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1993

DEPARTMENT OF DEFENSE PRIME CONTRACT OVER $25,000 FOR
RESEARCH AND DEVELOPMENT. FISCAL YEAR 1992.
(AB11 AMERICAN SCIENCE & ENGINEERING -AZ.S WIZDOM SYSTEMS.INC).

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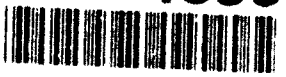
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PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AB11	[redacted]					
AB11	AMERICAN SCIENCE & ENGINEERING	Mass	ARMY	RDTE/Crime Prevention & Control-Basic Rese	$	1,687
AB12	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Crime Prevention & Control-Explor Dev		946
AB15	FUERZAS DE SEQURIDAD	PANAMA	ARMY	RDTE/Crime Prevention & Control-Op Systems		34
AB91	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/Other Community Svcs & Develop-Basic		64
AC11	ALLIED SIGNAL INC	Arizona	NAVY	RDTE/Aircraft-Basic Research		218
	ANAMET LABORATORIES INC	California	NAVY	RDTE/Aircraft-Basic Research		40
	BARFIELD INSTRUMENT CORP	Florida	USAF	RDTE/Aircraft-Basic Research		27
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/Aircraft-Basic Research		65
	BRUSH WELLMAN INC	Ohio	NAVY	RDTE/Aircraft-Basic Research		285
	CANADIAN COMMERCIAL CORPORATI	CANADA	USAF	RDTE/Aircraft-Basic Research		47
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/Aircraft-Basic Research		105
	CFD RESEARCH CORPORATION	Alabama	NAVY	RDTE/Aircraft-Basic Research		125
	DREW DAWN ENTERPRISES INC	Maryland	ARMY	RDTE/Aircraft-Basic Research		53
	ELECTROSPACE SYSTEMS INC	Texas	USAF	RDTE/Aircraft-Basic Research		393
	FOSTER-MILLER INC	Mass	USAF	RDTE/Aircraft-Basic Research		58
	GENERAL ELECTRIC COMPANY	Ohio	NAVY	RDTE/Aircraft-Basic Research		280
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/Aircraft-Basic Research		77
	GREYSTONE DEFENSE SYSTEMS DIVI	California	NAVY	RDTE/Aircraft-Basic Research		49
	L-CHEM INC	Ohio	NAVY	RDTE/Aircraft-Basic Research		47
	MISSISSIPPI STATE UNIVERSITY	Miss	USAF	RDTE/Aircraft-Basic Research		56
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Aircraft-Basic Research		92
	SIMULA INC	Arizona	ARMY	RDTE/Aircraft-Basic Research		104
	SYSTEMS CONTROL TECHNOLOGY	California	NAVY	RDTE/Aircraft-Basic Research		54
	TECHNOLOGY INTEGRATION INC	Mass	NAVY	RDTE/Aircraft-Basic Research		825
	UNITED TECHNOLOGIES CORP	Florida	NAVY	RDTE/Aircraft-Basic Research		46

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PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC11 (CONTINUED)					
	UNIVERSITY OF MINNESOTA	Minnesota	NAVY	RDTE/Aircraft-Basic Research	$ 69
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/Aircraft-Basic Research	7,532
	R&D TOTAL				10,645
AC12	A A I CORPORATION	Maryland	ARMY	RDTE/Aircraft-Exploratory Development	4,847
	ALLIED SIGNAL AEROSPACE CO	Arizona	NAVY	RDTE/Aircraft-Exploratory Development	89
	ANACAPA SCIENCES INC	California	ARMY	RDTE/Aircraft-Exploratory Development	121
	ARROW TECH ASSOCIATES	Vermont	USAF	RDTE/Aircraft-Exploratory Development	92
	AVCO CORPORATION	Conn	ARMY	RDTE/Aircraft-Exploratory Development	248
			NAVY	RDTE/Aircraft-Exploratory Development	170
		STATE TOTAL			418
		Mass	ARMY	RDTE/Aircraft-Exploratory Development	616-
	CONTRACTOR TOTAL				198-
	BDM INTERNATIONAL INC	Virginia	NAVY	RDTE/Aircraft-Exploratory Development	1,433
	BRITISH INTL HELICOPTER LIMITE	UNITED KIN	ARMY	RDTE/Aircraft-Exploratory Development	68
	BURNETTE ENGINEERING	Ohio	USAF	RDTE/Aircraft-Exploratory Development	100
	CERBEC INC	Conn	USAF	RDTE/Aircraft-Exploratory Development	1,499
	CONNELLY APPLIED RESEARCH	Penn	NAVY	RDTE/Aircraft-Exploratory Development	31
	CRITICAL SOFTWARE	California	NAVY	RDTE/Aircraft-Exploratory Development	83
	DOW CORNING CORPORATION	Michigan	NAVY	RDTE/Aircraft-Exploratory Development	42
	DREXEL UNIVERSITY	Penn	NAVY	RDTE/Aircraft-Exploratory Development	130
	DUAL & ASSOCIATES INC	Virginia	NAVY	RDTE/Aircraft-Exploratory Development	1,256
	DUCHOSSOIS ENTERPRISES INC	Tennessee	NAVY	RDTE/Aircraft-Exploratory Development	80
	FOSTER MILLER INC	Mass	NAVY	RDTE/Aircraft-Exploratory Development	133
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/Aircraft-Exploratory Development	123

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC12 (CONTINUED)					
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/Aircraft-Exploratory Development	$ 120
			NAVY	RDTE/Aircraft-Exploratory Development	500
		STATE TOTAL			620
		Ohio	NAVY	RDTE/Aircraft-Exploratory Development	720
	CONTRACTOR TOTAL				1,340
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/Aircraft-Exploratory Development	162
	H R TEXTRON INC	California	NAVY	RDTE/Aircraft-Exploratory Development	727
	HORIZONS TECHNOLOGY INC	Florida	USAF	RDTE/Aircraft-Exploratory Development	263
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Aircraft-Exploratory Development	401
	I I T RESEARCH INSTITUTE	Illinois	NAVY	RDTE/Aircraft-Exploratory Development	75
	LOCKHEED CORPORATION	Georgia	NAVY	RDTE/Aircraft-Exploratory Development	45-
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/Aircraft-Exploratory Development	140
	MARMON MOTOR COMPANY	Texas	ARMY	RDTE/Aircraft-Exploratory Development	308
	MARTIN MARIETTA CORPORATION	Florida	NAVY	RDTE/Aircraft-Exploratory Development	52
	MCDONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/Aircraft-Exploratory Development	248
	MCDONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/Aircraft-Exploratory Development	123
	NORTH CAROLINA A&T STATE UNIV	N Carolina	NAVY	RDTE/Aircraft-Exploratory Development	40
	PENNSYLVANIA STATE UNIVERSITY	Penn	NAVY	RDTE/Aircraft-Exploratory Development	30
	PRODUCTS RESEARCH & CHEM CORP	California	NAVY	RDTE/Aircraft-Exploratory Development	111
	RENSSELAER POLYTECHNIC INST	New York	USAF	RDTE/Aircraft-Exploratory Development	100
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Aircraft-Exploratory Development	30-
			USAF	RDTE/Aircraft-Exploratory Development	675
		STATE TOTAL			645
	ROLLS-ROYCE INC	Georgia	ARMY	RDTE/Aircraft-Exploratory Development	43
	SABBAGH ASSOCIATES INC	Indiana	NAVY	RDTE/Aircraft-Exploratory Development	51

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC12 (CONTINUED)					
	SCIDMORE & SHEAN	New York	ARMY	RDTE/Aircraft-Exploratory Development	$ 74
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/Aircraft-Exploratory Development	90
	STETSON ENGINEERS INC	Arizona	NAVY	RDTE/Aircraft-Exploratory Development	85
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/Aircraft-Exploratory Development	195
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/Aircraft-Exploratory Development	117
			NAVY	RDTE/Aircraft-Exploratory Development	964
		STATE TOTAL			1,081
		Florida	USAF	RDTE/Aircraft-Exploratory Development	325
	CONTRACTOR TOTAL				1,405
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Aircraft-Exploratory Development	200
	VITRO CORPORATION	Florida	NAVY	RDTE/Aircraft-Exploratory Development	50
	WESTINGHOUSE ELECTRIC CORP	Penn	NAVY	RDTE/Aircraft-Exploratory Development	79
R&D TOTAL					16,921
AC13	ADROIT SYSTEMS INC	Virginia	USAF	RDTE/Aircraft-Advanced Development	100
	ADVANCED RES & APPLICATIONS	California	USAF	RDTE/Aircraft-Advanced Development	100
	AEROJET	California	NAVY	RDTE/Aircraft-Advanced Development	140
	ALLIED SIGNAL AEROSPACE CO	Arizona	NAVY	RDTE/Aircraft-Advanced Development	145
			USAF	RDTE/Aircraft-Advanced Development	771
		STATE TOTAL			916
	ALLIED SIGNAL INC	Arizona	USAF	RDTE/Aircraft-Advanced Development	805
	AMERICAN OPTICAL CORPORATION	Mass	USAF	RDTE/Aircraft-Advanced Development	115
	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/Aircraft-Advanced Development	9,306
	AVCO CORPORATION	Conn	ARMY	RDTE/Aircraft-Advanced Development	4,275
			USAF	RDTE/Aircraft-Advanced Development	487-
		STATE TOTAL			3,788

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC13 (CONTINUED)					
	BOEING COMPANY THE	Washington	NAVY	RDTE/Aircraft-Advanced Development	$ 720
			USAF	RDTE/Aircraft-Advanced Development	875-
		STATE TOTAL			155-
	BOEING SKORSKY LHX PROGRAM OFF	Penn	ARMY	RDTE/Aircraft-Advanced Development	457,412
	CANADIAN COMMERCIAL CORPORATI	CANADA	USAF	RDTE/Aircraft-Advanced Development	390
	CENTURY COMPUTING INC	Maryland	USAF	RDTE/Aircraft-Advanced Development	40
	CHI SYSTEMS INC	Penn	NAVY	RDTE/Aircraft-Advanced Development	357
	CONRAD TECHNOLOGIES INC	Penn	NAVY	RDTE/Aircraft-Advanced Development	182
	CSA ENGINEERING INC	Ohio	USAF	RDTE/Aircraft-Advanced Development	91
	DOUGLAS AIRCRAFT COMPANY	California	USAF	RDTE/Aircraft-Advanced Development	50
	FOSTER MILLER INC	Mass	USAF	RDTE/Aircraft-Advanced Development	56
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Aircraft-Advanced Development	542
		Texas	USAF	RDTE/Aircraft-Advanced Development	7,184
	CONTRACTOR TOTAL				7,726
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/Aircraft-Advanced Development	4,361
			USAF	RDTE/Aircraft-Advanced Development	1,193
		STATE TOTAL			5,554
		Ohio	USAF	RDTE/Aircraft-Advanced Development	9,058
	CONTRACTOR TOTAL				14,612
	GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/Aircraft-Advanced Development	6,693
	GRUMMAN AEROSPACE CORPORATION	California	USAF	RDTE/Aircraft-Advanced Development	1,537
	GTE GOVERNMENT SYSTEMS CORP	California	USAF	RDTE/Aircraft-Advanced Development	200
	HONEYWELL INC	Minnesota	USAF	RDTE/Aircraft-Advanced Development	243
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/Aircraft-Advanced Development	105
	IMS INC	Conn	NAVY	RDTE/Aircraft-Advanced Development	28
	INTEGRATED SYSTEMS INC	Mass	NAVY	RDTE/Aircraft-Advanced Development	32

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC13 (CONTINUED)					
	ITT CORPORATION	New Jersey	USAF	RDTE/Aircraft-Advanced Development	$ 355
	LOCKHEED AERONAUTICAL SYS CO	Georgia	USAF	RDTE/Aircraft-Advanced Development	1,076
	LOCKHEED CORPORATION	Georgia	USAF	RDTE/Aircraft-Advanced Development	180
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Aircraft-Advanced Development	1,595
	LORAL CORP	Mass	USAF	RDTE/Aircraft-Advanced Development	63-
		Ohio	USAF	RDTE/Aircraft-Advanced Development	33
	CONTRACTOR TOTAL				30-
	MARTIN MARIETTA CORPORATION	Florida	USAF	RDTE/Aircraft-Advanced Development	360
	MCDONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/Aircraft-Advanced Development	100
			USAF	RDTE/Aircraft-Advanced Development	5,433
	STATE TOTAL				5,533
		Penn	NAVY	RDTE/Aircraft-Advanced Development	300
	CONTRACTOR TOTAL				5,833
	MCDONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/Aircraft-Advanced Development	73
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/Aircraft-Advanced Development	5
	NATIONAL PROGRAM OFFICE	California	USAF	RDTE/Aircraft-Advanced Development	142,804
	NORTHROP CORPORATION	California	USAF	RDTE/Aircraft-Advanced Development	640
	OPTICAL SHIELDS INC	California	USAF	RDTE/Aircraft-Advanced Development	100
	PIASECKI AIRCRAFT CORP	Penn	ARMY	RDTE/Aircraft-Advanced Development	2,233
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Aircraft-Advanced Development	5,296
		Oklahoma	USAF	RDTE/Aircraft-Advanced Development	179
	CONTRACTOR TOTAL				5,475
	ROHR INC	California	USAF	RDTE/Aircraft-Advanced Development	342
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/Aircraft-Advanced Development	238

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PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC13 (CONTINUED)					
		Ohio	USAF	RDTE/Aircraft-Advanced Development	$ 1,664
	CONTRACTOR TOTAL				1,902
	SIMULA INC	Arizona	NAVY	RDTE/Aircraft-Advanced Development	44
	TELEDYNE INDUSTRIES INC	Ohio	USAF	RDTE/Aircraft-Advanced Development	1,873
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/Aircraft-Advanced Development	75
	TRW INC	California	USAF	RDTE/Aircraft-Advanced Development	775
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/Aircraft-Advanced Development	729
		Florida	USAF	RDTE/Aircraft-Advanced Development	2,944
	CONTRACTOR TOTAL				3,673
	VEDA INTERNATIONAL INC	Ohio	USAF	RDTE/Aircraft-Advanced Development	620
R&D TOTAL					674,875
AC14	A A I CORPORATION	Maryland	USAF	RDTE/Aircraft-Engineering Development	2,120
	AEROJET	California	ARMY	RDTE/Aircraft-Engineering Development	424
	AEROSPACE SERVICE & CONTROL	California	NAVY	RDTE/Aircraft-Engineering Development	83
	ALLIED SIGNAL AEROSPACE CO	Arizona	USAF	RDTE/Aircraft-Engineering Development	3,132
		California	ARMY	RDTE/Aircraft-Engineering Development	182
	CONTRACTOR TOTAL				3,314
	ALLOY SURFACES CO	Delaware	USAF	RDTE/Aircraft-Engineering Development	219
	BELL BOEING JV	Penn	NAVY	RDTE/Aircraft-Engineering Development	944
		Texas	NAVY	RDTE/Aircraft-Engineering Development	43,713
		Virginia	NAVY	RDTE/Aircraft-Engineering Development	89
	CONTRACTOR TOTAL				44,747
	BELL HELICOPTER INTERNATIONAL	Texas	NAVY	RDTE/Aircraft-Engineering Development	223
	BELL HELICOPTER TEXTRON INC	Texas	NAVY	RDTE/Aircraft-Engineering Development	482

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC14 (CONTINUED)						
	BOEING AEROSPACE OPERATIONS	Washington	NAVY	RDTE/Aircraft-Engineering Development	$	2,151
	BOEING COMPANY THE	Alabama	USAF	RDTE/Aircraft-Engineering Development		6,352
		Washington	USAF	RDTE/Aircraft-Engineering Development		4,233-
	CONTRACTOR TOTAL					2,119
	BROWN DAYTON T INC	New York	NAVY	RDTE/Aircraft-Engineering Development		299
	CACI INTERNATIONAL INC	Virginia	NAVY	RDTE/Aircraft-Engineering Development		247
	CAS INC	Alabama	ARMY	RDTE/Aircraft-Engineering Development		596
	CHADWICK HELMUTH CO INC	California	ARMY	RDTE/Aircraft-Engineering Development		37-
	CHRYSLER TECH ARBR SYSTEMS	Texas	USAF	RDTE/Aircraft-Engineering Development		1,315
	CLARK ATLANTA UNIVERSITY INC	Georgia	USAF	RDTE/Aircraft-Engineering Development		158
	CONAX CORPORATION	Florida	USAF	RDTE/Aircraft-Engineering Development		996
	CONRAD TECHNOLOGIES INC	Penn	NAVY	RDTE/Aircraft-Engineering Development		67
	CORNING INC	New York	NAVY	RDTE/Aircraft-Engineering Development		110
	CTA INCORPORATED	California	NAVY	RDTE/Aircraft-Engineering Development		20,480
	EAST WEST INDUSTRIES INC	New York	NAVY	RDTE/Aircraft-Engineering Development		80
	ECC INTERNATIONAL CORP	Florida	USAF	RDTE/Aircraft-Engineering Development		9,750
		Penn	USAF	RDTE/Aircraft-Engineering Development		610
	CONTRACTOR TOTAL					10,360
	EER SYSTEMS CORPORATION	W Virginia	NAVY	RDTE/Aircraft-Engineering Development		1,200
	ELECTROSPACE SYSTEMS INC	Texas	USAF	RDTE/Aircraft-Engineering Development		50
	FAIRCHILD INDUSTRIES INC	Maryland	USAF	RDTE/Aircraft-Engineering Development		3,403
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Aircraft-Engineering Development		360
		Texas	NAVY	RDTE/Aircraft-Engineering Development		20,000
			USAF	RDTE/Aircraft-Engineering Development		4,215

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC14 (CONTINUED)					
		STATE TOTAL			$ 24,215
	CONTRACTOR TOTAL				24,575
	GENERAL ELECTRIC COMPANY	Mass	NAVY	RDTE/Aircraft-Engineering Development	145,326
		New Jersey	NAVY	RDTE/Aircraft-Engineering Development	200
		Ohio	USAF	RDTE/Aircraft-Engineering Development	60,646
	CONTRACTOR TOTAL				206,172
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/Aircraft-Engineering Development	328
			USAF	RDTE/Aircraft-Engineering Development	68
		STATE TOTAL			396
	GENERAL PHYSICS CORPORATION	Florida	NAVY	RDTE/Aircraft-Engineering Development	60
	GRUMMAN AEROSPACE CORPORATION	Florida	ARMY	RDTE/Aircraft-Engineering Development	95-
		New York	NAVY	RDTE/Aircraft-Engineering Development	91,995
	CONTRACTOR TOTAL				91,900
	GRUMMAN CORPORATION	New York	NAVY	RDTE/Aircraft-Engineering Development	1,697
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Aircraft-Engineering Development	900
			NAVY	RDTE/Aircraft-Engineering Development	12,090
		STATE TOTAL			12,990
	HUGHES TRAINING SYS INC	Texas	USAF	RDTE/Aircraft-Engineering Development	3,541
	INTERMETRICS INC	Penn	NAVY	RDTE/Aircraft-Engineering Development	100
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/Aircraft-Engineering Development	16,596
	ITT CORPORATION	New Jersey	USAF	RDTE/Aircraft-Engineering Development	215
	J W K INTERNATIONAL CORP	Florida	USAF	RDTE/Aircraft-Engineering Development	47
	LIGHT HELICOPTER TURBINE ENG	Missouri	ARMY	RDTE/Aircraft-Engineering Development	3,840-
	LISI ENGR & DEV CO	Arizona	NAVY	RDTE/Aircraft-Engineering Development	39
	LOCKHEED AERONAUTICAL SYS CO	Georgia	NAVY	RDTE/Aircraft-Engineering Development	20,000

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC14 (CONTINUED)					
			USAF	RDTE/Aircraft-Engineering Development	$ 1,245,222
		STATE TOTAL			1,265,222
	LOCKHEED AIR TERMINAL INC	California	USAF	RDTE/Aircraft-Engineering Development	300
	LOCKHEED SANDERS INC	N.H.	USAF	RDTE/Aircraft-Engineering Development	781
	LOGICON INC	California	USAF	RDTE/Aircraft-Engineering Development	301
	LORAL AEROSPACE CORP	California	NAVY	RDTE/Aircraft-Engineering Development	424
	LORAL CORP	California	USAF	RDTE/Aircraft-Engineering Development	1,126
	MARQUARDT COMPANY THE	California	NAVY	RDTE/Aircraft-Engineering Development	262
	MATERIALS ANALYSIS INC	Texas	USAF	RDTE/Aircraft-Engineering Development	48
	MCDONNELL DOUGLAS CORPORATION	California	USAF	RDTE/Aircraft-Engineering Development	367,692
		Kansas	USAF	RDTE/Aircraft-Engineering Development	256
		Missouri	NAVY	RDTE/Aircraft-Engineering Development	280,093
			USAF	RDTE/Aircraft-Engineering Development	300
		STATE TOTAL			280,393
	CONTRACTOR TOTAL				648,341
	MCDONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/Aircraft-Engineering Development	67,751
		Missouri	ARMY	RDTE/Aircraft-Engineering Development	575
	CONTRACTOR TOTAL				68,326
	MCDONNELL DOUGLAS TRNING SYS	Oklahoma	USAF	RDTE/Aircraft-Engineering Development	143
	MERCER UNIVERSITY	Georgia	USAF	RDTE/Aircraft-Engineering Development	41
	NATIONAL PATENT DEVLPMNT CORP	Florida	NAVY	RDTE/Aircraft-Engineering Development	1,765
	NORTHROP CORPORATION	California	USAF	RDTE/Aircraft-Engineering Development	300
	OR CONCEPTS APPLIED	California	USAF	RDTE/Aircraft-Engineering Development	304
	PALL CORPORATION	Florida	ARMY	RDTE/Aircraft-Engineering Development	64
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Aircraft-Engineering Development	19,996

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC14 (CONTINUED)					
			USAF	RDTE/Aircraft-Engineering Development	$ 4,006
		STATE TOTAL			24,002
		Georgia	ARMY	RDTE/Aircraft-Engineering Development	305
		Iowa	ARMY	RDTE/Aircraft-Engineering Development	5,006
	CONTRACTOR TOTAL				29,312
	S T RESEARCH CORPORATION	Virginia	NAVY	RDTE/Aircraft-Engineering Development	50
	SCIENTIFIC MGT ASSOCIATES	Maryland	NAVY	RDTE/Aircraft-Engineering Development	531
	SUPPORT SYSTEMS ASSOCIATES	New York	USAF	RDTE/Aircraft-Engineering Development	?,044
	TECHNOLOGY INTGRTN DEV GROUP	Mass	NAVY	RDTE/Aircraft-Engineering Development	247
	TELEDYNE INDUSTRIES INC	California	USAF	RDTE/Aircraft-Engineering Development	85
		Ohio	USAF	RDTE/Aircraft-Engineering Development	1,873
	CONTRACTOR TOTAL				1,963
	THIOKOL CORPORATION	Utah	USAF	RDTE/Aircraft-Engineering Development	63
	TRACOR APPLIED SCIENCES INC	California	USAF	RDTE/Aircraft-Engineering Development	367
	TRW INC	California	USAF	RDTE/Aircraft-Engineering Development	57-
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/Aircraft-Engineering Development	7,980
		Florida	NAVY	RDTE/Aircraft-Engineering Development	3,903
			USAF	RDTE/Aircraft-Engineering Development	353,945
		STATE TOTAL			357,849
	CONTRACTOR TOTAL				365,829
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Aircraft-Engineering Development	1,113
	VEDA INCORPORATED	Penn	NAVY	RDTE/Aircraft-Engineering Development	2,958
	VEDA INTERNATIONAL INC	Ohio	USAF	RDTE/Aircraft-Ergineering Development	150
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/Aircraft-Engineering Development	53
R&D TOTAL					2,842,064

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC15	AEL INDUSTRIES INC	Ohio	USAF	RDTE/Aircraft-Operational Systems Developm	$	1,064
	ALLIED SIGNAL AEROSPACE CO	Indiana	USAF	RDTE/Aircraft-Operational Systems Developm		459
	BOEING SIKORSKY LHX JOINT VEN	Conn	ARMY	RDTE/Aircraft-Operational Systems Developm		1,115
	CHRYSLER TECH ARBR SYSTEMS	Texas	USAF	RDTE/Aircraft-Operational Systems Developm		931
	EER SYSTEMS CORPORATION	Virginia	NAVY	RDTE/Aircraft-Operational Systems Developm		7,026
	ELECTRO SOFT INC	Penn	NAVY	RDTE/Aircraft-Operational Systems Developm		39
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/Aircraft-Operational Systems Developm		92,958
	GENERAL ELECTRIC COMPANY	Kansas	ARMY	RDTE/Aircraft-Operational Systems Developm		1,821-
		Ohio	USAF	RDTE/Aircraft-Operational Systems Developm		52
	CONTRACTOR TOTAL					1,769-
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/Aircraft-Operational Systems Developm		35,011
	ITT CORPORATION	New Jersey	USAF	RDTE/Aircraft-Operational Systems Developm		702
	MCDONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/Aircraft-Operational Systems Developm		3 500
			USAF	RDTE/Aircraft-Operational Systems Developm		16,914
		STATE TOTAL				20,414
	MCDONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/Aircraft-Operational Systems Developm		285
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/Aircraft-Operational Systems Developm		100
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Aircraft-Operational Systems Developm		2,572
	SARGENT INDUSTRIES INC	California	NAVY	RDTE/Aircraft-Operational Systems Developm		75
	UNITED TECHNOLOGIES CORP	Florida	NAVY	RDTE/Aircraft-Operational Systems Developm		5,207
			USAF	RDTE/Aircraft-Operational Systems Developm		156-
		STATE TOTAL				5,051
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Aircraft-Operational Systems Developm		110
	UNIVERSITY OF IOWA THE	Iowa	USAF	RDTE/Aircraft-Operational Systems Developm		64
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/Aircraft-Operational Systems Developm		1,000
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/Aircraft-Operational Systems Developm		1,560
R&D TOTAL						168,468

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC16	ADVANCED TECHNOLOGY & RESEARCH	Maryland	NAVY	RDTE/Aircraft-Management & Support	$	235
	ADVANCED TECHNOLOGY MATERIALS	Conn	USAF	RDTE/Aircraft-Management & Support		250
	ALCOA COMPOSITES INC	Utah	ARMY	RDTE/Aircraft-Management & Support		32
	ANALYTIC ENGINEERING CO	Nebraska	USAF	RDTE/Aircraft-Management & Support		258
	ANAMET LABORATORIES INC	California	ARMY	RDTE/Aircraft-Management & Support		50
	APTEK INC	Colorado	NAVY	RDTE/Aircraft-Management & Support		47
	ARINC RESEARCH CORPORATION	Maryland	USAF	RDTE/Aircraft-Management & Support		1,029
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	NAVY	RDTE/Aircraft-Management & Support		51
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/Aircraft-Management & Support		67-
	BERKELEY APPLIED SCI	California	NAVY	RDTE/Aircraft-Management & Support		77
	BIHRLE APPLIED RESEARCH INC	New York	USAF	RDTE/Aircraft-Management & Support		49
	BIO TECHNICAL RESOURCES INC	Wisconsin	USAF	RDTE/Aircraft-Management & Support		250
	CAMBRIDGE SCIENTIFIC INC	Mass	USAF	RDTE/Aircraft-Management & Support		50
	CHRYSLER TECH ARBR SYSTEMS	Texas	USAF	RDTE/Aircraft-Management & Support		784
	DREXEL UNIVERSITY	Penn	NAVY	RDTE/Aircraft-Management & Support		50
	EIDETICS INTERNATIONAL INC	California	NAVY	RDTE/Aircraft-Management & Support		223
	FIBER & SENSOR TECHNOLOGIES	Virginia	USAF	RDTE/Aircraft-Management & Support		50
	FLOW RESEARCH INC	Washington	USAF	RDTE/Aircraft-Management & Support		54
	FLUORO CHEM CORP	California	USAF	RDTE/Aircraft-Management & Support		281
	FOSTER MILLER INC	Mass	NAVY	RDTE/Aircraft-Management & Support		57
			USAF	RDTE/Aircraft-Management & Support		559
		STATE TOTAL				616
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/Aircraft-Management & Support		4,446
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/Aircraft-Management & Support		30
	HAMILTON & ASSOCIATES INC	Nevada	NAVY	RDTE/Aircraft-Management & Support		46
	IBIS TECHNOLOGY CORP	Mass	USAF	RDTE/Aircraft-Management & Support		60

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AC16 (CONTINUED)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
	INTEGRATED SENSORS INC	Alabama	ARMY	RDTE/Aircraft-Management & Support	$	250
	J W K INTERNATIONAL CORP	California	NAVY	RDTE/Aircraft-Management & Support		47
		Virginia	USAF	RDTE/Aircraft-Management & Support		250
	CONTRACTOR TOTAL					297
	KDC TECHNOLOGY CORP	California	USAF	RDTE/Aircraft-Management & Support		50
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/Aircraft-Management & Support		48
	KOPIN CORPORATION	Mass	USAF	RDTE/Aircraft-Management & Support		50
	LEONARD ASSOC	Penn	NAVY	RDTE/Aircraft-Management & Support		49
	LIGHT HELICOPTER TURBINE ENG	Missouri	ARMY	RDTE/Aircraft-Management & Support		29,203
	LITTON SYSTEMS INC	New York	ARMY	RDTE/Aircraft-Management & Support		710
	LOCKHEED AERONAUTICAL SYS CO	Georgia	USAF	RDTE/Aircraft-Management & Support		2,000
	LOCKHEED AIRCRAFT SERVICE CO	California	USAF	RDTE/Aircraft-Management & Support		492
	M T L SYSTEMS INC	Ohio	USAF	RDTE/Aircraft-Management & Support		50
	MANTECH INTERNATIONAL CORP	California	USAF	RDTE/Aircraft-Management & Support		1,236
	MATERIALS ANALYSIS INC	Texas	NAVY	RDTE/Aircraft-Management & Support		49
	MCDONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/Aircraft-Management & Support		400
	MCDONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/Aircraft-Management & Support		395
	MCDONNELL DOUGLAS SPACE SYS CO	California	ARMY	RDTE/Aircraft-Management & Support		971
	MCDONNELL DOUGLAS TRNING SYS	Oklahoma	USAF	RDTE/Aircraft-Management & Support		71
	METROLASER	California	USAF	RDTE/Aircraft-Management & Support		261
	MSNW INC	California	USAF	RDTE/Aircraft-Management & Support		60
	NEW HAMPSHIRE MATERIALS LAB	N.H.	USAF	RDTE/Aircraft-Management & Support		199
	ORINCON CORPORATION	California	NAVY	RDTE/Aircraft-Management & Support		48
	PDI CORP	Maryland	NAVY	RDTE/Aircraft-Management & Support		57

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC16 (CONTINUED)					
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/Aircraft-Management & Support	$ 300
	PIASECKI AIRCRAFT CORP	Penn	NAVY	RDTE/Aircraft-Management & Support	29
	PRAXIS TECHNOLOGY CORPORATION	New Jersey	NAVY	RDTE/Aircraft-Management & Support	71
	SATCON TECHNOLOGY CORPORATION	Mass	NAVY	RDTE/Aircraft-Management & Support	48
	SIMULA INC	Arizona	ARMY	RDTE/Aircraft-Management & Support	478
	SUPERIOR VACUUM	Minnesota	USAF	RDTE/Aircraft-Management & Support	50
	SUPPORT SERVICES INC	Washington	USAF	RDTE/Aircraft-Management & Support	30-
	SVERDRUP TECHNOLOGY INC	Tennessee	NAVY	RDTE/Aircraft-Management & Support	27
	SYSTEM EXPLORATION INTL	Ohio	USAF	RDTE/Aircraft-Management & Support	50
	TCAM TECHNOLOGY INC	Ohio	USAF	RDTE/Aircraft-Management & Support	250
	TDA RESEARCH INC	Colorado	USAF	RDTE/Aircraft-Management & Support	53
	TECHNICAL RESEARCH ASSOCIATES	Utah	USAF	RDTE/Aircraft-Management & Support	55
	TECHNLOGY ASSSSMENT TRANSF INC	Maryland	USAF	RDTE/Aircraft-Management & Support	49
	TECHNOLOGY INTGRTN DEV GROUP	Mass	ARMY	RDTE/Aircraft-Management & Support	146
	TESCO INC	Tennessee	USAF	RDTE/Aircraft-Management & Support	293
	TRANSMET CORP	Ohio	USAF	RDTE/Aircraft-Management & Support	50
	ULTRAMET	California	USAF	RDTE/Aircraft-Management & Support	196
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/Aircraft-Management & Support	727
	VIGYAN INC	Virginia	USAF	RDTE/Aircraft-Management & Support	130
	WAMAX, INC	Washington	USAF	RDTE/Aircraft-Management & Support	50
R&D TOTAL					48,918
AC21	A A I CORPORATION	Maryland	ARMY	RDTE/Missile and Space Systems-Basic Resea	8,400
	A P A OPTICS INC	Minnesota	USAF	RDTE/Missile and Space Systems-Basic Resea	50
	AEGIS RESEARCH	Alabama	USAF	RDTE/Missile and Space Systems-Basic Resea	51

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC21 (CONTINUED)					
	AEROJET	California	USAF	RDTE/Missile and Space Systems-Basic Resea	$ 39
	AEROTECH ENGR & RES	Kansas	USAF	RDTE/Missile and Space Systems-Basic Resea	50
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Missile and Space Systems-Basic Resea	202
	AMERICAN GNC CORPORATION	California	USAF	RDTE/Missile and Space Systems-Basic Resea	50
	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/Missile and Space Systems-Basic Resea	209
	AVCO CORPORATION	Mass	ARMY	RDTE/Missile and Space Systems-Basic Resea	7,248
	BELL HELICOPTER TEXTRON INC	Texas	NAVY	RDTE/Missile and Space Systems-Basic Resea	5,380
	BRITISH AEROSPACE INC	UNITED KIN	ARMY	RDTE/Missile and Space Systems-Basic Resea	1,666
	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/Missile and Space Systems-Basic Resea	188
	CASE WESTERN RESERVE UNIV	Ohio	USAF	RDTE/Missile and Space Systems-Basic Resea	213
	CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/Missile and Space Systems-Basic Resea	50
	COLLEGE OF WILLIAM & MARY	Virginia	USAF	RDTE/Missile and Space Systems-Basic Resea	50
	COMPUTING DEVICES CANADA LTD	CANADA	NAVY	RDTE/Missile and Space Systems-Basic Resea	337
	COUSINO B L INC	Ohio	USAF	RDTE/Missile and Space Systems-Basic Resea	266
	DAEDALUS RESEARCH INC	Arizona	NAVY	RDTE/Missile and Space Systems-Basic Resea	75-
	DESIGN ANALYSIS ASSOCIATES	Illinois	NAVY	RDTE/Missile and Space Systems-Basic Resea	50
	EAGLE PICHER INDUSTRIES INC	Missouri	USAF	RDTE/Missile and Space Systems-Basic Resea	177
	FERRANTI INTERNATIONAL	UNITED KIN	ARMY	RDTE/Missile and Space Systems-Basic Resea	3,588
	FREQUENCY ELECTRONICS INC	New York	USAF	RDTE/Missile and Space Systems-Basic Resea	747
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/Missile and Space Systems-Basic Resea	222
	GENERAL PNEUMATICS CORPORATION	Arizona	USAF	RDTE/Missile and Space Systems-Basic Resea	125
	HARRIS CORPORATION	Florida	ARMY	RDTE/Missile and Space Systems-Basic Resea	242
	HERCULES INCORPORATED	Florida	ARMY	RDTE/Missile and Space Systems-Basic Resea	18,750
	HUGHES AIRCRAFT COMPANY	Alabama	NAVY	RDTE/Missile and Space Systems-Basic Resea	250-

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC21 (CONTINUED)						
		California	ARMY	RDTE/Missile and Space Systems-Basic Resea	$	1,666
			NAVY	RDTE/Missile and Space Systems-Basic Resea		326
			USAF	RDTE/Missile and Space Systems-Basic Resea		100
		STATE TOTAL				2,092
	CONTRACTOR TOTAL					1,843
	INFORMATION NETWORK SYSTEMS	California	NAVY	RDTE/Missile and Space Systems-Basic Resea		1,184
	INNOVA INC	California	USAF	RDTE/Missile and Space Systems-Basic Resea		59
	K V H INDUSTRIES INC	Rhode Isld	NAVY	RDTE/Missile and Space Systems-Basic Resea		61
	KAMAN SCIENCES CORPORATION	Colorado	ARMY	RDTE/Missile and Space Systems-Basic Resea		2,143
	LINDSEY ASSOC	Illinois	NAVY	RDTE/Missile and Space Systems-Basic Resea		50
	LOCKHEED MISSILES & SPACE CO	Alabama	ARMY	RDTE/Missile and Space Systems-Basic Resea		1,666
	LOCKHEED SPACE OPERATIONS CO	California	USAF	RDTE/Missile and Space Systems-Basic Resea		866
	LORAL VOUGHT SYSTEMS	Texas	ARMY	RDTE/Missile and Space Systems-Basic Resea		1,406
	MISSISSIPPI STATE UNIVERSITY	Miss	USAF	RDTE/Missile and Space Systems-Basic Resea		36
	RAYTHEON COMPANY	Mass	ARMY	RDTE/Missile and Space Systems-Basic Resea		1,666
	RAYTHEON MDTRRNEAN SYSTEMS CO	Mass	NAVY	RDTE/Missile and Space Systems-Basic Resea		800
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Missile and Space Systems-Basic Resea		66
	S T RESEARCH CORPORATION	Virginia	NAVY	RDTE/Missile and Space Systems-Basic Resea		235
	SCIENCE & TECHNOLOGY ASSOC	Virginia	ARMY	RDTE/Missile and Space Systems-Basic Resea		37
	SCIENCE APPLICATIONS INTL CORP	Virginia	NAVY	RDTE/Missile and Space Systems-Basic Resea		1,540
	SENSCI CORP	Virginia	ARMY	RDTE/Missile and Space Systems-Basic Resea		1,462
	SIERRA NEVADA CORPORATION	Nevada	NAVY	RDTE/Missile and Space Systems-Basic Resea		526
	SPARTA INC	California	USAF	RDTE/Missile and Space Systems-Basic Resea		1,561
	SYNETICS CORPORATION	Mass	NAVY	RDTE/Missile and Space Systems-Basic Resea		1,945
	TECH REPS INCORPORATED	New Mexico	USAF	RDTE/Missile and Space Systems-Basic Resea		150

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC21 (CONTINUED)						
	TELEDYNE INDUSTRIES INC	California	NAVY	RDTE/Missile and Space Systems-Basic Resea	$	23,931
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Missile and Space Systems-Basic Resea		288
	THIOKOL CORPORATION	Utah	USAF	RDTE/Missile and Space Systems-Basic Resea		887
	TORRANCE ADVANCED METALS CORP	California	ARMY	RDTE/Missile and Space Systems-Basic Resea		1,666
	UNIVERSITY OF DAYTON	California	USAF	RDTE/Missile and Space Systems-Basic Resea		3,764
	UNIVERSITY OF NORTH TEXAS	Texas	USAF	RDTE/Missile and Space Systems-Basic Resea		62
	UNIVERSITY OF SC AT COLUMBIA	S Carolina	USAF	RDTE/Missile and Space Systems-Basic Resea		33
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/Missile and Space Systems-Basic Resea		159
	UNIVERSITY OF TEXAS	Texas	ARMY	RDTE/Missile and Space Systems-Basic Resea		169
	UNIVERSITY OF TEXAS AT AUSTIN	Texas	ARMY	RDTE/Missile and Space Systems-Basic Resea		1,050
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/Missile and Space Systems-Basic Resea		3,600
	VA POLYTECH INST & ST	Virginia	USAF	RDTE/Missile and Space Systems-Basic Resea		60
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	USAF	RDTE/Missile and Space Systems-Basic Resea		40
	VOUGHT AIRCRAFT	Texas	ARMY	RDTE/Missile and Space Systems-Basic Resea		1,666
R&D TOTAL						102,953
AC22	AEROJET	California	USAF	RDTE/Missile and Space Systems-Exploratory		184
	ALABAMA CRYOGENIC ENGINEERING	Alabama	NAVY	RDTE/Missile and Space Systems-Exploratory		100
	ALLIANT TECHSYSTEMS INC	Colorado	USAF	RDTE/Missile and Space Systems-Exploratory		204
		Minnesota	ARMY	RDTE/Missile and Space Systems-Exploratory		297
	CONTRACTOR TOTAL					501
	APA OPTICS INC	Minnesota	USAF	RDTE/Missile and Space Systems-Exploratory		500
	APD CRYOGENICS INC	Penn	NAVY	RDTE/Missile and Space Systems-Exploratory		190
	ATLANTIC RESEARCH CORPORATION	New York	NAVY	RDTE/Missile and Space Systems-Exploratory		50
	BP AMERICA INC	California	NAVY	RDTE/Missile and Space Systems-Exploratory		140

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC22 (CONTINUED)						
	BUTLER UNIVERSITY	Indiana	USAF	RDTE/Missile and Space Systems-Exploratory	$	63
	C & M TECHNOLOGY INC	Conn	NAVY	RDTE/Missile and Space Systems-Exploratory		64
	COMMUNICATIONS SATELLITE CORP	Maryland	ARMY	RDTE/Missile and Space Systems-Exploratory		4,367
	COMPUTER AND CONCEPT ASSOCIATE	California	NAVY	RDTE/Missile and Space Systems-Exploratory		467
	COMPUTER SCIENCES CORPORATION	Maryland	USAF	RDTE/Missile and Space Systems-Exploratory		1,562
	DEFENSE RESEARCH TECHNOLOGIES	Maryland	ARMY	RDTE/Missile and Space Systems-Exploratory		112
	DYNAMIC COMPUTER ARCHITECTURE	Florida	ARMY	RDTE/Missile and Space Systems-Exploratory		28-
	EASTERN NEW MEXICO UNIVERSITY	New Mexico	USAF	RDTE/Missile and Space Systems-Exploratory		85
	EG&G WASHINGTON ANALYTICAL SVC	Virginia	NAVY	RDTE/Missile and Space Systems-Exploratory		4,298
	ENERGY SCIENCE LABORATORIES	California	USAF	RDTE/Missile and Space Systems-Exploratory		65
	ENVIRNMENTAL RES INST OF MICH	Michigan	USAF	RDTE/Missile and Space Systems-Exploratory		209
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Missile and Space Systems-Exploratory		5,439
		Michigan	ARMY	RDTE/Missile and Space Systems-Exploratory		198
	CONTRACTOR TOTAL					5,637
	GENERAL ELECTRIC COMPANY	Penn	ARMY	RDTE/Missile and Space Systems-Exploratory		5,818
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/Missile and Space Systems-Exploratory		550
	HARRIS CORPORATION	Florida	USAF	RDTE/Missile and Space Systems-Exploratory		303
	HARVARD UNIVERSITY	Mass	USAF	RDTE/Missile and Space Systems-Exploratory		162
	HERCULES INCORPORATED	Maryland	USAF	RDTE/Missile and Space Systems-Exploratory		138
		Utah	USAF	RDTE/Missile and Space Systems-Exploratory		175
	CONTRACTOR TOTAL					313
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Missile and Space Systems-Exploratory		36,591
			NAVY	RDTE/Missile and Space Systems-Exploratory		62
	STATE TOTAL					36,653

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC22 (CONTINUED)						
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/Missile and Space Systems-Exploratory	$	680
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/Missile and Space Systems-Exploratory		28
	L B & M ASSOCIATES INC	Oklahoma	ARMY	RDTE/Missile and Space Systems-Exploratory		380
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Missile and Space Systems-Exploratory		356
	LORAL AEROSPACE CORP	California	NAVY	RDTE/Missile and Space Systems-Exploratory		344
			USAF	RDTE/Missile and Space Systems-Exploratory		1,693
		STATE TOTAL				2,037
	LORAL CORP	California	ARMY	RDTE/Missile and Space Systems-Exploratory		1,164
	LORAL VOUGHT SYSTEMS	New York	USAF	RDTE/Missile and Space Systems-Exploratory		225
	M M R TECHNOLOGIES INC	California	NAVY	RDTE/Missile and Space Systems-Exploratory		217
	M R J INC	Virginia	USAF	RDTE/Missile and Space Systems-Exploratory		59
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Missile and Space Systems-Exploratory		425
	MASSACHUSETTS INST OF TCHNOLOG	Mass	NAVY	RDTE/Missile and Space Systems-Exploratory		125
	MCDONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/Missile and Space Systems-Exploratory		140
			USAF	RDTE/Missile and Space Systems-Exploratory		75
		STATE TOTAL				215
	MCDONNELL DOUGLAS SPACE SYS CO	California	USAF	RDTE/Missile and Space Systems-Exploratory		44
	MCMASTER UNIVERSITY	CANADA	USAF	RDTE/Missile and Space Systems-Exploratory		71
	METROLASER	California	USAF	RDTE/Missile and Space Systems-Exploratory		1,249
	NATIONAL PATENT DEVLPMNT CORP	Florida	USAF	RDTE/Missile and Space Systems-Exploratory		189
	NEW MEXICO STATE OF	New Mexico	USAF	RDTE/Missile and Space Systems-Exploratory		148
	NORTHWESTERN UNIVERSITY	Illinois	USAF	RDTE/Missile and Space Systems-Exploratory		130
	PHYSICAL OPTICS CORPORATION	California	USAF	RDTE/Missile and Space Systems-Exploratory		50
	PRINCETON UNIVERSITY	New Jersey	USAF	RDTE/Missile and Space Systems-Exploratory		122
	RAYTHEON COMPANY	Mass	ARMY	RDTE/Missile and Space Systems-Exploratory		1,753
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Missile and Space Systems-Exploratory		15,705

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC22 (CONTINUED)					
		Georgia	ARMY	RDTE/Missile and Space Systems-Exploratory	$ 195
	CONTRACTOR TOTAL				15,900
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Missile and Space Systems-Exploratory	368
	SCIENTIFIC RESEARCH ASSOC INC	Conn	USAF	RDTE/Missile and Space Systems-Exploratory	115
	SPIRATEX COMPANY INC	Michigan	NAVY	RDTE/Missile and Space Systems-Exploratory	45
	SRI INTERNATIONAL	California	USAF	RDTE/Missile and Space Systems-Exploratory	99
	THIOKOL CORPORATION	Utah	USAF	RDTE/Missile and Space Systems-Exploratory	200
	TRW INC	California	USAF	RDTE/Missile and Space Systems-Exploratory	382
	ULTRAMET	California	USAF	RDTE/Missile and Space Systems-Exploratory	63
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/Missile and Space Systems-Exploratory	119
		Florida	USAF	RDTE/Missile and Space Systems-Exploratory	252
	CONTRACTOR TOTAL				371
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/Missile and Space Systems-Exploratory	335
	UNIVERSITY OF HAWAII	Hawaii	USAF	RDTE/Missile and Space Systems-Exploratory	87
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Missile and Space Systems-Exploratory	37
	UNIVERSITY OF NORTH TEXAS	Texas	USAF	RDTE/Missile and Space Systems-Exploratory	158
	UNIVERSITY OF PENNSYLVANIA	Penn	USAF	RDTE/Missile and Space Systems-Exploratory	130
	UNIVERSITY OF UTAH	Utah	USAF	RDTE/Missile and Space Systems-Exploratory	72
	VILLANOVA UNIVERSITY	Penn	NAVY	RDTE/Missile and Space Systems-Exploratory	30
	WILLIAMS INTERNATIONAL CORP	Michigan	NAVY	RDTE/Missile and Space Systems-Exploratory	133
	R&D TOTAL				90,557
AC23	A T S S INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De	582
	ACT RESEARCH CORPORATION	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	48
	ACUREX CORPORATION	California	USAF	RDTE/Missile and Space Systems-Advanced De	1,604

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC23 (CONTINUED)						
	ADVANCED DEVICE TECHNOLOGY INC	N.H.	USAF	RDTE/Missile and Space Systems-Advanced De	$	300
	ADVANCED FUEL RESEARCH INC	Conn	ARMY	RDTE/Missile and Space Systems-Advanced De		192
	ADVANCED PHOTONIX INCORPORATED	California	ARMY	RDTE/Missile and Space Systems-Advanced De		51
	ADVANCED RES & APPLICATIONS	California	USAF	RDTE/Missile and Space Systems-Advanced De		286
	ADVANCED SCIENCES INC	New Mexico	ARMY	RDTE/Missile and Space Systems-Advanced De		3,827
			USAF	RDTE/Missile and Space Systems-Advanced De		146
		STATE TOTAL				3,973
	ADVANCED SCIENTIFIC CONCEPTS	California	ARMY	RDTE/Missile and Space Systems-Advanced De		245
	ADVANCED TECHNOLOGY MATERIALS	Conn	ARMY	RDTE/Missile and Space Systems-Advanced De		255
	AEROJET	California	ARMY	RDTE/Missile and Space Systems-Advanced De		13,889
			USAF	RDTE/Missile and Space Systems-Advanced De		4,538
		STATE TOTAL				18,426
	AEROMET INC	Oklahoma	ARMY	RDTE/Missile and Space Systems-Advanced De		8,703
	ALABAMA A & M UNIVERSITY	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		80
	ALLIANT TECHSYSTEMS INC	Penn	ARMY	RDTE/Missile and Space Systems-Advanced De		350
	ALLIED SIGNAL AEROSPACE CO	California	USAF	RDTE/Missile and Space Systems-Advanced De		91
	ALPHATECH INC	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De		138
	ALUMINUM COMPANY OF AMERICA	Penn	USAF	RDTE/Missile and Space Systems-Advanced De		500
	AMCOMP CORPORATION	California	USAF	RDTE/Missile and Space Systems-Advanced De		1,155
	AMERICAN RESEARCH CORP	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De		249
	AMERICAN TELEPHONE & TELG CO	N Carolina	ARMY	RDTE/Missile and Space Systems-Advanced De		412
	ANALOG DEVICES INC	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De		1,070
	ANRO ENGINEERING INC	Florida	ARMY	RDTE/Missile and Space Systems-Advanced De		55
	APPLIED RESEARCH & ENGRG	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De		60
	APPLIED RESEARCH ASSOC INC	New Mexico	ARMY	RDTE/Missile and Space Systems-Advanced De		435

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	APPLIED RESEARCH INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	$ 254
	APPLIED SCIENCES INC	Ohio	USAF	RDTE/Missile and Space Systems-Advanced De	53
	APTEK INC	Colorado	USAF	RDTE/Missile and Space Systems-Advanced De	353
	ASTROPOWER INC	Delaware	ARMY	RDTE/Missile and Space Systems-Advanced De	741
	ATHENA GROUP INC	Florida	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	ATLANTIC RESEARCH CORPORATION	California	USAF	RDTE/Missile and Space Systems-Advanced De	212
		Virginia	NAVY	RDTE/Missile and Space Systems-Advanced De	74
	CONTRACTOR TOTAL				286
	AURA SYSTEMS	California	USAF	RDTE/Missile and Space Systems-Advanced De	200
	AURORA ASSOCIATES	California	ARMY	RDTE/Missile and Space Systems-Advanced De	125
	AUTOMATED SCIENCES GROUP INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	10,988
	AUTONOMOUS TECHNOLOGIES CORP	Florida	ARMY	RDTE/Missile and Space Systems-Advanced De	499
	AVCO CORPORATION	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	398
	AVCO RESEARCH LABORATORY INC	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	1,245
	BAAS CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	1,254
	BATTELLE MEMORIAL INSTITUTE	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	245
		Ohio	ARMY	RDTE/Missile and Space Systems-Advanced De	3,041
	CONTRACTOR TOTAL				3,286
	BDM INTERNATIONAL INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	10,297
	BELTRAN ASSOCIATES INC	New York	ARMY	RDTE/Missile and Space Systems-Advanced De	51
	BLACK FOREST ENGINEERING, INCO	Colorado	ARMY	RDTE/Missile and Space Systems-Advanced De	51
	BOEING AEROSPACE OPERATIONS	Washington	ARMY	RDTE/Missile and Space Systems-Advanced De	51,045
			USAF	RDTE/Missile and Space Systems-Advanced De	22,395
	STATE TOTAL				73,441

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Operations and Reports

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AC23 (CONTINUED)						
	BOEING COMPANY THE	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	$	2,476
		Kansas	USAF	RDTE/Missile and Space Systems-Advanced De		6,393
		Washington	USAF	RDTE/Missile and Space Systems-Advanced De		61
	CONTRACTOR TOTAL					8,930
	BOOZ ALLEN & HAMILTON INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		1,200
	BREWER SCIENCE INC	Missouri	ARMY	RDTE/Missile and Space Systems-Advanced De		176
	BRIMROSE CORP OF AMERICA	Maryland	ARMY	RDTE/Missile and Space Systems-Advanced De		50
	CAMBER CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		1,168
	CAS INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		238
	CIENCIA INCORPORATED	Conn	ARMY	RDTE/Missile and Space Systems-Advanced De		110
	CNS TECHNOLOGY INC	New Jersey	ARMY	RDTE/Missile and Space Systems-Advanced De		50
	COLEMAN RESEARCH CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		16,270
	COLSA INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		42,244
	CONCEPTUAL SOFTWARE SYSTEMS	California	ARMY	RDTE/Missile and Space Systems-Advanced De		50
	CONTINOUS MOLDING INCORPORATED	California	ARMY	RDTE/Missile and Space Systems-Advanced De		59
	CREARE INC	N.H.	USAF	RDTE/Missile and Space Systems-Advanced De		1,500
	CRYSTAL SYSTEMS INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		50
	CRYSTALLUME	California	USAF	RDTE/Missile and Space Systems-Advanced De		67
	CSA ENGINEERING INC	California	USAF	RDTE/Missile and Space Systems-Advanced De		49
	CULHAM LABORATORY	UNITED KIN	ARMY	RDTE/Missile and Space Systems-Advanced De		200
	CYBERNET SYSTEMS CORP	Michigan	USAF	RDTE/Missile and Space Systems-Advanced De		48
	DEFENSE DIAMOND DEV CO J/V	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De		478
	DELTA RESEARCH INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		1,795
	DELTATEK LIMITED DELTATEK HOUS	UNITED KIN	ARMY	RDTE/Missile and Space Systems-Advanced De		3,543
	DESE RESEARCH & ENGINEERING	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		379

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC23 (CONTINUED)						
	DEVILS LAKE SIOUX TRIBE	N Dakota	ARMY	RDTE/Missile and Space Systems-Advanced De	$	50
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De		1,083
			USAF	RDTE/Missile and Space Systems-Advanced De		16,625
		STATE TOTAL				17,708
	DUKE UNIVERSITY	N Carolina	ARMY	RDTE/Missile and Space Systems-Advanced De		501
	DYNACS ENGINEERING CO INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		52
	DYNETICS INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		5,954
	E I C LABORATORIES INC	Mass	USAF	RDTE/Missile and Space Systems-Advanced De		250
	E I C LABORATORY INC	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De		62
			USAF	RDTE/Missile and Space Systems-Advanced De		61
		STATE TOTAL				124
	EARTH TECHNOLOGY CORP	Georgia	ARMY	RDTE/Missile and Space Systems-Advanced De		5,737
	ECOLE POLYTECHNIQUE	FRANCE	ARMY	RDTE/Missile and Space Systems-Advanced De		100
	EDFA CONSULTANTS	Rhode Isld	ARMY	RDTE/Missile and Space Systems-Advanced De		50
	EHRENPREIS DAVID B	New Jersey	NAVY	RDTE/Missile and Space Systems-Advanced De		252
	ELECTRO-OPTEK CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De		476
	ELECTRO-OPTICAL SCIENCES INC	New York	USAF	RDTE/Missile and Space Systems-Advanced De		420
	ELECTROMAGNETIC APPLICATIONS,	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De		49
	ELECTRON TRANSFER TECHNOLOGIES	New Jersey	ARMY	RDTE/Missile and Space Systems-Advanced De		339
	ENERGY SCIENCE LABORATORIES	California	ARMY	RDTE/Missile and Space Systems-Advanced De		273
	ENVIRNMENTAL RES INST OF MICH	California	USAF	RDTE/Missile and Space Systems-Advanced De		468
	EPION CORPORATION	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De		33
	ESSEX CORPORATION	Maryland	ARMY	RDTE/Missile and Space Systems-Advanced De		300
	FAR WEST SENSOR CORP	California	ARMY	RDTE/Missile and Space Systems-Advanced De		45
	FASTMAN INC	Penn	ARMY	RDTE/Missile and Space Systems-Advanced De		55

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	FIBER & SENSOR TECHNOLOGIES	Virginia	USAF	RDTE/Missile and Space Systems-Advanced De	$ 50
	FIBER MATERIALS INC	Maine	ARMY	RDTE/Missile and Space Systems-Advanced De	118
	FLAM & RUSSELL INC	Penn	ARMY	RDTE/Missile and Space Systems-Advanced De	100
	FLORIDA A & M UNIVERSITY	Florida	ARMY	RDTE/Missile and Space Systems-Advanced De	84
	FORTEX CORP	New York	USAF	RDTE/Missile and Space Systems-Advanced De	225
	FOSTER MILLER INC	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	388
			USAF	RDTE/Missile and Space Systems-Advanced De	45-
	STATE TOTAL				343
	FRAUNHO FER GESELLSCHAFT	GERMANY	NAVY	RDTE/Missile and Space Systems-Advanced De	469
	G T DEVICES INC	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	142
	GELTECH INC	Florida	ARMY	RDTE/Missile and Space Systems-Advanced De	51
	GEMINI COMPUTERS INCORPORATED	California	ARMY	RDTE/Missile and Space Systems-Advanced De	756
	GENERAL ATOMICS	California	USAF	RDTE/Missile and Space Systems-Advanced De	253
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De	766
	GENERAL ELECTRIC COMPANY	Mass	USAF	RDTE/Missile and Space Systems-Advanced De	4,000
		New Jersey	ARMY	RDTE/Missile and Space Systems-Advanced De	1,525
		New York	ARMY	RDTE/Missile and Space Systems-Advanced De	600
		N Carolina	ARMY	RDTE/Missile and Space Systems-Advanced De	55
		Penn	USAF	RDTE/Missile and Space Systems-Advanced De	13,163
	CONTRACTOR TOTAL				19,343
	GENERAL RESEARCH CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	6,344
		Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	926
	CONTRACTOR TOTAL				7,270
	GENERAL SCIENCES INC	Penn	ARMY	RDTE/Missile and Space Systems-Advanced De	49

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/Missile and Space Systems-Advanced De	$ 1,099
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Missile and Space Systems-Advanced De	409
	GORCA SYSTEMS INCORPORATED	New Jersey	ARMY	RDTE/Missile and Space Systems-Advanced De	51
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/Missile and Space Systems-Advanced De	12,529
	GRUMMAN DATA SYSTEMS CORP	New York	ARMY	RDTE/Missile and Space Systems-Advanced De	6,295
	GTE GOVERNMENT SYSTEMS CORP	California	USAF	RDTE/Missile and Space Systems-Advanced De	5,470
	H M J CORPORATION	Maryland	ARMY	RDTE/Missile and Space Systems-Advanced De	280
	HARRIS CORPORATION	Florida	ARMY	RDTE/Missile and Space Systems-Advanced De	2,971
		N Carolina	ARMY	RDTE/Missile and Space Systems-Advanced De	242
	CONTRACTOR TOTAL				3,213
	HERCULES INCORPORATED	W Virginia	NAVY	RDTE/Missile and Space Systems-Advanced De	1,000
	HONEYWELL INC	Arizona	ARMY	RDTE/Missile and Space Systems-Advanced De	224
		Florida	USAF	RDTE/Missile and Space Systems-Advanced De	21,333
		Minnesota	ARMY	RDTE/Missile and Space Systems-Advanced De	5,278
	CONTRACTOR TOTAL				26,835
	HORIZONS TECHNOLOGY INC	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	49
	HOWARD UNIVERSITY	D.C.	ARMY	RDTE/Missile and Space Systems-Advanced De	100
	HUGHES AIRCRAFT COMPANY	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	43,907
		California	ARMY	RDTE/Missile and Space Systems-Advanced De	49,458
			USAF	RDTE/Missile and Space Systems-Advanced De	27,410
	STATE TOTAL				76,869
	CONTRACTOR TOTAL				120,776
	HYPRES INC	New York	ARMY	RDTE/Missile and Space Systems-Advanced De	390
	I A P RESEARCH INC	Ohio	ARMY	RDTE/Missile and Space Systems-Advanced De	46

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC23 (CONTINUED)						
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Missile and Space Systems-Advanced De	$	150
	IABG	GERMANY	ARMY	RDTE/Missile and Space Systems-Advanced De		223
	IMAGING SCIENCE TECHNOLOGIES	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De		257
			USAF	RDTE/Missile and Space Systems-Advanced De		181
		STATE TOTAL				438
	INDUSTRIAL SENSORS & ACTUATORS	California	ARMY	RDTE/Missile and Space Systems-Advanced De		403
	INNOVATION ASSOCIATES	Michigan	ARMY	RDTE/Missile and Space Systems-Advanced De		190
	INTEGRATED APPLIED PHYSICS	California	ARMY	RDTE/Missile and Space Systems-Advanced De		250
	INTEGRATED SYSTEMS INC	Georgia	USAF	RDTE/Missile and Space Systems-Advanced De		124
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/Missile and Space Systems-Advanced De		5,586
		Virginia	USAF	RDTE/Missile and Space Systems-Advanced De		12,294
	CONTRACTOR TOTAL					17,879
	INTERNATIONAL SOFTWARE SYSTEMS	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De		1,893
	INTERNATIONAL TECHNICAL ASSOC	California	USAF	RDTE/Missile and Space Systems-Advanced De		480
	IRVINE SENSORS CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De		1,059
	ISP	California	USAF	RDTE/Missile and Space Systems-Advanced De		291
	ISRAEL AIRCRAFT INDUSTRIES LTD	ISRAEL	ARMY	RDTE/Missile and Space Systems-Advanced De		68,233
	ISRAELI MINISTRY OF DEFENSE	ISRAEL	ARMY	RDTE/Missile and Space Systems-Advanced De		85
	JAYCOR	California	ARMY	RDTE/Missile and Space Systems-Advanced De		3,750
	JET PROCESS CORPORATION	Conn	ARMY	RDTE/Missile and Space Systems-Advanced De		53
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/Missile and Space Systems-Advanced De		142
	KAMAN SCIENCES CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		12,862
		Colorado	ARMY	RDTE/Missile and Space Systems-Advanced De		440
	CONTRACTOR TOTAL					13,302

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	KBM ENTERPRISES INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	$ 50
	KTECH CORPORATION	New Mexico	ARMY	RDTE/Missile and Space Systems-Advanced De	480
	L GARDE INC	California	USAF	RDTE/Missile and Space Systems-Advanced De	590
	LASER SCIENCE INC	Mass	NAVY	RDTE/Missile and Space Systems-Advanced De	164
	LASERGENICS CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De	99
	LASKER TECHNOLOGY INCORPORATED	California	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	LENTEC CORPORATION	New Mexico	ARMY	RDTE/Missile and Space Systems-Advanced De	47
	LINARES MANAGEMENT ASSOCIATES	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	LITECOM INC	California	USAF	RDTE/Missile and Space Systems-Advanced De	89
	LITTLE ARTHUR D INC	Mass	USAF	RDTE/Missile and Space Systems-Advanced De	50
	LITTON SYSTEMS INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De	230
			USAF	RDTE/Missile and Space Systems-Advanced De	14,427
		STATE TOTAL			14,657
	LOCKHEED MISSILES & SPACE CO	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	4,089
		California	ARMY	RDTE/Missile and Space Systems-Advanced De	76,040
			USAF	RDTE/Missile and Space Systems-Advanced De	1,919
		STATE TOTAL			77,959
	CONTRACTOR TOTAL				82,048
	LORAL AEROSPACE CORP	California	ARMY	RDTE/Missile and Space Systems-Advanced De	180
		Colorado	ARMY	RDTE/Missile and Space Systems-Advanced De	366
	CONTRACTOR TOTAL				546
	LORAL CORP	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	3,546
	LORAL VOUGHT SYSTEMS	Arkansas	ARMY	RDTE/Missile and Space Systems-Advanced De	858
		Texas	ARMY	RDTE/Missile and Space Systems-Advanced De	172,713
	CONTRACTOR TOTAL				173,571
	LTV CORPORATION	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De	100-

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	M & W MICROFILM SERVICE INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	$ 53
	M K GLOBAL MANAGEMENT CORP	California	ARMY	RDTE/Missile and Space Systems-Advanced De	51
	M S SAPUPPO & ASSOCIATES	Mass	USAF	RDTE/Missile and Space Systems-Advanced De	54
	MAINSTREAM ENGINEERING CO INC	Florida	USAF	RDTE/Missile and Space Systems-Advanced De	48
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/Missile and Space Systems-Advanced De	3,625
			USAF	RDTE/Missile and Space Systems-Advanced De	10,984
		STATE TOTAL			14,609
		Florida	ARMY	RDTE/Missile and Space Systems-Advanced De	29,274
	CONTRACTOR TOTAL				43,883
	MATERIAL & ELECTROCHEMICAL RES	Arizona	USAF	RDTE/Missile and Space Systems-Advanced De	50
	MATERIALS ELECTROCHEMICAL RES	Arizona	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	MATERIALS MODIFICATION INC	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	43
	MAXDEM INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De	350
	MAXWELL LABORATORIES INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De	200
	MAYO FOUNDATION	Minnesota	NAVY	RDTE/Missile and Space Systems-Advanced De	6,313
	MC DANIEL JOHN L ENTERPRISES	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	29
	MCDONNELL DOUGLAS CORPORATION	California	USAF	RDTE/Missile and Space Systems-Advanced De	221
		Missouri	NAVY	RDTE/Missile and Space Systems-Advanced De	47
	CONTRACTOR TOTAL				269
	MCDONNELL DOUGLAS SPACE SYS CO	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	190
		California	ARMY	RDTE/Missile and Space Systems-Advanced De	167,393
	CONTRACTOR TOTAL				167,583
	MECHANICAL TECHNOLOGY INC	New York	USAF	RDTE/Missile and Space Systems-Advanced De	384
	METROLASER	California	ARMY	RDTE/Missile and Space Systems-Advanced De	53

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC23 (CONTINUED)						
	MEVATEC CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	$	11,815
	MICROCOM CORPORATION	Penn	NAVY	RDTE/Missile and Space Systems-Advanced De		3,681
	MICROCOSM	California	USAF	RDTE/Missile and Space Systems-Advanced De		188
	MICROLECTRONICS CMPT TECH CORP	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De		265
	MINISTRY OF DEFENSE UK	UNITED KIN	ARMY	RDTE/Missile and Space Systems-Advanced De		3,856
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/Missile and Space Systems-Advanced De		190
		New Mexico	ARMY	RDTE/Missile and Space Systems-Advanced De		868
	CONTRACTOR TOTAL					1,058
	MOTOROLA INC	Arizona	NAVY	RDTE/Missile and Space Systems-Advanced De		500
	NATIONAL STEEL & SHIPBLDG CO	California	NAVY	RDTE/Missile and Space Systems-Advanced De		150
	NATIVE AMERICAN SERVICE ASSN	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		358
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		37,367
		Ohio	USAF	RDTE/Missile and Space Systems-Advanced De		2,529
	CONTRACTOR TOTAL					39,895
	NIMBLE COMPUTER CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De		50
	NONVOLATILE ELECTRONICS, INC	Minnesota	ARMY	RDTE/Missile and Space Systems-Advanced De		51
	NORTH CAROLINA A&T STATE UNIV	N Carolina	ARMY	RDTE/Missile and Space Systems-Advanced De		35
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/Missile and Space Systems-Advanced De		184
	NORTHROP CORPORATION	Mass	NAVY	RDTE/Missile and Space Systems-Advanced De		72
	OPTIMIZATION TECHNOLOGY INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		87
	OPTIVISION INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De		50
	ORION INTERNATIONAL TECH	New Mexico	USAF	RDTE/Missile and Space Systems-Advanced De		1,833
	ORTEL CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De		51
	PAGE AUTOMATED TELECOM SYSTEMS	California	USAF	RDTE/Missile and Space Systems-Advanced De		49

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	PARASOFT CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De	$ 51
	PAROSCIENTIFIC INC	Washington	NAVY	RDTE/Missile and Space Systems-Advanced De	57
	PHASE IV SYSTEMS INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	5,848
	PHASEX CORPORATION	Mass	USAF	RDTE/Missile and Space Systems-Advanced De	240
	PHOTEL INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De	383
	PHOTONICS RESEARCH INC	Colorado	ARMY	RDTE/Missile and Space Systems-Advanced De	100
	PHYSICAL OPTICS CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De	500
	PHYSICAL RESEARCH INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De	1,441
	PHYSITRON INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	3,374
	PLEX CORPORATION	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	60
	POLYTECHNIC UNIVERSITY	New York	ARMY	RDTE/Missile and Space Systems-Advanced De	255
	PRECISION FILTERS INC	New York	NAVY	RDTE/Missile and Space Systems-Advanced De	54
	PRODUCTIVITY SOLUTIONS	Rhode Isld	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	PROPULSION RESEARCH INC	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	51
			NAVY	RDTE/Missile and Space Systems-Advanced De	35
		STATE TOTAL			86
	PURDUE UNIVERSITY	Indiana	USAF	RDTE/Missile and Space Systems-Advanced De	27
	Q SOURCE INC	Conn	ARMY	RDTE/Missile and Space Systems-Advanced De	75
	QUALITY RESEARCH INCORPORATED	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	297
	R & D ASSOCIATES	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	79
	RAM SYSTEM GMBH	GERMANY	NAVY	RDTE/Missile and Space Systems-Advanced De	475
	RAYMOND ENGINEERING INC	Conn	NAVY	RDTE/Missile and Space Systems-Advanced De	65
	RAYTHEON COMPANY	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	49,592
			NAVY	RDTE/Missile and Space Systems-Advanced De	800
		STATE TOTAL			50,392

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
		N.H.	ARMY	RDTE/Missile and Space Systems-Advanced De	$ 2,500
	CONTRACTOR TOTAL				52,892
	REFRACTORY COMPOSITES INC	California	USAF	RDTE/Missile and Space Systems-Advanced De	50-
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/Missile and Space Systems-Advanced De	113,228
			NAVY	RDTE/Missile and Space Systems-Advanced De	181
			USAF	RDTE/Missile and Space Systems-Advanced De	25,056
		STATE TOTAL			138,464
		Georgia	ARMY	RDTE/Missile and Space Systems-Advanced De	1,386
	CONTRACTOR TOTAL				139,850
	S K W CORP	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	225
	S S G INC	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	563
			USAF	RDTE/Missile and Space Systems-Advanced De	355
		STATE TOTAL			918
	S SYSTEMS CORPORATION	California	USAF	RDTE/Missile and Space Systems-Advanced De	4,774
	SANDIA SYSTEMS, INCORPORATED	New Mexico	ARMY	RDTE/Missile and Space Systems-Advanced De	56
	SARCOS RESEARCH CORP.	Utah	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	SATCON TECHNOLOGY CORPORATION	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	45
	SCHMIDT INSTRUMENTS	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De	365
	SCIENCE & ENGINEERING SERVICES	Maryland	ARMY	RDTE/Missile and Space Systems-Advanced De	51
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	1,472
		California	ARMY	RDTE/Missile and Space Systems-Advanced De	180
			USAF	RDTE/Missile and Space Systems-Advanced De	497
		STATE TOTAL			677
		New Mexico	USAF	RDTE/Missile and Space Systems-Advanced De	67
	CONTRACTOR TOTAL				2,216
	SCIENCE RESEARCH LABORATORY	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	275
	SCIENTIFIC RESEARCH ASSOC INC	Conn	ARMY	RDTE/Missile and Space Systems-Advanced De	40

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC23 (CONTINUED)						
	SCIENTIFIC RESEARCH CORP	Georgia	ARMY	RDTE/Missile and Space Systems-Advanced De	$	500
	SECURE COMPUTING TECHNOLOGY CO	Minnesota	ARMY	RDTE/Missile and Space Systems-Advanced De		51
	SIGMATECH INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		970
	SOFTWARE PRDUCTIVITY SOLUTIONS	Florida	ARMY	RDTE/Missile and Space Systems-Advanced De		75
	SOREQ NUCLEAR RESEARCH CENTER	ISRAEL	ARMY	RDTE/Missile and Space Systems-Advanced De		834
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		275
	SOUTHERN UNIV AG MECH COLLEGE	Louisiana	ARMY	RDTE/Missile and Space Systems-Advanced De		100
	SPACE COMPUTER CORP	California	USAF	RDTE/Missile and Space Systems-Advanced De		55
	SPACE DATA CORPORATION	Arizona	ARMY	RDTE/Missile and Space Systems-Advanced De		22,996
			USAF	RDTE/Missile and Space Systems-Advanced De		5,345
		STATE TOTAL				28,341
	SPACE EXPLORATION ASSOCIATES	Ohio	ARMY	RDTE/Missile and Space Systems-Advanced De		52
	SPACE SYSTEMS ANALYSIS	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De		100
	SPACE TEC VENTURES	Virginia	USAF	RDTE/Missile and Space Systems-Advanced De		62
	SPARTA INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		6,469
		California	ARMY	RDTE/Missile and Space Systems-Advanced De		6,689
			USAF	RDTE/Missile and Space Systems-Advanced De		4,401
		STATE TOTAL				11,090
		Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De		100
	CONTRACTOR TOTAL					17,659
	SPECTRA DIODE LABORATORIES	California	USAF	RDTE/Missile and Space Systems-Advanced De		132
	SPIRE CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De		49
		Mass	ARMY	RDTE/Missile and Space Systems-Advanced De		1,525
			NAVY	RDTE/Missile and Space Systems-Advanced De		50
		STATE TOTAL				1,575

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	CONTRACTOR TOTAL				$ 1,624
	SRI INTERNATIONAL	California	USAF	RDTE/Missile and Space Systems-Advanced De	125
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	1,306
	STRUCTURAL DYNAMICS RES CORP	California	USAF	RDTE/Missile and Space Systems-Advanced De	41
	STRUCTURED MATERIALS INDUSTRIE	New Jersey	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	SUMMA TECHNOLOGY INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	5,477
	SUNOL SCIENCES CORP	California	USAF	RDTE/Missile and Space Systems-Advanced De	119
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	326
	T P L INC	New Mexico	USAF	RDTE/Missile and Space Systems-Advanced De	48
	TACAN CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De	131
	TADIRAN ISRAEL ELECTRONICS IND	ISRAEL	ARMY	RDTE/Missile and Space Systems-Advanced De	3,617
	TAKOM COMPANY	California	ARMY	RDTE/Missile and Space Systems-Advanced De	78
	TEC MASTERS INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	2,177
	TECHNO SCIENCES INC	Maryland	USAF	RDTE/Missile and Space Systems-Advanced De	136
	TECHNOLOGY APPLICATIONS	California	ARMY	RDTE/Missile and Space Systems-Advanced De	2,142
	TECHNOLOGY DEVELOPMENT CORP	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	3,775
	TECOLOTE RESEARCH INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	2,128
	TELEDYNE INDUSTRIES INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	85,487
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/Missile and Space Systems-Advanced De	1,485
			USAF	RDTE/Missile and Space Systems-Advanced De	696
		STATE TOTAL			2,181
	TEXAS TECH UNIVERSITY	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De	30
	TEXTRON INC	Mass	ARMY	RDTE/Missile and Space Systems-Advanced De	830
	THERMACORE INC	Penn	ARMY	RDTE/Missile and Space Systems-Advanced De	220
	THERMOTREX CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Advanced De	1,262

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
		Mass	USAF	RDTE/Missile and Space Systems-Advanced De	$ 162
	CONTRACTOR TOTAL				1,424
	THIOKOL CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	920
		Maryland	USAF	RDTE/Missile and Space Systems-Advanced De	2,849
		Utah	NAVY	RDTE/Missile and Space Systems-Advanced De	1,520
	CONTRACTOR TOTAL				5,288
	TIGTEK INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De	46
	TOYON RESEARCH CORP	California	ARMY	RDTE/Missile and Space Systems-Advanced De	49
	TPL COMMUNICATIONS	New Mexico	ARMY	RDTE/Missile and Space Systems-Advanced De	113
	TRW INC	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	11,005
		California	ARMY	RDTE/Missile and Space Systems-Advanced De	4,063
			USAF	RDTE/Missile and Space Systems-Advanced De	13,552
		STATE TOTAL			17,616
	CONTRACTOR TOTAL				28,621
	TRYMER COMPANY THE	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De	51
	TUSKEGEE UNIVERSITY	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	TYBRIN CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	635
	ULTRAMET	California	ARMY	RDTE/Missile and Space Systems-Advanced De	75
			USAF	RDTE/Missile and Space Systems-Advanced De	50
		STATE TOTAL			125
	UNISYS CORPORATION	Florida	USAF	RDTE/Missile and Space Systems-Advanced De	2,200
	UNITED INTERNATIONAL ENGRG	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	584
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/Missile and Space Systems-Advanced De	880
		Florida	USAF	RDTE/Missile and Space Systems-Advanced De	171
	CONTRACTOR TOTAL				1,051

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/Missile and Space Systems-Advanced De	$ 2,183
	UNIVERSITY OF CAMBRIDGE	UNITED KIN	ARMY	RDTE/Missile and Space Systems-Advanced De	200
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/Missile and Space Systems-Advanced De	121
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/Missile and Space Systems-Advanced De	271
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/Missile and Space Systems-Advanced De	38
			USAF	RDTE/Missile and Space Systems-Advanced De	34
		STATE TOTAL			72
	UNIVERSITY OF MARYLAND SYSTEM	Maryland	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/Missile and Space Systems-Advanced De	29-
	UNIVERSITY OF MISSOURI ROLLA	Missouri	ARMY	RDTE/Missile and Space Systems-Advanced De	34
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Missile and Space Systems-Advanced De	35
	UNIVERSITY OF TENNESSEE	Tennessee	ARMY	RDTE/Missile and Space Systems-Advanced De	300
	UNIVERSITY OF TEXAS ARLINGTON	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De	240
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De	200
	VARIAN ASSOCIATES INC	California	USAF	RDTE/Missile and Space Systems-Advanced De	729
	VIASAT INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De	49
	VOUGHT AIRCRAFT	Texas	ARMY	RDTE/Missile and Space Systems-Advanced De	186-
	VSE CORPORATION	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	1,180
	WAGNER DANIEL H ASSOCIATES	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	48
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/Missile and Space Systems-Advanced De	5,515
	WHEELER CONTRACTING INC	N Dakota	ARMY	RDTE/Missile and Space Systems-Advanced De	2,284
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/Missile and Space Systems-Advanced De	1,900
	WOOLLAM J A CO	Nebraska	ARMY	RDTE/Missile and Space Systems-Advanced De	50
	XACTON CORPORATION	Mass	USAF	RDTE/Missile and Space Systems-Advanced De	300
	XEMET INC	Washington	ARMY	RDTE/Missile and Space Systems-Advanced De	194

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	XONTECH INC	California	ARMY	RDTE/Missile and Space Systems-Advanced De	$ 570
			USAF	RDTE/Missile and Space Systems-Advanced De	2,396
		STATE TOTAL			2,966
	XSIRIUS SUPERCONDUCTIVITY INC.	Virginia	ARMY	RDTE/Missile and Space Systems-Advanced De	51
	R&D TOTAL				1,567,269
AC24	AC INC	Alabama	ARMY	RDTE/Missile and Space Systems-Engr Develo	450
	ADVANCED DIGITAL SYSTEM INC	California	USAF	RDTE/Missile and Space Systems-Engr Develo	443
	AEL CROSS SYSTEMS DIV	Georgia	USAF	RDTE/Missile and Space Systems-Engr Develo	100
	AEROJET	California	USAF	RDTE/Missile and Space Systems-Engr Develo	20,542
	ALABAMA A & M UNIVERSITY	Alabama	ARMY	RDTE/Missile and Space Systems-Engr Develo	43
	BDM INTERNATIONAL INC	Alabama	ARMY	RDTE/Missile and Space Systems-Engr Develo	41
	BOEING AEROSPACE OPERATIONS	California	USAF	RDTE/Missile and Space Systems-Engr Develo	3,623
		Washington	USAF	RDTE/Missile and Space Systems-Engr Develo	1,014
	CONTRACTOR TOTAL				4,637
	BOEING COMPANY THE	Washington	USAF	RDTE/Missile and Space Systems-Engr Develo	420-
	CAS INC	Alabama	ARMY	RDTE/Missile and Space Systems-Engr Develo	1,200
	CONTRAVES USA INC	Florida	NAVY	RDTE/Missile and Space Systems-Engr Develo	36
	CROSS SYSTEMS INC	Georgia	USAF	RDTE/Missile and Space Systems-Engr Develo	156
	CTA INCORPORATED	California	USAF	RDTE/Missile and Space Systems-Engr Develo	170
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/Missile and Space Systems-Engr Develo	2,701
	EG&G INC	California	ARMY	RDTE/Missile and Space Systems-Engr Develo	207-
	EG&G WASHINGTON ANALYTICAL SVC	Maryland	NAVY	RDTE/Missile and Space Systems-Engr Develo	412
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Engr Develo	3,000
			NAVY	RDTE/Missile and Space Systems-Engr Develo	2,320
		STATE TOTAL			5,320

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC24 (CONTINUED)						
	GENERAL ELECTRIC COMPANY	Mass	NAVY	RDTE/Missile and Space Systems-Engr Develo	$	20,934
		Penn	USAF	RDTE/Missile and Space Systems-Engr Develo		6,124-
	CONTRACTOR TOTAL					14,809
	GEODYNAMICS CORPORATION	California	USAF	RDTE/Missile and Space Systems-Engr Develo		601
	GTE CORPORATION	Mass	USAF	RDTE/Missile and Space Systems-Engr Develo		94-
	HARRIS CORPORATION	Florida	NAVY	RDTE/Missile and Space Systems-Engr Develo		935
	HEATH ELECTRONICS MFG	Idaho	NAVY	RDTE/Missile and Space Systems-Engr Develo		26
	HERCULES INCORPORATED	Utah	USAF	RDTE/Missile and Space Systems-Engr Develo		2,586
	HONEYWELL INC	New Mexico	USAF	RDTE/Missile and Space Systems-Engr Develo		621
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Missile and Space Systems-Engr Develo		787
			USAF	RDTE/Missile and Space Systems-Engr Develo		267
		STATE TOTAL				1,054
	KAMAN SCIENCES CORPORATION	Colorado	NAVY	RDTE/Missile and Space Systems-Engr Develo		750
		New Mexico	USAF	RDTE/Missile and Space Systems-Engr Develo		890
	CONTRACTOR TOTAL					1,640
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/Missile and Space Systems-Engr Develo		191
	LITTON SYSTEMS INC	California	USAF	RDTE/Missile and Space Systems-Engr Develo		261
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/Missile and Space Systems-Engr Develo		95-
	LOGICON INC	California	USAF	RDTE/Missile and Space Systems-Engr Develo		3,675
	LORAL AEROSPACE CORP	Colorado	USAF	RDTE/Missile and Space Systems-Engr Develo		95,644
	LORAL CORP	Colorado	USAF	RDTE/Missile and Space Systems-Engr Develo		6,122
		Penn	NAVY	RDTE/Missile and Space Systems-Engr Develo		9,533
	CONTRACTOR TOTAL					15,655
	LORAL VOUGHT SYSTEMS	Texas	ARMY	RDTE/Missile and Space Systems-Engr Develo		156,475
	M D T T INC	Florida	ARMY	RDTE/Missile and Space Systems-Engr Develo		74,881

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC24 (CONTINUED)						
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Missile and Space Systems-Engr Develo	$	39,036
	MCDONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/Missile and Space Systems-Engr Develo		1,576
	MCDONNELL DOUGLAS SPACE SYS CO	California	USAF	RDTE/Missile and Space Systems-Engr Develo		73-
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/Missile and Space Systems-Engr Develo		243
	MOTOROLA INC	Arizona	NAVY	RDTE/Missile and Space Systems-Engr Develo		75
	NORTHROP CORPORATION	California	ARMY	RDTE/Missile and Space Systems-Engr Develo		116,800
			USAF	RDTE/Missile and Space Systems-Engr Develo		12,017-
		STATE TOTAL				104,783
	PARAMAX SYSTEMS CORP	Mass	NAVY	RDTE/Missile and Space Systems-Engr Develo		291
		New York	NAVY	RDTE/Missile and Space Systems-Engr Develo		3,013
		Virginia	NAVY	RDTE/Missile and Space Systems-Engr Develo		74
	CONTRACTOR TOTAL					3,378
	RAYTHEON COMPANY	Mass	ARMY	RDTE/Missile and Space Systems-Engr Develo		48,116
			NAVY	RDTE/Missile and Space Systems-Engr Develo		20,571
		STATE TOTAL				68,687
		Tennessee	NAVY	RDTE/Missile and Space Systems-Engr Develo		247
	CONTRACTOR TOTAL					68,934
	RAYTHEON MIDDLE EAST SYSTMS CO	Mass	NAVY	RDTE/Missile and Space Systems-Engr Develo		185
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Missile and Space Systems-Engr Develo		22,864
		Georgia	USAF	RDTE/Missile and Space Systems-Engr Develo		3,558
	CONTRACTOR TOTAL					26,422
	ROYAL NORWEGIAN NAVAL MATERIAL	NORWAY	NAVY	RDTE/Missile and Space Systems-Engr Develo		302
	SARGENT CONTROLS	Arizona	NAVY	RDTE/Missile and Space Systems-Engr Develo		84
	SIPPICAN INC	Mass	NAVY	RDTE/Missile and Space Systems-Engr Develo		510
	SYSTEMS & LOGISTICS CORP	California	USAF	RDTE/Missile and Space Systems-Engr Develo		252

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AC24 (CONTINUED)						
	TASC	Mass	NAVY	RDTE/Missile and Space Systems-Engr Develo	$	450
	TECOLOTE RESEARCH INC	California	USAF	RDTE/Missile and Space Systems-Engr Develo		582
	TEXAS INSTRUMENT M MARIETTA JV	Texas	ARMY	RDTE/Missile and Space Systems-Engr Develo		109,921
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/Missile and Space Systems-Engr Develo		26,554
			USAF	RDTE/Missile and Space Systems-Engr Develo		4,033
		STATE TOTAL				30,587
	THIOKOL CORPORATION	Utah	NAVY	RDTE/Missile and Space Systems-Engr Develo		200
			USAF	RDTE/Missile and Space Systems-Engr Develo		13,939
		STATE TOTAL				14,139
	TRACOR INC	Texas	USAF	RDTE/Missile and Space Systems-Engr Develo		16,000
	TRW INC	California	USAF	RDTE/Missile and Space Systems-Engr Develo		143,234
		Nebraska	USAF	RDTE/Missile and Space Systems-Engr Develo		362
	CONTRACTOR TOTAL					143,596
	UNISYS CORPORATION	Virginia	NAVY	RDTE/Missile and Space Systems-Engr Develo		138
	UNITED INTERNATIONAL ENGRG	New Mexico	ARMY	RDTE/Missile and Space Systems-Engr Develo		1,142
	VITRO CORPORATION	Maryland	NAVY	RDTE/Missile and Space Systems-Engr Develo		3,092
	WESTINGHOUSE ELECTRIC CORP	California	NAVY	RDTE/Missile and Space Systems-Engr Develo		41-
			USAF	RDTE/Missile and Space Systems-Engr Develo		9,885-
		STATE TOTAL				9,926-
R&D TOTAL						959,914
AC25	AEROJET	California	USAF	RDTE/Missile and Space Systems-Op Systems		462
	AEROMET INC	Oklahoma	ARMY	RDTE/Missile and Space Systems-Op Systems		930
		Marshall I	ARMY	RDTE/Missile and Space Systems-Op Systems		2,023
	CONTRACTOR TOTAL					2,952
	BOEING COMPANY THE	Kansas	USAF	RDTE/Missile and Space Systems-Op Systems		764-

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AC25 (CONTINUED)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
	CONTEL CORPORATION	Colorado	USAF	RDTE/Missile and Space Systems-Op Systems	$	16,348
		Maryland	USAF	RDTE/Missile and Space Systems-Op Systems		1,557
	CONTRACTOR TOTAL					17,905
	GENERAL DYNAMICS CORPORATION	California	NAVY	RDTE/Missile and Space Systems-Op Systems		33
	GENERAL ELECTRIC COMPANY	New Jersey	USAF	RDTE/Missile and Space Systems-Op Systems		163,102
	GTE GOVERNMENT SYSTEMS CORP	Maryland	USAF	RDTE/Missile and Space Systems-Op Systems		2,014
	HARRIS CORPORATION	Florida	USAF	RDTE/Missile and Space Systems-Op Systems		452
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Missile and Space Systems-Op Systems		4,223
	INFOTEC DEVELOPMENT INC	California	USAF	RDTE/Missile and Space Systems-Op Systems		3,676
	INTEGRAL SYSTEMS INC	Maryland	USAF	RDTE/Missile and Space Systems-Op Systems		2,016
	INTERSTATE ELECTRONICS CORP	California	NAVY	RDTE/Missile and Space Systems-Op Systems		161
	ISYS SECURITY SYSTEMS INC	California	USAF	RDTE/Missile and Space Systems-Op Systems		1,799
	JWP INC	California	USAF	RDTE/Missile and Space Systems-Op Systems		490
	KAMAN SCIENCES CORPORATION	Colorado	USAF	RDTE/Missile and Space Systems-Op Systems		1,063
	KDI PRECISION PRODUCTS INC	Ohio	NAVY	RDTE/Missile and Space Systems-Op Systems		113
	KEYSTONE COMPUTER ASSOCIATES	Maryland	NAVY	RDTE/Missile and Space Systems-Op Systems		34
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Missile and Space Systems-Op Systems		1,074,879
	MOTOROLA INC	Arizona	NAVY	RDTE/Missile and Space Systems-Op Systems		52,732
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/Missile and Space Systems-Op Systems		5,112
	NORTHROP CORPORATION	California	USAF	RDTE/Missile and Space Systems-Op Systems		287
	ORION INTERNATIONAL TECH	New Mexico	USAF	RDTE/Missile and Space Systems-Op Systems		42
	RAYTHEON COMPANY	Mass	ARMY	RDTE/Missile and Space Systems-Op Systems		4,710
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Missile and Space Systems-Op Systems		63
		Iowa	USAF	RDTE/Missile and Space Systems-Op Systems		644

Prepared By: Washington Headquarters Services
Directorate for Information
Operations and Reports

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC25 (CONTINUED)					
	CONTRACTOR TOTAL				$ 707
	SRS TECHNOLOGIES	Alabama	USAF	RDTE/Missile and Space Systems-Op Systems	33
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/Missile and Space Systems-Op Systems	58
	SYSTEMS RES APPLICATIONS CORP	California	USAF	RDTE/Missile and Space Systems-Op Systems	2,203
		Mass	USAF	RDTE/Missile and Space Systems-Op Systems	338
	CONTRACTOR TOTAL				2,541
	TRW INC	California	USAF	RDTE/Missile and Space Systems-Op Systems	2,325
	VITRO CORPORATION	Maryland	NAVY	RDTE/Missile and Space Systems-Op Systems	67
	VRC CORPORATION	Virginia	ARMY	RDTE/Missile and Space Systems-Op Systems	4,563
	R&D TOTAL				1,347,786
AC26	A T S S INC	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	491
	ACCURATE AUTOMATION CORP	Tennessee	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	49
	ALPHATECH INC	Mass	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	50
	AMERICAN COMPOSITE TECHNOLOGY	Mass	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	222
	ANALYSIS CONSULTANTS	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	70
	ARIAS RESEARCH ASSOCIATES	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	49
	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	123
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/Missile and Space Systems-Mgmt & Supp	578
	CSA ENGINEERING INC	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	193
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/Missile and Space Systems-Mgmt & Supp	250
	ELECTRIC PROPULSION LABORATORY	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	240
	ELECTRO-OPTEK CORPORATION	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	46
	FOSTER MILLER INC	Mass	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	121
	FRONTIER ENGINEERING INC	Oklahoma	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	238

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC26 (CONTINUED)					
	HERSH ACOUSTICAL ENGINEERING	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	$ 40
	HITTITE MICROWAVE CORPORATION	Mass	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	190
	HYPERSONICS INC	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	370
	INTEGRATED SYSTEMS INC	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	280
	INTERMAGNETICS GENERAL CORP	New York	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	50
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	356
		Florida	NAVY	RDTE/Missile and Space Systems-Mgmt & Supp	2,600
	CONTRACTOR TOTAL				2,956
	MATERIALS SCIENCES CORP	Penn	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	161
	MIDWEST RESEARCH TECHNOLOGIES	Wisconsin	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	300
	ORBITAL TECHNOLOGIES CORP	Wisconsin	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	65
	PRC INC	Virginia	ARMY	RDTE/Missile and Space Systems-Mgmt & Supp	223
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Missile and Space Systems-Mgmt & Supp	330
	SOFTWARE AND ENGINEERING ASSOC	Nevada	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	428
	SPECTRAL SCIENCES INC	Mass	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	150
	SRS TECHNOLOGIES	Alabama	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	290
	SUNPOWER INC	Ohio	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	50
	SYSTEMS RES APPLICATIONS CORP	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	28
		Maryland	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	1,284
		Mass	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	131
		Virginia	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	73
	CONTRACTOR TOTAL				1,516
	TACAN CORPORATION	California	USAF	RDTE/Missile and Space Systems-Mgmt & Supp	50
	TASC	Mass	NAVY	RDTE/Missile and Space Systems-Mgmt & Supp	266

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC26 (CONTINUED)						
	TCI INTERNATIONAL INC	California	ARMY	RDTE/Missile and Space Systems-Mgmt & Supp	$	400
	VITRO CORPORATION	Virginia	NAVY	RDTE/Missile and Space Systems-Mgmt & Supp		663
R&D TOTAL						11,504
AC31	ACTRAN SYSTEMS INC	Florida	NAVY	RDTE/Ships-Basic Research		60
	ADVANCED MARINE ENTERPRISES	Virginia	NAVY	RDTE/Ships-Basic Research		50
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	NAVY	RDTE/Ships-Basic Research		672
	ANADAC INC	Virginia	NAVY	RDTE/Ships-Basic Research		100
	ASPEN SYSTEMS INC	Mass	NAVY	RDTE/Ships-Basic Research		50
	ASTRON CORPORATION	Virginia	NAVY	RDTE/Ships-Basic Research		486
	AVONDALE INDUSTRIES INC	Texas	NAVY	RDTE/Ships-Basic Research		50
	BARRON ASSOCIATES INC	Virginia	NAVY	RDTE/Ships-Basic Research		55
	BEND RESEARCH INC	Oregon	NAVY	RDTE/Ships-Basic Research		62
	BRIMROSE CORP OF AMERICA	Maryland	NAVY	RDTE/Ships-Basic Research		50
	BUSINESS & ENGINEERING TECH SV	Rhode Isld	NAVY	RDTE/Ships-Basic Research		44
	CAMBRIDGE ACOUSTICAL ASSOC	Mass	NAVY	RDTE/Ships-Basic Research		57
	CREARE INC	N.H.	NAVY	RDTE/Ships-Basic Research		50
	D A I INC	Maryland	NAVY	RDTE/Ships-Basic Research		49
	DECISION DYNAMICS INC	Maryland	NAVY	RDTE/Ships-Basic Research		43
	DEPARTMENT OF COMMERCE	Mass	NAVY	RDTE/Ships-Basic Research		125
	DIGITAL SYSTEM RESOURCES INC	Virginia	NAVY	RDTE/Ships-Basic Research		145
	FOSTER MILLER INC	Mass	NAVY	RDTE/Ships-Basic Research		53
	GROVE ENGINEERING INC	Maryland	NAVY	RDTE/Ships-Basic Research		40
	INNOVATIVE TECHNOLOGY ASSOC	Virginia	NAVY	RDTE/Ships-Basic Research		49
	J R S RESEARCH LABORATORIES	California	NAVY	RDTE/Ships-Basic Research		50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC31 (CONTINUED)						
	LAQUE CTR FOR CORROSION TECH	N Carolina	NAVY	RDTE/Ships-Basic Research	$	401
	LOGIX CORPORATION	Virginia	NAVY	RDTE/Ships-Basic Research		46
	MANSOUR ENGINEERING INC	California	NAVY	RDTE/Ships-Basic Research		46
	METRON INC	Virginia	NAVY	RDTE/Ships-Basic Research		50
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/Ships-Basic Research		101
	OMNITEK INC	Virginia	NAVY	RDTE/Ships-Basic Research		50
	OPTIMUM STRUCTURAL DESIGN INC	Maryland	NAVY	RDTE/Ships-Basic Research		50
	OPTIPHASE INC	California	NAVY	RDTE/Ships-Basic Research		50
	ORINCON CORPORATION	California	NAVY	RDTE/Ships-Basic Research		549
		Hawaii	NAVY	RDTE/Ships-Basic Research		49
	CONTRACTOR TOTAL					598
	PASKOWITZ ASSOCIATES	Virginia	NAVY	RDTE/Ships-Basic Research		70
	PHOENIX DIGITAL CORPORATION	Arizona	NAVY	RDTE/Ships-Basic Research		49
	PHYSICAL OPTICS CORPORATION	California	NAVY	RDTE/Ships-Basic Research		101
	PROMETHEUS INC	Rhode Isld	NAVY	RDTE/Ships-Basic Research		60
	R G S ASSOCIATES INC	Virginia	NAVY	RDTE/Ships-Basic Research		50
	RADIX SYSTEMS INCORPORATED	Maryland	NAVY	RDTE/Ships-Basic Research		50
	REKENTHALER TECHNOLOGY ASSOC	Virginia	NAVY	RDTE/Ships-Basic Research		50
	RESEARCH INTERNATIONAL INC	Washington	NAVY	RDTE/Ships-Basic Research		49
	SATELITTE TECHNOLOGICAL SVCS	Maryland	NAVY	RDTE/Ships-Basic Research		48
	SEAKAY MANAGEMENT CORP	Conn	NAVY	RDTE/Ships-Basic Research		100
	SEAMORE INC	Florida	NAVY	RDTE/Ships-Basic Research		49
	SENTEL CORP	Virginia	NAVY	RDTE/Ships-Basic Research		50
	SIGMA GAMA LAMBDA INCORPORATED	Maryland	NAVY	RDTE/Ships-Basic Research		52

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC31 (CONTINUED)						
	SONALYSTS INC	Conn	NAVY	RDTE/Ships-Basic Research	$	135
	STANLEY ASSOCIATES INC	Virginia	NAVY	RDTE/Ships-Basic Research		49
	SYNETICS CORPORATION	Mass	NAVY	RDTE/Ships-Basic Research		100
	SYSTEMS CONTROL TECHNOLOGY	California	NAVY	RDTE/Ships-Basic Research		497
	SYSTEMS ENGINEERING ASSOCIATES	Rhode Isld	NAVY	RDTE/Ships-Basic Research		50
	TDA RESEARCH INC	Colorado	NAVY	RDTE/Ships-Basic Research		58
	TIBURON SYSTEMS INC	California	NAVY	RDTE/Ships-Basic Research		50
	TITANIUM TECHNOLOGIES INC	Texas	NAVY	RDTE/Ships-Basic Research		65
	TRIDENT SYSTEMS INC	Virginia	NAVY	RDTE/Ships-Basic Research		50
	UES INC	Ohio	NAVY	RDTE/Ships-Basic Research		48
	UNITED STATES DEPT OF ENERGY	Tennessee	NAVY	RDTE/Ships-Basic Research		200
	VERITAY TECHNOLOGY INC	New York	NAVY	RDTE/Ships-Basic Research		50
	VIASAT INC	California	NAVY	RDTE/Ships-Basic Research		50
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/Ships-Basic Research		101
	WESTINGHOUSE ELECTRIC CORP	Ohio	ARMY	RDTE/Ships-Basic Research		1,000
R&D TOTAL						7,012
AC32	A A I CORPORATION	Maryland	NAVY	RDTE/Ships-Exploratory Development		129
	ADVANCED MARINE ENTERPRISES	Virginia	NAVY	RDTE/Ships-Exploratory Development		1,900
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	NAVY	RDTE/Ships-Exploratory Development		199
	ALUMINUM COMPANY OF AMERICA	Penn	NAVY	RDTE/Ships-Exploratory Development		140
	ANALYTIC POWER CORP	Mass	NAVY	RDTE/Ships-Exploratory Development		49
	ARTECH CORP	Virginia	NAVY	RDTE/Ships-Exploratory Development		3,291
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/Ships-Exploratory Development		11,479
	BARRON ASSOCIATES INC	Virginia	NAVY	RDTE/Ships-Exploratory Development		94

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC32 (CONTINUED)					
	BROWN UNIVERSITY	Rhode Isld	NAVY	RDTE/Ships-Exploratory Development	$ 50
	CASDE CORPORATION	California	NAVY	RDTE/Ships-Exploratory Development	344
	CHICAGO BRIDGE & IRON CO	Illinois	NAVY	RDTE/Ships-Exploratory Development	118
	CREARE INC	N.H.	NAVY	RDTE/Ships-Exploratory Development	250
	EG&G WASHINGTON ANALYTICAL SVC	Maryland	NAVY	RDTE/Ships-Exploratory Development	1,517
	ENGINEERING CMPT OPTECNOMICS	Maryland	NAVY	RDTE/Ships-Exploratory Development	97
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/Ships-Exploratory Development	631
	FRACTURE TECHNOLOGY ASSOCIATES	Penn	NAVY	RDTE/Ships-Exploratory Development	40
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/Ships-Exploratory Development	211
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/Ships-Exploratory Development	242
	I A P RESEARCH INC	Ohio	NAVY	RDTE/Ships-Exploratory Development	54
	I I T RESEARCH INSTITUTE	Tennessee	NAVY	RDTE/Ships-Exploratory Development	8,795
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/Ships-Exploratory Development	70
	MAR INCORPORATED	Maryland	NAVY	RDTE/Ships-Exploratory Development	235
	MARTIN MARIETTA CORPORATION	Maryland	NAVY	RDTE/Ships-Exploratory Development	134
	MASSACHUSETTS INST OF TCHNOLOG	Mass	NAVY	RDTE/Ships-Exploratory Development	30
	NEWPORT NEWS SHPBLDING DRYDOCK	Virginia	NAVY	RDTE/Ships-Exploratory Development	87
	RAYTHEON COMPANY	Rhode Isld	NAVY	RDTE/Ships-Exploratory Development	170
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Ships-Exploratory Development	101
	SCIFERS THOMAS INC	California	NAVY	RDTE/Ships-Exploratory Development	766
	SEAWARD INTERNATIONAL	Virginia	NAVY	RDTE/Ships-Exploratory Development	518
	SOCIETE GENERALE DES TAPIS SA	GERMANY	NAVY	RDTE/Ships-Exploratory Development	2,826
	SPD TECHNOLOGIES INC	Penn	NAVY	RDTE/Ships-Exploratory Development	491
	TECHNOLOGY FINANCING INC	Virginia	NAVY	RDTE/Ships-Exploratory Development	49

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC32 (CONTINUED)						
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/Ships-Exploratory Development	$	140
	TRACOR APPLIED SCIENCES INC	Maryland	NAVY	RDTE/Ships-Exploratory Development		680
	UNIVERSITY OF ILLINOIS	Illinois	NAVY	RDTE/Ships-Exploratory Development		60
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/Ships-Exploratory Development		130
	VECTOR RESEARCH COMPANY INC	California	NAVY	RDTE/Ships-Exploratory Development		33-
		Penn	NAVY	RDTE/Ships-Exploratory Development		1,100
	CONTRACTOR TOTAL					1,067
R&D TOTAL						37,184
AC33	A A I CORPORATION	Maryland	NAVY	RDTE/Ships-Advanced Development		792
	APPLIED HYDRO ACOUSTICS RES	Maryland	NAVY	RDTE/Ships-Advanced Development		606
	APPLIED LEARNING INTERNATIONAL	Georgia	NAVY	RDTE/Ships-Advanced Development		186
	APPLIED MATHEMATICS INC	Conn	NAVY	RDTE/Ships-Advanced Development		340
	AURORA TECHNOLOGY CORPORATION	New York	NAVY	RDTE/Ships-Advanced Development		50
	BRUEL & KJAER INSTRUMENTS INC	Mass	NAVY	RDTE/Ships-Advanced Development		125
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/Ships-Advanced Development		218
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/Ships-Advanced Development		795
	GAMRY INSTRUMENTS INC	Penn	NAVY	RDTE/Ships-Advanced Development		34
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/Ships-Advanced Development		1,475
	GENERAL ELECTRIC COMPANY	Mass	NAVY	RDTE/Ships-Advanced Development		9,050
		New York	NAVY	RDTE/Ships-Advanced Development		161,603
	CONTRACTOR TOTAL					170,653
	GIBBS & COX INC	New York	NAVY	RDTE/Ships-Advanced Development		529
	INGERSOLL-RAND COMPANY	New Jersey	NAVY	RDTE/Ships-Advanced Development		800
	LIFE CYCLE ENGINEERING INC	S Carolina	NAVY	RDTE/Ships-Advanced Development		732

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC33 (CONTINUED)					
	MANTECH INTERNATIONAL CORP	New Mexico	NAVY	RDTE/Ships-Advanced Development	$ 947
		Virginia	NAVY	RDTE/Ships-Advanced Development	55
	CONTRACTOR TOTAL				1,002
	MAR INCORPORATED	Maryland	NAVY	RDTE/Ships-Advanced Development	132
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/Ships-Advanced Development	41
	NATIVE AMERICAN CONSULTANTS	D.C.	NAVY	RDTE/Ships-Advanced Development	4,542
	NEWPORT NEWS SHPBLDING DRYDOCK	Virginia	NAVY	RDTE/Ships-Advanced Development	1,138
	NORTHWEST RESEARCH ASSOC JV	Washington	NAVY	RDTE/Ships-Advanced Development	588
	OCEAN SYSTEMS RESEARCH INC	Maryland	NAVY	RDTE/Ships-Advanced Development	50
	PARAMAX SYSTEMS CORP	New York	NAVY	RDTE/Ships-Advanced Development	2,750
	RAYTHEON COMPANY	Mass	NAVY	RDTE/Ships-Advanced Development	57
	RESEARCH MANAGEMENT CONS	Virginia	NAVY	RDTE/Ships-Advanced Development	2,690
	SOMAT CORPORATION	Penn	NAVY	RDTE/Ships-Advanced Development	154
	SPARTON CORPORATION	Michigan	NAVY	RDTE/Ships-Advanced Development	2,431
	TRACOR APPLIED SCIENCES INC	Maryland	NAVY	RDTE/Ships-Advanced Development	45
	VECTOR RESEARCH COMPANY INC	Georgia	NAVY	RDTE/Ships-Advanced Development	147
		Maryland	NAVY	RDTE/Ships-Advanced Development	3,843
	CONTRACTOR TOTAL				3,990
	WESTINGHOUSE ELECTRIC CORP	California	NAVY	RDTE/Ships-Advanced Development	25,764
		Penn	NAVY	RDTE/Ships-Advanced Development	227,695
	CONTRACTOR TOTAL				253,459
R&D TOTAL					450,404
AC34	CASDE CORPORATION	Virginia	NAVY	RDTE/Ships-Engineering Development	2,515
	DATA-DESIGN LABORATORIES INC	Idaho	NAVY	RDTE/Ships-Engineering Development	81

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC34 (CONTINUED)					
		Virginia	NAVY	RDTE/Ships-Engineering Development	$ 2,205
	CONTRACTOR TOTAL				2,286
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/Ships-Engineering Development	150
	E M L RESEARCH	Mass	NAVY	RDTE/Ships-Engineering Development	142
	GENERAL DYNAMICS CORPORATION	California	NAVY	RDTE/Ships-Engineering Development	13,285
		Conn	NAVY	RDTE/Ships-Engineering Development	42,956
		Virginia	NAVY	RDTE/Ships-Engineering Development	655
	CONTRACTOR TOTAL				56,896
	GOODRICH B F COMPANY THE	Florida	NAVY	RDTE/Ships-Engineering Development	188
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/Ships-Engineering Development	1,700
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Ships-Engineering Development	3,603
	LIBRASCOPE CORPORATION	California	NAVY	RDTE/Ships-Engineering Development	175
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/Ships-Engineering Development	28
	NEWPORT NEWS SHPBLDING DRYDOCK	Virginia	NAVY	RDTE/Ships-Engineering Development	3,509
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Ships-Engineering Development	50
	SPERRY MARINE INC	Virginia	NAVY	RDTE/Ships-Engineering Development	500
	SYSTEM PLANNING CORPORATION	California	NAVY	RDTE/Ships-Engineering Development	742
	T CARROLL ASSOCIATES INC	Maryland	NAVY	RDTE/Ships-Engineering Development	50
	VECTOR RESEARCH COMPANY INC	California	NAVY	RDTE/Ships-Engineering Development	100
		IJaho	NAVY	RDTE/Ships-Engineering Development	200
		Virginia	NAVY	RDTE/Ships-Engineering Development	859
	CONTRACTOR TOTAL				1,159
R&D TOTAL					73,693
AC35	CANADIAN COMMERCIAL CORPORATI	CANADA	NAVY	RDTE/Ships-Op Systems Development	54

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC35 (CONTINUED)						
	DATA DESIGN LABORATORIES	Conn	NAVY	RDTE/Ships-Op Systems Development	$	61
	E M L RESEARCH	Mass	NAVY	RDTE/Ships-Op Systems Development		350
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/Ships-Cp Systems Development		5,191
	GEO CENTERS INC	Mass	NAVY	RDTE/Ships-Op Systems Development		200
	GEO-CENTERS INC	Mass	NAVY	RDTE/Ships-Op Systems Development		100
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Ships-Op Systems Development		34
	INNERSPACE TECHNOLOGY INC	New Jersey	NAVY	RDTE/Ships-Op Systems Development		30
	LEXA INTERNATIONAL CORPORATION	Mass	NAVY	RDTE/Ships-Op Systems Development		1,993
	OCEAN DATA EQUIPMENT CORP	Mass	NAVY	RDTE/Ships-Op Systems Development		38
	SIPPICAN INC	Mass	NAVY	RDTE/Ships-Op Systems Development		47
	SPEARS PROF ENVRN ARCH RS SV	Georgia	NAVY	RDTE/Ships-Op Systems Development		70
	TECHNOLOGY FINANCING INC	Virginia	NAVY	RDTE/Ships-Op Systems Development		35-
	TELOGY INC	California	NAVY	RDTE/Ships-Op Systems Development		40
	UNITEC SYSTEMS INC	California	NAVY	RDTE/Ships-Op Systems Development		37
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/Ships-Op Systems Development		5,814
	VITRO CORPORATION	Maryland	NAVY	RDTE/Ships-Op Systems Development		150
R&D TOTAL						14,175
AC36	ATACS CORPORATION	Virginia	NAVY	RDTE/Ships-Management & Support		158
	CBI NA CON INC	Georgia	NAVY	RDTE/Ships-Management & Support		1,068
	GENERAL ELECTRIC COMPANY	Florida	NAVY	RDTE/Ships-Management & Support		385
	PETERSON BUILDERS INC	Wisconsin	NAVY	RDTE/Ships-Management & Support		438
	S F A INC	Maryland	NAVY	RDTE/Ships-Management & Support		177
	SYSTEM PLANNING CORPORATION	Virginia	NAVY	RDTE/Ships-Management & Support		1,066
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/Ships-Management & Support		2,591

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
R&D TOTAL					$ 5,883
AC41	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/Tank - Automotive-Basic Research	168
	GENERAL DYNAMICS FMC CORP JV	Michigan	ARMY	RDTE/Tank - Automotive-Basic Research	60
	GENERAL MOTORS CORPORATION	Michigan	ARMY	RDTE/Tank - Automotive-Basic Research	168
	GONZALEZ DESIGN ENGRG CO	Michigan	ARMY	RDTE/Tank - Automotive-Basic Research	142
	GOODYEAR TIRE & RUBBER CO THE	Ohio	ARMY	RDTE/Tank - Automotive-Basic Research	84
	LICA SYSTEMS INC	Virginia	ARMY	RDTE/Tank - Automotive-Basic Research	66
	PRINCETON SCIENTIFIC INSTRS	New Jersey	ARMY	RDTE/Tank - Automotive-Basic Research	77
	VECTOR RESEARCH COMPANY INC	W Virginia	NAVY	RDTE/Tank - Automotive-Basic Research	278
R&D TOTAL					1,042
AC42	ADIABATICS INCORPORATED	Indiana	ARMY	RDTE/Tank - Automotive-Exploratory Develop	100
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/Tank - Automotive-Exploratory Develop	367
	AUTOMATED ANALYSIS CORPORATION	Michigan	ARMY	RDTE/Tank - Automotive-Exploratory Develop	98
	AVCO CORPORATION	Conn	ARMY	RDTE/Tank - Automotive-Exploratory Develop	313
	BENTHOS INC	Mass	ARMY	RDTE/Tank - Automotive-Exploratory Develop	48
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/Tank - Automotive-Exploratory Develop	201
	CANADIAN COMMERCIAL CORPORATI	CANADA	ARMY	RDTE/Tank - Automotive-Exploratory Develop	94
	CARNEGIE MELLON UNIVERSITY	Penn	ARMY	RDTE/Tank - Automotive-Exploratory Develop	697
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/Tank - Automotive-Exploratory Develop	772
	CATERPILLAR INC	Illinois	ARMY	RDTE/Tank - Automotive-Exploratory Develop	250
	COLSA INC	Alabama	ARMY	RDTE/Tank - Automotive-Exploratory Develop	275
	CUMMINS ENGINE COMPANY INC	Indiana	ARMY	RDTE/Tank - Automotive-Exploratory Develop	1,674
	CYBERNET SYSTEMS CORP	Michigan	ARMY	RDTE/Tank - Automotive-Exploratory Develop	403
	DAMILIC CORP	Maryland	ARMY	RDTE/Tank - Automotive-Exploratory Develop	47
	DEERE & COMPANY	New Jersey	NAVY	RDTE/Tank - Automotive-Exploratory Develop	10,619

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC42 (CONTINUED)					
	DELTA INFORMATION SYSTEMS	Penn	ARMY	RDTE/Tank - Automotive-Exploratory Develop	$ 80
	DIESEL PROPULSION, SA	FRANCE	ARMY	RDTE/Tank - Automotive-Exploratory Develop	457
	DYNETICS INC	Alabama	ARMY	RDTE/Tank - Automotive-Exploratory Develop	245
	EASTPORT INTERNATIONAL INC	Maryland	NAVY	RDTE/Tank - Automotive-Exploratory Develop	49
	FMC CORPORATION	California	NAVY	RDTE/Tank - Automotive-Exploratory Develop	7,232
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/Tank - Automotive-Exploratory Develop	41,402
			NAVY	RDTE/Tank - Automotive-Exploratory Develop	7,815
		STATE TOTAL			49,217
	JJM SYSTEMS INC	Penn	NAVY	RDTE/Tank - Automotive-Exploratory Develop	784
	LANDMARK MANUFACTURING CORP	Missouri	ARMY	RDTE/Tank - Automotive-Exploratory Develop	26
	MASCO CORPORATION	New York	ARMY	RDTE/Tank - Automotive-Exploratory Develop	719
	MCDONNELL DOUGLAS CORPORATION	Missouri	ARMY	RDTE/Tank - Automotive-Exploratory Develop	521
	MICHIGAN TCHNLGCAL UNIVERSITY	Michigan	ARMY	RDTE/Tank - Automotive-Exploratory Develop	170
	MICHIGAN TECHNOLOGICAL UNIV	Michigan	ARMY	RDTE/Tank - Automotive-Exploratory Develop	869
	NORTHROP CORPORATION	California	ARMY	RDTE/Tank - Automotive-Exploratory Develop	53
	ODETICS INC	California	ARMY	RDTE/Tank - Automotive-Exploratory Develop	29
	OPTIMETRICS INC	Michigan	ARMY	RDTE/Tank - Automotive-Exploratory Develop	485
	PHOTRONICS CORP	New York	ARMY	RDTE/Tank - Automotive-Exploratory Develop	126
	PHYSICAL OPTICS CORPORATION	California	ARMY	RDTE/Tank - Automotive-Exploratory Develop	243
	R C ASSOCIATES	Mass	ARMY	RDTE/Tank - Automotive-Exploratory Develop	41
	REDZONE ROBOTICS INC	Penn	ARMY	RDTE/Tank - Automotive-Exploratory Develop	477
	SURFACES RESEARCH AND APPLICAT	Kansas	ARMY	RDTE/Tank - Automotive-Exploratory Develop	48
	SURVICE ENGINEERING CO INC	Maryland	ARMY	RDTE/Tank - Automotive-Exploratory Develop	207
	TECHNOLOGY INTERNATIONAL INC	Louisiana	ARMY	RDTE/Tank - Automotive-Exploratory Develop	76

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC42 (CONTINUED)					
	TELEDYNE INDUSTRIES INC	Michigan	ARMY	RDTE/Tank - Automotive-Exploratory Develop	$ 190
	TRANSITIONS RESEARCH CORP	Conn	ARMY	RDTE/Tank - Automotive-Exploratory Develop	119
	VIASAT INC	California	ARMY	RDTE/Tank - Automotive-Exploratory Develop	250
	R&D TOTAL				78,670
AC43	A A I CORPORATION	Maryland	ARMY	RDTE/Tank - Automotive-Advanced Developmen	294
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/Tank - Automotive-Advanced Developmen	300
	CANADIAN COMMERCIAL CORPORATI	CANADA	ARMY	RDTE/Tank - Automotive-Advanced Developmen	285
	DOW CHEMICAL COMPANY THE	Michigan	ARMY	RDTE/Tank - Automotive-Advanced Developmen	370
	FMC CORPORATION	California	ARMY	RDTE/Tank - Automotive-Advanced Developmen	29,622
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/Tank - Automotive-Advanced Developmen	1,386
	GENERAL DYNAMICS FMC CORP JV	Michigan	ARMY	RDTE/Tank - Automotive-Advanced Developmen	4,656
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Tank - Automotive-Advanced Developmen	148
	LORAL VOUGHT SYSTEMS	Texas	ARMY	RDTE/Tank - Automotive-Advanced Developmen	833
	TELEDYNE INDUSTRIES INC	Michigan	ARMY	RDTE/Tank - Automotive-Advanced Developmen	248
	R&D TOTAL				38,140
AC44	AM GENERAL CORPORATION	Michigan	ARMY	RDTE/Tank - Automotive-Engr Development	378
	ASTRON CORPORATION	Virginia	NAVY	RDTE/Tank - Automotive-Engr Development	50
	CASDE CORPORATION	California	NAVY	RDTE/Tank - Automotive-Engr Development	2,276
	FMC CORPORATION	California	ARMY	RDTE/Tank - Automotive-Engr Development	34,975
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/Tank - Automotive-Engr Development	51,780
	GENERAL DYNAMICS FMC CORP JV	Michigan	ARMY	RDTE/Tank - Automotive-Engr Development	89,801
	GENERAL ELECTRIC COMPANY	Vermont	ARMY	RDTE/Tank - Automotive-Engr Development	9,154
	GONZALEZ DESIGN ENGRG CO	Michigan	ARMY	RDTE/Tank - Automotive-Engr Development	49
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Tank - Automotive-Engr Development	250

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC44 (CONTINUED)						
	KINETIC SYSTEMS	California	ARMY	RDTE/Tank - Automotive-Engr Development	$	250
	MECHANICAL TECHNOLOGY INC	New York	ARMY	RDTE/Tank - Automotive-Engr Development		639
	NIEHOFF C E & CO INC	Illinois	ARMY	RDTE/Tank - Automotive-Engr Development		219
	NORTHERN INDUSTRIAL SERVICES	New York	ARMY	RDTE/Tank - Automotive-Engr Development		728
	OSHKOSH TRUCK CORP	Wisconsin	ARMY	RDTE/Tank - Automotive-Engr Development		650
	PENTASTAR ELECTRONICS INC	Alabama	ARMY	RDTE/Tank - Automotive-Engr Development		3,189
	PHYSICS MATHEMATICS & COMPUTER	New Mexico	ARMY	RDTE/Tank - Automotive-Engr Development		306
	PRECISION COMBUSTION INC	Conn	ARMY	RDTE/Tank - Automotive-Engr Development		511
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/Tank - Automotive-Engr Development		71
	SPEARS ASSOCIATES INC	Mass	NAVY	RDTE/Tank - Automotive-Engr Development		69
	SUDBURY INC	Illinois	ARMY	RDTE/Tank - Automotive-Engr Development		95
	TELEDYNE INDUSTRIES INC	Michigan	ARMY	RDTE/Tank - Automotive-Engr Development		117,180
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/Tank - Automotive-Engr Development		671
	VSE CORPORATION	Virginia	ARMY	RDTE/Tank - Automotive-Engr Development		863
	WILCOX JOHN P	Ohio	ARMY	RDTE/Tank - Automotive-Engr Development		60
R&D TOTAL						294,215
AC45	AM GENERAL CORPORATION	Michigan	ARMY	RDTE/Tank - Automotive-Op Systems Developm		1,855
	DETROIT DIESEL CORP	Michigan	ARMY	RDTE/Tank - Automotive-Op Systems Developm		265
	HARSCO CORPORATION	Penn	ARMY	RDTE/Tank - Automotive-Op Systems Developm		9,108
	MASCO CORPORATION	New York	ARMY	RDTE/Tank - Automotive-Op Systems Developm		135
	TELEDYNE INDUSTRIES INC	Michigan	ARMY	RDTE/Tank - Automotive-Op Systems Developm		943
	UNIVERSITY OF MASSACHUSETTS	Mass	ARMY	RDTE/Tank - Automotive-Op Systems Developm		1,080
	VSE CORPORATION	Virginia	ARMY	RDTE/Tank - Automotive-Op Systems Developm		1,910
	WAYNE STATE UNIVERSITY	Michigan	ARMY	RDTE/Tank - Automotive-Op Systems Developm		40

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 15,335
AC46	DCS CORPORATION	Virginia	ARMY	RDTE/Tank - Automotive-Management & Suppor	600
	FERRULMATIC INC	New Jersey	ARMY	RDTE/Tank - Automotive-Management & Suppor	812
	MERCER UNIVERSITY	Georgia	USAF	RDTE/Tank - Automotive-Management & Suppor	1,150
	TRW INC	California	ARMY	RDTE/Tank - Automotive-Management & Suppor	6,335
	R&D TOTAL				8,898
AC51	ABTECH CORPORATION	Virginia	ARMY	RDTE/Weapons-Basic Research	50
	ALLIANT TECHSYSTEMS INC	Minnesota	USAF	RDTE/Weapons-Basic Research	649
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/Weapons-Basic Research	62
	DYNA EAST CORPORATION	Penn	USAF	RDTE/Weapons-Basic Research	48
	E M L RESEARCH	Mass	NAVY	RDTE/Weapons-Basic Research	56
	ILLINOIS INST OF TECH	Illinois	ARMY	RDTE/Weapons-Basic Research	146
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/Weapons-Basic Research	232
	MARTINGALE RESEARCH CORP	Texas	ARMY	RDTE/Weapons-Basic Research	300
	MASSACHUSETTS INST OF TCHNOLOG	Mass	USAF	RDTE/Weapons-Basic Research	29
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/Weapons-Basic Research	30
	NORTH CAROLINA A&T FOUND	N Carolina	ARMY	RDTE/Weapons-Basic Research	487
	OPTICS 1 INC	California	USAF	RDTE/Weapons-Basic Research	283
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/Weapons-Basic Research	95
	POINT INDUSTRIES CORP	New York	ARMY	RDTE/Weapons-Basic Research	224
	QUANTIC INDUSTRIES INC	California	USAF	RDTE/Weapons-Basic Research	48
	R & D ASSOCIATES	New Mexico	USAF	RDTE/Weapons-Basic Research	73
	REMINGTON ARMS COMPANY INC	New York	ARMY	RDTE/Weapons-Basic Research	218
	ROCKWELL INTERNATIONAL CORP	Georgia	ARMY	RDTE/Weapons-Basic Research	446
	ROCKWELL POWER SYSTEMS	New Mexico	USAF	RDTE/Weapons-Basic Research	39

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC51 (CONTINUED)						
	SCIENCE APPLICATIONS INTL CORP	New Mexico	USAF	RDTE/Weapons-Basic Research	$	144
	T P L INC	New Mexico	ARMY	RDTE/Weapons-Basic Research		108
	TECHNICAL SOLUTIONS INC	New Mexico	ARMY	RDTE/Weapons-Basic Research		1,289
	TECHNO SCIENCES INC	Maryland	ARMY	RDTE/Weapons-Basic Research		50
	TPL COMMUNICATIONS	New Mexico	USAF	RDTE/Weapons-Basic Research		56
	UNIVERSITY OF DETROIT MERCY	Michigan	ARMY	RDTE/Weapons-Basic Research		97
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Weapons-Basic Research		338-
	UNIVERSITY OF TEXAS AT AUSTIN	Texas	ARMY	RDTE/Weapons-Basic Research		550
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/Weapons-Basic Research		6,481
	ZEREN RESEARCH	New Jersey	ARMY	RDTE/Weapons-Basic Research		54
	R&D TOTAL					12,004
AC52	A A I CORPORATION	Maryland	USAF	RDTE/Weapons-Exploratory Development		370
	AEROSPACE CORP INC	California	USAF	RDTE/Weapons-Exploratory Development		50
	ALLIANT TECHSYSTEMS INC	Minnesota	USAF	RDTE/Weapons-Exploratory Development		437
		Wisconsin	NAVY	RDTE/Weapons-Exploratory Development		559
	CONTRACTOR TOTAL					996
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/Weapons-Exploratory Development		923
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/Weapons-Exploratory Development		135
	AVCO CORPORATION	Mass	ARMY	RDTE/Weapons-Exploratory Development		8,500
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/Weapons-Exploratory Development		67
			USAF	RDTE/Weapons-Exploratory Development		300
	STATE TOTAL					367
	BDM INTERNATIONAL INC	Alabama	NAVY	RDTE/Weapons-Exploratory Development		131
	BOEING COMPANY THE	Washington	USAF	RDTE/Weapons-Exploratory Development		45

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC52 (CONTINUED)						
	COLEMAN RESEARCH CORPORATION	Florida	USAF	RDTE/Weapons-Exploratory Development	$	101
		Virginia	USAF	RDTE/Weapons-Exploratory Development		49
	CONTRACTOR TOTAL					150
	COLORADO SEMINARY	Colorado	NAVY	RDTE/Weapons-Exploratory Development		890
	COMPUTATIONAL MECHANICS CORP	Tennessee	ARMY	RDTE/Weapons-Exploratory Development		294
	DEFENSE DIAMOND DEV CO J/V	Mass	NAVY	RDTE/Weapons-Exploratory Development		178
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/Weapons-Exploratory Development		1,040
	DYNACS ENGINEERING CO INC	Florida	USAF	RDTE/Weapons-Exploratory Development		713
	ELECTRO-OPTEK CORPORATION	California	USAF	RDTE/Weapons-Exploratory Development		98
	ENSCO INC	Virginia	USAF	RDTE/Weapons-Exploratory Development		250
	FIORE INDUSTRIES INC	New Mexico	USAF	RDTE/Weapons-Exploratory Development		130
	FMC CORPORATION	Minnesota	ARMY	RDTE/Weapons-Exploratory Development		696
	FRIED D L ASSOCIATES INC	California	USAF	RDTE/Weapons-Exploratory Development		1,616
	GENERAL ATOMICS	California	ARMY	RDTE/Weapons-Exploratory Development		289
		New Mexico	USAF	RDTE/Weapons-Exploratory Development		418
	CONTRACTOR TOTAL					707
	GENERAL ELECTRIC COMPANY	Vermont	ARMY	RDTE/Weapons-Exploratory Development		1,504
			USAF	RDTE/Weapons-Exploratory Development		521
	STATE TOTAL					2,025
	HARRIS CORPORATION	Florida	USAF	RDTE/Weapons-Exploratory Development		155
	HONEYWELL INC	Minnesota	USAF	RDTE/Weapons-Exploratory Development		1,968
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Weapons-Exploratory Development		88
	JAYCOR	California	USAF	RDTE/Weapons-Exploratory Development		95
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/Weapons-Exploratory Development		50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC52 (CONTINUED)					
	LANDEC CORPORATION	California	USAF	RDTE/Weapons-Exploratory Development	$ 245
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Weapons-Exploratory Development	183
	LORAL CORP	Arizona	USAF	RDTE/Weapons-Exploratory Development	1,517
		California	NAVY	RDTE/Weapons-Exploratory Development	8,748
	CONTRACTOR TOTAL				10,265
	LORAL VOUGHT SYSTEMS	Texas	ARMY	RDTE/Weapons-Exploratory Development	759
	MACH I INC	Penn	USAF	RDTE/Weapons-Exploratory Development	224
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Weapons-Exploratory Development	123
		Florida	ARMY	RDTE/Weapons-Exploratory Development	300
			NAVY	RDTE/Weapons-Exploratory Development	28
		STATE TOTAL			328
		Maryland	NAVY	RDTE/Weapons-Exploratory Development	115-
	CONTRACTOR TOTAL				336
	MAXWELL LABORATORIES INC	California	USAF	RDTE/Weapons-Exploratory Development	2,884
		Virginia	USAF	RDTE/Weapons-Exploratory Development	240
	CONTRACTOR TOTAL				3,124
	MCDONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/Weapons-Exploratory Development	611
	MCDONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/Weapons-Exploratory Development	517
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/Weapons-Exploratory Development	1,003
		New Mexico	ARMY	RDTE/Weapons-Exploratory Development	160
			USAF	RDTE/Weapons-Exploratory Development	586
		STATE TOTAL			745
	CONTRACTOR TOTAL				1,748
	MOTOROLA INC	Arizona	USAF	RDTE/Weapons-Exploratory Development	8,186
	NEW MEXICO INST OF MIN TCHNLGY	New Mexico	NAVY	RDTE/Weapons-Exploratory Development	1,244

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC52 (CONTINUED)						
	NOMURA ENTERPRISE INC	New Jersey	ARMY	RDTE/Weapons-Exploratory Development	$	400
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/Weapons-Exploratory Development		31
	OPTO-KNOWLEDGE SYSTEMS INC	California	USAF	RDTE/Weapons-Exploratory Development		471
	ORLANDO TECHNOLOGY INC	Florida	NAVY	RDTE/Weapons-Exploratory Development		212
	PAI RESEARCH LTD	Maryland	USAF	RDTE/Weapons-Exploratory Development		50
	PARADIGM INC	Virginia	USAF	RDTE/Weapons-Exploratory Development		48
	PHYSICS INTERNATIONAL COMPANY	California	NAVY	RDTE/Weapons-Exploratory Development		270
	POWER SPECTRA INC	California	USAF	RDTE/Weapons-Exploratory Development		56
	PULSE SCIENCES INC	California	NAVY	RDTE/Weapons-Exploratory Development		1,026
	R & D ASSOCIATES	California	USAF	RDTE/Weapons-Exploratory Development		30
		New Mexico	USAF	RDTE/Weapons-Exploratory Development		2,056
	CONTRACTOR TOTAL					2,086
	RAYTHEON COMPANY	Mass	NAVY	RDTE/Weapons-Exploratory Development		449
			USAF	RDTE/Weapons-Exploratory Development		737
		STATE TOTAL				1,186
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Weapons-Exploratory Development		150
	SCHAFER W J ASSOCIATES INC	Mass	USAF	RDTE/Weapons-Exploratory Development		630
	SCIENCE & ENGINEERING ASSOC	New Mexico	USAF	RDTE/Weapons-Exploratory Development		600
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/Weapons-Exploratory Development		972
			USAF	RDTE/Weapons-Exploratory Development		375
		STATE TOTAL				1,347
	SPARTA INC	California	ARMY	RDTE/Weapons-Exploratory Development		46
	SPECTRA TECHNOLOGY INC	Washington	USAF	RDTE/Weapons-Exploratory Development		54
	SPIRE CORPORATION	Mass	USAF	RDTE/Weapons-Exploratory Development		50
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/Weapons-Exploratory Development		129

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC52 (CONTINUED)					
	TECHNICAL CERAMICS LABS	Georgia	NAVY	RDTE/Weapons-Exploratory Development	$ 46
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/Weapons-Exploratory Development	489
	THIOKOL CORPORATION	Maryland	NAVY	RDTE/Weapons-Exploratory Development	34
		Utah	USAF	RDTE/Weapons-Exploratory Development	316
	CONTRACTOR TOTAL				350
	TRW INC	New Mexico	USAF	RDTE/Weapons-Exploratory Development	106
	UNITED TECHNOLOGIES CORP	Florida	USAF	RDTE/Weapons-Exploratory Development	260
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/Weapons-Exploratory Development	121
	UNIVERSITY OF KENTUCKY	Kentucky	USAF	RDTE/Weapons-Exploratory Development	104
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Weapons-Exploratory Development	572
	UNIVERSITY OF PITTSBURGH	Penn	USAF	RDTE/Weapons-Exploratory Development	29
	UNIVERSITY OF TEXAS AT AUSTIN	Texas	ARMY	RDTE/Weapons-Exploratory Development	670
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/Weapons-Exploratory Development	409
	UNIVERSITY OF WATERLOO	CANADA	USAF	RDTE/Weapons-Exploratory Development	80
R&D	TOTAL				62,181
AC53	ACUREX CORPORATION	Ohio	USAF	RDTE/Weapons-Advanced Development	650
	ADAPTIVE OPTICS ASSOCIATES	New Mexico	USAF	RDTE/Weapons-Advanced Development	414
	ADVANCED ENERGETIC MATERIALS	Virginia	NAVY	RDTE/Weapons-Advanced Development	350
	ADVANCED TECHNOLOGY & RESEARCH	Virginia	NAVY	RDTE/Weapons-Advanced Development	136
	AEROJET	California	USAF	RDTE/Weapons-Advanced Development	100
	AMERICAN TELEPHONE & TELG CO	N Carolina	NAVY	RDTE/Weapons-Advanced Development	26,600
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/Weapons-Advanced Development	743
	ATLANTIC RESEARCH CORPORATION	Arkansas	USAF	RDTE/Weapons-Advanced Development	176
	AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/Weapons-Advanced Development	3,200

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC53 (CONTINUED)						
	BALL CORPORATION	Colorado	USAF	RDTE/Weapons-Advanced Development	$	407
		New Mexico	USAF	RDTE/Weapons-Advanced Development		433
	CONTRACTOR TOTAL					840
	BATTELLE DEVELOPMENT CORP	Ohio	NAVY	RDTE/Weapons-Advanced Development		141
	BDM INTERNATIONAL INC	New Mexico	USAF	RDTE/Weapons-Advanced Development		3,143
	BOEING COMPANY THE	Alabama	USAF	RDTE/Weapons-Advanced Development		87-
		Washington	USAF	RDTE/Weapons-Advanced Development		40
	CONTRACTOR TOTAL					47-
	BOLT BERANEK & NEWMAN INC	California	NAVY	RDTE/Weapons-Advanced Development		1,036
	BOOZ ALLEN & HAMILTON INC	New Mexico	USAF	RDTE/Weapons-Advanced Development		434
	COMPUTER SCIENCES CORPORATION	New Mexico	USAF	RDTE/Weapons-Advanced Development		1,300
	CONTRAVES USA INC	Penn	USAF	RDTE/Weapons-Advanced Development		8,381
	CORREA ENTERPRISES INC	New Mexico	USAF	RDTE/Weapons-Advanced Development		484
	DAVID SARNOFF RESEARCH CENTER	New Jersey	USAF	RDTE/Weapons-Advanced Development		777
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/Weapons-Advanced Development		2,703
	E M L RESEARCH	Mass	NAVY	RDTE/Weapons-Advanced Development		100
	EDO CORPORATION	New York	USAF	RDTE/Weapons-Advanced Development		600
	ELBIT SYSTEMS OF AMERICA	Michigan	USAF	RDTE/Weapons-Advanced Development		295
	FIORE INDUSTRIES INC	New Mexico	USAF	RDTE/Weapons-Advanced Development		2,264
	FMC CORPORATION	Minnesota	NAVY	RDTE/Weapons-Advanced Development		2,425
	GCD ASSOCIATES	New Mexico	USAF	RDTE/Weapons-Advanced Development		339
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Weapons-Advanced Development		70-
	GENERAL ELECTRIC COMPANY	Penn	NAVY	RDTE/Weapons-Advanced Development		5,866
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/Weapons-Advanced Development		430

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC53 (CONTINUED)						
	HARRIS CORPORATION	Florida	USAF	RDTE/Weapons-Advanced Development	$	1,845
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Weapons-Advanced Development		148
	HUGHES DANBURY OPTICAL SYSTEMS	Conn	USAF	RDTE/Weapons-Advanced Development		739
	I R T CORPORATION	California	USAF	RDTE/Weapons-Advanced Development		9,020
	KAMAN CORPORATION	Conn	USAF	RDTE/Weapons-Advanced Development		81
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/Weapons-Advanced Development		3,236
	KTECH CORPORATION	New Mexico	USAF	RDTE/Weapons-Advanced Development		377
	LITTON SYSTEMS INC	Mass	USAF	RDTE/Weapons-Advanced Development		2,252
	LOCKHEED AERONAUTICAL SYS CO	Georgia	USAF	RDTE/Weapons-Advanced Development		100
	LOCKHEED CORPORATION	California	USAF	RDTE/Weapons-Advanced Development		40
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Weapons-Advanced Development		2,777
		New Mexico	USAF	RDTE/Weapons-Advanced Development		4,032
	CONTRACTOR TOTAL					6,809
	LORAL AEROSPACE CORP	California	NAVY	RDTE/Weapons-Advanced Development		2,330
	LORAL CORP	California	NAVY	RDTE/Weapons-Advanced Development		2,969
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/Weapons-Advanced Development		114-
	MAXWELL LABORATORIES INC	California	USAF	RDTE/Weapons-Advanced Development		30
	MCDONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/Weapons-Advanced Development		1,100
	MERIT TECHNOLOGY INC	Texas	USAF	RDTE/Weapons-Advanced Development		52
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/Weapons-Advanced Development		1,410
		New Mexico	USAF	RDTE/Weapons-Advanced Development		3,033
	CONTRACTOR TOTAL					4,443
	OREGON GRAD CTR STUDY RESEARCH	Oregon	USAF	RDTE/Weapons-Advanced Development		32
	POWER SPECTRA INC	California	USAF	RDTE/Weapons-Advanced Development		726

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)					
	PRC INC	New Mexico	USAF	RDTE/Weapons-Advanced Development	$ 145
	R & D ASSOCIATES	Colorado	USAF	RDTE/Weapons-Advanced Development	250
		New Mexico	USAF	RDTE/Weapons-Advanced Development	8,598
	CONTRACTOR TOTAL				8,848
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Weapons-Advanced Development	2,183
	ROCKWELL POWER SYSTEMS	New Mexico	USAF	RDTE/Weapons-Advanced Development	5,916
	S SYSTEMS CORPORATION	New Mexico	USAF	RDTE/Weapons-Advanced Development	6,626
	SCHAFER W J ASSOCIATES INC	Mass	USAF	RDTE/Weapons-Advanced Development	1,603
	SCI TEC INC	New Jersey	USAF	RDTE/Weapons-Advanced Development	350
	SCIENCE & ENGINEERING ASSOC	New Mexico	USAF	RDTE/Weapons-Advanced Development	63
	SCIENCE APPLICATIONS INTL CORP	New Mexico	USAF	RDTE/Weapons-Advanced Development	4,313
	SPECTRA DIODE LABORATORIES	California	USAF	RDTE/Weapons-Advanced Development	557
	SPECTRA TECHNOLOGY INC	Washington	USAF	RDTE/Weapons-Advanced Development	182
	SUMMA TECHNOLOGY INC	Alabama	ARMY	RDTE/Weapons-Advanced Development	4,973
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/Weapons-Advanced Development	598
	TRS CERAMICS INC	Penn	USAF	RDTE/Weapons-Advanced Development	49
	TRW INC	California	ARMY	RDTE/Weapons-Advanced Development	3,773
			USAF	RDTE/Weapons-Advanced Development	3,017
		STATE TOTAL			6,790
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/Weapons-Advanced Development	411
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/Weapons-Advanced Development	646
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/Weapons-Advanced Development	340
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Weapons-Advanced Development	2,354
	UNIVERSITY OF SOUTH FLORIDA	Florida	USAF	RDTE/Weapons-Advanced Development	300

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)					
	VOSS SCIENTIFIC	New Mexico	USAF	RDTE/Weapons-Advanced Development	$ 50
	WOODS HOLE OCEANOGRAPHIC INST	Mass	NAVY	RDTE/Weapons-Advanced Development	29
	WYLE LABORATORIES	California	USAF	RDTE/Weapons-Advanced Development	73
R&D TOTAL					147,427
AC54	ADEC INTL AUTOMTN CORP	Penn	ARMY	RDTE/Weapons-Engineering Development	39
	ALLIANT TECHSYSTEMS INC	California	NAVY	RDTE/Weapons-Engineering Development	4,530
		Minnesota	NAVY	RDTE/Weapons-Engineering Development	4,155
	CONTRACTOR TOTAL				8,686
	ARINC RESEARCH CORPORATION	California	NAVY	RDTE/Weapons-Engineering Development	4,472
		Maryland	NAVY	RDTE/Weapons-Engineering Development	333
	CONTRACTOR TOTAL				4,854
	AUBURN UNIVERSITY	Alabama	USAF	RDTE/Weapons-Engineering Development	190
	AVCO CORPORATION	Mass	USAF	RDTE/Weapons-Engineering Development	21,951
	BDM MANAGEMENT SERVICES CO	New Mexico	USAF	RDTE/Weapons-Engineering Development	64
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/Weapons-Engineering Development	886
		New Mexico	USAF	RDTE/Weapons-Engineering Development	285
	CONTRACTOR TOTAL				1,171
	DATATEC INC FORT WALTON BEACH	Florida	NAVY	RDTE/Weapons-Engineering Development	76
	DYNAMAC CORPORATION	Maryland	NAVY	RDTE/Weapons-Engineering Development	64-
	ELECTRONIC COMPONENT SALES	Virginia	NAVY	RDTE/Weapons-Engineering Development	128
	FMC CORPORATION	California	ARMY	RDTE/Weapons-Engineering Development	3,416
	GEC AVIONICS LTD	California	USAF	RDTE/Weapons-Engineering Development	400
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Weapons-Engineering Development	1,891
		Michigan	ARMY	RDTE/Weapons-Engineering Development	3,860

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC54 (CONTINUED)					
	CONTRACTOR TOTAL				$ 5,751
	GOODRICH B F COMPANY THE	Florida	NAVY	RDTE/Weapons-Engineering Development	30
	HARSCO CORPORATION	Penn	ARMY	RDTE/Weapons-Engineering Development	24,884
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/Weapons-Engineering Development	402,408
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/Weapons-Engineering Development	1,019
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/Weapons-Engineering Development	705
	ORION INTERNATIONAL TECH	New Mexico	USAF	RDTE/Weapons-Engineering Development	411
	PACER SYSTEMS INC	Florida	NAVY	RDTE/Weapons-Engineering Development	5,044
	PRC INC	New Mexico	USAF	RDTE/Weapons-Engineering Development	369
	R & D ASSOCIATES	California	USAF	RDTE/Weapons-Engineering Development	92
	RAM SYSTEM GMBH	GERMANY	NAVY	RDTE/Weapons-Engineering Development	3,962
	RAYTHEON COMPANY	Mass	NAVY	RDTE/Weapons-Engineering Development	1,275
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Weapons-Engineering Development	30
		New Mexico	USAF	RDTE/Weapons-Engineering Development	1,409
	CONTRACTOR TOTAL				1,439
	SPARTON CORPORATION	Michigan	NAVY	RDTE/Weapons-Engineering Development	1,754
	SRI INTERNATIONAL	California	NAVY	RDTE/Weapons-Engineering Development	100
	SUMMITEC CORPORATION	Tennessee	NAVY	RDTE/Weapons-Engineering Development	50
	TASC	Florida	USAF	RDTE/Weapons-Engineering Development	1,240
	TECH REPS INCORPORATED	New Mexico	USAF	RDTE/Weapons-Engineering Development	147-
	TECHNICAL DATA DEVELOPMENT	Illinois	ARMY	RDTE/Weapons-Engineering Development	285
	TECHNOMICS INC	California	NAVY	RDTE/Weapons-Engineering Development	251
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/Weapons-Engineering Development	3,148
	TEXTRON INC	Mass	USAF	RDTE/Weapons-Engineering Development	2,196

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC54 (CONTINUED)					
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/Weapons-Engineering Development	$ 3,077
	UNITED INTERNATIONAL ENGRG	New Mexico	USAF	RDTE/Weapons-Engineering Development	926
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Weapons-Engineering Development	1,372
	WESTINGHOUSE ELECTRIC CORP	Ohio	NAVY	RDTE/Weapons-Engineering Development	2,680-
	WRIGHT MALTA CORP	New York	ARMY	RDTE/Weapons-Engineering Development	364
R&D TOTAL					500,236
AC55	ALLIED SIGNAL AEROSPACE CO	Arizona	NAVY	RDTE/Weapons-Operational Systems Developme	188
	ANALOGIC CORPORATION	Mass	NAVY	RDTE/Weapons-Operational Systems Developme	113
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	151
	ARINC RESEARCH CORPORATION	California	NAVY	RDTE/Weapons-Operational Systems Developme	469
	BALL CORPORATION	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	180
	BDM INTERNATIONAL INC	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	1,537
	BOOZ ALLEN & HAMILTON INC	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	941
	C M ENGINEERING CO	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	50
	C M ENGINEERING CO INC	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	50
	COMPUTER SCIENCES CORPORATION	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	50
	CORREA ENTERPRISES INC	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	314
	ENTEK INC	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	718
	FIORE INDUSTRIES INC	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	390
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/Weapons-Operational Systems Developme	1,000
	HONEYWELL INC	New Mexico	ARMY	RDTE/Weapons-Operational Systems Developme	151
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	482
	KTECH CORPORATION	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme	94
	MAXWELL LABORATORIES INC	California	USAF	RDTE/Weapons-Operational Systems Developme	827

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC55 (CONTINUED)						
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/Weapons-Operational Systems Developme	$	727
	NUCLEAR METALS INC	Mass	USAF	RDTE/Weapons-Operational Systems Developme		136
	OKLAHOMA STATE UNIVERSITY	Florida	USAF	RDTE/Weapons-Operational Systems Developme		2,205
	PRC INC	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme		2,066
	PRESEARCH INCORPORATED	Florida	NAVY	RDTE/Weapons-Operational Systems Developme		638
	PROTEUS CORPORATION	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme		646
	R & D ASSOCIATES	California	USAF	RDTE/Weapons-Operational Systems Developme		230
		New Mexico	USAF	RDTE/Weapons-Operational Systems Developme		164
	CONTRACTOR TOTAL					394
	ROCKWELL POWER SYSTEMS	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme		743
	S SYSTEMS CORPORATION	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme		146
	SCHAFER W J ASSOCIATES INC	Mass	USAF	RDTE/Weapons-Operational Systems Developme		115
	SCIENCE APPLICATIONS INTL CORP	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme		4,969
	SENSOR CONCEPTS & APPLICATIONS	Maryland	ARMY	RDTE/Weapons-Operational Systems Developme		99
	SPARTA INC	Mass	ARMY	RDTE/Weapons-Operational Systems Developme		509
	SYNDETIX INC	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme		3,886
	TECH REPS INCORPORATED	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme		356
	TRACOR FLIGHT SYSTEMS INC	California	NAVY	RDTE/Weapons-Operational Systems Developme		976
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Weapons-Operational Systems Developme		3,706
R&D TOTAL						30,020
AC56	ANALYTEK LTD	California	USAF	RDTE/Weapons-Management & Support		50
	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/Weapons-Management & Support		100
	BDM INTERNATIONAL INC	New Mexico	USAF	RDTE/Weapons-Management & Support		94
	CADILLAC GAGE TEXTRON INC	Maryland	ARMY	RDTE/Weapons-Management & Support		51

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC56 (CONTINUED)					
	COMPUTER COMMAND CTRL COMPANY	Penn	NAVY	RDTE/Weapons-Management & Support	$ 50
	CREARE INC	N.H.	USAF	RDTE/Weapons-Management & Support	50
	DEFENSE TECHNOLOGY INC	Virginia	NAVY	RDTE/Weapons-Management & Support	1,789
	ECOCAD USA INC	Washington	USAF	RDTE/Weapons-Management & Support	60
	MCSI TECHNOLOGIES INC	Virginia	NAVY	RDTE/Weapons-Management & Support	305
	MERIT TECHNOLOGY INC	Texas	USAF	RDTE/Weapons-Management & Support	162
	MISSION RESEARCH CORPORATION	New Mexico	USAF	RDTE/Weapons-Management & Support	59
		Virginia	USAF	RDTE/Weapons-Management & Support	53
	CONTRACTOR TOTAL				112
	NORTH STAR RESEARCH INC	New Mexico	USAF	RDTE/Weapons-Management & Support	240
	PHYSICAL OPTICS CORPORATION	California	USAF	RDTE/Weapons-Management & Support	377
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/Weapons-Management & Support	50
	PRO TECH	California	USAF	RDTE/Weapons-Management & Support	50
	Q DOT INC	Colorado	USAF	RDTE/Weapons-Management & Support	50
	SCIENTIFIC RESEARCH ASSOC INC	Conn	USAF	RDTE/Weapons-Management & Support	30
	SENSORS UNLIMITED INC	New Jersey	USAF	RDTE/Weapons-Management & Support	48
	VITRO CORPORATION	Louisiana	NAVY	RDTE/Weapons-Management & Support	35
		Maine	NAVY	RDTE/Weapons-Management & Support	335
		Maryland	NAVY	RDTE/Weapons-Management & Support	111
		Miss	NAVY	RDTE/Weapons-Management & Support	380
		New Jersey	NAVY	RDTE/Weapons-Management & Support	90
		Virginia	NAVY	RDTE/Weapons-Management & Support	6,488
	CONTRACTOR TOTAL				7,440
	VOSS SCIENTIFIC	New Mexico	USAF	RDTE/Weapons-Management & Support	419

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
R&D TOTAL					$ 11,526
AC61	ADAPTIVE SENSORS INC	California	ARMY	RDTE/Electronics & Communication Eq-Basic	96
	ADVANCED PROJECTS RESEARCH	California	USAF	RDTE/Electronics & Communication Eq-Basic	61
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	ARMY	RDTE/Electronics & Communication Eq-Basic	45
	ADVEC CORPORATION	New Mexico	NAVY	RDTE/Electronics & Communication Eq-Basic	80
	AEL DEFENSE CORP	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Basic	230
	AEL INDUSTRIES INC	Penn	ARMY	RDTE/Electronics & Communication Eq-Basic	195
	AMERICAN OPTICAL CORPORATION	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Basic	334
	AMERICAN TELEPHONE & TELG CO	N Carolina	NAVY	RDTE/Electronics & Communication Eq-Basic	11,109
	AMHERST SYSTEMS INC	New York	ARMY	RDTE/Electronics & Communication Eq-Basic	354
			USAF	RDTE/Electronics & Communication Eq-Basic	309
		STATE TOTAL			663
	AMRON CORPORATION	Virginia	NAVY	RDTE/Electronics & Communication Eq-Basic	46
	APPLIED LOGIC SYSTEMS INC	New York	ARMY	RDTE/Electronics & Communication Eq-Basic	49
	APTEK INC	Colorado	USAF	RDTE/Electronics & Communication Eq-Basic	201
	ARETE ASSOCIATES	California	NAVY	RDTE/Electronics & Communication Eq-Basic	330
	ARTEL INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Basic	707
	ASTRON CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Basic	300
	ATLANTIC AEROSPACE ELECTRONICS	Mass	ARMY	RDTE/Electronics & Communication Eq-Basic	527
	B K SECURITY	Maryland	ARMY	RDTE/Electronics & Communication Eq-Basic	244
	BOULDER NONLINEAR	Colorado	USAF	RDTE/Electronics & Communication Eq-Basic	250
	CARNEGIE MELLON UNIVERSITY	Penn	NAVY	RDTE/Electronics & Communication Eq-Basic	1,320
	CENTER FOR REMOTE SENSING	Virginia	ARMY	RDTE/Electronics & Communication Eq-Basic	45
	CLARK ATLANTA UNIVERSITY INC	Georgia	ARMY	RDTE/Electronics & Communication Eq-Basic	47
	COMMAND CONTROL INC	Georgia	ARMY	RDTE/Electronics & Communication Eq-Basic	233

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC61 (CONTINUED)						
	COMMONWEALTH COMPUTER RESEARCH	Virginia	ARMY	RDTE/Electronics & Communication Eq-Basic	$	50
	COMPEER INC	California	ARMY	RDTE/Electronics & Communication Eq-Basic		64
	COPROCESSOR CORPORATION	Florida	ARMY	RDTE/Electronics & Communication Eq-Basic		241
	CUBIC CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Basic		1,098
	DAEDALUS ENTERPRISES INC	Michigan	NAVY	RDTE/Electronics & Communication Eq-Basic		54
	DATA	California	USAF	RDTE/Electronics & Communication Eq-Basic		127
	DATA SYSTEMS ANALYSTS INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Basic		28
	DAVID SARNOFF RESEARCH CENTER	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Basic		246
	DIGITAL RADIO CORP	California	ARMY	RDTE/Electronics & Communication Eq-Basic		120
	DIGITAL RADIO CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Basic		322
	DYNAFLOW	Maryland	NAVY	RDTE/Electronics & Communication Eq-Basic		250
	E TEK DYNAMICS INC	California	ARMY	RDTE/Electronics & Communication Eq-Basic		167
	ELECTRONIC DECISIONS INC	Illinois	USAF	RDTE/Electronics & Communication Eq-Basic		52
	ELECTROSPACE SYSTEMS INC	Texas	ARMY	RDTE/Electronics & Communication Eq-Basic		88
	ENSCO INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Basic		50
	EOIRTA SOFTWARE INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Basic		140
	ESL INCORPORATED	GERMANY	ARMY	RDTE/Electronics & Communication Eq-Basic		875
	EXPERSOFT	California	ARMY	RDTE/Electronics & Communication Eq-Basic		300
	FIBERTEK INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Basic		350
	FOSTER MILLER INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Basic		425
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/Electronics & Communication Eq-Basic		125
	GENISYS RESEARCH & DEVELOPMENT	New York	ARMY	RDTE/Electronics & Communication Eq-Basic		225
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/Electronics & Communication Eq-Basic		40
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Electronics & Communication Eq-Basic		581

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC61 (CONTINUED)						
	HAZELTINE CORPORATION	New York	ARMY	RDTE/Electronics & Communication Eq-Basic	$	2,361
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Electronics & Communication Eq-Basic		592
	HUGHES DANBURY OPTICAL SYSTEMS	Conn	ARMY	RDTE/Electronics & Communication Eq-Basic		68
	I-KINETICS INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Basic		50
	INFORMATION SYSTEMS LABS	Virginia	ARMY	RDTE/Electronics & Communication Eq-Basic		125
	INFORMATION TECH APPLICATIONS	Virginia	ARMY	RDTE/Electronics & Communication Eq-Basic		300
	INTEGRATED SYSTEM RESEARCH	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Basic		246
	INTERACTIVE INTELLIGENT IMAGER	California	ARMY	RDTE/Electronics & Communication Eq-Basic		188
	INTERNATIONAL MOBILE MCHS CORP	Penn	ARMY	RDTE/Electronics & Communication Eq-Basic		233
	KAISER OPTICAL SYSTEMS INC	Michigan	ARMY	RDTE/Electronics & Communication Eq-Basic		147
	LASER TECHNOLOGY ASSOCIATES	New York	ARMY	RDTE/Electronics & Communication Eq-Basic		337
	LOCKHEED SANDERS INC	N.H.	ARMY	RDTE/Electronics & Communication Eq-Basic		43,495
		New Jersey	ARMY	RDTE/Electronics & Communication Eq-Basic		3,695
	CONTRACTOR TOTAL					47,190
	MARLOW INDUSTRIES INC	Texas	ARMY	RDTE/Electronics & Communication Eq-Basic		49
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/Electronics & Communication Eq-Basic		208
		Maryland	ARMY	RDTE/Electronics & Communication Eq-Basic		185
	CONTRACTOR TOTAL					393
	MARTIN USA INC	Florida	USAF	RDTE/Electronics & Communication Eq-Basic		90
	MASSACHUSETTS INST OF TCHNOLOG	Mass	USAF	RDTE/Electronics & Communication Eq-Basic		30
	MICROCOM CORPORATION	Penn	NAVY	RDTE/Electronics & Communication Eq-Basic		100
	MULTISPECTRAL SOLUTIONS INC	Maryland	ARMY	RDTE/Electronics & Communication Eq-Basic		193
	NORTHROP CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Basic		666
		Illinois	ARMY	RDTE/Electronics & Communication Eq-Basic		187

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC61 (CONTINUED)						
	CONTRACTOR TOTAL				$	853
	NOVA ENGINEERING INC	Ohio	ARMY	RDTE/Electronics & Communication Eq-Basic		249
	OHIO UNIVERSITY	Ohio	ARMY	RDTE/Electronics & Communication Eq-Basic		184
	OMNITECH INDUSTRIES INC	Colorado	NAVY	RDTE/Electronics & Communication Eq-Basic		50
	OREGON GRAD CTR STUDY RESEARCH	Oregon	ARMY	RDTE/Electronics & Communication Eq-Basic		650
	ORINCON CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Basic		50
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/Electronics & Communication Eq-Basic		313
	PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Basic		50
	PRINCETON UNIVERSITY	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Basic		30
	PROGRAM DEVELOPMENT CORP	New York	USAF	RDTE/Electronics & Communication Eq-Basic		28
	RACAL COMMUNICATIONS INC	Maryland	USAF	RDTE/Electronics & Communication Eq-Basic		18,775
	RADIX TECHNOLOGIES INC	California	ARMY	RDTE/Electronics & Communication Eq-Basic		49
	RAYTHEON COMPANY	California	ARMY	RDTE/Electronics & Communication Eq-Basic		70
		Mass	NAVY	RDTE/Electronics & Communication Eq-Basic		259
	CONTRACTOR TOTAL					329
	RECON OPTICAL INC	Illinois	USAF	RDTE/Electronics & Communication Eq-Basic		153
	RETICULAR SYSTEMS INC	California	ARMY	RDTE/Electronics & Communication Eq-Basic		50
	RF MICROSYSTEMS INC	California	NAVY	RDTE/Electronics & Communication Eq-Basic		1,014
	RIVERSIDE RESEARCH INSTITUTE	New York	ARMY	RDTE/Electronics & Communication Eq-Basic		38
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/Electronics & Communication Eq-Basic		219
		Texas	NAVY	RDTE/Electronics & Communication Eq-Basic		130
	CONTRACTOR TOTAL					349
	S C S TELECOM INC	New York	ARMY	RDTE/Electronics & Communication Eq-Basic		495
	S-TRON	California	ARMY	RDTE/Electronics & Communication Eq-Basic		50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC61 (CONTINUED)						
	SAN DIEGO STATE UNIV FNDTN	California	NAVY	RDTE/Electronics & Communication Eq-Basic	$	1,712
	SAVANNAH RIVER ASSOCIATES INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Basic		50
	SCHWARTZ ELECTRO-OPTICS INC	Florida	ARMY	RDTE/Electronics & Communication Eq-Basic		150
			USAF	RDTE/Electronics & Communication Eq-Basic		600
		STATE TOTAL				750
	SCIENCE APPLICATIONS INTL CORP	Virginia	ARMY	RDTE/Electronics & Communication Eq-Basic		1,038
	SECURE SOLUTIONS INC	California	NAVY	RDTE/Electronics & Communication Eq-Basic		47
	SIMEX SYSTEMS & SOFTWARE COR	Arizona	ARMY	RDTE/Electronics & Communication Eq-Basic		44
	SIPPICAN INC	Mass	NAVY	RDTE/Electronics & Communication Eq-Basic		95
	SOFTWARE AND ELECTRICAL ENGINE	Conn	ARMY	RDTE/Electronics & Communication Eq-Basic		250
	SPECTRUM MANAGEMENT GROUP INC	Texas	ARMY	RDTE/Electronics & Communication Eq-Basic		178
	SPIRE CORPORATION	Mass	ARMY	RDTE/Electronics & Communication Eq-Basic		49
	SYNETICS CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Basic		200
		Mass	NAVY	RDTE/Electronics & Communication Eq-Basic		48
	CONTRACTOR TOTAL					248
	TAI INC	Alabama	ARMY	RDTE/Electronics & Communication Eq-Basic		267
	TECHNICAL EVALUATION RESEARCH	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Basic		110
	TECHNOLOGY INTERNATIONAL INC	Louisiana	ARMY	RDTE/Electronics & Communication Eq-Basic		49
	TELEPHONICS CORP	New York	ARMY	RDTE/Electronics & Communication Eq-Basic		408
	TESSCO GROUP INC	Texas	NAVY	RDTE/Electronics & Communication Eq-Basic		1,257
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Electronics & Communication Eq-Basic		270
	TEXAS MICROSYSTEMS INC	Texas	ARMY	RDTE/Electronics & Communication Eq-Basic		350
	UNIVERSITY OF HOUSTON SYSTEM	Texas	NAVY	RDTE/Electronics & Communication Eq-Basic		93
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/Electronics & Communication Eq-Basic		180

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC61 (CONTINUED)					
	UNIVERSITY OF KANSAS	Kansas	NAVY	RDTE/Electronics & Communication Eq-Basic	$ 52
	UNIVERSITY OF TEXAS	Texas	USAF	RDTE/Electronics & Communication Eq-Basic	30
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/Electronics & Communication Eq-Basic	9,635
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	ARMY	RDTE/Electronics & Communication Eq-Basic	881
	UNIVERSITY SWAGGING CORP	Washington	NAVY	RDTE/Electronics & Communication Eq-Basic	1,434
	VISIONIER TECHNOLOGIES CORP	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Basic	251-
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/Electronics & Communication Eq-Basic	50
	WOOLLAM J A CO	Nebraska	ARMY	RDTE/Electronics & Communication Eq-Basic	50
	XYBION CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Basic	50
	ZEGER ABRAMS INCORPORATED	Penn	ARMY	RDTE/Electronics & Communication Eq-Basic	75
R&D TOTAL					119,029
AC62	A P A OPTICS INC	Minnesota	ARMY	RDTE/Electronics & Communication Eq-Explor	49
	ADVANCED ACOUSTICAL CONCEPTS	New York	NAVY	RDTE/Electronics & Communication Eq-Explor	1,923
	ADVANCED DIGITAL SYSTEM INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	73
	ADVANCED PROCESSING LABS	California	NAVY	RDTE/Electronics & Communication Eq-Explor	102
	ADVANCED SYSTEMS TECHNOLOGY	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	100
	ADVANCED TECHNOLOGY MATERIALS	Conn	ARMY	RDTE/Electronics & Communication Eq-Explor	250
	AEL INDUSTRIES INC	Penn	ARMY	RDTE/Electronics & Communication Eq-Explor	300
	AEROJET	California	USAF	RDTE/Electronics & Communication Eq-Explor	150
	AEROSPACE MASS PRPTS ANALIS	Penn	NAVY	RDTE/Electronics & Communication Eq-Explor	105
	AHNTECH INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	94-
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Electronics & Communication Eq-Explor	3,264
	ALPHATECH INC	Mass	NAVY	RDTE/Electronics & Communication Eq-Explor	52
			USAF	RDTE/Electronics & Communication Eq-Explor	95

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
		STATE TOTAL			$ 147
	ALTERNATIVE SYSTEM CONCEPTS	N.H.	ARMY	RDTE/Electronics & Communication Eq-Explor	200
	AMERICAN TELEPHONE & TELG CO	New Jersey	NAVY	RDTE/Electronics & Communication Eq-Explor	261
	APPLIED MEASUREMENT SYSTEMS	Florida	NAVY	RDTE/Electronics & Communication Eq-Explor	4,763
	ARCON CORPORATION	Mass	USAF	RDTE/Electronics & Communication Eq-Explor	81
	ARINC INCORPORATED	Maryland	ARMY	RDTE/Electronics & Communication Eq-Explor	1,954
	ARINC RESEARCH CORPORATION	Maryland	ARMY	RDTE/Electronics & Communication Eq-Explor	1,349
	ATLANTIC AEROSPACE ELECTRONICS	Mass	NAVY	RDTE/Electronics & Communication Eq-Explor	458
	BALL CORPORATION	Ohio	USAF	RDTE/Electronics & Communication Eq-Explor	167
	BELL COMMUNICATIONS RESEARCH	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	1,180
	BOEING AEROSPACE OPERATIONS	Washington	ARMY	RDTE/Electronics & Communication Eq-Explor	70
	BOEING COMPANY THE	Washington	ARMY	RDTE/Electronics & Communication Eq-Explor	234
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	18,093
			USAF	RDTE/Electronics & Communication Eq-Explor	972
		STATE TOTAL			19,065
	BOOZ ALLEN & HAMILTON INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	34
	BUSEK CO INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	74
	CAD LANGUAGE SYSTEMS INC	Maryland	ARMY	RDTE/Electronics & Communication Eq-Explor	268
	CANADIAN COMMERCIAL CORPORATI	CANADA	ARMY	RDTE/Electronics & Communication Eq-Explor	503
	CANOPUS SYSTEMS INC	Michigan	NAVY	RDTE/Electronics & Communication Eq-Explor	144
		Penn	NAVY	RDTE/Electronics & Communication Eq-Explor	40
		CONTRACTOR TOTAL			184
	CASCADE MICROTECH INC	Oregon	ARMY	RDTE/Electronics & Communication Eq-Explor	169
	CHANG INDUSTRY INC	California	ARMY	RDTE/Electronics & Communication Eq-Explor	125

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC62 (CONTINUED)						
	CLARK ATLANTA UNIVERSITY INC	Georgia	ARMY	RDTE/Electronics & Communication Eq-Explor	$	50
	CLASSIFIED	Foreign	ARMY	RDTE/Electronics & Communication Eq-Explor		91
	COMPACT SOFTWARE INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor		57
	COMPUTER SCIENCE APPLICATIONS	Florida	USAF	RDTE/Electronics & Communication Eq-Explor		198
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Explor		770
	CONTEL CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Explor		1,900
	CONTINENTAL ELECTRONICS CORP	Texas	ARMY	RDTE/Electronics & Communication Eq-Explor		959
	COORS PORCELAIN COMPANY	Miss	NAVY	RDTE/Electronics & Communication Eq-Explor		115
	CRYSTALLUME	California	ARMY	RDTE/Electronics & Communication Eq-Explor		200
	DAMASKOS INC	Penn	ARMY	RDTE/Electronics & Communication Eq-Explor		50
	DBA SYSTEMS INC	Florida	ARMY	RDTE/Electronics & Communication Eq-Explor		1,365
	DIGITAL RADIO CORP	California	NAVY	RDTE/Electronics & Communication Eq-Explor		133
	DOW CHEMICAL COMPANY THE	Michigan	ARMY	RDTE/Electronics & Communication Eq-Explor		119
	DREXEL UNIVERSITY	Penn	ARMY	RDTE/Electronics & Communication Eq-Explor		75
			NAVY	RDTE/Electronics & Communication Eq-Explor		62
		STATE TOTAL				137
	E I C LABORATORY INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor		50
	E-OIR MEASUREMENTS INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Explor		465
	ELDYNE INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor		3,374
	ELECTRO SYSTEMS INTERNATIONAL	Georgia	USAF	RDTE/Electronics & Communication Eq-Explor		1,736
	ELECTRONIC DATA SYSTEMS CORP	Texas	ARMY	RDTE/Electronics & Communication Eq-Explor		58
	ELECTRONIC WARFARE ASSOCIATES	Virginia	ARMY	RDTE/Electronics & Communication Eq-Explor		175
	EMCORE CORPORATION	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor		300
	EMERGING CONCEPTS	California	NAVY	RDTE/Electronics & Communication Eq-Explor		31

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	EMRC INC	Illinois	ARMY	RDTE/Electronics & Communication Eq-Explor	$ 49
	ENERGY COMPRESSION RES CORP	California	ARMY	RDTE/Electronics & Communication Eq-Explor	50
	ENGINEERING & PROFESSIONAL SVC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	198
	ENGINEERING SPECIALTIES SVC	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	44
	ENGINEERING TECHNOLOGIES INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Explor	597
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/Electronics & Communication Eq-Explor	245
	ERC INTERNATIONAL INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	1,423
	ESCO ELECTRONICS CORPORATION	Mass	NAVY	RDTE/Electronics & Communication Eq-Explor	1,075
	ESL INCORPORATED	California	ARMY	RDTE/Electronics & Communication Eq-Explor	793
	ETEC SYSTEMS INC	California	ARMY	RDTE/Electronics & Communication Eq-Explor	4,415
	F & H APPLIED SCIENCES ASSOC	Penn	ARMY	RDTE/Electronics & Communication Eq-Explor	59
	FALON INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	300
	FELCORP	Florida	ARMY	RDTE/Electronics & Communication Eq-Explor	45
	FIBERCOM INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Explor	107
	FIBERTEK INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Explor	198
	FLAM & RUSSELL INC	Penn	NAVY	RDTE/Electronics & Communication Eq-Explor	200
	FLORIDA INTERNATIONAL UNIV	Florida	NAVY	RDTE/Electronics & Communication Eq-Explor	27
	FOSTER MILLER INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	50
	GALAXY MICROSYSTEMS INC	Texas	NAVY	RDTE/Electronics & Communication Eq-Explor	48
	GENERAL ELECTRIC COMPANY	New Jersey	NAVY	RDTE/Electronics & Communication Eq-Explor	186
		New York	ARMY	RDTE/Electronics & Communication Eq-Explor	852
	CONTRACTOR TOTAL				1,038
	GENERAL TECHNICAL SERVICES	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	175
	GEO CENTERS INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	4,057

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC62 (CONTINUED)						
	GEORGE MASON UNIVERSITY	Virginia	ARMY	RDTE/Electronics & Communication Eq-Explor	$	117
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Electronics & Communication Eq-Explor		2,144
			NAVY	RDTE/Electronics & Communication Eq-Explor		83
		STATE TOTAL				2,227
	GIORDANO ASSOCIATES INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor		148
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/Electronics & Communication Eq-Explor		100
	GTE GOVERNMENT SYSTEMS CORP	California	NAVY	RDTE/Electronics & Communication Eq-Explor		159-
		Mass	ARMY	RDTE/Electronics & Communication Eq-Explor		1,494
		CONTRACTOR TOTAL				1,335
	GTE PRODUCTS CORP	Penn	ARMY	RDTE/Electronics & Communication Eq-Explor		508
	HARRIS CORPORATION	Florida	ARMY	RDTE/Electronics & Communication Eq-Explor		477
			NAVY	RDTE/Electronics & Communication Eq-Explor		204
			USAF	RDTE/Electronics & Communication Eq-Explor		2,865
		STATE TOTAL				3,546
		New York	NAVY	RDTE/Electronics & Communication Eq-Explor		34
		CONTRACTOR TOTAL				3,580
	HARTMANN RESEARCH INC	Texas	ARMY	RDTE/Electronics & Communication Eq-Explor		226
	HEWLETT-PACKARD COMPANY	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor		58
	HITTITE MICROWAVE CORPORATION	Mass	NAVY	RDTE/Electronics & Communication Eq-Explor		61
	HONEYWELL INC	Minnesota	ARMY	RDTE/Electronics & Communication Eq-Explor		266
			NAVY	RDTE/Electronics & Communication Eq-Explor		92
			USAF	RDTE/Electronics & Communication Eq-Explor		70
		STATE TOTAL				427
	HOWARD UNIVERSITY	D.C.	ARMY	RDTE/Electronics & Communication Eq-Explor		40
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Electronics & Communication Eq-Explor		3,716
			NAVY	RDTE/Electronics & Communication Eq-Explor		1,799
			USAF	RDTE/Electronics & Communication Eq-Explor		148

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
		STATE TOTAL			$ 5,662
	ILC TECHNOLOGY INC	California	ARMY	RDTE/Electronics & Communication Eq-Explor	49
	ILLINOIS SUPERCONDUCTOR CORP	Illinois	ARMY	RDTE/Electronics & Communication Eq-Explor	268
	IMAGING AND SENSING TECH CORP	New York	ARMY	RDTE/Electronics & Communication Eq-Explor	175
	INTEGRATED SENSORS INC	New York	USAF	RDTE/Electronics & Communication Eq-Explor	199
	INTEGRATED SYSTEMS INC	Georgia	ARMY	RDTE/Electronics & Communication Eq-Explor	200
	INTEL CORPORATION	Oregon	ARMY	RDTE/Electronics & Communication Eq-Explor	435
	INTERMETRICS INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	383
	INTERNATIONAL BUS MCHS CORP	California	ARMY	RDTE/Electronics & Communication Eq-Explor	349
		New York	USAF	RDTE/Electronics & Communication Eq-Explor	3,132
		Virginia	NAVY	RDTE/Electronics & Communication Eq-Explor	1,849
	CONTRACTOR TOTAL				5,330
	IOWA STATE UNIV SCNC	Iowa	ARMY	RDTE/Electronics & Communication Eq-Explor	144
	IRVINE SENSORS CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Explor	300
	ITT CORPORATION	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	279
		Virginia	ARMY	RDTE/Electronics & Communication Eq-Explor	550
	CONTRACTOR TOTAL				829
	J R S RESEARCH LABORATORIES	California	ARMY	RDTE/Electronics & Communication Eq-Explor	140
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/Electronics & Communication Eq-Explor	100
		New York	USAF	RDTE/Electronics & Communication Eq-Explor	491
	CONTRACTOR TOTAL				591
	KODE INC	Texas	NAVY	RDTE/Electronics & Communication Eq-Explor	29
	KOPIN CORPORATION	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	100
	L N R COMMUNICATIONS INC	New York	ARMY	RDTE/Electronics & Communication Eq-Explor	75

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	LASER DIODE INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	$ 150
	LASER POWER CORP	California	ARMY	RDTE/Electronics & Communication Eq-Explor	120
	LITTON INDUSTRIES INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	3,391
	LITTON SYSTEMS INC	Arizona	NAVY	RDTE/Electronics & Communication Eq-Explor	60
		California	ARMY	RDTE/Electronics & Communication Eq-Explor	322
	CONTRACTOR TOTAL				382
	LOCKHEED CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Explor	135
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/Electronics & Communication Eq-Explor	349
	LOCKHEED SANDERS INC	N.H.	NAVY	RDTE/Electronics & Communication Eq-Explor	1,180-
	LORAL CORP	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	437
			NAVY	RDTE/Electronics & Communication Eq-Explor	40
	STATE TOTAL				477
	MAGNAVOX GOVT & INDSTRL ELCTR	California	ARMY	RDTE/Electronics & Communication Eq-Explor	152
		Indiana	NAVY	RDTE/Electronics & Communication Eq-Explor	1,893
	CONTRACTOR TOTAL				2,045
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/Electronics & Communication Eq-Explor	9,256
	MCDONNELL DOUGLAS SPACE SYS CO	California	NAVY	RDTE/Electronics & Communication Eq-Explor	486
	METROLASER	California	USAF	RDTE/Electronics & Communication Eq-Explor	322
	MICROWAVE TECHNOLOGY INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	159
	MILLITECH CORPORATION	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	50
	MOTOROLA INC	Arizona	ARMY	RDTE/Electronics & Communication Eq-Explor	236
			NAVY	RDTE/Electronics & Communication Eq-Explor	101
	STATE TOTAL				338
	MULTILAYER OPTICS & X-RAY TECH	Utah	ARMY	RDTE/Electronics & Communication Eq-Explor	50
	NAVCOM DEFENSE ELECTRONICS	California	ARMY	RDTE/Electronics & Communication Eq-Explor	261

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	NAVMAR APPLIED SCIENCES CORP	Penn	NAVY	RDTE/Electronics & Communication Eq-Explor	$ 743
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/Electronics & Communication Eq-Explor	747
	NIMBLE COMPUTER CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Explor	50
	NORTHEASTERN UNIVERSITY CORP	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	105
	NORTHROP CORPORATION	Illinois	ARMY	RDTE/Electronics & Communication Eq-Explor	318
	OGDEN CORPORATION	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	88
	OPTIVISION INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	657
	ORINCON CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Explor	3,040
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/Electronics & Communication Eq-Explor	1,302
	PENNSYLVANIA STATE UNIVERSITY	Penn	ARMY	RDTE/Electronics & Communication Eq-Explor	200
			NAVY	RDTE/Electronics & Communication Eq-Explor	21,203
		STATE TOTAL			21,403
	PERCEPTUAL IMAGES	California	ARMY	RDTE/Electronics & Communication Eq-Explor	49
	PERII SYSTEMS INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	200
	PERKIN-ELMER CORPORATION THE	Conn	ARMY	RDTE/Electronics & Communication Eq-Explor	400-
	PHELAN COMPUTING INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	286
	PHONON CORP	Conn	ARMY	RDTE/Electronics & Communication Eq-Explor	50
	PHOTOGLASS	Illinois	USAF	RDTE/Electronics & Communication Eq-Explor	100
	PHOTONICS SYSTEMS INC	Ohio	ARMY	RDTE/Electronics & Communication Eq-Explor	171
	PHYSICAL OPTICS CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Explor	49
	PLANAR SYSTEMS INC	Oregon	ARMY	RDTE/Electronics & Communication Eq-Explor	580
	POLHEMUS NVGTN SCNC INC	Vermont	NAVY	RDTE/Electronics & Communication Eq-Explor	285
	POWER CONVERSION INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	150
	PREDICTION SYSTEMS INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	460

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	Q S D INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	$ 25-
	R J O ENTERPRISES INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Explor	2,623
	RADANT TECHNOLOGIES INC	Mass	NAVY	RDTE/Electronics & Communication Eq-Explor	171
	RADIX TECHNOLOGIES INC	California	ARMY	RDTE/Electronics & Communication Eq-Explor	280
	RAMSEARCH CO	Maryland	ARMY	RDTE/Electronics & Communication Eq-Explor	150
	RAYOVAC CORPORATION	Wisconsin	ARMY	RDTE/Electronics & Communication Eq-Explor	1,991
	RAYTHEON COMPANY	California	ARMY	RDTE/Electronics & Communication Eq-Explor	294
		Mass	USAF	RDTE/Electronics & Communication Eq-Explor	703
		Rhode Isld	NAVY	RDTE/Electronics & Communication Eq-Explor	310
	CONTRACTOR TOTAL				1,307
	REVEO INC	New York	ARMY	RDTE/Electronics & Communication Eq-Explor	300
	RIVERSIDE RESEARCH INSTITUTE	New York	ARMY	RDTE/Electronics & Communication Eq-Explor	30
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/Electronics & Communication Eq-Explor	234
			NAVY	RDTE/Electronics & Communication Eq-Explor	65
	STATE TOTAL				299
	ROME RESEARCH CORP	New York	NAVY	RDTE/Electronics & Communication Eq-Explor	545
	ROOS INSTRUMENTS	California	ARMY	RDTE/Electronics & Communication Eq-Explor	200
	S C S TELECOM INC	New York	ARMY	RDTE/Electronics & Communication Eq-Explor	97
	SAFT AMERICA INC	Maryland	ARMY	RDTE/Electronics & Communication Eq-Explor	951
		N Carolina	ARMY	RDTE/Electronics & Communication Eq-Explor	176
	CONTRACTOR TOTAL				1,127
	SCHMITT TECHNOLOGY	Conn	ARMY	RDTE/Electronics & Communication Eq-Explor	50
	SCHOTT FIBER OPTICS	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	200
	SCI TEC INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	270

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC62 (CONTINUED)						
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Electronics & Communication Eq-Explor	$	4,388
		Ohio	USAF	RDTE/Electronics & Communication Eq-Explor		50
		Virginia	ARMY	RDTE/Electronics & Communication Eq-Explor		811
	CONTRACTOR TOTAL					5,249
	SCIENTIFIC RESEARCH ASSOC INC	Conn	ARMY	RDTE/Electronics & Communication Eq-Explor		49
	SIERRA NEVADA CORPORATION	Nevada	ARMY	RDTE/Electronics & Communication Eq-Explor		102
	SILICON VIDEO CORP	California	ARMY	RDTE/Electronics & Communication Eq-Explor		1,094
	SOFTECH INC	Ohio	NAVY	RDTE/Electronics & Communication Eq-Explor		1,117
	SOFTWARE PRDUCTIVITY SOLUTIONS	Florida	ARMY	RDTE/Electronics & Communication Eq-Explor		50
	SONETECH CORPORATION	N.H.	NAVY	RDTE/Electronics & Communication Eq-Explor		50
	SPACE APPLICATIONS CORPORATION	Washington	ARMY	RDTE/Electronics & Communication Eq-Explor		50
	SPARTON CORPORATION	Michigan	NAVY	RDTE/Electronics & Communication Eq-Explor		39
	SPECTRA DIODE LABORATORIES	California	NAVY	RDTE/Electronics & Communication Eq-Explor		200
	SRI INTERNATIONAL	California	ARMY	RDTE/Electronics & Communication Eq-Explor		1,302
			NAVY	RDTE/Electronics & Communication Eq-Explor		91
	STATE TOTAL					1,393
	SRS TECHNOLOGIES	California	ARMY	RDTE/Electronics & Communication Eq-Explor		479
	STANFORD UNIVERSITY	California	ARMY	RDTE/Electronics & Communication Eq-Explor		600
			NAVY	RDTE/Electronics & Communication Eq-Explor		2,655
	STATE TOTAL					3,255
	STEINBRECHER CORP	Mass	ARMY	RDTE/Electrorics & Communication Eq-Explor		200
	STOCHASTIX	California	ARMY	RDTE/Electronics & Communication Eq-Explor		46
	SUPERCONDUCTOR TECHNOLOGIES	California	ARMY	RDTE/Electronics & Communication Eq-Explor		100
	SYNECTICS CORP	New York	USAF	RDTE/Electronics & Communication Eq-Explor		44
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Explor		503

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC62 (CONTINUED)						
			NAVY	RDTE/Electronics & Communication Eq-Explor	$	318
		STATE TOTAL				822
	T P L INC	New Mexico	ARMY	RDTE/Electronics & Communication Eq-Explor		50
	TCI INTERNATIONAL INC	California	ARMY	RDTE/Electronics & Communication Eq-Explor		556
	TECHMATICS INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Explor		49
	TECHNOCHEM CO	N Carolina	ARMY	RDTE/Electronics & Communication Eq-Explor		200
	TENCO SERVICES INC	Penn	ARMY	RDTE/Electronics & Communication Eq-Explor		32
	TERA COMPUTER COMPANY	Washington	ARMY	RDTE/Electronics & Communication Eq-Explor		3,750
	TEXAS A & M UNIVERSITY	Texas	NAVY	RDTE/Electronics & Communication Eq-Explor		430
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Electronics & Communication Eq-Explor		3,780
			NAVY	RDTE/Electronics & Communication Eq-Explor		5,393
		STATE TOTAL				9,173
	TFR TECHNOLOGIES INC	Oregon	ARMY	RDTE/Electronics & Communication Eq-Explor		275
	THERMOTREX CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Explor		580
			NAVY	RDTE/Electronics & Communication Eq-Explor		1,294
		STATE TOTAL				1,874
	THINKING MACHINES CORPORATION	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor		597
	TITAN SYSTEMS INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor		2,730
	TOOMAY MATHIS & ASSOCIATES	Montana	NAVY	RDTE/Electronics & Communication Eq-Explor		31
	TORREY SCIENCE AND TECHNOLOGY	California	ARMY	RDTE/Electronics & Communication Eq-Explor		260
	TRACOR AEROSPACE INC	Texas	NAVY	RDTE/Electronics & Communication Eq-Explor		50
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/Electronics & Communication Eq-Explor		753
	TRICOR SYSTEMS INC	Illinois	NAVY	RDTE/Electronics & Communication Eq-Explor		60
	TRUSTEES OF PRINCETON UNIV	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor		274
	TRW INC	California	ARMY	RDTE/Electronics & Communication Eq-Explor		19,041

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
			NAVY	RDTE/Electronics & Communication Eq-Explor	$ 1,049
			USAF	RDTE/Electronics & Communication Eq-Explor	717
		STATE TOTAL			20,807
	U B C INC	Florida	USAF	RDTE/Electronics & Communication Eq-Explor	50
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/Electronics & Communication Eq-Explor	595
	UNIV OF MARYLAND COLLEGE PARK	Maryland	ARMY	RDTE/Electronics & Communication Eq-Explor	125
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/Electronics & Communication Eq-Explor	94
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/Electronics & Communication Eq-Explor	450
	UNIVERSITY OF TEXAS	Texas	NAVY	RDTE/Electronics & Communication Eq-Explor	4,977
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/Electronics & Communication Eq-Explor	242
			NAVY	RDTE/Electronics & Communication Eq-Explor	36,458
		STATE TOTAL			36,700
	VARIAN ASSOCIATES INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	125
	VECTOR RESEARCH COMPANY INC	Florida	NAVY	RDTE/Electronics & Communication Eq-Explor	305
	VIASAT INC	California	NAVY	RDTE/Electronics & Communication Eq-Explor	50
	VISTA RESEARCH	California	NAVY	RDTE/Electronics & Communication Eq-Explor	150
	VITRO CORPORATION	Maryland	ARMY	RDTE/Electronics & Communication Eq-Explor	287
	VITRONICS INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	4,512
	VULN/EVAL ASSOC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Explor	248
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/Electronics & Communication Eq-Explor	10,411
		Ohio	ARMY	RDTE/Electronics & Communication Eq-Explor	82
	CONTRACTOR TOTAL				10,493
	WHITTAKER CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Explor	2,463
	WOOLLAM J A CO	Nebraska	USAF	RDTE/Electronics & Communication Eq-Explor	173
	WORCESTER POLYTECHNIC INSTITUT	Mass	ARMY	RDTE/Electronics & Communication Eq-Explor	45

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	WYLE LABORATORIES	California	ARMY	RDTE/Electronics & Communication Eq-Explor	$ 335
	R&D TOTAL				264,070
AC63	A P A OPTICS INC	Minnesota	USAF	RDTE/Electronics & Communication Eq-Advanc	199
	A V W ELECTRONIC SYSTEMS INC	California	USAF	RDTE/Electronics & Communication Eq-Advanc	99
	ADAPTIVE TECHNOLOGY INC	New York	USAF	RDTE/Electronics & Communication Eq-Advanc	41
	ADROIT SYSTEMS INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Advanc	70
	ADVANCED ACOUSTICAL CONCEPTS	New York	NAVY	RDTE/Electronics & Communication Eq-Advanc	172
	ADVANCED DECISION SYSTEMS	California	USAF	RDTE/Electronics & Communication Eq-Advanc	160
	ADVANCED FUEL RESEARCH INC	Conn	ARMY	RDTE/Electronics & Communication Eq-Advanc	195
	ADVANCED TECHNOLOGY MATERIALS	Conn	USAF	RDTE/Electronics & Communication Eq-Advanc	50
	AEL DEFENSE CORP	Penn	ARMY	RDTE/Electronics & Communication Eq-Advanc	100
	AEPCO INC	Maryland	NAVY	RDTE/Electronics & Communication Eq-Advanc	100
	AEROVIRONMENT INC	California	NAVY	RDTE/Electronics & Communication Eq-Advanc	850
	AIL SYSTEMS INC	New York	ARMY	RDTE/Electronics & Communication Eq-Advanc	1,239
			NAVY	RDTE/Electronics & Communication Eq-Advanc	136
		STATE TOTAL			1,376
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Electronics & Communication Eq-Advanc	2,780
	ALPHATECH INC	Mass	USAF	RDTE/Electronics & Communication Eq-Advanc	511
	AMERICAN TELEPHONE & TELG CO	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Advanc	100
		N Carolina	NAVY	RDTE/Electronics & Communication Eq-Advanc	35,290
	CONTRACTOR TOTAL				35,390
	ANALYSIS & COMPUTER SYSTEMS	Mass	ARMY	RDTE/Electronics & Communication Eq-Advanc	237
	ANAREN MICROWAVE INC	New York	USAF	RDTE/Electronics & Communication Eq-Advanc	59
	ATLANTIC RESEARCH CORPORATION	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc	558

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC63 (CONTINUED)						
	AUTOMATION GROUP THE	California	USAF	RDTE/Electronics & Communication Eq-Advanc	$	1,530
	BALL CORPORATION	Colorado	NAVY	RDTE/Electronics & Communication Eq-Advanc		60
		Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		32
	CONTRACTOR TOTAL					92
	BANDGAP TECH	Colorado	NAVY	RDTE/Electronics & Communication Eq-Advanc		31
	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		312
	BDM INTERNATIONAL INC	Virginia	USAF	RDTE/Electronics & Communication Eq-Advanc		290
	BOEING COMPANY THE	Kansas	USAF	RDTE/Electronics & Communication Eq-Advanc		70
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/Electronics & Communication Eq-Advanc		10,615
			USAF	RDTE/Electronics & Communication Eq-Advanc		120
		STATE TOTAL				10,735
		New Jersey	ARMY	RDTE/Electronics & Communication Eq-Advanc		445
		Virginia	ARMY	RDTE/Electronics & Communication Eq-Advanc		130
	CONTRACTOR TOTAL					11,310
	BRIMROSE CORP OF AMERICA	Maryland	NAVY	RDTE/Electronics & Communication Eq-Advanc		254
	BRITISH AEROSPACE PLC	UNITED KIN	NAVY	RDTE/Electronics & Communication Eq-Advanc		1,158
	CALSPAN CORPORATION	New York	USAF	RDTE/Electronics & Communication Eq-Advanc		1,192
	CERAMIC PROCESS	Mass	NAVY	RDTE/Electronics & Communication Eq-Advanc		230
	CHANG INDUSTRY INC	California	USAF	RDTE/Electronics & Communication Eq-Advanc		26
	CINCINNATI ELECTRONICS CORP	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		709
	COHERENT TECHNOLOGIES INC	Colorado	USAF	RDTE/Electronics & Communication Eq-Advanc		524
	COLEMAN RESEARCH CORPORATION	Florida	USAF	RDTE/Electronics & Communication Eq-Advanc		250
	COMP INFO SCI	Texas	NAVY	RDTE/Electronics & Communication Eq-Advanc		50
	COMPUTER SCIENCES CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Advanc		11,170

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC63 (CONTINUED)						
	COMPUTER SOFTWARE ANALYSTS	California	NAVY	RDTE/Electronics & Communication Eq-Advanc	$	363
	CONVERGENT RESOURCES INC	Florida	NAVY	RDTE/Electronics & Communication Eq-Advanc		46
	CREARE INC	N.H.	USAF	RDTE/Electronics & Communication Eq-Advanc		100
	DATASONICS INC	Mass	NAVY	RDTE/Electronics & Communication Eq-Advanc		545
	DATUM INC	California	USAF	RDTE/Electronics & Communication Eq-Advanc		71
	DCS CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Advanc		332
	DELFIN SYSTEMS	California	USAF	RDTE/Electronics & Communication Eq-Advanc		290
	DIGITAL EQUIPMENT CORPORATION	Conn	NAVY	RDTE/Electronics & Communication Eq-Advanc		92
	DIGITAL TECHNOLOGY INC	Maryland	NAVY	RDTE/Electronics & Communication Eq-Advanc		508
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/Electronics & Communication Eq-Advanc		201
	DS COMPUTER CONSULTING	Penn	NAVY	RDTE/Electronics & Communication Eq-Advanc		25
	E-OIR MEASUREMENTS INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Advanc		1,546
			USAF	RDTE/Electronics & Communication Eq-Advanc		185
		STATE TOTAL				1,731
	E-SYSTEMS INC	Florida	NAVY	RDTE/Electronics & Communication Eq-Advanc		41,120
			USAF	RDTE/Electronics & Communication Eq-Advanc		8,300
		STATE TOTAL				49,420
	EATON CORPORATION	New York	ARMY	RDTE/Electronics & Communication Eq-Advanc		1,366
	EDAL INDUSTRIES INCORPORATED	Conn	USAF	RDTE/Electronics & Communication Eq-Advanc		34-
	EER SYSTEMS CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Advanc		201
	ELECTRO-RADIATION INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Advanc		468
	ENGINEERING & ECONOMICS RES	Virginia	ARMY	RDTE/Electronics & Communication Eq-Advanc		562
	ENGINEERING & PROFESSIONAL SVC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Advanc		509
	ENTRANCE CONTROLS INC	Washington	NAVY	RDTE/Electronics & Communication Eq-Advanc		75
	ENVIRNMENTAL RES INST OF MICH	Michigan	USAF	RDTE/Electronics & Communication Eq-Advanc		4,380

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC63 (CONTINUED)						
	ESL INCORPORATED	California	ARMY	RDTE/Electronics & Communication Eq-Advanc	$	54,987
	FIBERTEK INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Advanc		1,960
			NAVY	RDTE/Electronics & Communication Eq-Advanc		939
			USAF	RDTE/Electronics & Communication Eq-Advanc		1,270
		STATE TOTAL				4,169
	FOSTER MILLER INC	Mass	NAVY	RDTE/Electronics & Communication Eq-Advanc		500
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Advanc		927
	GENERAL ELCTRC-RCA TECH LAB JV	New Jersey	USAF	RDTE/Electronics & Communication Eq-Advanc		2,600
	GENERAL ELECTRIC COMPANY	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Advanc		284
			NAVY	RDTE/Electronics & Communication Eq-Advanc		29,765
			USAF	RDTE/Electronics & Communication Eq-Advanc		832
		STATE TOTAL				30,881
		New York	ARMY	RDTE/Electronics & Communication Eq-Advanc		790
			USAF	RDTE/Electronics & Communication Eq-Advanc		1,535
		STATE TOTAL				2,325
	CONTRACTOR TOTAL					33,206
	GENERAL MOTORS CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Advanc		475
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/Electronics & Communication Eq-Advanc		104
	GEORGIA TECH RESEARCH CORP	Georgia	USAF	RDTE/Electronics & Communication Eq-Advanc		4,050
	GOULD INC	Illinois	USAF	RDTE/Electronics & Communication Eq-Advanc		250
	GTE GOVERNMENT SYSTEMS CORP	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		152
			USAF	RDTE/Electronics & Communication Eq-Advanc		419
		STATE TOTAL				571
		Mass	NAVY	RDTE/Electronics & Communication Eq-Advanc		50
	CONTRACTOR TOTAL					622
	HARRIS CORPORATION	Florida	USAF	RDTE/Electronics & Communication Eq-Advanc		141
		New York	NAVY	RDTE/Electronics & Communication Eq-Advanc		1,964

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC63 (CONTINUED)						
	CONTRACTOR TOTAL				$	2,105
	HAZELTINE CORPORATION	New York	USAF	RDTE/Electronics & Communication Eq-Advanc		4,364
	HITTITE MICROWAVE CORPORATION	Mass	NAVY	RDTE/Electronics & Communication Eq-Advanc		217
	HOLOMAX LTD	CANADA	USAF	RDTE/Electronics & Communication Eq-Advanc		458
	HONEYWELL INC	Minnesota	NAVY	RDTE/Electronics & Communication Eq-Advanc		1,175
			USAF	RDTE/Electronics & Communication Eq-Advanc		1,673
		STATE TOTAL				2,848
		New Mexico	ARMY	RDTE/Electronics & Communication Eq-Advanc		1,847
	CONTRACTOR TOTAL					4,694
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Electronics & Communication Eq-Advanc		6,458
			NAVY	RDTE/Electronics & Communication Eq-Advanc		5,667
			USAF	RDTE/Electronics & Communication Eq-Advanc		15,146
		STATE TOTAL				27,270
	HUGHES DANBURY OPTICAL SYSTEMS	Conn	USAF	RDTE/Electronics & Communication Eq-Advanc		335
	INNOVATIVE INFORMATION SYS	California	USAF	RDTE/Electronics & Communication Eq-Advanc		322
	INTEGRATED SYSTEM RESEARCH	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Advanc		423
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/Electronics & Communication Eq-Advanc		1,400
			USAF	RDTE/Electronics & Communication Eq-Advanc		5,551
		STATE TOTAL				6,951
		Virginia	USAF	RDTE/Electronics & Communication Eq-Advanc		571
	CONTRACTOR TOTAL					7,522
	ITT CORPORATION	New Jersey	USAF	RDTE/Electronics & Communication Eq-Advanc		2,662
		Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		625
	CONTRACTOR TOTAL					3,287
	LABTEK CORP	Conn	ARMY	RDTE/Electronics & Communication Eq-Advanc		195
	LITTON SYSTEMS INC	California	USAF	RDTE/Electronics & Communication Eq-Advanc		275

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC63 (CONTINUED)						
	LOCKHEED MISSILES & SPACE CO	Texas	ARMY	RDTE/Electronics & Communication Eq-Advanc	$	2,660
	LOCKHEED SANDERS INC	N.H.	ARMY	RDTE/Electronics & Communication Eq-Advanc		9,141
			NAVY	RDTE/Electronics & Communication Eq-Advanc		789
			USAF	RDTE/Electronics & Communication Eq-Advanc		2,860
		STATE TOTAL				12,790
	LORAL AEROSPACE CORP	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		221
			USAF	RDTE/Electronics & Communication Eq-Advanc		50
		STATE TOTAL				271
	LORAL CORP	Arizona	USAF	RDTE/Electronics & Communication Eq-Advanc		2,329
		California	USAF	RDTE/Electronics & Communication Eq-Advanc		170
		Mass	USAF	RDTE/Electronics & Communication Eq-Advanc		318
		New York	USAF	RDTE/Electronics & Communication Eq-Advanc		3,739
		Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		335
	CONTRACTOR TOTAL					6,891
	M T L SYSTEMS INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		33
	MAC AULAY BROWN INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		251
	MALIBU RESEARCH ASSOCIATES	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		350
			USAF	RDTE/Electronics & Communication Eq-Advanc		362
		STATE TOTAL				712
	MARCONI UNDERWATER SYSTEMS LTD	UNITED KIN	NAVY	RDTE/Electronics & Communication Eq-Advanc		962
	MARLOW INDUSTRIES INC	Texas	ARMY	RDTE/Electronics & Communication Eq-Advanc		1,127
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Electronics & Communication Eq-Advanc		2,974
		Florida	USAF	RDTE/Electronics & Communication Eq-Advanc		2,657
		Maryland	USAF	RDTE/Electronics & Communication Eq-Advanc		254
		Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		633
	CONTRACTOR TOTAL					6,518

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC63 (CONTINUED)						
	MC CALL OMAR & ASSOCIATES	Maryland	ARMY	RDTE/Electronics & Communication Eq-Advanc	$	311
	MCDONNELL AIRCRAFT COMPANY	Missouri	USAF	RDTE/Electronics & Communication Eq-Advanc		490
	MCDONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/Electronics & Communication Eq-Advanc		223
	MCDONNELL DOUGLAS SPACE SYS CO	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		73
	MERCER UNIVERSITY	Georgia	USAF	RDTE/Electronics & Communication Eq-Advanc		267
	MERIT TECHNOLOGY INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		45
	MIAMI VALLEY RESEARCH INST	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		800
	MIRAGE SYSTEMS	California	USAF	RDTE/Electronics & Communication Eq-Advanc		201
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Advanc		258
		New Mexico	NAVY	RDTE/Electronics & Communication Eq-Advanc		94
	CONTRACTOR TOTAL					352
	MOTOROLA INC	Arizona	NAVY	RDTE/Electronics & Communication Eq-Advanc		2,672
			USAF	RDTE/Electronics & Communication Eq-Advanc		495
	STATE TOTAL					3,168
	NAVCOM DEFENSE ELECTRONICS	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		380
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/Electronics & Communication Eq-Advanc		450
		Michigan	USAF	RDTE/Electronics & Communication Eq-Advanc		171
	CONTRACTOR TOTAL					621
	NITOR	California	USAF	RDTE/Electronics & Communication Eq-Advanc		994
	NORDEN SYSTEMS INC	New York	NAVY	RDTE/Electronics & Communication Eq-Advanc		6,394
	NORTHROP CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Advanc		1,079
			USAF	RDTE/Electronics & Communication Eq-Advanc		2,576
	STATE TOTAL					3,655
		Illinois	USAF	RDTE/Electronics & Communication Eq-Advanc		203
	CONTRACTOR TOTAL					3,858
	OCEAN REMOTE SENSING & ENGRG	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		450

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC63 (CONTINUED)						
	ONEIDA RESOURCES INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc	$	389
	OPTICAL CORP OF AMERICA	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		119
	PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/Electronics & Communication Eq-Advanc		2,396
	PARAMAX SYSTEMS CORP	Utah	USAF	RDTE/Electronics & Communication Eq-Advanc		2,202
	PHYSICAL OPTICS CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		150
	PLANNING SYSTEMS INCORPORATED	Maryland	NAVY	RDTE/Electronics & Communication Eq-Advanc		749
	PRESEARCH INCORPORATED	Maryland	NAVY	RDTE/Electronics & Communication Eq-Advanc		496
	PURVIS SYSTEMS INCORPORATED	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		275
	Q SOURCE INC	Conn	USAF	RDTE/Electronics & Communication Eq-Advanc		235
	QUALCOMM INC	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		50
			USAF	RDTE/Electronics & Communication Eq-Advanc		158
		STATE TOTAL				208
	QUESTECH INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		1,454
	RACAL DANA INSTRUMENTS INC	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		56
	RAYTHEON COMPANY	California	USAF	RDTE/Electronics & Communication Eq-Advanc		1,252
		Mass	NAVY	RDTE/Electronics & Communication Eq-Advanc		26,299
			USAF	RDTE/Electronics & Communication Eq-Advanc		15,367
		STATE TOTAL				41,666
		Rhode Isld	NAVY	RDTE/Electronics & Communication Eq-Advanc		4,239
	CONTRACTOR TOTAL					47,156
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/Electronics & Communication Eq-Advanc		674
			NAVY	RDTE/Electronics & Communication Eq-Advanc		810
			USAF	RDTE/Electronics & Communication Eq-Advanc		619
		STATE TOTAL				2,103
		Texas	NAVY	RDTE/Electronics & Communication Eq-Advanc		4,997
			USAF	RDTE/Electronics & Communication Eq-Advanc		1,356

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
		STATE TOTAL			$ 6,353
	CONTRACTOR TOTAL				8,456
	SCI TEC INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Advanc	2,135
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Electronics & Communication Eq-Advanc	10,755
			USAF	RDTE/Electronics & Communication Eq-Advanc	1,771
		STATE TOTAL			12,526
		Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc	3,314
		Virginia	ARMY	RDTE/Electronics & Communication Eq-Advanc	130
	CONTRACTOR TOTAL				15,970
	SCIENTIFIC-ATLANTA INC	Georgia	USAF	RDTE/Electronics & Communication Eq-Advanc	969
	SCOPE INCORPORATED	Virginia	USAF	RDTE/Electronics & Communication Eq-Advanc	219
	SIPPICAN INC	Mass	NAVY	RDTE/Electronics & Communication Eq-Advanc	556
	SIXD B CORP	Maryland	NAVY	RDTE/Electronics & Communication Eq-Advanc	400
	SOFTECH INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc	920
		Texas	USAF	RDTE/Electronics & Communication Eq-Advanc	300
	CONTRACTOR TOTAL				1,220
	SOFTWARE COMPOSITIONS	Florida	ARMY	RDTE/Electronics & Communication Eq-Advanc	225
	SONNET SOFTWARE INC	New York	NAVY	RDTE/Electronics & Communication Eq-Advanc	58
	SPACE APPLICATIONS CORPORATION	Washington	ARMY	RDTE/Electronics & Communication Eq-Advanc	250
	SPARTON CORPORATION	Michigan	NAVY	RDTE/Electronics & Communication Eq-Advanc	4,020
	SRI INTERNATIONAL	California	ARMY	RDTE/Electronics & Communication Eq-Advanc	4,507
	STANFORD TELECOMMUNICATIONS	California	USAF	RDTE/Electronics & Communication Eq-Advanc	7,300
	SUMMIT RESEARCH CORPORATION	Maryland	NAVY	RDTE/Electronics & Communication Eq-Advanc	80
	SVERDRUP CORPORATION	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc	454

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC63 (CONTINUED)						
	SYRACUSE RESEARCH CORP	New York	ARMY	RDTE/Electronics & Communication Eq-Advanc	$	2,140
	SYSTEM PLANNING CORPORATION	Virginia	USAF	RDTE/Electronics & Communication Eq-Advanc		430
	TASC	Mass	USAF	RDTE/Electronics & Communication Eq-Advanc		1,659
	TAU CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Advanc		100
	TEC MASTERS INC	Alabama	ARMY	RDTE/Electronics & Communication Eq-Advanc		188
	TERRA TEK INC	Utah	NAVY	RDTE/Electronics & Communication Eq-Advanc		237
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Electronics & Communication Eq-Advanc		3,000
			NAVY	RDTE/Electronics & Communication Eq-Advanc		190
			USAF	RDTE/Electronics & Communication Eq-Advanc		1,163
		STATE TOTAL				4,352
	TEXCOM INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Advanc		503
	TEXTRON INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Advanc		133
			USAF	RDTE/Electronics & Communication Eq-Advanc		1,813
		STATE TOTAL				1,946
	TITAN CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Advanc		99
	TRACOR AEROSPACE INC	Texas	USAF	RDTE/Electronics & Communication Eq-Advanc		325
	TREMETRICS INC	Texas	USAF	RDTE/Electronics & Communication Eq-Advanc		251
	TRW INC	California	USAF	RDTE/Electronics & Communication Eq-Advanc		2,826
		Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		936
	CONTRACTOR TOTAL					3,762
	UNITED INFORMATION SYSTEMS	Maryland	NAVY	RDTE/Electronics & Communication Eq-Advanc		499
	UNITED TECHNOLOGIES CORP	Florida	USAF	RDTE/Electronics & Communication Eq-Advanc		13,324
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/Electronics & Communication Eq-Advanc		170
	VARIAN ASSOCIATES INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Advanc		75
	VEDA INCORPORATED	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		4,789

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Directorate for Information
Operations and Reports

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC63 (CONTINUED)						
	VIASAT INC	California	NAVY	RDTE/Electronics & Communication Eq-Advanc	$	410
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/Electronics & Communication Eq-Advanc		10,907
			NAVY	RDTE/Electronics & Communication Eq-Advanc		39
			USAF	RDTE/Electronics & Communication Eq-Advanc		7,122
		STATE TOTAL				18,068
	WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/Electronics & Communication Eq-Advanc		220
	XACTOR CORPORATION	Mass	USAF	RDTE/Electronics & Communication Eq-Advanc		160
	XETRON CORPORATION	Ohio	ARMY	RDTE/Electronics & Communication Eq-Advanc		2,753
R&D TOTAL						496,754
AC64	ADROIT SYSTEMS INC	Arizona	NAVY	RDTE/Electronics & Communication Eq-Engr D		372
	ADVANCED SYSTEMS DEVELOPMENT	New York	USAF	RDTE/Electronics & Communication Eq-Engr D		55
	AHNTECH INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		282-
	ALLIANT TECHSYSTEMS INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D		510
	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D		4,479
	AMERICAN ERECTORS & CONTRACT	Minnesota	NAVY	RDTE/Electronics & Communication Eq-Engr D		226
	AMERICAN SYSTEMS CORPORATION	Virginia	USAF	RDTE/Electronics & Communication Eq-Engr D		224
	AMERICAN TELEPHONE & TELG CO	New Jersey	NAVY	RDTE/Electronics & Communication Eq-Engr D		2,461
			USAF	RDTE/Electronics & Communication Eq-Engr D		380
		STATE TOTAL				2,841
		N Carolina	NAVY	RDTE/Electronics & Communication Eq-Engr D		117,297
			USAF	RDTE/Electronics & Communication Eq-Engr D		37
		STATE TOTAL				117,333
	CONTRACTOR TOTAL					120,174
	ANDRULIS RESEARCH CORPORATION	Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D		1,485
		Texas	NAVY	RDTE/Electronics & Communication Eq-Engr D		200
	CONTRACTOR TOTAL					1,685

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC64 (CONTINUED)						
	APPLIED SIGNAL TECHNOLOGY INC	California	ARMY	RDTE/Electronics & Communication Eq-Engr D	$	315
	ARINC RESEARCH CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		26-
		Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D		847
	CONTRACTOR TOTAL					821
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D		50
	BALL CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Engr D		281
		Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D		759
	CONTRACTOR TOTAL					1,040
	BLACK & DECKER CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		1,358
	BOEING AEROSPACE OPERATIONS	Washington	NAVY	RDTE/Electronics & Communication Eq-Engr D		23,544
			USAF	RDTE/Electronics & Communication Eq-Engr D		45,013
		STATE TOTAL				68,557
	BOEING COMPANY THE	Kansas	USAF	RDTE/Electronics & Communication Eq-Engr D		665
		Washington	USAF	RDTE/Electronics & Communication Eq-Engr D		1,000
	CONTRACTOR TOTAL					1,665
	BOLT BERANEK & NEWMAN INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		723
	BOOZ ALLEN & HAMILTON INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D		65-
	BOSE CORPORATION	Mass	USAF	RDTE/Electronics & Communication Eq-Engr D		1,519
	BTG INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D		146
	CALSPAN CORPORATION	New York	USAF	RDTE/Electronics & Communication Eq-Engr D		9,224
	CANADIAN COMMERCIAL CORPORATI	CANADA	NAVY	RDTE/Electronics & Communication Eq-Engr D		1,152
			USAF	RDTE/Electronics & Communication Eq-Engr D		233
		STATE TOTAL				1,385
	CERIDIAN CORPORATION	Minnesota	NAVY	RDTE/Electronics & Communication Eq-Engr D		5,267
			USAF	RDTE/Electronics & Communication Eq-Engr D		649
		STATE TOTAL				5,916

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC64 (CONTINUED)						
	CFM INTERNATIONAL INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D	$	7,178
	CLARK ATLANTA UNIVERSITY INC	Georgia	ARMY	RDTE/Electronics & Communication Eq-Engr D		98
	COMARCO INC	Arizona	ARMY	RDTE/Electronics & Communication Eq-Engr D		2,430
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		2,182
		New Jersey	NAVY	RDTE/Electronics & Communication Eq-Engr D		2,207
			USAF	RDTE/Electronics & Communication Eq-Engr D		6,781
		STATE TOTAL				8,988
	CONTRACTOR TOTAL					11,170
	CONTEL CORPORATION	Colorado	USAF	RDTE/Electronics & Communication Eq-Engr D		883
		Virginia	USAF	RDTE/Electronics & Communication Eq-Engr D		140
	CONTRACTOR TOTAL					1,022
	CONTRAVES USA INC	Mass	USAF	RDTE/Electronics & Communication Eq-Engr D		800
	CUBIC CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		850
	DCS CORPORATION	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D		627
	DEFENSE ANALYSIS CORPORATION	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D		926
	DIGITAL WIZARDS INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		2,217
	DONNELL & ASSOC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D		246
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/Electronics & Communication Eq-Engr D		170
	E-SYSTEMS INC	Florida	USAF	RDTE/Electronics & Communication Eq-Engr D		17,577
		Utah	NAVY	RDTE/Electronics & Communication Eq-Engr D		2,075
	CONTRACTOR TOTAL					19,652
	EATON CORPORATION	New York	NAVY	RDTE/Electronics & Communication Eq-Engr D		8,000
	EDO WESTERN CORPORATION	Utah	NAVY	RDTE/Electronics & Communication Eq-Engr D		376
	EG&G WASHINGTON ANALYTICAL SVC	Conn	NAVY	RDTE/Electronics & Communication Eq-Engr D		83-
	ELECTRO RADIATION INC	New Jersey	USAF	RDTE/Electronics & Communication Eq-Engr D		95

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC64 (CONTINUED)						
	ENGINEERING TECHNOLOGIES INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D	$	353
	ENSCO INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D		53-
	ERC INTERNATIONAL INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		2,874
	ESL INCORPORATED	California	ARMY	RDTE/Electronics & Communication Eq-Engr D		164
	ETA TECHNOLOGIES CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		287
	FAIRCHILD INDUSTRIES INC	Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D		58
	G E COMPANY	New York	NAVY	RDTE/Electronics & Communication Eq-Engr D		280
	GALAXY SCIENTIFIC CORP	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		689
		New Jersey	NAVY	RDTE/Electronics & Communication Eq-Engr D		465
		Penn	NAVY	RDTE/Electronics & Communication Eq-Engr D		296
	CONTRACTOR TOTAL					1,450
	GEC MARCONI CO LTD	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D		2,868
	GEC MARCONI ELECT SYS	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D		1,128
			USAF	RDTE/Electronics & Communication Eq-Engr D		53,384
	STATE TOTAL					54,512
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/Electronics & Communication Eq-Engr D		8,769
	GENERAL ELECTRIC CO PLC THE	CANADA	USAF	RDTE/Electronics & Communication Eq-Engr D		3,564
	GENERAL ELECTRIC COMPANY	Mass	NAVY	RDTE/Electronics & Communication Eq-Engr D		39,515
		New Jersey	USAF	RDTE/Electronics & Communication Eq-Engr D		447
		New York	NAVY	RDTE/Electronics & Communication Eq-Engr D		7,116
	CONTRACTOR TOTAL					47,077
	GENERAL MICRO SYSTEMS INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		88
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Electronics & Communication Eq-Engr D		1,127
	GLOBAL INFO SYSTEMS TECHNOLOGY	Illinois	USAF	RDTE/Electronics & Communication Eq-Engr D		2,840

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	GRECO SYSTEMS	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	$ 56
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/Electronics & Communication Eq-Engr D	4,730
			USAF	RDTE/Electronics & Communication Eq-Engr D	448,933
		STATE TOTAL			453,663
	GRUMMAN DATA SYSTEMS CORP	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D	7,939
	GTE GOVERNMENT SYSTEMS CORP	California	ARMY	RDTE/Electronics & Communication Eq-Engr D	120
		Colorado	USAF	RDTE/Electronics & Communication Eq-Engr D	465
		Mass	ARMY	RDTE/Electronics & Communication Eq-Engr D	2,846
	CONTRACTOR TOTAL				3,431
	HARRIS CORPORATION	Florida	NAVY	RDTE/Electronics & Communication Eq-Engr D	465
			USAF	RDTE/Electronics & Communication Eq-Engr D	1,119
		STATE TOTAL			1,584
	HARRIS MAGNAVOX SYSTEMS CO JV	Florida	USAF	RDTE/Electronics & Communication Eq-Engr D	6,048
	HEWLETT-PACKARD COMPANY	Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D	30
		Mass	NAVY	RDTE/Electronics & Communication Eq-Engr D	84
	CONTRACTOR TOTAL				114
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Electronics & Communication Eq-Engr D	23,551
			NAVY	RDTE/Electronics & Communication Eq-Engr D	43,205
		STATE TOTAL			66,756
		Mass	USAF	RDTE/Electronics & Communication Eq-Engr D	1,072
		Minnesota	ARMY	RDTE/Electronics & Communication Eq-Engr D	1,750
	CONTRACTOR TOTAL				69,578
	HUGHES NETWORK SYSTEMS INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	10,081
	HUGHES TRAINING SYS INC	Minnesota	ARMY	RDTE/Electronics & Communication Eq-Engr D	400
	I I T RESEARCH INSTITUTE	Illinois	NAVY	RDTE/Electronics & Communication Eq-Engr D	5,358

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC64 (CONTINUED)						
	I R I CORP	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	$	150
	ILLGEN SIMULATION TECHNOLOGIES	Florida	USAF	RDTE/Electronics & Communication Eq-Engr D		244
	INFORMTION SYSTEMS NTWRKS CORP	Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D		95
	INTERMETRICS INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D		462
		Penn	NAVY	RDTE/Electronics & Communication Eq-Engr D		1,632
	CONTRACTOR TOTAL					2,094
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/Electronics & Communication Eq-Engr D		18,691
			USAF	RDTE/Electronics & Communication Eq-Engr D		100
		STATE TOTAL				18,791
		Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D		58,714
	CONTRACTOR TOTAL					77,505
	INTERSTATE ELECTRONICS CORP	California	USAF	RDTE/Electronics & Communication Eq-Engr D		9,828
	IRI INTERNATIONAL CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		188
	ISRAEL AIRCRAFT INDUSTRIES LTD	ISRAEL	NAVY	RDTE/Electronics & Communication Eq-Engr D		4,331
	ITT CORPORATION	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D		11,323
		S ARABIA	ARMY	RDTE/Electronics & Communication Eq-Engr D		75
	CONTRACTOR TOTAL					11,398
	KEARFOTT GUIDANCE & NAVIGATION	Mass	USAF	RDTE/Electronics & Communication Eq-Engr D		3,390
		New Jersey	NAVY	RDTE/Electronics & Communication Eq-Engr D		4,515
			USAF	RDTE/Electronics & Communication Eq-Engr D		33,372
		STATE TOTAL				37,887
	CONTRACTOR TOTAL					41,278
	KETRON INC	Penn	USAF	RDTE/Electronics & Communication Eq-Engr D		390
	LITTON INDUSTRIES INC	California	ARMY	RDTE/Electronics & Communication Eq-Engr D		177
		S ARABIA	ARMY	RDTE/Electronics & Communication Eq-Engr D		125-

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	CONTRACTOR TOTAL				$ 52
	LITTON SYSTEMS INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	3,469
		Penn	NAVY	RDTE/Electronics & Communication Eq-Engr D	55
	CONTRACTOR TOTAL				3,524
	LOCKHEED MISSILES & SPACE CO	Texas	NAVY	RDTE/Electronics & Communication Eq-Engr D	12,744
	LOCKHEED SANDERS INC	N.H.	ARMY	RDTE/Electronics & Communication Eq-Engr D	10,777
			NAVY	RDTE/Electronics & Communication Eq-Engr D	5,932
			USAF	RDTE/Electronics & Communication Eq-Engr D	6,535
		STATE TOTAL			23,244
	LORAL AEROSPACE CORP	California	USAF	RDTE/Electronics & Communication Eq-Engr D	160
	LORAL CORP	California	ARMY	RDTE/Electronics & Communication Eq-Engr D	89
		Colorado	USAF	RDTE/Electronics & Communication Eq-Engr D	29,723
		New York	USAF	RDTE/Electronics & Communication Eq-Engr D	2,861
		Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D	29
		Penn	ARMY	RDTE/Electronics & Communication Eq-Engr D	2,352
	CONTRACTOR TOTAL				35,054
	LOS ALAMOS NATIONAL	New Mexico	USAF	RDTE/Electronics & Communication Eq-Engr D	145
	MAC AULAY BROWN INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D	2,156
	MAGNAVOX GOVT & INDSTRL ELCTR	California	ARMY	RDTE/Electronics & Communication Eq-Engr D	16,335
		Indiana	USAF	RDTE/Electronics & Communication Eq-Engr D	2,212
	CONTRACTOR TOTAL				18,547
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/Electronics & Communication Eq-Engr D	1,212
			USAF	RDTE/Electronics & Communication Eq-Engr D	24,800
		STATE TOTAL			26,012
		Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D	7,000

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	CONTRACTOR TOTAL				$ 33,012
	MAXIMA CORPORATION	Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D	817
	MCDONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/Electronics & Communication Eq-Engr D	46,264
			USAF	RDTE/Electronics & Communication Eq-Engr D	4,307
	STATE TOTAL				50,571
	MIAMI VALLEY RESEARCH INST	Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D	720
	MICHIGAN STATE UNIVERSITY	Michigan	USAF	RDTE/Electronics & Communication Eq-Engr D	105
	MITECH INC	D.C.	NAVY	RDTE/Electronics & Communication Eq-Engr D	63
	MOTOROLA INC	Arizona	USAF	RDTE/Electronics & Communication Eq-Engr D	485
	MTS SYSTEMS CORPORATION	Minnesota	ARMY	RDTE/Electronics & Communication Eq-Engr D	595
	NATION INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D	350
	NEWPORT ELECTRO OPTIC SYSTEMS	Florida	NAVY	RDTE/Electronics & Communication Eq-Engr D	34
	NORTHROP CORPORATION	Illinois	USAF	RDTE/Electronics & Communication Eq-Engr D	10,376
	ODYSSEY RESEARCH ASSOCIATES	New York	NAVY	RDTE/Electronics & Communication Eq-Engr D	118
	OGDEN GOVERNMENT SERVICES CIRP	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	246
	PACIFIC SCIENCE & ENGRG GROUP	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	85
	PARAMAX SYSTEMS CORP	Minnesota	NAVY	RDTE/Electronics & Communication Eq-Engr D	2,858
	PENN COMPUTER ASSOCIATES INC	Penn	NAVY	RDTE/Electronics & Communication Eq-Engr D	125
	PENNSYLVANIA STATE UNIVERSITY	Penn	ARMY	RDTE/Electronics & Communication Eq-Engr D	146
	PHYSICAL SCIENCES INC	Washington	USAF	RDTE/Electronics & Communication Eq-Engr D	300
	PIEZO TECHNOLOGY INC	Florida	USAF	RDTE/Electronics & Communication Eq-Engr D	106
	POLAR ASSOCIATES	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	1,878
	PRC INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	2,942
		Penn	NAVY	RDTE/Electronics & Communication Eq-Engr D	90-

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	CONTRACTOR TOTAL				$ 2,852
	PREDICTION SYSTEMS INC	New Jersey	ARMY	RDTE/Electrorics & Communication Eq-Engr D	806
	PRESEARCH INCORPORATED	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D	627
	PSI TECHNOLOGIES INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D	64
	PURVIS SYSTEMS INCORPORATED	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	440
		Conn	NAVY	RDTE/Electronics & Communication Eq-Engr D	241
	CONTRACTOR TOTAL				681
	QUANTUM DIAGNOSTICS LTD	New York	ARMY	RDTE/Electronics & Communication Eq-Engr D	84
	QUESTECH INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D	731
	RAYTHEON COMPANY	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	833
			USAF	RDTE/Electronics & Communication Eq-Engr D	312-
		STATE TOTAL			522
		Mass	NAVY	RDTE/Electronics & Communication Eq-Engr D	18,567
			USAF	RDTE/Electronics & Communication Eq-Engr D	17,961
		STATE TOTAL			36,528
		Rhode Isld	NAVY	RDTE/Electronics & Communication Eq-Engr D	10,560
	CONTRACTOR TOTAL				47,610
	RESEARCH TRIANGLE INSTITUTE	N Carolina	NAVY	RDTE/Electronics & Communication Eq-Engr D	30
	RF MICROSYSTEMS INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	284
	ROCKWELL INTERNATIONAL CORP	Iowa	NAVY	RDTE/Electronics & Communication Eq-Engr D	4,529
			USAF	RDTE/Electronics & Communication Eq-Engr D	99,807
		STATE TOTAL			104,336
	RUTGERS STATE UNIVERSITY OF NJ	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D	50
	RUTGERS THE STATE UNIVERSITY	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Engr D	70
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	8,458

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC64 (CONTINUED)						
		Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D	$	1,199
	CONTRACTOR TOTAL					9,657
	SCIENTIFIC COMPUTING ASSOC	Conn	NAVY	RDTE/Electronics & Communication Eq-Engr D		59
	SCOPE INCORPORATED	Virginia	ARMY	RDTE/Electronics & Communication Eq-Engr D		217
			NAVY	RDTE/Electronics & Communication Eq-Engr D		30
		STATE TOTAL				247
	SEMCOR INC	New Jersey	NAVY	RDTE/Electronics & Communication Eq-Engr D		1,083
	SEQUENTIAL INFORMATION SYSTEMS	New York	USAF	RDTE/Electronics & Communication Eq-Engr D		736
	SMITHS INDUSTRIES INC USA	Michigan	USAF	RDTE/Electronics & Communication Eq-Engr D		7,044
	SOFTECH INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		999
		Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D		40
	CONTRACTOR TOTAL					1,038
	SONALYSTS INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		1,817
	SONITECH INTERNATIONAL	Mass	NAVY	RDTE/Electronics & Communication Eq-Engr D		141
	SOUTHERN RESEARCH TECHNOLOGIES	Florida	USAF	RDTE/Electronics & Communication Eq-Engr D		61
	SPARTA INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		51
	SPARTON CORPORATION	Indiana	NAVY	RDTE/Electronics & Communication Eq-Engr D		3,145
		Penn	NAVY	RDTE/Electronics & Communication Eq-Engr D		1,583
	CONTRACTOR TOTAL					4,728
	SPECTRUM TECHNOLOGY INC	California	USAF	RDTE/Electronics & Communication Eq-Engr D		192
	SPERRY MARINE INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D		3,543
	STEWART & STEVENSON SVCS INC	Texas	ARMY	RDTE/Electronics & Communication Eq-Engr D		3,100
	SUMARIA SYSTEMS INC	Mass	USAF	RDTE/Electronics & Communication Eq-Engr D		1,616
	SYNETICS CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		1,117

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	SYSTEM EXPLORATION INTL	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	$ 2,838
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Engr D	708
	TASC	Mass	USAF	RDTE/Electronics & Communication Eq-Engr D	248
	TELEDYNE INDUSTRIES INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	59
	TELEPHONICS CORPORATION	New York	NAVY	RDTE/Electronics & Communication Eq-Engr D	485
	TELESOFT	N.H.	NAVY	RDTE/Electronics & Communication Eq-Engr D	40
	TEXAS INSTRS WESTINGHOUSE JV	Texas	USAF	RDTE/Electronics & Communication Eq-Engr D	38-
	TEXAS INSTRUMENTS INCORPORATED	Colorado	NAVY	RDTE/Electronics & Communication Eq-Engr D	3,800
		Texas	ARMY	RDTE/Electronics & Communication Eq-Engr D	50
			NAVY	RDTE/Electronics & Communication Eq-Engr D	44,469
	STATE TOTAL				44,519
	CONTRACTOR TOTAL				48,319
	TEXTRON INC	New York	NAVY	RDTE/Electronics & Communication Eq-Engr D	524
	THIN FILM CONCEPTS INC	New York	NAVY	RDTE/Electronics & Communication Eq-Engr D	49
	TIBURON SYSTEMS INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D	119
	TRACOR AEROSPACE INC	Texas	USAF	RDTE/Electronics & Communication Eq-Engr D	1,779
	TRACOR APPLIED SCIENCES INC	Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D	798
		Texas	USAF	RDTE/Electronics & Communication Eq-Engr D	321
	CONTRACTOR TOTAL				1,118
	TRANSTECH PARALLEL SYSTEMS	New York	NAVY	RDTE/Electronics & Communication Eq-Engr D	840
	TRANSTECHNOLOGY CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Engr D	34-
	TRIDENT SYSTEMS INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Engr D	58
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/Electronics & Communication Eq-Engr D	2,759
	VARO INC	Texas	ARMY	RDTE/Electronics & Communication Eq-Engr D	28,195

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC64 (CONTINUED)						
	VEDA INCORPORATED	Ohio	USAF	RDTE/Electronics & Communication Eq-Engr D	$	1,680
		Virginia	USAF	RDTE/Electronics & Communication Eq-Engr D		115
	CONTRACTOR TOTAL					1,795
	VGS INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Engr D		293
	VISICOM LABORATORIES INC	California	NAVY	RDTE/Electronics & Communication Eq-Engr D		4,300
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/Electronics & Communication Eq-Engr D		2,636
			USAF	RDTE/Electronics & Communication Eq-Engr D		3,594
	STATE TOTAL					6,231
		Ohio	NAVY	RDTE/Electronics & Communication Eq-Engr D		2,773
	CONTRACTOR TOTAL					9,004
	WHITTAKER CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Engr D		1,607
	WIDE BAND SYSTEMS INC	Conn	NAVY	RDTE/Electronics & Communication Eq-Engr D		160
	XINOTECH RESEARCH INC	Minnesota	NAVY	RDTE/Electronics & Communication Eq-Engr D		287
R&D TOTAL						1,606,461
AC65	AEL INDUSTRIES INC	Penn	ARMY	RDTE/Electronics & Communication Eq-Op Sys		273
	AEPCO INC	Maryland	NAVY	RDTE/Electronics & Communication Eq-Op Sys		126
	AEROSPACE MASS PRPTS ANALIS	Penn	NAVY	RDTE/Electronics & Communication Eq-Op Sys		750
	ALLIANT TECHSYSTEMS INC	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Op Sys		73
	AMERICAN TELEPHONE & TELG CO	N Carolina	NAVY	RDTE/Electronics & Communication Eq-Op Sys		4,817
	ARETE ASSOCIATES	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		633
	ARINC RESEARCH CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		45
	ASTRON CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Op Sys		93
	ATLANTIC RESEARCH CORPORATION	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Op Sys		414
	AVCO CORPORATION	Mass	ARMY	RDTE/Electronics & Communication Eq-Op Sys		125

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC65 (CONTINUED)						
	BALL CORPORATION	Colorado	NAVY	RDTE/Electronics & Communication Eq-Op Sys	$	7,184
	BENDIX FIELD ENGINEERING CORP	Maryland	NAVY	RDTE/Electronics & Communication Eq-Op Sys		62
	BLACK & DECKER CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Op Sys		234
	BOLT BERANEK & NEWMAN INC	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		1,800
	C M ENGINEERING CO	New Mexico	USAF	RDTE/Electronics & Communication Eq-Op Sys		87
	CABLE & COMPUTER TECHNOLOGY	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		35
	CANADIAN COMMERCIAL CORPORATI	CANADA	NAVY	RDTE/Electronics & Communication Eq-Op Sys		2,002
	CARNEGIE MELLON UNIVERSITY	Penn	NAVY	RDTE/Electronics & Communication Eq-Op Sys		100
	CHRONOMETRICS INC	Maryland	ARMY	RDTE/Electronics & Communication Eq-Op Sys		225
	COLEMAN RESEARCH CORPORATION	New Mexico	ARMY	RDTE/Electronics & Communication Eq-Op Sys		851
	COLLINS SYSTEMS INTERNATIONAL	Texas	USAF	RDTE/Electronics & Communication Eq-Op Sys		3,026
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		1,282
	COMPUTER SYSTEMS INTERNATIONAL	California	ARMY	RDTE/Electronics & Communication Eq-Op Sys		806
	COMPUTING DEVICES CANADA LTD	CANADA	NAVY	RDTE/Electronics & Communication Eq-Op Sys		2,843
	CUBIC CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		893
	DBA SYSTEMS INC	Florida	USAF	RDTE/Electronics & Communication Eq-Op Sys		124
	DE LORME PUBLISHING COMPANY	Maine	ARMY	RDTE/Electronics & Communication Eq-Op Sys		100
	DOSS AVIATION INC	Alabama	ARMY	RDTE/Electronics & Communication Eq-Op Sys		2,044
	E-SYSTEMS INC	Texas	USAF	RDTE/Electronics & Communication Eq-Op Sys		345
		Virginia	ARMY	RDTE/Electronics & Communication Eq-Op Sys		107
	CONTRACTOR TOTAL					452
	EAGLE TECHNOLOGY INC	Florida	USAF	RDTE/Electronics & Communication Eq-Op Sys		884
		Virginia	USAF	RDTE/Electronics & Communication Eq-Op Sys		154
	CONTRACTOR TOTAL					1,037

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
	ENGINEERING TECHNOLOGIES INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Op Sys	$ 236
	ESL INCORPORATED	California	ARMY	RDTE/Electronics & Communication Eq-Op Sys	838
	FAIRCHILD INDUSTRIES INC	Maryland	NAVY	RDTE/Electronics & Communication Eq-Op Sys	440
	FAIRCHILD SPACE & DEF CORP	Maryland	NAVY	RDTE/Electronics & Communication Eq-Op Sys	170
	FORD H J ASSOCIATES INC	Ohio	USAF	RDTE/Electronics & Communication Eq-Op Sys	209
	FRONTIER ENGINEERING INC	Oklahoma	NAVY	RDTE/Electronics & Communication Eq-Op Sys	64
	GALAXY SCIENTIFIC CORP	New Jersey	NAVY	RDTE/Electronics & Communication Eq-Op Sys	335
		Penn	NAVY	RDTE/Electronics & Communication Eq-Op Sys	2,070
	CONTRACTOR TOTAL				2,405
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Op Sys	2,149
		Texas	USAF	RDTE/Electronics & Communication Eq-Op Sys	2,972
	CONTRACTOR TOTAL				5,121
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/Electronics & Communication Eq-Op Sys	1,941
			USAF	RDTE/Electronics & Communication Eq-Op Sys	39-
		STATE TOTAL			1,902
	GENERAL SIGNAL CORPORATION	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Op Sys	441
	GTE GOVERNMENT SYSTEMS CORP	Mass	ARMY	RDTE/Electronics & Communication Eq-Op Sys	1,484
			USAF	RDTE/Electronics & Communication Eq-Op Sys	31,044
		STATE TOTAL			32,528
		Virginia	ARMY	RDTE/Electronics & Communication Eq-Op Sys	795
	CONTRACTOR TOTAL				33,323
	GTE SYLVANIA COM PRODUCTS	Mass	USAF	RDTE/Electronics & Communication Eq-Op Sys	25,006
	HONEYWELL INC	Florida	NAVY	RDTE/Electronics & Communication Eq-Op Sys	92
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys	520,312
			USAF	RDTE/Electronics & Communication Eq-Op Sys	7,343
		STATE TOTAL			527,654

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC65 (CONTINUED)						
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Electronics & Communication Eq-Op Sys	$	40
	INFOTEC DEVELOPMENT INC	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		94
			USAF	RDTE/Electronics & Communication Eq-Op Sys		1,019
		STATE TOTAL				1,113
	INTERNATIONAL BUS MCHS CORP	New York	USAF	RDTE/Electronics & Communication Eq-Op Sys		27,849
	ITT CORPORATION	Indiana	ARMY	RDTE/Electronics & Communication Eq-Op Sys		813-
		New Jersey	NAVY	RDTE/Electronics & Communication Eq-Op Sys		57,969
	CONTRACTOR TOTAL					57,156
	K & L MICROWAVE INC	Maryland	NAVY	RDTE/Electronics & Communication Eq-Op Sys		30
	KEARFOTT GUIDANCE & NAVIGATION	New Jersey	NAVY	RDTE/Electronics & Communication Eq-Op Sys		43,399
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/Electronics & Communication Eq-Op Sys		80
	LITTON SYSTEMS INC	California	ARMY	RDTE/Electronics & Communication Eq-Op Sys		495
			NAVY	RDTE/Electronics & Communication Eq-Op Sys		94,450
			USAF	RDTE/Electronics & Communication Eq-Op Sys		2,881
		STATE TOTAL				97,826
	LOCKHEED MISSILES & SPACE CO	Texas	NAVY	RDTE/Electronics & Communication Eq-Op Sys		128
	LOCKHEED SANDERS INC	N.H.	ARMY	RDTE/Electronics & Communication Eq-Op Sys		6,931
			NAVY	RDTE/Electronics & Communication Eq-Op Sys		4,555
			USAF	RDTE/Electronics & Communication Eq-Op Sys		1,537
		STATE TOTAL				13,023
	LOGICON INC	California	USAF	RDTE/Electronics & Communication Eq-Op Sys		987
	LORAL AEROSPACE CORP	California	ARMY	RDTE/Electronics & Communication Eq-Op Sys		146
			USAF	RDTE/Electronics & Communication Eq-Op Sys		36,322
		STATE TOTAL				36,468
		Colorado	ARMY	RDTE/Electronics & Communication Eq-Op Sys		8,440
		Kansas	ARMY	RDTE/Electronics & Communication Eq-Op Sys		13,533
	CONTRACTOR TOTAL					58,441
	LORAL CORP	Mass	ARMY	RDTE/Electronics & Communication Eq-Op Sys		885

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC65 (CONTINUED)						
	LOS ALAMOS TECHNICAL ASSOC INC	New Mexico	USAF	RDTE/Electronics & Communication Eq-Op Sys	$	5,916
	M/A-COM INC	Mass	ARMY	RDTE/Electronics & Communication Eq-Op Sys		150
	MAGNAVOX GOVT & INDSTRL ELCTR	California	ARMY	RDTE/Electronics & Communication Eq-Op Sys		160-
		Indiana	ARMY	RDTE/Electronics & Communication Eq-Op Sys		35,227
	CONTRACTOR TOTAL					35,067
	MARTIN MARIETTA CORPORATION	Florida	USAF	RDTE/Electronics & Communication Eq-Op Sys		8,473
	MCDONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/Electronics & Communication Eq-Op Sys		39,594
	MILTOPE CORPORATION	New York	NAVY	RDTE/Electronics & Communication Eq-Op Sys		6,839
	MODERN TECHNOLOGIES CORP	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Op Sys		3,709
		Ohio	ARMY	RDTE/Electronics & Communication Eq-Op Sys		2,376
	CONTRACTOR TOTAL					6,085
	NCI INFORMATION SYSTEMS INC	Virginia	NAVY	RDTE/Electronics & Communication Eq-Op Sys		110
	OGDEN GOVERNMENT SERVICES CIRP	Virginia	NAVY	RDTE/Electronics & Communication Eq-Op Sys		450
	PACIFIC POWER SOURCE CORP	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		391
	PARAMAX SYSTEMS CORP	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		100
		New Mexico	NAVY	RDTE/Electronics & Communication Eq-Op Sys		223
		New York	NAVY	RDTE/Electronics & Communication Eq-Op Sys		1,000
			USAF	RDTE/Electronics & Communication Eq-Op Sys		64,896
		STATE TOTAL				65,896
		Virginia	USAF	RDTE/Electronics & Communication Eq-Op Sys		1,748
	CONTRACTOR TOTAL					67,967
	PENNSYLVANIA STATE UNIVERSITY	Penn	ARMY	RDTE/Electronics & Communication Eq-Op Sys		100
			NAVY	RDTE/Electronics & Communication Eq-Op Sys		18,990
		STATE TOTAL				19,090
		Texas	NAVY	RDTE/Electronics & Communication Eq-Op Sys		4,775

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Operations and Reports

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
	CONTRACTOR TOTAL				$ 23,864
	PHOENIX SYSTEMS TECHNOLOGY	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys	313
	POLAR ASSOCIATES	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys	1,095
	PRC INC	Oklahoma	ARMY	RDTE/Electronics & Communication Eq-Op Sys	233
		Virginia	ARMY	RDTE/Electronics & Communication Eq-Op Sys	6,380
	CONTRACTOR TOTAL				6,613
	PRC/ORI JV	Alabama	ARMY	RDTE/Electronics & Communication Eq-Op Sys	106
		Virginia	ARMY	RDTE/Electronics & Communication Eq-Op Sys	253
	CONTRACTOR TOTAL				359
	PRESEARCH INCORPORATED	Florida	NAVY	RDTE/Electronics & Communication Eq-Op Sys	1,049
	R J O ENTERPRISES INC	Maryland	ARMY	RDTE/Electronics & Communication Eq-Op Sys	6,996
	RAYTHEON COMPANY	Mass	NAVY	RDTE/Electronics & Communication Eq-Op Sys	76,703
			USAF	RDTE/Electronics & Communication Eq-Op Sys	9,832
		STATE TOTAL			86,534
	RESEARCH & DEV LABORATORIES	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys	183
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys	37-
		Iowa	ARMY	RDTE/Electronics & Communication Eq-Op Sys	8,224
			USAF	RDTE/Electronics & Communication Eq-Op Sys	1,103
		STATE TOTAL			9,328
		Texas	USAF	RDTE/Electronics & Communication Eq-Op Sys	400-
	CONTRACTOR TOTAL				8,891
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys	12,304
	SEMCOR INC	New Jersey	NAVY	RDTE/Electronics & Communication Eq-Op Sys	3,133
	SENSIS CORPORATION	New York	NAVY	RDTE/Electronics & Communication Eq-Op Sys	542
	SIERRA CYBERNETICS INC	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys	288

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC65 (CONTINUED)						
	SMITHS INDUSTRIES INC USA	Michigan	USAF	RDTE/Electronics & Communication Eq-Op Sys	$	1,444
	SRI INTERNATIONAL	California	ARMY	RDTE/Electronics & Communication Eq-Op Sys		150
			NAVY	RDTE/Electronics & Communication Eq-Op Sys		1,200
		STATE TOTAL				1,350
	SYSTEM RESOURCES CORPORATION	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Op Sys		4,140
	SYSTEMS ENGRG & MGT ASSOC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Op Sys		884
	SYSTEMS INTEGRATION & DEV INC	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		630
	SYSTEMS RES APPLICATIONS CORP	Virginia	ARMY	RDTE/Electronics & Communication Eq-Op Sys		114-
	T S C INC	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		487
	TECHNOLOGY APPLICATIONS SVC CO	Maryland	USAF	RDTE/Electronics & Communication Eq-Op Sys		51
	TELENEX CORP	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Op Sys		486
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Electronics & Communication Eq-Op Sys		220
	TIBURON SYSTEMS INC	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		49
	TRW INC	California	ARMY	RDTE/Electronics & Communication Eq-Op Sys		75,865
			NAVY	RDTE/Electronics & Communication Eq-Op Sys		455
			USAF	RDTE/Electronics & Communication Eq-Op Sys		35,605
		STATE TOTAL				111,925
	UNISYS CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Op Sys		398
		Minnesota	USAF	RDTE/Electronics & Communication Eq-Op Sys		24,920
	CONTRACTOR TOTAL					25,318
	UNIVERSITY OF PENNSYLVANIA	Penn	NAVY	RDTE/Electronics & Communication Eq-Op Sys		6,963
	VAL-COMM INC	New Mexico	ARMY	RDTE/Electronics & Communication Eq-Op Sys		175
	WESSON INTERNATIONAL INC	Texas	USAF	RDTE/Electronics & Communication Eq-Op Sys		857
	WHITTAKER CORPORATION	California	ARMY	RDTE/Electronics & Communication Eq-Op Sys		318
R&D TOTAL						1,409,786

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC66	ADVANCED COMPUTER SYSTEMS	Virginia	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	$ 930
	ADVANCED DECISION SYSTEMS	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &	250
	ADVANCED RESEARCH CORPORATION	Virginia	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	302
	ADVANCED TECHNOLOGY MATERIALS	Conn	USAF	RDTE/Electronics & Communication Eq-Mgmt &	50
	AMERICAN GNC CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &	225
	ANALYSIS CONSULTANTS	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &	250
	ATEAM CORP	Ohio	USAF	RDTE/Electronics & Communication Eq-Mgmt &	165
	AURORA ASSOCIATES	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &	500
	CENTER FOR REMOTE SENSING	Virginia	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	50
	CRYSTAL ASSOCIATES INC	New Jersey	USAF	RDTE/Electronics & Communication Eq-Mgmt &	50
	CRYSTALLUME	California	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	137
	DATA FUSION CORP	Colorado	USAF	RDTE/Electronics & Communication Eq-Mgmt &	50
	DCS CORPORATION	Virginia	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	49
	DELFIN SYSTEMS	California	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	50
	DEUTSCHE BUNDESPOST	GERMANY	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	37-
		ITALY	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	27
	CONTRACTOR TOTAL				10-
	ELECTRO RADIATION INC	New Jersey	USAF	RDTE/Electronics & Communication Eq-Mgmt &	114
	ELECTROSPACE SYSTEMS INC	Virginia	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	470
	EMC SCIENCE CTR INC	Penn	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	170
	ENVIRNMENTAL RES INST OF MICH	Michigan	USAF	RDTE/Electronics & Communication Eq-Mgmt &	119
	EPI CHORUS CORPORATION	Minnesota	USAF	RDTE/Electronics & Communication Eq-Mgmt &	50
	FAILURE GROUP INC	California	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	91
			USAF	RDTE/Electronics & Communication Eq-Mgmt &	193
		STATE TOTAL			283
	FOSTER MILLER INC	Mass	USAF	RDTE/Electronics & Communication Eq-Mgmt &	38

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AC66 (CONTINUED)					
	HARRIS CORPORATION	Florida	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	$ 285
	ICE CORPORATION	Kansas	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	31
	INTEGRITY SYSTEMS INC	Mass	USAF	RDTE/Electronics & Communication Eq-Mgmt &	39
	INTERMETRICS INC	Penn	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	451
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/Electronics & Communication Eq-Mgmt &	221
	IRVINE SENSORS CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &	45
	KACHINA TECHNOLOGIES INC	New Mexico	USAF	RDTE/Electronics & Communication Eq-Mgmt &	221
	L & W RESEARCH INC	Conn	USAF	RDTE/Electronics & Communication Eq-Mgmt &	218
	LIGHTWAVE ELECTRONICS CORP	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &	70
	MAGNAVOX GOVT & INDSTRL ELCTR	New Jersey	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	404
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Electronics & Communication Eq-Mgmt &	770
	MAXDEM INC	California	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	48
	OPTIMIZATION TECHNOLOGY INC	Alabama	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	270
	PAGE AUTOMATED TELECOM SYSTEMS	California	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	325
	PHYSICAL OPTICS CORPORATION	California	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	49
	PRC INC	Nebraska	USAF	RDTE/Electronics & Communication Eq-Mgmt &	44-
		Virginia	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	145
	CONTRACTOR TOTAL				101
	RADIX SYSTEMS INC	Maryland	NAVY	RDTE/Electronics & Communication Eq-Mgmt &	171
	RF COMPONENTS	Mass	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	73
	SCIENCE & APPLIED TECHNOLOGY	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &	250
	SCIENCE & TECHNOLOGY CORP	Virginia	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	42
			NAVY	RDTE/Electronics & Communication Eq-Mgmt &	460
	STATE TOTAL				502

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AC66 (CONTINUED)						
	SCIENTIFIC-ATLANTA INC	Arizona	ARMY	RDTE/Electronics & Communication Eq-Mgmt &	$	113
	SOHAR INCORPORATED	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &		250
	SYNETICS CORPORATION	Mass	USAF	RDTE/Electronics & Communication Eq-Mgmt &		50
	TAU CORPORATION	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &		73
	THINKALONG SOFTWARE INC	California	USAF	RDTE/Electronics & Communication Eq-Mgmt &		489
	U T L CORPORATION	Texas	ARMY	RDTE/Electronics & Communication Eq-Mgmt &		64
		GERMANY	ARMY	RDTE/Electronics & Communication Eq-Mgmt &		138
	CONTRACTOR TOTAL					202
	VEDA INCORPORATED	Ohio	USAF	RDTE/Electronics & Communication Eq-Mgmt &		230
R&D TOTAL						10,243
AC91	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Misc Hard Goods-Basic Research		575
	AUBURN UNIVERSITY	Alabama	ARMY	RDTE/Misc Hard Goods-Basic Research		63
	BDM INTERNATIONAL INC	Virginia	ARMY	RDTE/Misc Hard Goods-Basic Research		118
	FIBERTEK INC	Virginia	ARMY	RDTE/Misc Hard Goods-Basic Research		150
	HITTITE MICROWAVE CORPORATION	Mass	NAVY	RDTE/Misc Hard Goods-Basic Research		47
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Misc Hard Goods-Basic Research		619
	S S G INC	Mass	NAVY	RDTE/Misc Hard Goods-Basic Research		325
	SYSTEMS & ELECTRONICS INC	Illinois	NAVY	RDTE/Misc Hard Goods-Basic Research		922
	TEKTRONIX INC	Oregon	NAVY	RDTE/Misc Hard Goods-Basic Research		200
R&D TOTAL						3,019
AC92	EG&G WASHINGTON ANALYTICAL SVC	Virginia	NAVY	RDTE/Misc Hard Goods-Exploratory Developme		38
	ELECTRONIC POWER CONDITIONING	Oregon	ARMY	RDTE/Misc Hard Goods-Exploratory Developme		249
	GENERAL ELECTRIC COMPANY	Ohio	NAVY	RDTE/Misc Hard Goods-Exploratory Developme		1,185
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/Misc Hard Goods-Exploratory Developme		450
	MAC AULAY BROWN INC	Ohio	NAVY	RDTE/Misc Hard Goods-Exploratory Developme		50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC92 (CONTINUED)						
	MASSACHUSETTS INST OF TCHNOLOG	Mass	NAVY	RDTE/Misc Hard Goods-Exploratory Developme	$	118
	PACER SYSTEMS INC	Penn	NAVY	RDTE/Misc Hard Goods-Exploratory Developme		522
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/Misc Hard Goods-Exploratory Developme		131
	UNIVERSITY OF ILLINOIS	Illinois	NAVY	RDTE/Misc Hard Goods-Exploratory Developme		90
	WESTINGHOUSE ELECTRIC CORP	Penn	NAVY	RDTE/Misc Hard Goods-Exploratory Developme		41
R&D	TOTAL					2,873
AC93	AMERICAN TELEPHONE & TELG CO	N Carolina	NAVY	RDTE/Misc Hard Goods-Advanced Development		3,497
	DEFENSE GROUP INC	Virginia	ARMY	RDTE/Misc Hard Goods-Advanced Development		968
	E I C LABORATORY INC	Mass	NAVY	RDTE/Misc Hard Goods-Advanced Development		494
	G & F COMPANY	California	ARMY	RDTE/Misc Hard Goods-Advanced Development		2,718
	HERCULES INCORPORATED	Utah	ARMY	RDTE/Misc Hard Goods-Advanced Development		460
	KLA INSTRUMENTS CORPORATION	California	NAVY	RDTE/Misc Hard Goods-Advanced Development		826
	LOCKHEED ENGINEERING & SCIENCE	Utah	ARMY	RDTE/Misc Hard Goods-Advanced Development		4,088
	LOCKHEED SANDERS INC	N.H.	NAVY	RDTE/Misc Hard Goods-Advanced Development		6,515
	LORAL CORP	Arizona	ARMY	RDTE/Misc Hard Goods-Advanced Development		88
	MASSACHUSETTS INST OF TCHNOLOG	Mass	NAVY	RDTE/Misc Hard Goods-Advanced Development		777
	MOTOROLA INC	Arizona	NAVY	RDTE/Misc Hard Goods-Advanced Development		1,534
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Misc Hard Goods-Advanced Development		441
	SCIENTIFIC MEASUREMENT SYSTEMS	Texas	NAVY	RDTE/Misc Hard Goods-Advanced Development		630
	SORRENTO ELECTRONICS INC	California	NAVY	RDTE/Misc Hard Goods-Advanced Development		50
R&D	TOTAL					23,088
AC94	ADVANCED MATERIALS INC	Louisiana	ARMY	RDTE/Misc Hard Goods-Engr Development		50
	AEROSPACE MASS PRPTS ANALIS	Penn	NAVY	RDTE/Misc Hard Goods-Engr Development		366
	ALLIED SIGNAL INC	Arizona	NAVY	RDTE/Misc Hard Goods-Engr Development		175

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AC94 (CONTINUED)					
	ALLOY SURFACES CO	Delaware	NAVY	RDTE/Misc Hard Goods-Engr Development	$ 54
	GENERAL ELECTRIC COMPANY	Alabama	NAVY	RDTE/Misc Hard Goods-Engr Development	2,207
		Mass	NAVY	RDTE/Misc Hard Goods-Engr Development	10,940
	CONTRACTOR TOTAL				13,147
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Misc Hard Goods-Engr Development	997
	I L C INDUSTRIES DELAWARE	Delaware	ARMY	RDTE/Misc Hard Goods-Engr Development	504
			USAF	RDTE/Misc Hard Goods-Engr Development	500
	STATE TOTAL				1,004
	ILC DOVER INC	Delaware	USAF	RDTE/Misc Hard Goods-Engr Development	186
	MCDONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/Misc Hard Goods-Engr Development	1,990
	MULTI ELECTRIC MFG INC	Illinois	USAF	RDTE/Misc Hard Goods-Engr Development	85
	SOUTHERN RESEARCH TECHNOLOGIES	Alabama	USAF	RDTE/Misc Hard Goods-Engr Development	1,081
	UNISYS CORPORATION	Florida	NAVY	RDTE/Misc Hard Goods-Engr Development	144
R&D TOTAL					19,278
AC95	ANDRULIS RESEARCH CORPORATION	Utah	ARMY	RDTE/Misc Hard Goods-Op Systems Developmen	710
	BACHUR JERRY & ASSOCIATES	California	ARMY	RDTE/Misc Hard Goods-Op Systems Developmen	78
	BEI MOTION SYSTEMS COMPANY	Arkansas	USAF	RDTE/Misc Hard Goods-Op Systems Developmen	317
	JALORDS INC	Penn	NAVY	RDTE/Misc Hard Goods-Op Systems Developmen	144
	LORAL CORP	California	NAVY	RDTE/Misc Hard Goods-Op Systems Developmen	18,650
	MNEMONICS INC	Florida	NAVY	RDTE/Misc Hard Goods-Op Systems Developmen	1,354
	OLIN CORPORATION	Tennessee	ARMY	RDTE/Misc Hard Goods-Op Systems Developmen	869
	RELM COMMUNICATIONS INC	Kansas	NAVY	RDTE/Misc Hard Goods-Op Systems Developmen	53
	SICOM INC	Arizona	USAF	RDTE/Misc Hard Goods-Op Systems Developmen	150
	THIOKOL CORPORATION	Maryland	ARMY	RDTE/Misc Hard Goods-Op Systems Developmen	1,250

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AC95 (CONTINUED)						
	UNITED STATES DEPT OF ENERGY	New Mexico	NAVY	RDTE/Misc Hard Goods-Op Systems Developmen	$	258
	UNITED TECHNOLOGIES CORP	Florida	USAF	RDTE/Misc Hard Goods-Op Systems Developmen		1,762
	R&D TOTAL					25,595
AC96	ADVANCED CNTERMEASURE SYSTEMS	California	NAVY	RDTE/Misc Hard Goods-Mgmt & Support		48
	AEROTECH ENGR & RES	Kansas	NAVY	RDTE/Misc Hard Goods-Mgmt & Support		50
	BIO-IMAGING RESEARCH INC	Illinois	NAVY	RDTE/Misc Hard Goods-Mgmt & Support		50
	CONTRAVES USA INC	Penn	USAF	RDTE/Misc Hard Goods-Mgmt & Support		300
	FRONTIER TECHNOLOGY INC	Ohio	USAF	RDTE/Misc Hard Goods-Mgmt & Support		256
	MOLTEN SALT TECHNOLOGY INC	Tennessee	USAF	RDTE/Misc Hard Goods-Mgmt & Support		160
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/Misc Hard Goods-Mgmt & Support		149
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/Misc Hard Goods-Mgmt & Support		47
	SUMMIT RESEARCH CORPORATION	Maryland	NAVY	RDTE/Misc Hard Goods-Mgmt & Support		454
	SUPERCONDUCTOR TECHNOLOGIES	California	USAF	RDTE/Misc Hard Goods-Mgmt & Support		1,180
	TPL COMMUNICATIONS	New Mexico	NAVY	RDTE/Misc Hard Goods-Mgmt & Support		54
	R&D TOTAL					2,748
AD11	ENSCO INC	Virginia	ARMY	RDTE/Ammunition-Basic Research		396
	GENCORP INC	California	ARMY	RDTE/Ammunition-Basic Research		650
	PRINCETON COMBUSTION RES LABS	New Jersey	ARMY	RDTE/Ammunition-Basic Research		53
	SUSQUEHANNA RESOURCS ENVRNMNT	New York	ARMY	RDTE/Ammunition-Basic Research		242
	SWEDISH ORDNANCE	SWEDEN	USAF	RDTE/Ammunition-Basic Research		844
	UNIVERSITY OF DELAWARE	Delaware	USAF	RDTE/Ammunition-Basic Research		80
	R&D TOTAL					2,265
AD12	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Ammunition-Exploratory Development		1,345
	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/Ammunition-Exploratory Development		80

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD12 (CONTINUED)						
	ARMTEC DEFENSE PRODUCTS CO	California	ARMY	RDTE/Ammunition-Exploratory Development	$	98
	CERAMATEC INC	Utah	USAF	RDTE/Ammunition-Exploratory Development		245
	CHAMBERLAIN MANUFACTURING CORP	Penn	ARMY	RDTE/Ammunition-Exploratory Development		360
	COMPACT SOFTWARE INC	New Jersey	USAF	RDTE/Ammunition-Exploratory Development		267
	DAVID SARNOFF RESEARCH CENTER	New Jersey	USAF	RDTE/Ammunition-Exploratory Development		1,254
	ENIG ASSOCIATES INC	Maryland	NAVY	RDTE/Ammunition-Exploratory Development		146
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/Ammunition-Exploratory Development		235
	GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/Ammunition-Exploratory Development		50
	GEORGE MASON UNIVERSITY	Virginia	USAF	RDTE/Ammunition-Exploratory Development		64
	GLOBE RUBBER WORKS INC	Mass	NAVY	RDTE/Ammunition-Exploratory Development		461
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Ammunition-Exploratory Development		69
	LUFKIN INDUSTRIES INC	Texas	NAVY	RDTE/Ammunition-Exploratory Development		1,100
	MCQ ASSOCIATES INC	Virginia	NAVY	RDTE/Ammunition-Exploratory Development		40
	RANN INC	California	USAF	RDTE/Ammunition-Exploratory Development		36
	S F A INC	D.C.	NAVY	RDTE/Ammunition-Exploratory Development		1,152
	UNITED TECHNOLOGIES CORP	Florida	USAF	RDTE/Ammunition-Exploratory Development		203
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/Ammunition-Exploratory Development		33
R&D TOTAL						7,238
AD13	AEROJET	California	ARMY	RDTE/Ammunition-Advanced Development		850
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Ammunition-Advanced Development		29,586
			NAVY	RDTE/Ammunition-Advanced Development		98
			USAF	RDTE/Ammunition-Advanced Development		1,657
		STATE TOTAL				31,341
	ARMTEC DEFENSE PRODUCTS CO	California	ARMY	RDTE/Ammunition-Advanced Development		360
	ASTROSYSTEMS INC	Delaware	USAF	RDTE/Ammunition-Advanced Development		286

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD13 (CONTINUED)						
	ATLANTIC RESEARCH CORPORATION	Arkansas	USAF	RDTE/Ammunition-Advanced Development	$	43
	AVCO CORPORATION	Mass	ARMY	RDTE/Ammunition-Advanced Development		30,586
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Ammunition-Advanced Development		311
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/Ammunition-Advanced Development		48,307
	NORTHROP CORPORATION	California	USAF	RDTE/Ammunition-Advanced Development		144
	OLIN CORPORATION	Florida	ARMY	RDTE/Ammunition-Advanced Development		17,481
		Illinois	NAVY	RDTE/Ammunition-Advanced Development		800
	CONTRACTOR TOTAL					18,281
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/Ammunition-Advanced Development		816
	SEMCOR INC	New Jersey	NAVY	RDTE/Ammunition-Advanced Development		2,200
	SPARTA INC	California	ARMY	RDTE/Ammunition-Advanced Development		1,000
	TALLEY DEFENSE SYSTEMS INC	Arizona	ARMY	RDTE/Ammunition-Advanced Development		62-
	R&D TOTAL					134,462
AD14	A A I CORPORATION	Maryland	ARMY	RDTE/Ammunition-Engineering Development		442
	AEROJET	California	ARMY	RDTE/Ammunition-Engineering Development		119,184
			NAVY	RDTE/Ammunition-Engineering Development		1,413
		STATE TOTAL				120,597
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Ammunition-Engineering Development		32,279
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/Ammunition-Engineering Development		50
	CHAMBERLAIN MANUFACTURING CORP	Iowa	NAVY	RDTE/Ammunition-Engineering Development		360
	DYNAMIT NOBEL AG	GERMANY	ARMY	RDTE/Ammunition-Engineering Development		421
	KEMP CORPORATION	Tennessee	NAVY	RDTE/Ammunition-Engineering Development		49
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Ammunition-Engineering Development		1,212
	MATERIALS ANALYSIS INC	Texas	NAVY	RDTE/Ammunition-Engineering Development		35

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD14 (CONTINUED)					
	MOTOROLA INC	Arizona	ARMY	RDTE/Ammunition-Engineering Development	$ 405
	NORTHROP CORPORATION	California	ARMY	RDTE/Ammunition-Engineering Development	1,169
	SCHWARTZ ELECTRO-OPTICS INC	Florida	ARMY	RDTE/Ammunition-Engineering Development	49
	SCIENTIFIC APLICAT RES ASSOC	California	ARMY	RDTE/Ammunition-Engineering Development	115
	SIERRA MONOLITHICS INC	California	NAVY	RDTE/Ammunition-Engineering Development	50
	SPARTA INC	California	ARMY	RDTE/Ammunition-Engineering Development	3,241
	SPECTRUM MANAGEMENT GROUP INC	Virginia	ARMY	RDTE/Ammunition-Engineering Development	166
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/Ammunition-Engineering Development	50
	R&D TOTAL				160,752
AD15	ALLIANT TECHSYSTEMS INC	Penn	ARMY	RDTE/Ammunition-Operational Systems Develo	26
	GEO CENTERS INC	Mass	ARMY	RDTE/Ammunition-Operational Systems Develo	203
	PULLMAN HOLDING CORP	New Jersey	ARMY	RDTE/Ammunition-Operational Systems Develo	18,721
	R&D TOTAL				18,950
AD16	BABCOCK & WILCOX COMPANY THE	Virginia	NAVY	RDTE/Ammunition-Management & Support	550
	CERAMPHYSICS INC	Ohio	USAF	RDTE/Ammunition-Management & Support	250
	EPSILON LAMBDA ELECTRONICS	Illinois	USAF	RDTE/Ammunition-Management & Support	200
	GEO CENTERS INC	Mass	ARMY	RDTE/Ammunition-Management & Support	1,037
	HERCULES INCORPORATED	Utah	NAVY	RDTE/Ammunition-Management & Support	288
	KDI PRECISION PRODUCTS INC	Ohio	ARMY	RDTE/Ammunition-Management & Support	313
	PHYSICAL OPTICS CORPORATION	California	USAF	RDTE/Ammunition-Management & Support	101
	R&D TOTAL				2,739
AD21	ADVANCED ROTORCRAFT TECHNOLOGY	California	NAVY	RDTE/Services-Basic Research	50
	ALLIANCE TECHNOLOGIES CORP	Mass	ARMY	RDTE/Services-Basic Research	162
	AMERICAN SOC FOR TSTG MTRIALS	Penn	ARMY	RDTE/Services-Basic Research	63

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD21 (CONTINUED)						
	AMERICOM	Rhode Isld	NAVY	RDTE/Services-Basic Research	$	150
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/Services-Basic Research		201
	ANTARES GROUP INC	California	NAVY	RDTE/Services-Basic Research		162
	APPLIED MEASUREMENT SYSTEMS	Conn	NAVY	RDTE/Services-Basic Research		98
	AQUIDNECK MGT ASSOC LTD	Rhode Isld	NAVY	RDTE/Services-Basic Research		65
	ASI SYSTEMS INTERNATIONAL	California	NAVY	RDTE/Services-Basic Research		4,246
	BOEING COMPANY THE	Washington	NAVY	RDTE/Services-Basic Research		142
	CARNEGIE MELLON UNIVERSITY	Penn	USAF	RDTE/Services-Basic Research		1,200
	COGNITIVE TECHNOLOGIES	Virginia	ARMY	RDTE/Services-Basic Research		144
	DATA DESIGN LABORATORIES	Conn	NAVY	RDTE/Services-Basic Research		76
	DATATAPE INCORPORATED	California	NAVY	RDTE/Services-Basic Research		374
	DIVERSIFIED TECHNOLOGIES INC	Mass	NAVY	RDTE/Services-Basic Research		51
	ENGINEERING CMPT OPTECNOMICS	Maryland	NAVY	RDTE/Services-Basic Research		30
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/Services-Basic Research		939
	ETA TECHNOLOGIES CORPORATION	California	NAVY	RDTE/Services-Basic Research		466
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/Services-Basic Research		225
	GTE GOVERNMENT SYSTEMS CORP	Mass	USAF	RDTE/Services-Basic Research		270
	HARVARD UNIVERSITY	Mass	USAF	RDTE/Services-Basic Research		548
	HONEYWELL INC	Minnesota	USAF	RDTE/Services-Basic Research		34
	HUMAN FACTORS SOLUTIONS INC	Maryland	USAF	RDTE/Services-Basic Research		365
	I I T RESEARCH INSTITUTE	Tennessee	NAVY	RDTE/Services-Basic Research		129
	INDUSTRIAL QUALITY INC	Maryland	ARMY	RDTE/Services-Basic Research		300
	INTELLIGENT AUTOMATION INC	Maryland	NAVY	RDTE/Services-Basic Research		50
	JOINT MANAGEMENT SERVICES CO	Georgia	ARMY	RDTE/Services-Basic Research		246

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD21 (CONTINUED)						
	MARINE TECHNOLOGIES GROUP INC	Ohio	NAVY	RDTE/Services-Basic Research	$	49
	MASSACHUSETTS INST OF TCHNOLOG	Mass	USAF	RDTE/Services-Basic Research		689
	MATERIALS SCIENCES CORP	Penn	ARMY	RDTE/Services-Basic Research		365
	MING OF UTAH INC	Conn	NAVY	RDTE/Services-Basic Research		30
	MONTEREY TECHNOLOGIES INC	California	NAVY	RDTE/Services-Basic Research		50
	NABAGENEBT RESEARCG INSTITUTE	Maryland	ARMY	RDTE/Services-Basic Research		190
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/Services-Basic Research		363
	SCHWARTZ ELECTRO-OPTICS INC	Florida	ARMY	RDTE/Services-Basic Research		111
	SCIENCE APPLICATIONS INTL CORP	Virginia	ARMY	RDTE/Services-Basic Research		4,750
	SONALYSTS INC	Conn	NAVY	RDTE/Services-Basic Research		125
	SRI INTERNATIONAL	California	USAF	RDTE/Services-Basic Research		587
	SUPPORT CONTG SYSTEMS J/V	California	NAVY	RDTE/Services-Basic Research		2,814
	SUSQUEHANNA RESOURCS ENVRNMNT	New York	ARMY	RDTE/Services-Basic Research		258
	SYSTEMS RESOURCE MANAGEMENT	Rhode Isld	NAVY	RDTE/Services-Basic Research		40
	SYSTEMS SOFTWARE ENGINEERING	Maryland	NAVY	RDTE/Services-Basic Research		68
	TASC	Mass	USAF	RDTE/Services-Basic Research		450
	TRACOR APPLIED SCIENCES INC	Conn	NAVY	RDTE/Services-Basic Research		105
	U S SPRINT CMMNCTONS LTD PRTNR	Virginia	USAF	RDTE/Services-Basic Research		175
	UNIDYNE CORPORATION	Conn	NAVY	RDTE/Services-Basic Research		126
	UNITED STATES DEPT OF ENERGY	Miss	NAVY	RDTE/Services-Basic Research		170
	UNIVERSITY OF KANSAS	Kansas	USAF	RDTE/Services-Basic Research		168
	UNIVERSITY OF MASSACHUSETTS	Mass	USAF	RDTE/Services-Basic Research		171
	WOODS HOLE OCEANOGRAPHIC INST	Mass	NAVY	RDTE/Services-Basic Research		255
		Rhode Isld	NAVY	RDTE/Services-Basic Research		45

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
	CONTRACTOR TOTAL				$	300
	R&D TOTAL					22,938
AD22	ALLIANT TECHSYSTEMS INC	Minnesota	USAF	RDTE/Services-Exploratory Development		260
	ALPHATECH INC	Mass	NAVY	RDTE/Services-Exploratory Development		75
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/Services-Exploratory Development		704
		Rhode Isld	NAVY	RDTE/Services-Exploratory Development		900
		Virginia	NAVY	RDTE/Services-Exploratory Development		83
	CONTRACTOR TOTAL					1,687
	APPLIED MEASUREMENT SYSTEMS	Conn	NAVY	RDTE/Services-Exploratory Development		30
	AQUIDNECK MGT ASSOC LTD	Conn	NAVY	RDTE/Services-Exploratory Development		30
		Rhode Isld	NAVY	RDTE/Services-Exploratory Development		77
	CONTRACTOR TOTAL					107
	ARETE ASSOCIATES	California	NAVY	RDTE/Services-Exploratory Development		394
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	NAVY	RDTE/Services-Exploratory Development		281
	B K DYNAMICS INC	Maryland	ARMY	RDTE/Services-Exploratory Development		460
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/Services-Exploratory Development		250
			USAF	RDTE/Services-Exploratory Development		5,467
		STATE TOTAL				5,717
	BDM INTERNATIONAL INC	New Mexico	USAF	RDTE/Services-Exploratory Development		159
	BIOSONICS INC	Conn	NAVY	RDTE/Services-Exploratory Development		49
	BIRD-JOHNSON CO	Mass	NAVY	RDTE/Services-Exploratory Development		113
	BOEING AEROSPACE OPERATIONS	Washington	NAVY	RDTE/Services-Exploratory Development		28
	BOLT BERANEK & NEWMAN INC	Conn	NAVY	RDTE/Services-Exploratory Development		212
	BRIGHAM YOUNG UNIVERSITY	Utah	NAVY	RDTE/Services-Exploratory Development		38
	CALIFORNIA RESEARCH & TECH	California	NAVY	RDTE/Services-Exploratory Development		101

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD22 (CONTINUED)					
	CHASE INC	Mass	NAVY	RDTE/Services-Exploratory Development	$ 49
	CHEMSYS INC	Ohio	USAF	RDTE/Services-Exploratory Development	543
	CHI SYSTEMS INC	Penn	NAVY	RDTE/Services-Exploratory Development	45
	CIMFLEX TEKNOWLEDGE CORP	California	ARMY	RDTE/Services-Exploratory Development	1,100
	COGNITIVE TECHNOLOGIES	Virginia	NAVY	RDTE/Services-Exploratory Development	93
	COLORADO SEMINARY	Colorado	NAVY	RDTE/Services-Exploratory Development	282
	CONDUCTUS INC	California	NAVY	RDTE/Services-Exploratory Development	50
	DATA DESIGN LABORATORIES	Conn	NAVY	RDTE/Services-Exploratory Development	116
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/Services-Exploratory Development	295
	E M L RESEARCH	Mass	NAVY	RDTE/Services-Exploratory Development	635
	ENZIAN TECHNOLOGY INC	Florida	NAVY	RDTE/Services-Exploratory Development	113
	FLORIDA MAXIMA CORP	Florida	NAVY	RDTE/Services-Exploratory Development	60
	FMC CORPORATION	Minnesota	ARMY	RDTE/Services-Exploratory Development	30-
	GENERAL ELECTRIC COMPANY	Penn	ARMY	RDTE/Services-Exploratory Development	98
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Services-Exploratory Development	200
			NAVY	RDTE/Services-Exploratory Development	60
		STATE TOTAL			260
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Services-Exploratory Development	49
	HYDROACOUSTICS INC	New York	NAVY	RDTE/Services-Exploratory Development	64
	IMATRON INC	California	ARMY	RDTE/Services-Exploratory Development	250
	INTELLICORP	Virginia	NAVY	RDTE/Services-Exploratory Development	50
	INTERFEROMETRICS INC	Virginia	ARMY	RDTE/Services-Exploratory Development	450
	INTERNATIONAL BUS MCHS CORP	Virginia	NAVY	RDTE/Services-Exploratory Development	213
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/Services-Exploratory Development	254

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD22	(CONTINUED)				
	LOCKHEED SANDERS INC	N.H.	ARMY	RDTE/Services-Exploratory Development	$ 570
	MIDWEST RESEARCH INSTITUTE	Missouri	ARMY	RDTE/Services-Exploratory Development	3,000
	MILES RICHARD E	New York	NAVY	RDTE/Services-Exploratory Development	200-
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/Services-Exploratory Development	280
		New Mexico	NAVY	RDTE/Services-Exploratory Development	588
	CONTRACTOR TOTAL				868
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/Services-Exploratory Development	820
	NICHOLS RESEARCH CORPORATION	Alabama	NAVY	RDTE/Services-Exploratory Development	97
	OCEAN & ATMOSPHERIC SCIENCE	New York	NAVY	RDTE/Services-Exploratory Development	85
	OCEAN ACOUSTICS ASSOCIATES	Mass	NAVY	RDTE/Services-Exploratory Development	42
		Rhode Isld	NAVY	RDTE/Services-Exploratory Development	423
	CONTRACTOR TOTAL				465
	OCEANIC DEVELOPMENT CO	N.H.	NAVY	RDTE/Services-Exploratory Development	70
	ODYSSEY RESEARCH ASSOCIATES	New York	ARMY	RDTE/Services-Exploratory Development	187
	OPTICS 1 INC	California	NAVY	RDTE/Services-Exploratory Development	259
	ORA CORPORATION	New York	ARMY	RDTE/Services-Exploratory Development	692
	ORLANDO TECHNOLOGY INC	Florida	USAF	RDTE/Services-Exploratory Development	144
	PARAMAX SYSTEMS CORP	Minnesota	NAVY	RDTE/Services-Exploratory Development	50
		New York	NAVY	RDTE/Services-Exploratory Development	86
	CONTRACTOR TOTAL				136
	QUESTECH INC	Virginia	NAVY	RDTE/Services-Exploratory Development	439
	RAYTHEON COMPANY	Rhode Isld	NAVY	RDTE/Services-Exploratory Development	140
	RESOURCE CONSULTANTS INC	Virginia	NAVY	RDTE/Services-Exploratory Development	99
	SATCON TECHNOLOGY CORPORATION	Mass	ARMY	RDTE/Services-Exploratory Development	37

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD22 (CONTINUED)					
			NAVY	RDTE/Services-Exploratory Development	$ 180
		STATE TOTAL			217
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Services-Exploratory Development	1,526
		Conn	NAVY	RDTE/Services-Exploratory Development	157
		Hawaii	NAVY	RDTE/Services-Exploratory Development	649-
	CONTRACTOR TOTAL				1,034
	SEARCH TECHNOLOGY INC	Georgia	NAVY	RDTE/Services-Exploratory Development	153
	SOFTWARE TECHNOLOGY INC	D.C.	NAVY	RDTE/Services-Exploratory Development	525
	SONALYSTS INC	Conn	NAVY	RDTE/Services-Exploratory Development	391
		Rhode Isld	NAVY	RDTE/Services-Exploratory Development	75
	CONTRACTOR TOTAL				466
	SOUTHEASTN CTR ELECTR ENG ED	Florida	ARMY	RDTE/Services-Exploratory Development	240
	STRAPDOWN ASSOCIATES INC	Minnesota	NAVY	RDTE/Services-Exploratory Development	82
	SURVICE ENGINEERING CO INC	Maryland	ARMY	RDTE/Services-Exploratory Development	134
	SYSCON CORPORATION	Conn	NAVY	RDTE/Services-Exploratory Development	150
		Rhode Isld	NAVY	RDTE/Services-Exploratory Development	40
	CONTRACTOR TOTAL				190
	T S C INC	Conn	NAVY	RDTE/Services-Exploratory Development	147
	TECHNOLOGY APPLICATIONS SVC CO	Maryland	NAVY	RDTE/Services-Exploratory Development	175
	TETRA CORPORATION	New Mexico	NAVY	RDTE/Services-Exploratory Development	411
	TRACOR APPLIED SCIENCES INC	Conn	NAVY	RDTE/Services-Exploratory Development	426
	TRIDENT INTERNATIONAL INC	Florida	NAVY	RDTE/Services-Exploratory Development	43
	TRW INC	Virginia	NAVY	RDTE/Services-Exploratory Development	260
	UNISYS CORPORATION	Alabama	NAVY	RDTE/Services-Exploratory Development	97

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD22 (CONTINUED)						
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/Services-Exploratory Development	$	3,493
	UNIVERSITY OF CONNECTICUT	Conn	NAVY	RDTE/Services-Exploratory Development		82
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Services-Exploratory Development		150
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Services-Exploratory Development		45
	UNIVERSITY OF RHODE ISLAND	Rhode Isld	NAVY	RDTE/Services-Exploratory Development		40
	UNIVERSITY OF ROCHESTER	New York	NAVY	RDTE/Services-Exploratory Development		85
	UNIVERSITY OF SOUTH FLORIDA	Florida	NAVY	RDTE/Services-Exploratory Development		42
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/Services-Exploratory Development		150
	R&D TOTAL					31,307
AD23	AC INC	Alabama	ARMY	RDTE/Services-Advanced Development		827
	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/Services-Advanced Development		150
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	NAVY	RDTE/Services-Advanced Development		1,754
	AEPCO INC	Maryland	NAVY	RDTE/Services-Advanced Development		2,730
	ALLIANT TECHSYSTEMS INC	Rhode Isld	NAVY	RDTE/Services-Advanced Development		46
		Virginia	NAVY	RDTE/Services-Advanced Development		77
		Washington	NAVY	RDTE/Services-Advanced Development		121
	CONTRACTOR TOTAL					245
	ALLIED SIGNAL INC	California	NAVY	RDTE/Services-Advanced Development		3,125
		Conn	NAVY	RDTE/Services-Advanced Development		2,300
	CONTRACTOR TOTAL					5,425
	AMHERST SYSTEMS INC	New York	NAVY	RDTE/Services-Advanced Development		683
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/Services-Advanced Development		10,876
	APPLIED MEASUREMENT SYSTEMS	Conn	NAVY	RDTE/Services-Advanced Development		1,610
		Florida	NAVY	RDTE/Services-Advanced Development		250

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD23 (CONTINUED)					
	CONTRACTOR TOTAL				$ 1,860
	AQUIDNECK MGT ASSOC LTD	Rhode Isld	NAVY	RDTE/Services-Advanced Development	292
	ARETE ASSOCIATES	California	NAVY	RDTE/Services-Advanced Development	296
	ASTRON CORPORATION	Conn	NAVY	RDTE/Services-Advanced Development	45
	AUTEL SERVICES INC	California	NAVY	RDTE/Services-Advanced Development	225
	AUTOMATION RES SYSTEMS LTD	Virginia	ARMY	RDTE/Services-Advanced Development	1,140
	BABINGTON ENGINEERING	Virginia	ARMY	RDTE/Services-Advanced Development	296
	BALL CORPORATION	Ohio	USAF	RDTE/Services-Advanced Development	1,612
	BATTELLE DEVELOPMENT CORP	Ohio	USAF	RDTE/Services-Advanced Development	470
	BDM INTERNATIONAL INC	New Mexico	USAF	RDTE/Services-Advanced Development	981
	BOLT BERANEK & NEWMAN INC	Conn	NAVY	RDTE/Services-Advanced Development	2,291
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/Services-Advanced Development	284
		Virginia	NAVY	RDTE/Services-Advanced Development	125
	CONTRACTOR TOTAL				409
	C & M TECHNOLOGY INC	Conn	NAVY	RDTE/Services-Advanced Development	75
	CAMBRIDGE ACOUSTICAL ASSOC	Mass	NAVY	RDTE/Services-Advanced Development	75
	CORNELL UNIVERSITY	New York	NAVY	RDTE/Services-Advanced Development	53
	DATA DESIGN LABORATORIES	Conn	NAVY	RDTE/Services-Advanced Development	866
	DEEGAN RESEARCH GROUP INC	Rhode Isld	NAVY	RDTE/Services-Advanced Development	100
	DJC ANALYTICS	Rhode Isld	NAVY	RDTE/Services-Advanced Development	51
	DOE IDAHO OPERATIONS OFFICE	Idaho	NAVY	RDTE/Services-Advanced Development	250
	DYNAMICS RESEARCH CORPORATION	Mass	ARMY	RDTE/Services-Advanced Development	417
	DYNATRON CORPORATION	Mass	NAVY	RDTE/Services-Advanced Development	265
	EDO CORPORATION	Conn	NAVY	RDTE/Services-Advanced Development	418

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD23 (CONTINUED)					
	EG&G WASHINGTON ANALYTICAL SVC	Conn	NAVY	RDTE/Services-Advanced Development	$ 1,542
	ELDYNE INC	Conn	NAVY	RDTE/Services-Advanced Development	27
	ENGINEERING RESEARCH ASSOC	Virginia	NAVY	RDTE/Services-Advanced Development	498
	EPOCH ENGINEERING INC	Conn	NAVY	RDTE/Services-Advanced Development	271
	ESSCUBE ENGINEERING INC	New Jersey	NAVY	RDTE/Services-Advanced Development	510
	FMC CORPORATION	Minnesota	NAVY	RDTE/Services-Advanced Development	48
	FRONTIER TECHNOLOGY INC	Ohio	USAF	RDTE/Services-Advanced Development	673
	GAMBOA INTERNATIONAL CONSULTIN	Virginia	ARMY	RDTE/Services-Advanced Development	88
	GEC MARCONI CO LTD	Conn	NAVY	RDTE/Services-Advanced Development	39
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/Services-Advanced Development	27
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/Services-Advanced Development	1,524
		Virginia	NAVY	RDTE/Services-Advanced Development	96
	CONTRACTOR TOTAL				1,619
	GRACE W R & CO INC	Mass	NAVY	RDTE/Services-Advanced Development	72
	GTE GOVERNMENT SYSTEMS CORP	California	NAVY	RDTE/Services-Advanced Development	497
	HILTON SYSTEMS INC	Miss	ARMY	RDTE/Services-Advanced Development	1,344
	HITACHI DENSHI AMERICA LTD	Conn	NAVY	RDTE/Services-Advanced Development	100
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Services-Advanced Development	770
		Rhode Isld	NAVY	RDTE/Services-Advanced Development	400
	CONTRACTOR TOTAL				1,170
	INNOVATIVE TECHNOLOGIES CORP	Ohio	USAF	RDTE/Services-Advanced Development	855
	INTEGRATED SYSTEMS ANALYSTS	California	NAVY	RDTE/Services-Advanced Development	146
		Virginia	NAVY	RDTE/Services-Advanced Development	170
	CONTRACTOR TOTAL				316

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD23 (CONTINUED)						
	INTERMETRICS INC	New Mexico	USAF	RDTE/Services-Advanced Development	$	2,235
		Penn	NAVY	RDTE/Services-Advanced Development		4,999
	CONTRACTOR TOTAL					7,234
	INTERNATIONAL BUS MCHS CORP	Virginia	NAVY	RDTE/Services-Advanced Development		1,050
	ISA ASSOCIATES INC	Virginia	NAVY	RDTE/Services-Advanced Development		50
	JIL SYSTEMS INC	Conn	NAVY	RDTE/Services-Advanced Development		105
	KENROB AND ASSOCIATES INC	Virginia	NAVY	RDTE/Services-Advanced Development		336
	KPMG PEAT MARWICK	Conn	NAVY	RDTE/Services-Advanced Development		300
	L B & M ASSOCIATES INC	Oklahoma	NAVY	RDTE/Services-Advanced Development		49
	LEHMAN A F ASSOCIATES	New York	NAVY	RDTE/Services-Advanced Development		28
	LINDSEY WILLIAM C INC	Conn	NAVY	RDTE/Services-Advanced Development		90
	LITTON INDUSTRIES INC	California	NAVY	RDTE/Services-Advanced Development		2,727
	LITTON SYSTEMS INC	California	NAVY	RDTE/Services-Advanced Development		140
	LOCKHEED SANDERS INC	N.H.	NAVY	RDTE/Services-Advanced Development		500
	LOGICON INC	Conn	NAVY	RDTE/Services-Advanced Development		32
	MAGNAVOX GOVT & INDSTRL ELCTR	New York	NAVY	RDTE/Services-Advanced Development		74
	MARTIN MARIETTA CORPORATION	Maryland	NAVY	RDTE/Services-Advanced Development		100
	MCLAUGHLIN RESEARCH CORP	Conn	NAVY	RDTE/Services-Advanced Development		826
		Mass	NAVY	RDTE/Services-Advanced Development		50
		Rhode Isld	NAVY	RDTE/Services-Advanced Development		65
	CONTRACTOR TOTAL					941
	MILES RICHARD E	New York	NAVY	RDTE/Services-Advanced Development		389
	MING OF UTAH INC	Conn	NAVY	RDTE/Services-Advanced Development		346
		Rhode Isld	NAVY	RDTE/Services-Advanced Development		90
	CONTRACTOR TOTAL					436

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD23 (CONTINUED)						
	MINISTRY OF DEFENSE UK	UNITED KIN	ARMY	RDTE/Services-Advanced Development	$	1,820
	MODERN TECHNOLOGIES CORP	Ohio	USAF	RDTE/Services-Advanced Development		246
	NORTH COAST INNOVATION INC	Ohio	NAVY	RDTE/Services-Advanced Development		50
	NORTHROP CORPORATION	California	NAVY	RDTE/Services-Advanced Development		300
	NORTHWEST RESEARCH ASSOC JV	Washington	NAVY	RDTE/Services-Advanced Development		80
	OCEAN ACOUSTICS ASSOCIATES	Rhode Isld	NAVY	RDTE/Services-Advanced Development		120
	OMNI ANALYSIS INC	Conn	NAVY	RDTE/Services-Advanced Development		644
	P R B ASSOCIATES INC	Maryland	NAVY	RDTE/Services-Advanced Development		90
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/Services-Advanced Development		6,156
	PARAMAX SYSTEMS CORP	Minnesota	NAVY	RDTE/Services-Advanced Development		100
	PARKER DRILLING COMPANY	Texas	ARMY	RDTE/Services-Advanced Development		1,800
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/Services-Advanced Development		4,494
	PRECISION SIGNAL INC	Florida	NAVY	RDTE/Services-Advanced Development		100
	PROMETHEUS INC	Rhode Isld	NAVY	RDTE/Services-Advanced Development		55
	QUESTECH INC	Ohio	USAF	RDTE/Services-Advanced Development		1,781
	RADANT TECHNOLOGIES INC	Mass	NAVY	RDTE/Services-Advanced Development		43
	RAIL COMPANY	Virginia	ARMY	RDTE/Services-Advanced Development		60
	RAYTHEON COMPANY	Rhode Isld	NAVY	RDTE/Services-Advanced Development		344
	SCIENCE APPLICATIONS INTL CORP	Conn	NAVY	RDTE/Services-Advanced Development		1,732
		Ohio	USAF	RDTE/Services-Advanced Development		566
		Rhode Isld	NAVY	RDTE/Services-Advanced Development		219
		Virginia	NAVY	RDTE/Services-Advanced Development		450
	CONTRACTOR TOTAL					2,967
	SEMCOR INC	New Jersey	NAVY	RDTE/Services-Advanced Development		120
	SONALYSTS INC	Conn	NAVY	RDTE/Services-Advanced Development		2,881

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD23 (CONTINUED)						
	SRI INTERNATIONAL	California	NAVY	RDTE/Services-Advanced Development	$	40
		Conn	NAVY	RDTE/Services-Advanced Development		45
	CONTRACTOR TOTAL					85
	STATCOM INC	Virginia	NAVY	RDTE/Services-Advanced Development		45
	STRATEGIC FINCL PLG SYSTEMS	Virginia	NAVY	RDTE/Services-Advanced Development		45
	STRUCTURED TECHNOLOGY CORP	Conn	NAVY	RDTE/Services-Advanced Development		982
	SYSCON CORPORATION	Conn	NAVY	RDTE/Services-Advanced Development		373
		Rhode Isld	NAVY	RDTE/Services-Advanced Development		453
	CONTRACTOR TOTAL					827
	SYSTEMS CONTROL TECHNOLOGY	California	ARMY	RDTE/Services-Advanced Development		262
	SYSTEMS ENGINEERING ASSOCIATES	Conn	NAVY	RDTE/Services-Advanced Development		171
		Rhode Isld	NAVY	RDTE/Services-Advanced Development		525
	CONTRACTOR TOTAL					696
	SYSTEMS INTEGRATION & RESEARCH	Rhode Isld	NAVY	RDTE/Services-Advanced Development		372
		Virginia	NAVY	RDTE/Services-Advanced Development		88
	CONTRACTOR TOTAL					460
	T S C INC	Conn	NAVY	RDTE/Services-Advanced Development		93
	THIOKOL CORPORATION	Utah	USAF	RDTE/Services-Advanced Development		126
	TRACOR APPLIED SCIENCES INC	Conn	NAVY	RDTE/Services-Advanced Development		2,498
		Maryland	NAVY	RDTE/Services-Advanced Development		70
		Texas	NAVY	RDTE/Services-Advanced Development		463
	CONTRACTOR TOTAL					3,031
	TRIDENT SYSTEMS INC	Virginia	NAVY	RDTE/Services-Advanced Development		129
	TRW INC	California	NAVY	RDTE/Services-Advanced Development		106

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD23 (CONTINUED)						
		Conn	NAVY	RDTE/Services-Advanced Development	$	1,953
		Virginia	NAVY	RDTE/Services-Advanced Development		1,758
	CONTRACTOR TOTAL					3,818
	UNITED INTERNATIONAL ENGRG	New Mexico	NAVY	RDTE/Services-Advanced Development		50
	UNITED STATES DEPT OF COMMERCE	Colorado	NAVY	RDTE/Services-Advanced Development		392
	UNITED STATES DEPT OF ENERGY	California	NAVY	RDTE/Services-Advanced Development		53
		Oklahoma	NAVY	RDTE/Services-Advanced Development		222
	CONTRACTOR TOTAL					275
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/Services-Advanced Development		38
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Services-Advanced Development		70
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Services-Advanced Development		515
	UNIVERSITY OF RHODE ISLAND	Rhode Isld	NAVY	RDTE/Services-Advanced Development		38
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/Services-Advanced Development		92
	VEDA INCORPORATED	Penn	NAVY	RDTE/Services-Advanced Development		105
	VISTA CONTROLS INC	Conn	NAVY	RDTE/Services-Advanced Development		102
	VITRO CORPORATION	Penn	NAVY	RDTE/Services-Advanced Development		1,136
		Rhode Isld	NAVY	RDTE/Services-Advanced Development		30
	CONTRACTOR TOTAL					1,166
	VITRONICS INC	New Jersey	ARMY	RDTE/Services-Advanced Development		6,739
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/Services-Advanced Development		37
	WATKINS-JOHNSON COMPANY	California	NAVY	RDTE/Services-Advanced Development		484
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/Services-Advanced Development		285
		Ohio	NAVY	RDTE/Services-Advanced Development		193
		Penn	NAVY	RDTE/Services-Advanced Development		100

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD23 (CONTINUED)					
	CONTRACTOR TOTAL				$ 578
	WOODS HOLE OCEANOGRAPHIC INST	Mass	NAVY	RDTE/Services-Advanced Development	75
	YANKEE SCIENTIFIC INC	Mass	ARMY	RDTE/Services-Advanced Development	84
	R&D TOTAL				105,138
AD24	AEROSPACE MASS PRPTS ANALIS	Penn	NAVY	RDTE/Services-Engineering Development	99
	AMERICAN TELEPHONE & TELG CO	Virginia	ARMY	RDTE/Services-Engineering Development	1,419
	AMERON A CALIFORNIA CORP	California	NAVY	RDTE/Services-Engineering Development	46
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/Services-Engineering Development	4,075
		Florida	NAVY	RDTE/Services-Engineering Development	3,417
	CONTRACTOR TOTAL				7,492
	AQUIDNECK MGT ASSOC LTD	Rhode Isld	NAVY	RDTE/Services-Engineering Development	321
	ARETE ASSOCIATES	California	NAVY	RDTE/Services-Engineering Development	180
	ARINC RESEARCH CORPORATION	California	NAVY	RDTE/Services-Engineering Development	702
			USAF	RDTE/Services-Engineering Development	469
		STATE TOTAL			1,171
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/Services-Engineering Development	121
	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/Services-Engineering Development	345
	BLUE CHIP COMPUTERS CO THE	Ohio	USAF	RDTE/Services-Engineering Development	726
	BOEING COMPANY THE	Alabama	USAF	RDTE/Services-Engineering Development	415
		Kansas	USAF	RDTE/Services-Engineering Development	13,625
		Texas	NAVY	RDTE/Services-Engineering Development	25
	CONTRACTOR TOTAL				14,065
	BOLT BERANEK & NEWMAN INC	Conn	NAVY	RDTE/Services-Engineering Development	508
		Virginia	NAVY	RDTE/Services-Engineering Development	30

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD24 (CONTINUED)						
	CONTRACTOR TOTAL				$	537
	BROWN DAYTON T INC	New York	NAVY	RDTE/Services-Engineering Development		165
	C & M TECHNOLOGY INC	Conn	NAVY	RDTE/Services-Engineering Development		90
	CFD RESEARCH CORPORATION	Alabama	NAVY	RDTE/Services-Engineering Development		197
	CHI SYSTEMS INC	Penn	NAVY	RDTE/Services-Engineering Development		134
	COLEMAN RESEARCH CORPORATION	Florida	NAVY	RDTE/Services-Engineering Development		48
	COLUMBIA RESEARCH CORPORATION	Virginia	NAVY	RDTE/Services-Engineering Development		243
	COMPTEK RESEARCH INC	California	NAVY	RDTE/Services-Engineering Development		2,114
	COMPUTER SOFTWARE ANALYSTS	Ohio	USAF	RDTE/Services-Engineering Development		418
	CONVENTIONAL MUNITIONS SYSTEMS	Florida	ARMY	RDTE/Services-Engineering Development		336
	DAEDALEAN INC	Virginia	NAVY	RDTE/Services-Engineering Development		445-
	DATA DESIGN LABORATORIES	Conn	NAVY	RDTE/Services-Engineering Development		271
	DYNAMICS RESEARCH CORPORATION	Mass	NAVY	RDTE/Services-Engineering Development		266
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/Services-Engineering Development		195
	EG&G WASHINGTON ANALYTICAL SVC	Conn	NAVY	RDTE/Services-Engineering Development		165
		Rhode Isld	NAVY	RDTE/Services-Engineering Development		251
		Virginia	NAVY	RDTE/Services-Engineering Development		445
	CONTRACTOR TOTAL					861
	ELDYNE INC	Conn	NAVY	RDTE/Services-Engineering Development		100
	ESSEX CORPORATION	Florida	NAVY	RDTE/Services-Engineering Development		105
	F & M MANUFACTURING INC	Maryland	ARMY	RDTE/Services-Engineering Development		150
	FLORIDA ATLANTIC UNIVERSITY	Florida	NAVY	RDTE/Services-Engineering Development		40
	FORD H J ASSOCIATES INC	Ohio	USAF	RDTE/Services-Engineering Development		159
	FOSTER MILLER INC	Mass	ARMY	RDTE/Services-Engineering Development		205

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD24 (CONTINUED)						
	FRONTIER ENGINEERING INC	Ohio	USAF	RDTE/Services-Engineering Development	$	126
		Oklahoma	USAF	RDTE/Services-Engineering Development		1,054
	CONTRACTOR TOTAL					1,180
	GEMMA CORPORATION	Penn	NAVY	RDTE/Services-Engineering Development		45
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/Services-Engineering Development		1,659
		Texas	USAF	RDTE/Services-Engineering Development		1,934
	CONTRACTOR TOTAL					3,592
	GENERAL ELECTRIC COMPANY	New Jersey	NAVY	RDTE/Services-Engineering Development		13,673
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/Services-Engineering Development		800
	GEORGIA TECH RESEARCH CORP	Conn	NAVY	RDTE/Services-Engineering Development		194
	GNOSTECH INC	Penn	NAVY	RDTE/Services-Engineering Development		159
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/Services-Engineering Development		103
	HILTON SYSTEMS INC	Alabama	ARMY	RDTE/Services-Engineering Development		904
	INFORMATION NETWORK SYSTEMS	Penn	NAVY	RDTE/Services-Engineering Development		95
	INTEGRATED SYSTEMS ANALYSTS	Virginia	NAVY	RDTE/Services-Engineering Development		680
	INTERMETRICS INC	Penn	NAVY	RDTE/Services-Engineering Development		2,078
	ISA ASSOCIATES INC	Virginia	NAVY	RDTE/Services-Engineering Development		75
	ITT CORPORATION	Florida	USAF	RDTE/Services-Engineering Development		71
	KETRON INC	Penn	NAVY	RDTE/Services-Engineering Development		1,191
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/Services-Engineering Development		905
	LINDSEY WILLIAM C INC	Conn	NAVY	RDTE/Services-Engineering Development		1,133
	LOCKHEED AERONAUTICAL SYS CO	California	NAVY	RDTE/Services-Engineering Development		245
	LOCKHEED SANDERS INC	New Mexico	ARMY	RDTE/Services-Engineering Development		9,213
	LOCKHEED WESTERN EXPORT CO	California	NAVY	RDTE/Services-Engineering Development		196

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD24 (CONTINUED)					
	LOGICON INC	Conn	NAVY	RDTE/Services-Engineering Development	$ 51
	LOGISTICS MANAGEMENT ENGRG	California	NAVY	RDTE/Services-Engineering Development	819
		Penn	NAVY	RDTE/Services-Engineering Development	1,518
	CONTRACTOR TOTAL				2,337
	LSA INC	California	NAVY	RDTE/Services-Engineering Development	693
	MAK TECHNOLOGIES INC	Mass	NAVY	RDTE/Services-Engineering Development	49
	MANTECH INTERNATIONAL CORP	Penn	NAVY	RDTE/Services-Engineering Development	70
	MARTIN MARIETTA CORPORATION	Maryland	NAVY	RDTE/Services-Engineering Development	84
	MCDONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/Services-Engineering Development	195
			USAF	RDTE/Services-Engineering Development	28
	STATE TOTAL				223
	MCLAUGHLIN RESEARCH CORP	New York	NAVY	RDTE/Services-Engineering Development	150
		Rhode Isld	NAVY	RDTE/Services-Engineering Development	126
	CONTRACTOR TOTAL				276
	MCSI TECHNOLOGIES INC	Virginia	NAVY	RDTE/Services-Engineering Development	847
	MING OF UTAH INC	Conn	NAVY	RDTE/Services-Engineering Development	33
		Rhode Isld	NAVY	RDTE/Services-Engineering Development	100
	CONTRACTOR TOTAL				133
	MODERN TECHNOLOGIES CORP	Ohio	USAF	RDTE/Services-Engineering Development	4,593
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/Services-Engineering Development	471
	NAVMAR APPLIED SCIENCES CORP	Penn	NAVY	RDTE/Services-Engineering Development	603
	NICHOLS RESEARCH CORPORATION	New Mexico	ARMY	RDTE/Services-Engineering Development	598
	OMNI ANALYSIS INC	Conn	NAVY	RDTE/Services-Engineering Development	410
	OPTICAL SHIELDS LIMITED	California	NAVY	RDTE/Services-Engineering Development	190

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD24 (CONTINUED)					
	ORLANDO TECHNOLOGY INC	Florida	USAF	RDTE/Services-Engineering Development	$ 315
	PACER SYSTEMS INC	Penn	NAVY	RDTE/Services-Engineering Development	1,325
	PARAMAX SYSTEMS CORP	California	NAVY	RDTE/Services-Engineering Development	861
	PRC INC	Virginia	USAF	RDTE/Services-Engineering Development	6,198
	QUESTECH INC	Virginia	ARMY	RDTE/Services-Engineering Development	162
	R J O ENTERPRISES INC	Maryland	USAF	RDTE/Services-Engineering Development	264
		Ohio	USAF	RDTE/Services-Engineering Development	268
	CONTRACTOR TOTAL				532
	RAYTHEON COMPANY	Rhode Isld	NAVY	RDTE/Services-Engineering Development	111
	REGENCY SYSTEMS INC	Illinois	NAVY	RDTE/Services-Engineering Development	226
	RESEARCH TECHNOLOGY ASSOCIATES	Arizona	NAVY	RDTE/Services-Engineering Development	42
	RIGEL CORPORATION	Virginia	NAVY	RDTE/Services-Engineering Development	185
	SACHSE ENGINEERING ASSOCIATES	California	NAVY	RDTE/Services-Engineering Development	322
	SCHWARTZ ELECTRO-OPTICS INC	Florida	NAVY	RDTE/Services-Engineering Development	97
	SCIENCE APPLICATIONS INTL CORP	Conn	NAVY	RDTE/Services-Engineering Development	159
		Mass	NAVY	RDTE/Services-Engineering Development	50
	CONTRACTOR TOTAL				209
	SEAWARD SERVICES INC	Florida	NAVY	RDTE/Services-Engineering Development	50
	SONALYSTS INC	Conn	NAVY	RDTE/Services-Engineering Development	3,327
	SPEARS ASSOCIATES INC	Mass	NAVY	RDTE/Services-Engineering Development	82
	SPECTRA RESEARCH INC	Ohio	ARMY	RDTE/Services-Engineering Development	49
	STRUCTURED TECHNOLOGY CORP	Conn	NAVY	RDTE/Services-Engineering Development	1,066
	STV GROUP INC	Penn	NAVY	RDTE/Services-Engineering Development	90
	SUPPORT SYSTEMS ASSOCIATES	Ohio	USAF	RDTE/Services-Engineering Development	123-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD24 (CONTINUED)					
	SYNETICS CORPORATION	Virginia	NAVY	RDTE/Services-Engineering Development	$ 1,391
	SYRACUSE UNIVERSITY	New York	NAVY	RDTE/Services-Engineering Development	40
	SYSCON CORPORATION	Virginia	NAVY	RDTE/Services-Engineering Development	350
	SYSTEMS CONTROL TECHNOLOGY	California	NAVY	RDTE/Services-Engineering Development	50
	SYSTEMS ENGINEERING ASSOCIATES	Rhode Isld	NAVY	RDTE/Services-Engineering Development	60
	TASC	Florida	USAF	RDTE/Services-Engineering Development	2,569
	TECHNICAL EVALUATION RESEARCH	New Jersey	ARMY	RDTE/Services-Engineering Development	42-
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/Services-Engineering Development	36
	TRACOR APPLIED SCIENCES INC	Conn	NAVY	RDTE/Services-Engineering Development	833
	TRACOR INC	Conn	NAVY	RDTE/Services-Engineering Development	50
	TROY SYSTEMS INC	Ohio	USAF	RDTE/Services-Engineering Development	488
	TRW INC	Conn	NAVY	RDTE/Services-Engineering Development	162
		Virginia	NAVY	RDTE/Services-Engineering Development	94
	CONTRACTOR TOTAL				256
	UNISYS CORPORATION	California	NAVY	RDTE/Services-Engineering Development	296
		Penn	NAVY	RDTE/Services-Engineering Development	488
	CONTRACTOR TOTAL				783
	VEDA INCORPORATED	Penn	NAVY	RDTE/Services-Engineering Development	1,106
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	NAVY	RDTE/Services-Engineering Development	50
	VITRO CORPORATION	Florida	NAVY	RDTE/Services-Engineering Development	165
		Penn	NAVY	RDTE/Services-Engineering Development	120
		Rhode Isld	NAVY	RDTE/Services-Engineering Development	35
	CONTRACTOR TOTAL				320
	WHITE H P LABORATORY INC	Maryland	ARMY	RDTE/Services-Engineering Development	173

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
R&D TOTAL					$ 103,976
AD25	ADVANCE INCORPORATED	Virginia	NAVY	RDTE/Services-Operational Systems Developm	2,334
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	NAVY	RDTE/Services-Operational Systems Developm	745
	AEPCO INC	Maryland	NAVY	RDTE/Services-Operational Systems Developm	324
	ALPHATECH INC	Mass	NAVY	RDTE/Services-Operational Systems Developm	586
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/Services-Operational Systems Developm	159
		Rhode Isld	NAVY	RDTE/Services-Operational Systems Developm	60
	CONTRACTOR TOTAL				219
	ANALYTIC SERVICES INC	Virginia	ARMY	RDTE/Services-Operational Systems Developm	172
	ARGOSYSTEMS INC	Maryland	NAVY	RDTE/Services-Operational Systems Developm	100
	ARINC RESEARCH CORPORATION	California	USAF	RDTE/Services-Operational Systems Developm	9,208
	ATLANTIC RESEARCH CORPORATION	Ohio	USAF	RDTE/Services-Operational Systems Developm	799
		Virginia	NAVY	RDTE/Services-Operational Systems Developm	3,826
	CONTRACTOR TOTAL				4,625
	BDM INTERNATIONAL INC	Virginia	NAVY	RDTE/Services-Operational Systems Developm	94
	BOLT BERANEK & NEWMAN INC	Conn	NAVY	RDTE/Services-Operational Systems Developm	147
	BOOZ ALLEN & HAMILTON INC	Virginia	NAVY	RDTE/Services-Operational Systems Developm	100
	C A E INDUSTRIES LTD	New York	NAVY	RDTE/Services-Operational Systems Developm	75
	C CUBED CORPORATION	Virginia	NAVY	RDTE/Services-Operational Systems Developm	865
	COLEMAN RESEARCH CORPORATION	Florida	ARMY	RDTE/Services-Operational Systems Developm	298
			NAVY	RDTE/Services-Operational Systems Developm	451
		STATE TOTAL			748
	COMPUTER SCIENCES CORPORATION	New Jersey	NAVY	RDTE/Services-Operational Systems Developm	90
		Ohio	USAF	RDTE/Services-Operational Systems Developm	7,910
		Penn	NAVY	RDTE/Services-Operational Systems Developm	2,823

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Directorate for Information
Operations and Reports

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD25 (CONTINUED)					
		Virginia	NAVY	RDTE/Services-Operational Systems Developm	$ 10,591
	CONTRACTOR TOTAL				21,414
	COMPUTER SOFTWARE ANALYSTS	Ohio	USAF	RDTE/Services-Operational Systems Developm	126
	DEFENSE RESEARCH TECHNOLOGIES	Maryland	ARMY	RDTE/Services-Operational Systems Developm	277
	DELEX SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/Services-Operational Systems Developm	170
	E C CORPORATION OF OAK RIDGE	Alabama	ARMY	RDTE/Services-Operational Systems Developm	160
	ELECTROSPACE SYSTEMS INC	Ohio	USAF	RDTE/Services-Operational Systems Developm	914
	F & M MANUFACTURING INC	Maryland	ARMY	RDTE/Services-Operational Systems Developm	256
	FORD H J ASSOCIATES INC	Ohio	USAF	RDTE/Services-Operational Systems Developm	554
	FRONTIER ENGINEERING INC	Ohio	USAF	RDTE/Services-Operational Systems Developm	348
		Oklahoma	USAF	RDTE/Services-Operational Systems Developm	171
	CONTRACTOR TOTAL				519
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/Services-Operational Systems Developm	61
	GENERAL ELECTRIC COMPANY	New Jersey	NAVY	RDTE/Services-Operational Systems Developm	3,671
			USAF	RDTE/Services-Operational Systems Developm	26-
		STATE TOTAL			3,645
		Penn	NAVY	RDTE/Services-Operational Systems Developm	95
		Virginia	NAVY	RDTE/Services-Operational Systems Developm	43-
	CONTRACTOR TOTAL				3,697
	GENERAL OFFSHORE CORPORATION	Florida	NAVY	RDTE/Services-Operational Systems Developm	285
	HUGHES STX CORPORATION	Maryland	NAVY	RDTE/Services-Operational Systems Developm	321
	IMS SERVICES INC	Virginia	NAVY	RDTE/Services-Operational Systems Developm	864
	INTEGRATED MICROCOMPUTER SYS	Virginia	NAVY	RDTE/Services-Operational Systems Developm	690
	INTEGRATED TEST & EVAL COOPERA	California	NAVY	RDTE/Services-Operational Systems Developm	405

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD25 (CONTINUED)						
	INTERMETRICS INC	Penn	ARMY	RDTE/Services-Operational Systems Developm	$	4,312
	JOHNSON CONTROLS WORLD SERVICE	Florida	ARMY	RDTE/Services-Operational Systems Developm		101,913
		Marshall I	ARMY	RDTE/Services-Operational Systems Developm		18,015
	CONTRACTOR TOTAL					119,927
	KETRON INC	Penn	NAVY	RDTE/Services-Operational Systems Developm		698
	KEYSTONE COMPUTER ASSOCIATES	Maryland	NAVY	RDTE/Services-Operational Systems Developm		37
		Penn	NAVY	RDTE/Services-Operational Systems Developm		344
	CONTRACTOR TOTAL					381
	KRUG INTERNATIONAL CORPORATION	Ohio	USAF	RDTE/Services-Operational Systems Developm		416
	LITTON SYSTEMS INC	California	NAVY	RDTE/Services-Operational Systems Developm		53
	MANAGEMENT CONSULTING & RES	Ohio	USAF	RDTE/Services-Operational Systems Developm		37
	MODERN TECHNOLOGIES CORP	Ohio	ARMY	RDTE/Services-Operational Systems Developm		55
			USAF	RDTE/Services-Operational Systems Developm		675
		STATE TOTAL				730
	N T L INC	Miss	NAVY	RDTE/Services-Operational Systems Developm		300
		Virginia	NAVY	RDTE/Services-Operational Systems Developm		137
	CONTRACTOR TOTAL					437
	NATIONAL SYSTEMS & RES CO	Colorado	NAVY	RDTE/Services-Operational Systems Developm		537
	ORLANDO TECHNOLOGY INC	Florida	USAF	RDTE/Services-Operational Systems Developm		185
	OWL INTERNATIONAL INC	California	ARMY	RDTE/Services-Operational Systems Developm		819
	PACER SYSTEMS INC	Penn	NAVY	RDTE/Services-Operational Systems Developm		201
	PARAMAX SYSTEMS CORP	Virginia	NAVY	RDTE/Services-Operational Systems Developm		801
	PLANNING CONSULTANTS INC	Virginia	NAVY	RDTE/Services-Operational Systems Developm		2,831
	PRC INC	Alabama	ARMY	RDTE/Services-Operational Systems Developm		355

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD25 (CONTINUED)					
		Virginia	ARMY	RDTE/Services-Operational Systems Developm	$ 7,436
			NAVY	RDTE/Services-Operational Systems Developm	3,528
		STATE TOTAL			10,964
	CONTRACTOR TOTAL				11,320
	PRC/ORI JV	Alabama	ARMY	RDTE/Services-Operational Systems Developm	67
		Virginia	ARMY	RDTE/Services-Operational Systems Developm	1,163
	CONTRACTOR TOTAL				1,229
	QUANTUM RESEARCH INTERNATIONAL	Alabama	ARMY	RDTE/Services-Operational Systems Developm	106
	R J O ENTERPRISES INC	Maryland	USAF	RDTE/Services-Operational Systems Developm	226
		Ohio	USAF	RDTE/Services-Operational Systems Developm	401
	CONTRACTOR TOTAL				627
	RAYTHEON COMPANY	New York	USAF	RDTE/Services-Operational Systems Developm	268
	RECON OPTICAL INC	Illinois	NAVY	RDTE/Services-Operational Systems Developm	1,010
	RESEARCH MANAGEMENT CONS	California	NAVY	RDTE/Services-Operational Systems Developm	2,283
	RESOURCE CONSULTANTS INC	Virginia	NAVY	RDTE/Services-Operational Systems Developm	42-
	SCIENCE & TECHNOLOGY CORP	Virginia	ARMY	RDTE/Services-Operational Systems Developm	75
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Services-Operational Systems Developm	4,155
	SEAWARD SERVICES INC	Florida	NAVY	RDTE/Services-Operational Systems Developm	270
	SIMMS INDUSTRIES INC	Virginia	NAVY	RDTE/Services-Operational Systems Developm	1,225
	SONALYSTS INC	Conn	NAVY	RDTE/Services-Operational Systems Developm	219
	STEVENS INSTITUTE OF TECH	New Jersey	ARMY	RDTE/Services-Operational Systems Developm	247
	STRATEGIC FINCL PLG SYSTEMS	Virginia	NAVY	RDTE/Services-Operational Systems Developm	581
	SVERDRUP TECHNOLOGY INC	Tennessee	USAF	RDTE/Services-Operational Systems Developm	4,327
	SYNETICS CORPORATION	Virginia	NAVY	RDTE/Services-Operational Systems Developm	150

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTY	DEPT	R&D DESCRIPTION		
AD25 (CONTINUED)						
	SYSCON CORPORATION	Virginia	NAVY	RDTE/Services-Operational Systems Developm	$	168
	SYSTEMS ENGINEERING & MGT CO	Ohio	USAF	RDTE/Services-Operational Systems Developm		911
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/Services-Operational Systems Developm		2,437
	TROY SYSTEMS INC	Ohio	USAF	RDTE/Services-Operational Systems Developm		297
	TRW INC	Ohio	USAF	RDTE/Services-Operational Systems Developm		366-
	TWIN CITY TECHNICAL CASTINGS	Minnesota	USAF	RDTE/Services-Operational Systems Developm		38-
	UNISYS CORPORATION	Penn	NAVY	RDTE/Services-Operational Systems Developm		2,166
		Virginia	NAVY	RDTE/Services-Operational Systems Developm		175
	CONTRACTOR TOTAL					2,341
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Services-Operational Systems Developm		348
	VEDA INCORPORATED	Penn	NAVY	RDTE/Services-Operational Systems Developm		505
	VITRO CORPORATION	Virginia	NAVY	RDTE/Services-Operational Systems Developm		1,220
	VSE CORPORATION	Virginia	ARMY	RDTE/Services-Operational Systems Developm		2,594
	ZEGER ABRAMS INCORPORATED	Penn	NAVY	RDTE/Services-Operational Systems Developm		28
R&D TOTAL						221,919
AD26	ADVANCED ENGNEERING & PLANNING	Maryland	NAVY	RDTE/Services-Management & Support		400
	ADVANCED SYSTEMS TECHNOLOGIES	Colorado	NAVY	RDTE/Services-Management & Support		57
	AEGIS RESEARCH CORPORATION	Virginia	ARMY	RDTE/Services-Management & Support		617
	AEPCO INC	Maryland	NAVY	RDTE/Services-Management & Support		450
	AMHERST SYSTEMS INC	New York	USAF	RDTE/Services-Management & Support		200
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/Services-Management & Support		32
	ANALYTIC SERVICES INC	Colorado	USAF	RDTE/Services-Management & Support		50
	ANALYTICAL SYSTEMS ENGRG CORP	Mass	NAVY	RDTE/Services-Management & Support		402
	AQUIDNECK MGT ASSOC LTD	Rhode Isld	NAVY	RDTE/Services-Management & Support		167

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD26 (CONTINUED)						
	BRTRC INC	Virginia	ARMY	RDTE/Services-Management & Support	$	553
	CAMBRIDGE ACOUSTICAL ASSOC	Mass	NAVY	RDTE/Services-Management & Support		160
	CAPE COD RESEARCH INC	Mass	NAVY	RDTE/Services-Management & Support		100
	COMPUTER SCIENCE APPLICATIONS	Florida	USAF	RDTE/Services-Management & Support		2,195
	CONCORD HILL GROUP INC	Mass	NAVY	RDTE/Services-Management & Support		493
	CRAFTSMEN CORP	New York	ARMY	RDTE/Services-Management & Support		68
	DEEGAN RESEARCH GROUP INC	Rhode Isld	NAVY	RDTE/Services-Management & Support		50
	DUAL & ASSOCIATES INC	Virginia	NAVY	RDTE/Services-Management & Support		452
	EAGLE TECHNOLOGY INC	Virginia	ARMY	RDTE/Services-Management & Support		7,129
	ELECTRONIC DECISIONS INC	Illinois	NAVY	RDTE/Services-Management & Support		47
	FOSTER MILLER INC	Mass	NAVY	RDTE/Services-Management & Support		52
	GENERAL ELECTRIC COMPANY	New Jersey	ARMY	RDTE/Services-Management & Support		6,041
		Marshall I	ARMY	RDTE/Services-Management & Support		17,959
	CONTRACTOR TOTAL					24,000
	GTE CORPORATION	California	ARMY	RDTE/Services-Management & Support		68
	GTE GOVERNMENT SYSTEMS CORP	Mass	ARMY	RDTE/Services-Management & Support		11,827
		Marshall I	ARMY	RDTE/Services-Management & Support		2,450
	CONTRACTOR TOTAL					14,277
	HAWKER PACIFIC INC	California	ARMY	RDTE/Services-Management & Support		126
	HILTON SYSTEMS INC	Alabama	ARMY	RDTE/Services-Management & Support		2,399
	HUMAN RSRCES RES ORGANIZATION	Virginia	ARMY	RDTE/Services-Management & Support		34
	INTERFACE ENGINEERING	Conn	NAVY	RDTE/Services-Management & Support		49
	INTERMETRICS INC	Penn	ARMY	RDTE/Services-Management & Support		513
	INTERNATIONAL BUS MCHS CORP	Virginia	NAVY	RDTE/Services-Management & Support		400

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD26 (CONTINUED)					
	KAMAN AEROSPACE CORPORATION	Conn	ARMY	RDTE/Services-Management & Support	$ 50
	KELLY PERSONNEL SERVICES INC	PANAMA	ARMY	RDTE/Services-Management & Support	241
	LORAL VOUGHT SYSTEMS	Texas	USAF	RDTE/Services-Management & Support	1,627
	MASSA PRODUCTS CORPORATION	Mass	NAVY	RDTE/Services-Management & Support	75
	MCDONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/Services-Management & Support	1,322
	MISSION SCIENCES CORP	New York	NAVY	RDTE/Services-Management & Support	298
	NASA JOHNSON SPACE CENTER	Texas	NAVY	RDTE/Services-Management & Support	48
	NORTH DAKOTA STATE UNIV LIB	N Dakota	USAF	RDTE/Services-Management & Support	300
	NORTH DAKOTA STATE UNIVERSITY	N Dakota	USAF	RDTE/Services-Management & Support	190
	ORINCON CORPORATION	California	NAVY	RDTE/Services-Management & Support	50
	R B C INCORPORATED	Virginia	NAVY	RDTE/Services-Management & Support	198
	RAYTHEON COMPANY	Mass	NAVY	RDTE/Services-Management & Support	304
	RIVERA NICHOLAS N	Virginia	NAVY	RDTE/Services-Management & Support	50
	SANDIA RESEARCH ASSOCIATES	New Mexico	NAVY	RDTE/Services-Management & Support	500
	SCIENCE & TECHNOLOGY CORP	Virginia	ARMY	RDTE/Services-Management & Support	1,481
	SEAWARD SERVICES INC	Florida	NAVY	RDTE/Services-Management & Support	50
	SIPPICAN INC	Mass	NAVY	RDTE/Services-Management & Support	49
	SONALYSTS INC	Conn	NAVY	RDTE/Services-Management & Support	50
	SONEX ENTERPISES INC	Virginia	ARMY	RDTE/Services-Management & Support	41
	SRI INTERNATIONAL	California	ARMY	RDTE/Services-Management & Support	185
	SUNCOAST SCIENTIFIC INC	Florida	USAF	RDTE/Services-Management & Support	40
	SYSTEM RESOURCES CORPORATION	Mass	ARMY	RDTE/Services-Management & Support	57
	SYSTEMS ENGINEERING INTL	California	NAVY	RDTE/Services-Management & Support	498
	TASC	Ohio	USAF	RDTE/Services-Management & Support	7,701

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD26 (CONTINUED)						
	TECHNICAL & MGT SVCS CORP	Maryland	ARMY	RDTE/Services-Management & Support	$	1,021
		New Jersey	ARMY	RDTE/Services-Management & Support		1,065
	CONTRACTOR TOTAL					2,087
	TECHNICAL DOCUMENTATION INC	Penn	NAVY	RDTE/Services-Management & Support		100
	TECOLOTE RESEARCH INC	Ohio	USAF	RDTE/Services-Management & Support		2,151
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/Services-Management & Support		35
	TRACOR APPLIED SCIENCES INC	Virginia	NAVY	RDTE/Services-Management & Support		580
	TRW INC	Virginia	NAVY	RDTE/Services-Management & Support		1,675
	UNIVERSAL TECHNOLOGY CORP	Ohio	USAF	RDTE/Services-Management & Support		890
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/Services-Management & Support		40
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/Services-Management & Support		479
	WESTAR CORPORATION	New Mexico	ARMY	RDTE/Services-Management & Support		1,676
	XEMET INC	Conn	NAVY	RDTE/Services-Management & Support		50
		Washington	NAVY	RDTE/Services-Management & Support		98
	CONTRACTOR TOTAL					148
R&D TOTAL						80,806
AD32	FOODCO CORPORATION	California	ARMY	RDTE/Subsistence-Exploratory Development		235
	UNIVERSITY OF DELAWARE	Delaware	ARMY	RDTE/Subsistence-Exploratory Development		176
	WASHINGTON STATE UNIVERSITY	Washington	ARMY	RDTE/Subsistence-Exploratory Development		318
R&D TOTAL						729
AD33	HERCULES INCORPORATED	W Virginia	NAVY	RDTE/Subsistence-Advanced Development		1,100
	SYSTEM PLANNING CORPORATION	California	NAVY	RDTE/Subsistence-Advanced Development		34
	TECHNLOGY ASSSSMENT TRANSF INC	Maryland	ARMY	RDTE/Subsistence-Advanced Development		172
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/Subsistence-Advanced Development		77

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD33 (CONTINUED)					
	UNITED STATES DEPT OF COMMERCE	Maryland	NAVY	RDTE/Subsistence-Advanced Development	$ 120
R&D TOTAL					1,503
AD34	T CARROLL ASSOCIATES INC	Maryland	NAVY	RDTE/Subsistence-Engineering Development	30
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/Subsistence-Engineering Development	30
R&D TOTAL					60
AD41	EASTMAN KODAK COMPANY	New York	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	
	HLA ENGINEERS INC	Texas	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	138
	MAINSTREAM ENGINEERING CORP	Florida	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	92
	MOLECULAR TECHNOLOGIES INC	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	250
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	151
	PHYSICAL OPTICS CORPORATION	California	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	250
	PRINCETON UNIVERSITY	New Jersey	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	130
	TECOGEN INC	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	127
	TEST SYSTEMS INC	N.H.	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	150
	TINGLEY RUBBER CORPORATION	New Jersey	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	100
	UNIVERSITY OF LOWELL	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	153
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	120
	UNIVERSITY OF WASH ALMNI ASSN	Washington	ARMY	RDTE/Textiles, Clothing, Equipage-Basic Re	51
R&D TOTAL					1,710
AD42	3M	Minnesota	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D	507
	A A I CORPORATION	Maryland	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D	2,578
	ALBANY INTERNATIONAL CORP	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D	70
	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D	27
	BIRDAIR STRUCTURES INC	New York	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D	138

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD42 (CONTINUED)						
	CHEMFAB CORPORATION	New York	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D	$	177
	CORNELL UNIVERSITY	New York	NAVY	RDTE/Textiles, Clothing, Equipage-Explor D		154
	ENVIRNMENTAL RES INST OF MICH	Michigan	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		600
	FEDERAL FABRICS	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		86
	GENERAL ELECTRIC COMPANY	Ohio	USAF	RDTE/Textiles, Clothing, Equipage-Explor D		150
	GENTEX CORPORATION	Penn	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		42
	HONEYWELL INC	Minnesota	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		1,743
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/Textiles, Clothing, Equipage-Explor D		528
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		92
	ILLUSION ENGINEERING INC	California	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		323
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		211
	MAINSTREAM ENGINEERING CO INC	Florida	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		166-
	OPTICAL COATING LABORATORY	California	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		276
	OPTICAL SHIELDS LIMITED	California	NAVY	RDTE/Textiles, Clothing, Equipage-Explor D		145
	POLAROID CORPORATION	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		153
	ROCHESTER INST OF TECHNOLOGY	New York	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		51
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Textiles, Clothing, Equipage-Explor D		134
	SRI INTERNATIONAL	California	NAVY	RDTE/Textiles, Clothing, Equipage-Explor D		326
	TITAN CORPORATION	New Jersey	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		53
	UNIVERSITY OF DAYTON	Ohio	NAVY	RDTE/Textiles, Clothing, Equipage-Explor D		323
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		75
	WORCESTER POLYTECHNIC INSTITUT	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Explor D		100
R&D TOTAL						8,896
AD43	ASPEN SYSTEMS INC	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Advanced		135

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD43 (CONTINUED)					
	FTL ASSOCIATES INC	New York	ARMY	RDTE/Textiles, Clothing, Equipage-Advanced	$ 84
	GEOMET INC	Maryland	ARMY	RDTE/Textiles, Clothing, Equipage-Advanced	3,460
	HOLOGRAPHIC OPTICS INC	New York	NAVY	RDTE/Textiles, Clothing, Equipage-Advanced	169
	METRIC SYSTEMS CORPORATION	Florida	ARMY	RDTE/Textiles, Clothing, Equipage-Advanced	102
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/Textiles, Clothing, Equipage-Advanced	250
	RAPIDEX INC	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Advanced	38
	S-TRON	California	ARMY	RDTE/Textiles, Clothing, Equipage-Advanced	2,738
	SINHA SACH AND ASSOC	California	ARMY	RDTE/Textiles, Clothing, Equipage-Advanced	77
	R&D TOTAL				7,053
AD44	AMERCIAN TECHNOLOGY CORP	Maryland	ARMY	RDTE/Textiles, Clothing, Equipage-Engr Dev	198
	BALL CORPORATION	California	ARMY	RDTE/Textiles, Clothing, Equipage-Engr Dev	73
	GENTEX CORPORATION	Penn	NAVY	RDTE/Textiles, Clothing, Equipage-Engr Dev	120
			USAF	RDTE/Textiles, Clothing, Equipage-Engr Dev	2,527
		STATE TOTAL			2,647
	GUILD ASSOCIATES INC	Ohio	ARMY	RDTE/Textiles, Clothing, Equipage-Engr Dev	206
	ILC DOVER INC	Delaware	USAF	RDTE/Textiles, Clothing, Equipage-Engr Dev	179
	INSTRON CORPORATION	Delaware	NAVY	RDTE/Textiles, Clothing, Equipage-Engr Dev	63
	MINE SAFETY APPLIANCES CO	Penn	USAF	RDTE/Textiles, Clothing, Equipage-Engr Dev	78
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/Textiles, Clothing, Equipage-Engr Dev	250
	NATIONAL DRAEGER INC	Penn	USAF	RDTE/Textiles, Clothing, Equipage-Engr Dev	123
	RACAL HEALTH & SAFETY INC	Maryland	NAVY	RDTE/Textiles, Clothing, Equipage-Engr Dev	41
	ROHM & HAAS COMPANY	Penn	USAF	RDTE/Textiles, Clothing, Equipage-Engr Dev	106-
	S-TRON	California	ARMY	RDTE/Textiles, Clothing, Equipage-Engr Dev	56-
	STV GROUP INC	Penn	NAVY	RDTE/Textiles, Clothing, Equipage-Engr Dev	2,010

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD44 (CONTINUED)						
	TDA RESEARCH INC	Colorado	ARMY	RDTE/Textiles, Clothing, Equipage-Engr Dev	$	238
	TRIANGLE RESEARCH & DEV CORP	N Carolina	NAVY	RDTE/Textiles, Clothing, Equipage-Engr Dev		47
	R&D TOTAL					5,990
AD45	GEO CENTERS INC	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Op Syste		3,695
	KETRON INC	Penn	NAVY	RDTE/Textiles, Clothing, Equipage-Op Syste		240
	R&D TOTAL					3,935
AD46	ARCANUM CORPORATION	Michigan	ARMY	RDTE/Textiles, Clothing, Equipage-Mgmt & S		50
	DAMASKOS INC	Penn	ARMY	RDTE/Textiles, Clothing, Equipage-Mgmt & S		50
	ESKAY ASSOCIATES	Michigan	ARMY	RDTE/Textiles, Clothing, Equipage-Mgmt & S		49
	FOSTER MILLER INC	Mass	ARMY	RDTE/Textiles, Clothing, Equipage-Mgmt & S		52
	MAINSTREAM ENGINEERING CO INC	Florida	ARMY	RDTE/Textiles, Clothing, Equipage-Mgmt & S		50
	MICHIGAN STATE UNIVERSITY	Michigan	ARMY	RDTE/Textiles, Clothing, Equipage-Mgmt & S		56
	UTILITY DEVELOPMENT CORP	New Jersey	ARMY	RDTE/Textiles, Clothing, Equipage-Mgmt & S		43
	R&D TOTAL					350
AD51	APPLIED SCIENCES INC	Ohio	USAF	RDTE/Fuels and Lubricants-Basic Research		61
	CREARE INC	N.H.	USAF	RDTE/Fuels and Lubricants-Basic Research		49
	DESALINATION SYSTEMS INC	California	NAVY	RDTE/Fuels and Lubricants-Basic Research		49
	NETROLOGIC INC	Ohio	USAF	RDTE/Fuels and Lubricants-Basic Research		50
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/Fuels and Lubricants-Basic Research		93
	SRI INTERNATIONAL	California	USAF	RDTE/Fuels and Lubricants-Basic Research		138
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Fuels and Lubricants-Basic Research		60
	R&D TOTAL					500
AD52	ADVANCED FUEL RESEARCH INC	Conn	USAF	RDTE/Fuels and Lubricants-Exploratory Deve		66
	ALLIED SIGNAL AEROSPACE CO	Arizona	USAF	RDTE/Fuels and Lubricants-Exploratory Deve		70

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD52 (CONTINUED)					
	ALLIED SIGNAL INC	Illinois	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	$ 50
	AMERICAN SUPERCONDUCTOR CORP	Mass	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	103
	CCS ASSOCIATES	Penn	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	50
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	168
	GENERAL ELECTRIC COMPANY	Ohio	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	
	HOWARD UNIVERSITY	D.C	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	30
	LEACH CORPORATION	California	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	240
	MARQUARDT COMPANY THE	California	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	58-
	MCDONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	198
	MECHANICAL TECHNOLOGY INC	Ohio	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	372
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/Fuels and Lubricants-Exploratory Deve	623
	SPIRE CORPORATION	Mass	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	250
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	196
		Conn	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	120
		Florida	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	365
	CONTRACTOR TOTAL				681
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	715
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	1,116
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	123
	YARDNEY TECHNICAL PRODUCTS	Conn	USAF	RDTE/Fuels and Lubricants-Exploratory Deve	552
R&D TOTAL					5,349
AD53	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/Fuels and Lubricants-Advanced Develop	2,417
	SPIRE CORPORATION	Mass	USAF	RDTE/Fuels and Lubricants-Advanced Develop	42
	WEDEVEN ASSOCIATES INC	Penn	NAVY	RDTE/Fuels and Lubricants-Advanced Develop	99

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 2,558
AD56	DESILUBE TECHNOLOGY INC	Penn	USAF	RDTE/Fuels and Lubricants-Management & Sup	60
	MARCHEM	Texas	USAF	RDTE/Fuels and Lubricants-Management & Sup	60
	R&D TOTAL				120
AD61	GEO SERVICES INC	Georgia	USAF	RDTE/Construction-Basic Research	150
	MCDONNELL DOUGLAS CORPORATION	Florida	ARMY	RDTE/Construction-Basic Research	1,275
	R&D TOTAL				1,425
AD62	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/Construction-Exploratory Development	200
	HORIZONS TECHNOLOGY INC	California	ARMY	RDTE/Construction-Exploratory Development	530
	LORAL CORP	Mass	ARMY	RDTE/Construction-Exploratory Development	26
	MARTIN MARIETTA CORPORATION	Maryland	ARMY	RDTE/Construction-Exploratory Development	100
	SCIENCE APPLICATIONS INTL CORP	D.C.	NAVY	RDTE/Construction-Exploratory Development	3,350
	TECHNICAL DOCUMENTATION INC	Penn	NAVY	RDTE/Construction-Exploratory Development	130
	TELEDYNE INDUSTRIES INC	Texas	ARMY	RDTE/Construction-Exploratory Development	1,393
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/Construction-Exploratory Development	130
	VARIAN ASSOCIATES INC	California	NAVY	RDTE/Construction-Exploratory Development	300
	R&D TOTAL				6,160
AD63	AEL DEFENSE CORP	Penn	NAVY	RDTE/Construction-Advanced Development	119
	BOLT BERANEK & NEWMAN INC	Rhode Isld	NAVY	RDTE/Construction-Advanced Development	33
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/Construction-Advanced Development	35
	GEORGE MASON UNIVERSITY	Virginia	USAF	RDTE/Construction-Advanced Development	67
	HYDROACOUSTICS INC	New York	NAVY	RDTE/Construction-Advanced Development	183
	LAWRENCE LIVERMORE LABORATORY	California	USAF	RDTE/Construction-Advanced Development	280
	MIDWEST RESEARCH TECHNOLOGIES	Wisconsin	NAVY	RDTE/Construction-Advanced Development	50
	NORWEGIAN DEFENSE RESEARCH ES	NORWAY	NAVY	RDTE/Construction-Advanced Development	49

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AD63 (CONTINUED)					
	STATE UNIV OF NY AT ALBANY	New York	USAF	RDTE/Construction-Advanced Development	$ 36
	SYRACUSE UNIVERSITY	New York	USAF	RDTE/Construction-Advanced Development	184
	THE CORE GROUP INC	New Mexico	USAF	RDTE/Construction-Advanced Development	120
	UNITED STATES DEPT OF COMMERCE	Colorado	USAF	RDTE/Construction-Advanced Development	150
	R&D TOTAL				1,307
AD64	DBA SYSTEMS INC	Florida	ARMY	RDTE/Construction-Engineering Development	6,534
	GOVERNMENT TECHNOLOGY SERVICES	Virginia	NAVY	RDTE/Construction-Engineering Development	179
	NAVSTAR SYSTEMS INC	California	ARMY	RDTE/Construction-Engineering Development	99
	TRACOR APPLIED SCIENCES INC	Maryland	NAVY	RDTE/Construction-Engineering Development	584
	TRACOR INC	Maryland	NAVY	RDTE/Construction-Engineering Development	50
	R&D TOTAL				7,446
AD65	COMPUTER SCIENCES CORPORATION	California	USAF	RDTE/Construction-Operational Systems Deve	1,783
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Construction-Operational Systems Deve	320
	INTERMETRICS INC	Penn	NAVY	RDTE/Construction-Operational Systems Deve	245
	PRC INC	Alabama	ARMY	RDTE/Construction-Operational Systems Deve	167
	PRC/ORI JV	Alabama	ARMY	RDTE/Construction-Operational Systems Deve	510
	ROCKWELL INTERNATIONAL CORP	Georgia	ARMY	RDTE/Construction-Operational Systems Deve	750
	VITRO CORPORATION	Penn	NAVY	RDTE/Construction-Operational Systems Deve	1,028
	R&D TOTAL				4,804
AD66	BIOLOGICAL COMPONENTS CORP	California	NAVY	RDTE/Construction-Management & Support	50
	J K RESEARCH	Montana	NAVY	RDTE/Construction-Management & Support	50
	SABRE SYSTEMS INC	Penn	NAVY	RDTE/Construction-Management & Support	132
	R&D TOTAL				232
AD91	3M	Minnesota	NAVY	RDTE/Other Defense-Basic Research	707

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	A P A OPTICS INC	Minnesota	NAVY	RDTE/Other Defense-Basic Research	$	394
	ABTECH CORPORATION	Virginia	USAF	RDTE/Other Defense-Basic Research		298
	ADAPTIVE SENSORS INC	California	USAF	RDTE/Other Defense-Basic Research		50
	ADAPTIVE SOFTWARE INC	Ohio	NAVY	RDTE/Other Defense-Basic Research		49
	ADAPTIVE TECHNOLOGY INC	New York	USAF	RDTE/Other Defense-Basic Research		66
	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/Other Defense-Basic Research		158
	ADVANCED RES & APPLICATIONS	California	NAVY	RDTE/Other Defense-Basic Research		49
	ADVANCED SCIENTIFIC CONCEPTS	California	NAVY	RDTE/Other Defense-Basic Research		50
	ADVANCED TECHNOLOGY MATERIALS	Conn	NAVY	RDTE/Other Defense-Basic Research		171
	AERODYNE RESEARCH INC	Maine	NAVY	RDTE/Other Defense-Basic Research		137
	AERONIX INC	Florida	NAVY	RDTE/Other Defense-Basic Research		1,906
	ALFAB INC	Alabama	ARMY	RDTE/Other Defense-Basic Research		96
	ALLIANT TECHSYSTEMS INC	Virginia	ARMY	RDTE/Other Defense-Basic Research		1,132
	ALLIED SIGNAL AEROSPACE CO	California	NAVY	RDTE/Other Defense-Basic Research		100
		D.C.	NAVY	RDTE/Other Defense-Basic Research		973
		Maryland	NAVY	RDTE/Other Defense-Basic Research		7,065
	CONTRACTOR TOTAL					8,137
	ALLIED SIGNAL INC	Maryland	NAVY	RDTE/Other Defense-Basic Research		554
	ALPHATECH INC	Mass	NAVY	RDTE/Other Defense-Basic Research		49
	ALUMINUM COMPANY OF AMERICA	Penn	NAVY	RDTE/Other Defense-Basic Research		150
	AMERICAN INST BIOLOGCL SCIENCE	D.C.	NAVY	RDTE/Other Defense-Basic Research		45
	AMERICAN RESEARCH CORP VA	Virginia	NAVY	RDTE/Other Defense-Basic Research		50
	AMERICAN SUPERCONDUCTOR CORP	Mass	NAVY	RDTE/Other Defense-Basic Research		600
	AMERICAN TELEPHONE & TELG CO	New Jersey	ARMY	RDTE/Other Defense-Basic Research		2,024

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
		New Mexico	NAVY	RDTE/Other Defense-Basic Research	$ 78
		N Carolina	NAVY	RDTE/Other Defense-Basic Research	20,704
	CONTRACTOR TOTAL				22,806
	AMHERST SYSTEMS INC	New York	NAVY	RDTE/Other Defense-Basic Research	325
	AMRON CORPORATION	Virginia	ARMY	RDTE/Other Defense-Basic Research	57
	ANACAPA SCIENCES INC	California	ARMY	RDTE/Other Defense-Basic Research	125
	ANALYSIS & TECHNOLOGY INC	Miss	NAVY	RDTE/Other Defense-Basic Research	90
	ANALYTICAL METHODS INC	Washington	NAVY	RDTE/Other Defense-Basic Research	433
	ANALYTYX ELECTRONIC SYSTEMS	N.H.	NAVY	RDTE/Other Defense-Basic Research	3,988
	ANRO ENGINEERING INC	Mass	ARMY	RDTE/Other Defense-Basic Research	53
			NAVY	RDTE/Other Defense-Basic Research	48
		STATE TOTAL			100
	APPLIED MATHEMATICS INC	Conn	NAVY	RDTE/Other Defense-Basic Research	300
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/Other Defense-Basic Research	65
	APPLIED RESEARCH CORPORATION	Maryland	NAVY	RDTE/Other Defense-Basic Research	245
	APPLIED RESEARCH LABORATORY	Virginia	NAVY	RDTE/Other Defense-Basic Research	70
	ARCO POWER TECHNOLOGIES INC	D.C.	NAVY	RDTE/Other Defense-Basic Research	31,773
	ARETE ASSOCIATES	California	ARMY	RDTE/Other Defense-Basic Research	174
			NAVY	RDTE/Other Defense-Basic Research	1,727
		STATE TOTAL			1,900
	ARETE' ASSOCIATES	California	NAVY	RDTE/Other Defense-Basic Research	200
	ARKANSAS UNIVERSITY OF	Arkansas	ARMY	RDTE/Other Defense-Basic Research	250
	ARTEP INC	D.C.	NAVY	RDTE/Other Defense-Basic Research	100
	ASSOCIATED UNIVERSITIES INC	New York	NAVY	RDTE/Other Defense-Basic Research	168
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/Other Defense-Basic Research	29,523

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	ASTRON CORPORATION	Virginia	USAF	RDTE/Other Defense-Basic Research	$ 59
	ASTRONAUTICS CORP OF AMERICA	Wisconsin	USAF	RDTE/Other Defense-Basic Research	120
	ASTROPOWER INC	Delaware	NAVY	RDTE/Other Defense-Basic Research	50
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/Other Defense-Basic Research	38
	AURA SYSTEMS	California	NAVY	RDTE/Other Defense-Basic Research	410
	AVCO CORPORATION	Mass	NAVY	RDTE/Other Defense-Basic Research	73
	B K DYNAMICS INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	53
	B-K DYNAMICS INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	495
	B-K SYSTEMS INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	289
	BALL CORPORATION	Colorado	NAVY	RDTE/Other Defense-Basic Research	349
	BALLENA SYSTEMS CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research	30
	BARRON ASSOCIATES INC	Virginia	NAVY	RDTE/Other Defense-Basic Research	178
	BATTELLE MEMORIAL INSTITUTE	Washington	NAVY	RDTE/Other Defense-Basic Research	100
	BDM INTERNATIONAL INC	Virginia	ARMY	RDTE/Other Defense-Basic Research	2,610
			NAVY	RDTE/Other Defense-Basic Research	99
		STATE TOTAL			2,710
	BDM MANAGEMENT SERVICES CO	California	NAVY	RDTE/Other Defense-Basic Research	60
		Virginia	NAVY	RDTE/Other Defense-Basic Research	144
	CONTRACTOR TOTAL				204
	BELL COMMUNICATIONS RESEARCH	New Jersey	NAVY	RDTE/Other Defense-Basic Research	557
	BENDIX FIELD ENGINEERING CORP	D.C.	NAVY	RDTE/Other Defense-Basic Research	428
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/Other Defense-Basic Research	35
	BIOINDUSTRIAL TECHNOLOGIES	Texas	NAVY	RDTE/Other Defense-Basic Research	50
	BIOTRONICS TECHNOLOGIES INC	Wisconsin	NAVY	RDTE/Other Defense-Basic Research	258

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	BKM BUSINESS DEVELOPMENT CORP	California	NAVY	RDTE/Other Defense-Basic Research	$	47
	BLACK & DECKER CORPORATION	D.C.	NAVY	RDTE/Other Defense-Basic Research		135
		Virginia	ARMY	RDTE/Other Defense-Basic Research		150
	CONTRACTOR TOTAL					285
	BOEING AEROSPACE OPERATIONS	Alabama	ARMY	RDTE/Other Defense-Basic Research		1,252
		Washington	USAF	RDTE/Other Defense-Basic Research		5,271
	CONTRACTOR TOTAL					6,522
	BOEING COMPANY THE	Washington	NAVY	RDTE/Other Defense-Basic Research		93
	BOEING ELECTRONICS INC	Washington	NAVY	RDTE/Other Defense-Basic Research		75
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/Other Defense-Basic Research		1,819
			NAVY	RDTE/Other Defense-Basic Research		2,332
			USAF	RDTE/Other Defense-Basic Research		900
		STATE TOTAL				5,052
	BOOZ ALLEN & HAMILTON INC	California	NAVY	RDTE/Other Defense-Basic Research		140
		Maryland	ARMY	RDTE/Other Defense-Basic Research		1,031
			NAVY	RDTE/Other Defense-Basic Research		100
		STATE TOTAL				1,131
		Virginia	NAVY	RDTE/Other Defense-Basic Research		50
	CONTRACTOR TOTAL					1,321
	C A E INDUSTRIES LTD	Texas	ARMY	RDTE/Other Defense-Basic Research		89
	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/Other Defense-Basic Research		100
	CALIFORNIA RESEARCH & TECH	California	NAVY	RDTE/Other Defense-Basic Research		99
	CALSPAN CORPORATION	New York	USAF	RDTE/Other Defense-Basic Research		297
	CAMBRIDGE ACOUSTICAL ASSOC	Mass	NAVY	RDTE/Other Defense-Basic Research		89
	CAMBRIDGE HYDRO DYNAMICS INC	New Jersey	NAVY	RDTE/Other Defense-Basic Research		389

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	CARNEGIE GROUP INC	Penn	ARMY	RDTE/Other Defense-Basic Research	$	750-
	CARNEGIE MELLON UNIVERSITY	Penn	ARMY	RDTE/Other Defense-Basic Research		643
			NAVY	RDTE/Other Defense-Basic Research		200
		STATE TOTAL				843
	CAROLINIAN SYSTEMS RES CORP	N Carolina	NAVY	RDTE/Other Defense-Basic Research		56
	CASE WESTERN RESERVE UNIV	Ohio	USAF	RDTE/Other Defense-Basic Research		400
	CASTLE TECHNOLOGY CORP	Mass	NAVY	RDTE/Other Defense-Basic Research		314
	CERAMICS PROCESS SYSTEMS CORP	Mass	NAVY	RDTE/Other Defense-Basic Research		205
	CHEMETEK	Oregon	ARMY	RDTE/Other Defense-Basic Research		160
	CHIRP CORP	California	NAVY	RDTE/Other Defense-Basic Research		72
	CIMFLEX TEKNOWLEDGE CORP	California	NAVY	RDTE/Other Defense-Basic Research		495
	CLARKSON UNIVERSITY	New York	NAVY	RDTE/Other Defense-Basic Research		93
	COGNITECH INC	California	NAVY	RDTE/Other Defense-Basic Research		90
	COHERENT INC	Mass	NAVY	RDTE/Other Defense-Basic Research		95
	COLSA INC	Alabama	ARMY	RDTE/Other Defense-Basic Research		349
	COMPUTATIONAL LOGIC INC	Texas	NAVY	RDTE/Other Defense-Basic Research		95
	COMPUTATIONAL PHYSICS INC	D.C.	NAVY	RDTE/Other Defense-Basic Research		1,001
		Virginia	NAVY	RDTE/Other Defense-Basic Research		130
	CONTRACTOR TOTAL					1,131
	COMPUTER COMMAND CTRL COMPANY	Penn	NAVY	RDTE/Other Defense-Basic Research		246
	COMPUTER SCIENCES CORPORATION	Florida	USAF	RDTE/Other Defense-Basic Research		48
	CONDUCTUS INC	California	NAVY	RDTE/Other Defense-Basic Research		200
	CONTINUUM ELECTRO-OPTICS INC	California	NAVY	RDTE/Other Defense-Basic Research		70
	COORDINATING RESEARCH COUNCIL	Georgia	ARMY	RDTE/Other Defense-Basic Research		90

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	CORDEC CORPORATION	Virginia	NAVY	RDTE/Other Defense-Basic Research	$ 100
	CORNELL UNIVERSITY	New York	USAF	RDTE/Other Defense-Basic Research	150
	CORNING INC	New York	NAVY	RDTE/Other Defense-Basic Research	482
	CORTEST LABORATORIES INC	Texas	NAVY	RDTE/Other Defense-Basic Research	90
	CORTICON	Penn	NAVY	RDTE/Other Defense-Basic Research	45
	CREE RESEARCH INC	N Carolina	NAVY	RDTE/Other Defense-Basic Research	700
	CRYOLIFE INC	Georgia	NAVY	RDTE/Other Defense-Basic Research	60
	CRYOPHARM CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research	328
	CRYSTAL ASSOCIATES INC	New Jersey	NAVY	RDTE/Other Defense-Basic Research	650
	CS EXHIBITS INC	Virginia	NAVY	RDTE/Other Defense-Basic Research	71
	DAMASKOS INC	Penn	ARMY	RDTE/Other Defense-Basic Research	141
	DATA FUSION CORP	Colorado	NAVY	RDTE/Other Defense-Basic Research	49
	DAVID SARNOFF RESEARCH CENTER	New Jersey	NAVY	RDTE/Other Defense-Basic Research	350
			USAF	RDTE/Other Defense-Basic Research	60
		STATE TOTAL			410
	DCS CORPORATION	Virginia	NAVY	RDTE/Other Defense-Basic Research	205
	DEFENSE DIAMOND DEVELOPMENT CO	Virginia	NAVY	RDTE/Other Defense-Basic Research	4,077
	DEFENSE GROUP INC	California	NAVY	RDTE/Other Defense-Basic Research	386
	DELFIN SYSTEMS	California	NAVY	RDTE/Other Defense-Basic Research	287
	DREXEL UNIVERSITY	Penn	USAF	RDTE/Other Defense-Basic Research	72
	DU PONT E I DE NEMOURS & CO	Delaware	NAVY	RDTE/Other Defense-Basic Research	195
	DUKE UNIVERSITY	N Carolina	NAVY	RDTE/Other Defense-Basic Research	2,617
	DYNAFLOW INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	215
	DYNAMIC SYSTEMS INC	Virginia	NAVY	RDTE/Other Defense-Basic Research	483

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/Other Defense-Basic Research	$	30
	E-SYSTEMS INC	Virginia	USAF	RDTE/Other Defense-Basic Research		5,628
	EAGLE SYSTEMS INC	Maryland	NAVY	RDTE/Other Defense-Basic Research		272
	ECON INC	California	USAF	RDTE/Other Defense-Basic Research		293
	EIDETICS INTERNATIONAL INC	California	USAF	RDTE/Other Defense-Basic Research		581
	ELECTRO RADIATION INC	New Jersey	USAF	RDTE/Other Defense-Basic Research		48
	ELECTRO-OPTEK CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research		50
			USAF	RDTE/Other Defense-Basic Research		525
		STATE TOTAL				575
	ELECTRONIC COMPONENT SALES	Maryland	NAVY	RDTE/Other Defense-Basic Research		616
	ELECTRONIC DECISIONS INC	Illinois	NAVY	RDTE/Other Defense-Basic Research		250
	ELMORE ASSOCIATES	California	ARMY	RDTE/Other Defense-Basic Research		50
	EMCORE CORPORATION	New Jersey	NAVY	RDTE/Other Defense-Basic Research		50
	ENGINEERING GEOMETRY SYSTEMS	Utah	NAVY	RDTE/Other Defense-Basic Research		50
	ENSIGN-BICKFORD INDUSTRIES	Conn	NAVY	RDTE/Other Defense-Basic Research		139
	ENVIRNMENTAL RES INST OF MICH	Michigan	NAVY	RDTE/Other Defense-Basic Research		827
	EPION CORPORATION	Mass	NAVY	RDTE/Other Defense-Basic Research		125
	ETREMA PRODUCTS INC	Iowa	NAVY	RDTE/Other Defense-Basic Research		249
	FAIRCHILD INDUSTRIES INC	Maryland	NAVY	RDTE/Other Defense-Basic Research		405
	FAIRCHILD SPACE & DEF CORP	Maryland	NAVY	RDTE/Other Defense-Basic Research		194
	FAIRFAX MATERIALS RESEARCH	Virginia	NAVY	RDTE/Other Defense-Basic Research		180
	FATIGUE TECHNOLOGY INC	Washington	NAVY	RDTE/Other Defense-Basic Research		50-
	FEDERAL ELECTRO OPTICS INC	Tennessee	NAVY	RDTE/Other Defense-Basic Research		55
	FEDERATION OF AMER SOC FOR EXP	Maryland	NAVY	RDTE/Other Defense-Basic Research		424

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD9: (CONTINUED)					
	FERRANTI INSTRUMENTATION LTD	UNITED KIN	NAVY	RDTE/Other Defense-Basic Research	$ 190
	FIBERTEK INC	Virginia	NAVY	RDTE/Other Defense-Basic Research	50
	FLORIDA INST OF TECHNOLOGY	Florida	USAF	RDTE/Other Defense-Basic Research	50
	FLOUROCHEM INC	California	NAVY	RDTE/Other Defense-Basic Research	40
	FLOW INDUSTRIES INC	Washington	NAVY	RDTE/Other Defense-Basic Research	99
	FMC CORPORATION	Minnesota	ARMY	RDTE/Other Defense-Basic Research	2,890
	FORMA CORPORATION	Ohio	NAVY	RDTE/Other Defense-Basic Research	50
	FOSTER MILLER INC	Mass	ARMY	RDTE/Other Defense-Basic Research	175
			NAVY	RDTE/Other Defense-Basic Research	647
			USAF	RDTE/Other Defense-Basic Research	58
	STATE TOTAL				880
	FRIED D L ASSOCIATES INC	California	NAVY	RDTE/Other Defense-Basic Research	165
	FRONTIER ENGINEERING INC	Ohio	USAF	RDTE/Other Defense-Basic Research	176
	GEC AVIONICS LTD	D.C.	NAVY	RDTE/Other Defense-Basic Research	100
	GEC MARCONI CO LTD	UNITED KIN	NAVY	RDTE/Other Defense-Basic Research	1,835
	GENERAL ATOMICS	California	NAVY	RDTE/Other Defense-Basic Research	2,063
	GENERAL DYNAMICS CORPORATION	Virginia	NAVY	RDTE/Other Defense-Basic Research	200
	GENERAL ELECTRIC COMPANY	New Jersey	NAVY	RDTE/Other Defense-Basic Research	447
		New York	NAVY	RDTE/Other Defense-Basic Research	3,916
	CONTRACTOR TOTAL				4,363
	GENERAL HOSPITAL CORPORATION	Mass	NAVY	RDTE/Other Defense-Basic Research	4,500
	GENERAL MOTORS CORPORATION	Michigan	NAVY	RDTE/Other Defense-Basic Research	44
	GEO CENTERS INC	D.C.	NAVY	RDTE/Other Defense-Basic Research	2,183
		Mass	NAVY	RDTE/Other Defense-Basic Research	4,543
	CONTRACTOR TOTAL				6,727

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	GEO-CENTERS INC	D.C.	NAVY	RDTE/Other Defense-Basic Research	$ 270
		Mass	NAVY	RDTE/Other Defense-Basic Research	112
	CONTRACTOR TOTAL				382
	GEORGE MASON UNIVERSITY	Virginia	ARMY	RDTE/Other Defense-Basic Research	185
	GEORGE WASHINGTON UNIV THE	D.C.	NAVY	RDTE/Other Defense-Basic Research	198
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/Other Defense-Basic Research	3,675
	GEORGIA TECH RESEARCH CORP	Georgia	USAF	RDTE/Other Defense-Basic Research	190
	GLOBAL ASSOCIATES LTD	Virginia	NAVY	RDTE/Other Defense-Basic Research	540
	GRC INTERNATIONAL INC	California	NAVY	RDTE/Other Defense-Basic Research	75
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/Other Defense-Basic Research	552
	GRUMMAN DATA SYSTEMS CORP	California	NAVY	RDTE/Other Defense-Basic Research	200
	GTE CORPORATION	Mass	NAVY	RDTE/Other Defense-Basic Research	155
	GULTON INDUSTRIES INC	New Mexico	NAVY	RDTE/Other Defense-Basic Research	455
	HARRIS CORPORATION	Florida	NAVY	RDTE/Other Defense-Basic Research	2,255
	HARVARD UNIVERSITY	Mass	NAVY	RDTE/Other Defense-Basic Research	124
	HEALTH RESEARCH INC	New York	NAVY	RDTE/Other Defense-Basic Research	140
	HEWLETT-PACKARD COMPANY	Maryland	NAVY	RDTE/Other Defense-Basic Research	525
	HITTITE MICROWAVE CORPORATION	Mass	USAF	RDTE/Other Defense-Basic Research	242
	HONEYWELL INC	Minnesota	NAVY	RDTE/Other Defense-Basic Research	1,320
			USAF	RDTE/Other Defense-Basic Research	57
	STATE TOTAL				1,377
	HORRIGAN ANALYTICS	Illinois	NAVY	RDTE/Other Defense-Basic Research	631
	HOUSTON ADVANCED RESEARCH CTR	Texas	NAVY	RDTE/Other Defense-Basic Research	143
	HRB SYSTEMS INC	Penn	NAVY	RDTE/Other Defense-Basic Research	40
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Other Defense-Basic Research	6,200

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Operations and Reports

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AD91 (CONTINUED)					
			NAVY	RDTE/Other Defense-Basic Research	$ 812
			USAF	RDTE/Other Defense-Basic Research	412
		STATE TOTAL			7,424
	HUGHES ASSOCIATES INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	2,016
	HURD HARRY L ASSOCIATES INC	N Carolina	NAVY	RDTE/Other Defense-Basic Research	206
	HYDRO PRODUCTS INC	Virginia	ARMY	RDTE/Other Defense-Basic Research	127
	HYPRES INC	New York	NAVY	RDTE/Other Defense-Basic Research	729
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Other Defense-Basic Research	87
	ICECASTING INC	Washington	NAVY	RDTE/Other Defense-Basic Research	60
	ICET INC	Mass	NAVY	RDTE/Other Defense-Basic Research	53
	IDR	D.C.	NAVY	RDTE/Other Defense-Basic Research	35
	INFORMATION PLANNING ASSOC	Virginia	NAVY	RDTE/Other Defense-Basic Research	40
	INFORMATION SYSTEMS TECHNOLOGY	Illinois	ARMY	RDTE/Other Defense-Basic Research	100
	INNOVATIVE CONCEPTS INC	Virginia	NAVY	RDTE/Other Defense-Basic Research	1,327
	INTEGRATED SYSTEM ASSEMBLIES	Mass	NAVY	RDTE/Other Defense-Basic Research	196
	INTELLIGENT AUTOMATION INC	Maryland	USAF	RDTE/Other Defense-Basic Research	49
	INTERDISCIPLINARY SCIENCE APPL	Maryland	NAVY	RDTE/Other Defense-Basic Research	59
	INTERFEROMETRICS INC	D.C.	NAVY	RDTE/Other Defense-Basic Research	750
		Virginia	NAVY	RDTE/Other Defense-Basic Research	286
	CONTRACTOR TOTAL				1,036
	INTERNATIONAL BUS MCHS CORP	California	NAVY	RDTE/Other Defense-Basic Research	432
		New York	NAVY	RDTE/Other Defense-Basic Research	1,156
		Virginia	NAVY	RDTE/Other Defense-Basic Research	54
	CONTRACTOR TOTAL				1,642
	INTERNATIONAL FUEL CELLS CORP	Conn	NAVY	RDTE/Other Defense-Basic Research	796

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	INTERSPEC INC	Penn	NAVY	RDTE/Other Defense-Basic Research	$	45
	IONWERKS	Texas	NAVY	RDTE/Other Defense-Basic Research		49
	IOWA STATE UNIV SCNC	Iowa	NAVY	RDTE/Other Defense-Basic Research		30
	JADE SIMULATION	Virginia	NAVY	RDTE/Other Defense-Basic Research		315
	JAYCOR	Virginia	NAVY	RDTE/Other Defense-Basic Research		767
	JBS TECHNOLOGIES INC	California	NAVY	RDTE/Other Defense-Basic Research		427
	JET PROCESS CORPORATION	Conn	NAVY	RDTE/Other Defense-Basic Research		100
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/Other Defense-Basic Research		1,102
	JORTNER RESEARCH & ENGRG	California	NAVY	RDTE/Other Defense-Basic Research		90
	KENT STATE UNIVERSITY	Ohio	ARMY	RDTE/Other Defense-Basic Research		150
	KENTUCKY MEDICAL RES DEVELOP	Kentucky	NAVY	RDTE/Other Defense-Basic Research		349
	KESTREL INSTITUTE	California	NAVY	RDTE/Other Defense-Basic Research		50
	KINZUID INC	New York	NAVY	RDTE/Other Defense-Basic Research		279
	KM SCIENCES	California	NAVY	RDTE/Other Defense-Basic Research		123
	KOPIN CORPORATION	Mass	NAVY	RDTE/Other Defense-Basic Research		150
	KOR ELECTRONICS	California	NAVY	RDTE/Other Defense-Basic Research		100
	LASERTRON INC	Mass	NAVY	RDTE/Other Defense-Basic Research		100
	LAWRENCE ASSOCIATES INC	Ohio	USAF	RDTE/Other Defense-Basic Research		40
	LAWRENCE LIVERMORE LABORATORY	California	NAVY	RDTE/Other Defense-Basic Research		70
	LINARES MANAGEMENT ASSOC INC	Mass	NAVY	RDTE/Other Defense-Basic Research		265
	LITTON SYSTEMS INC	California	NAVY	RDTE/Other Defense-Basic Research		1,106
		New Jersey	NAVY	RDTE/Other Defense-Basic Research		167
	CONTRACTOR TOTAL					1,273
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/Other Defense-Basic Research		1,385

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	LOCKHEED SANDERS INC	N.H.	NAVY	RDTE/Other Defense-Basic Research	$	3,365
	LOCUS INC	D.C.	NAVY	RDTE/Other Defense-Basic Research		1,018
		Penn	NAVY	RDTE/Other Defense-Basic Research		1,702
	CONTRACTOR TOTAL					2,720
	LORAL CORP	California	NAVY	RDTE/Other Defense-Basic Research		260
			USAF	RDTE/Other Defense-Basic Research		125
		STATE TOTAL				385
		Mass	ARMY	RDTE/Other Defense-Basic Research		6,448
			NAVY	RDTE/Other Defense-Basic Research		340
		STATE TOTAL				6,788
	CONTRACTOR TOTAL					7,173
	LOWELL OBSERVATORY	Arizona	NAVY	RDTE/Other Defense-Basic Research		550
	M M R TECHNOLOGIES INC	California	NAVY	RDTE/Other Defense-Basic Research		50
	M/A-COM INC	Mass	NAVY	RDTE/Other Defense-Basic Research		754
	MAC AULAY BROWN INC	Ohio	USAF	RDTE/Other Defense-Basic Research		3,462
	MAGNAVOX GOVT & INDSTRL ELCTR	Virginia	NAVY	RDTE/Other Defense-Basic Research		50
	MAINSTREAM ENGINEERING CO INC	Florida	ARMY	RDTE/Other Defense-Basic Research		50
	MARINE RESEARCH CORP	Vermont	NAVY	RDTE/Other Defense-Basic Research		55
	MARTIN MARIETTA CORPORATION	Colorado	NAVY	RDTE/Other Defense-Basic Research		45
			USAF	RDTE/Other Defense-Basic Research		410
		STATE TOTAL				455
		Maryland	NAVY	RDTE/Other Defense-Basic Research		1,630
	CONTRACTOR TOTAL					2,086
	MARYLAND MEDICAL LABORATORY	Maryland	NAVY	RDTE/Other Defense-Basic Research		44-
	MASSACHUSETTS INST OF TCHNOLOG	Mass	ARMY	RDTE/Other Defense-Basic Research		293

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
			NAVY	RDTE/Other Defense-Basic Research	$ 150
		STATE TOTAL			443
	MATERIALS SYSTEMS INC	Mass	NAVY	RDTE/Other Defense-Basic Research	398
	MAXIM TECHNOLOGIES INC	California	NAVY	RDTE/Other Defense-Basic Research	71
	MCDONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research	249
		Missouri	USAF	RDTE/Other Defense-Basic Research	50
		CONTRACTOR TOTAL			299
	MCDONNELL DOUGLAS SPACE SYS CO	California	NAVY	RDTE/Other Defense-Basic Research	97
	MCPHEE RESEARCH CO	Washington	NAVY	RDTE/Other Defense-Basic Research	153
	MEMRY CORPORATION	Conn	NAVY	RDTE/Other Defense-Basic Research	120
	MESA INC	D.C.	NAVY	RDTE/Other Defense-Basic Research	230
	METRATEK INC	Virginia	NAVY	RDTE/Other Defense-Basic Research	49
	MICHIGAN TCHNLGCAL UNIVERSITY	Michigan	ARMY	RDTE/Other Defense-Basic Research	62
	MICROLECTRONICS CMPT TECH CORP	Texas	NAVY	RDTE/Other Defense-Basic Research	600
	MICRON TECHNOLOGIES INC	Idaho	ARMY	RDTE/Other Defense-Basic Research	9,000
	MICROWAVE DEVICES AND SYSTEMS	California	NAVY	RDTE/Other Defense-Basic Research	50
	MIDWEST RESEARCH INSTITUTE	Missouri	USAF	RDTE/Other Defense-Basic Research	100
		Tennessee	USAF	RDTE/Other Defense-Basic Research	50
		CONTRACTOR TOTAL			150
	MISSION RESEARCH CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research	166
			USAF	RDTE/Other Defense-Basic Research	418
		STATE TOTAL			583
	MITRE CORPORATION	Virginia	ARMY	RDTE/Other Defense-Basic Research	3,144
	MNEMONICS INC	Florida	NAVY	RDTE/Other Defense-Basic Research	100
	MOLECULAR DEVICES CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research	343

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	MONTANA STATE UNIVERSITY	Montana	NAVY	RDTE/Other Defense-Basic Research	$ 74
	MONTEREY INSTITUTE	California	NAVY	RDTE/Other Defense-Basic Research	35
	MRJ INC	Virginia	NAVY	RDTE/Other Defense-Basic Research	339
	MULTILAYER OPTICS & X-RAY TECH	Utah	NAVY	RDTE/Other Defense-Basic Research	50
	NATIONAL ACADEMY SCIENCES USA	D.C.	NAVY	RDTE/Other Defense-Basic Research	142
	NATIONAL CAPITOL SYSTEMS INC	Virginia	NAVY	RDTE/Other Defense-Basic Research	55
	NATIONAL INSTITUTE OF NEUROLOG	Maryland	NAVY	RDTE/Other Defense-Basic Research	137
	NATIONAL SCIENCE FOUNDATION	D.C.	NAVY	RDTE/Other Defense-Basic Research	1,764
	NESTOR INC	Rhode Isld	NAVY	RDTE/Other Defense-Basic Research	150
	NETROLOGIC INC	California	NAVY	RDTE/Other Defense-Basic Research	205
	NEUROGEN LABS INC	Mass	NAVY	RDTE/Other Defense-Basic Research	378
	NEW JERSEY INSTITUTE OF TECH	New Jersey	NAVY	RDTE/Other Defense-Basic Research	75
	NEW YORK BLOOD CENTER INC	New York	NAVY	RDTE/Other Defense-Basic Research	120
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/Other Defense-Basic Research	559
	NIELSEN ENGINEERING & RES	California	NAVY	RDTE/Other Defense-Basic Research	230
	NONVOLATILE ELECTRONICS INC	Minnesota	NAVY	RDTE/Other Defense-Basic Research	50
	NORDEN SYSTEMS INC	Conn	NAVY	RDTE/Other Defense-Basic Research	91
	NORTH AMERICAN PHILIPS CORP	Georgia	NAVY	RDTE/Other Defense-Basic Research	274
	NORTHEAST SEMICONDUCTOR INC	New York	NAVY	RDTE/Other Defense-Basic Research	167
	NORTHROP CORPORATION	California	USAF	RDTE/Other Defense-Basic Research	539
		Illinois	NAVY	RDTE/Other Defense-Basic Research	531
			USAF	RDTE/Other Defense-Basic Research	95
		STATE TOTAL			626
	CONTRACTOR TOTAL				1,164

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AD91 (CONTINUED)					
	NORTHWEST RESEARCH ASSOC JV	Washington	NAVY	RDTE/Other Defense-Basic Research	$ 243
	NORTON COMPANY	Mass	NAVY	RDTE/Other Defense-Basic Research	249
	OGDEN CORPORATION	Mass	NAVY	RDTE/Other Defense-Basic Research	200
	OHIO STATE UNIVERSITY	Ohio	ARMY	RDTE/Other Defense-Basic Research	198
			USAF	RDTE/Other Defense-Basic Research	137
		STATE TOTAL			334
	OKLAHOMA STATE UNIVERSITY	Oklahoma	ARMY	RDTE/Other Defense-Basic Research	283
	OLD DMNION UNIV RES FUNDATION	Virginia	NAVY	RDTE/Other Defense-Basic Research	170
			USAF	RDTE/Other Defense-Basic Research	80
		STATE TOTAL			250
	OMEGA P INC	D.C.	NAVY	RDTE/Other Defense-Basic Research	575
	OMNET INC	Mass	NAVY	RDTE/Other Defense-Basic Research	50
	OPTICOMP CORPORATION	Nevada	NAVY	RDTE/Other Defense-Basic Research	413
	ORBITAL SCIENCES CORPORATION	Virginia	USAF	RDTE/Other Defense-Basic Research	4,154
	P R B ASSOCIATES INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	50
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/Other Defense-Basic Research	753
	PARAMAX SYSTEMS CORP	Virginia	NAVY	RDTE/Other Defense-Basic Research	125
	PARASOFT CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research	312
	PARKER HANNIFIN CORPORATION	California	USAF	RDTE/Other Defense-Basic Research	324
	PENNSYLVANIA STATE UNIVERSITY	Penn	NAVY	RDTE/Other Defense-Basic Research	114
			USAF	RDTE/Other Defense-Basic Research	33
		STATE TOTAL			147
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/Other Defense-Basic Research	150
	PHOTONIC SYSTEMS INC	Florida	NAVY	RDTE/Other Defense-Basic Research	740
	PHOTRONICS CORP	New York	NAVY	RDTE/Other Defense-Basic Research	143
	PHYSICAL OPTICS CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research	190

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	PHYSICAL SCIENCES INC	Mass	NAVY	RDTE/Other Defense-Basic Research	$	300
			USAF	RDTE/Other Defense-Basic Research		124
		STATE TOTAL				424
	PHYSICS INTERNATIONAL COMPANY	Mass	NAVY	RDTE/Other Defense-Basic Research		241
	PLANNING SYSTEMS INCORPORATED	Miss	NAVY	RDTE/Other Defense-Basic Research		42
		Virginia	NAVY	RDTE/Other Defense-Basic Research		2,555
	CONTRACTOR TOTAL					2,597
	POTOMAC RESEARCH INCORPORATED	Virginia	NAVY	RDTE/Other Defense-Basic Research		100
	PRAXIS INC	Virginia	NAVY	RDTE/Other Defense-Basic Research		251
	PRC INC	Virginia	ARMY	RDTE/Other Defense-Basic Research		1,219
	PRECISION COMBUSTION INC	Conn	USAF	RDTE/Other Defense-Basic Research		105
	PRINCETON SCIENTIFIC INSTRS	New Jersey	NAVY	RDTE/Other Defense-Basic Research		125
	PROMEGA CORPORATION	Wisconsin	NAVY	RDTE/Other Defense-Basic Research		100
	PROTEAN INSTRUMENTS	Tennessee	ARMY	RDTE/Other Defense-Basic Research		32
	QUADRA ENGINEERING INC	Mass	NAVY	RDTE/Other Defense-Basic Research		181
	QUANTUM RESEARCH INTERNATIONAL	Alabama	ARMY	RDTE/Other Defense-Basic Research		70
	QUESTECH INC	Virginia	NAVY	RDTE/Other Defense-Basic Research		937
	QUICK REACTION CORPORATION	California	ARMY	RDTE/Other Defense-Basic Research		600
	R & D ASSOCIATES	California	NAVY	RDTE/Other Defense-Basic Research		298
	RADIX SYSTEMS INC	Maryland	NAVY	RDTE/Other Defense-Basic Research		1,776
	RAND CORPORATION	California	ARMY	RDTE/Other Defense-Basic Research		7,845
	RANDLE INC	Virginia	NAVY	RDTE/Other Defense-Basic Research		49
	RAVEN INC	Virginia	NAVY	RDTE/Other Defense-Basic Research		300
	RAYTHEON COMPANY	California	NAVY	RDTE/Other Defense-Basic Research		100

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
		D.C.	NAVY	RDTE/Other Defense-Basic Research	$	287
		Mass	ARMY	RDTE/Other Defense-Basic Research		300
			NAVY	RDTE/Other Defense-Basic Research		615
		STATE TOTAL				915
	CONTRACTOR TOTAL					1,302
	REKENTHALER TECHNOLOGY ASSOC	Virginia	NAVY	RDTE/Other Defense-Basic Research		49
	RENSSELAER POLYTECHNIC INST	New York	NAVY	RDTE/Other Defense-Basic Research		84
	RESEARCH FOUNDTN OF UNIV OF NY	New York	NAVY	RDTE/Other Defense-Basic Research		134
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/Other Defense-Basic Research		40
	RESEARCH TRIANGLE INSTITUTE	N Carolina	NAVY	RDTE/Other Defense-Basic Research		2,120
	REVEO INC	New York	NAVY	RDTE/Other Defense-Basic Research		300
	ROBOTIC VISION SYSTEMS INC	New York	ARMY	RDTE/Other Defense-Basic Research		60
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Other Defense-Basic Research		2,147
			USAF	RDTE/Other Defense-Basic Research		27
		STATE TOTAL				2,174
	ROTATING PRECISION MECHANISMS	California	ARMY	RDTE/Other Defense-Basic Research		112
	ROWE DEINES INSTRUMENTS INC	California	NAVY	RDTE/Other Defense-Basic Research		349
	S F A INC	D.C.	NAVY	RDTE/Other Defense-Basic Research		6,900
		Maryland	NAVY	RDTE/Other Defense-Basic Research		544
	CONTRACTOR TOTAL					7,444
	S S G INC	Mass	NAVY	RDTE/Other Defense-Basic Research		35
	SAG CORPORATION	Virginia	NAVY	RDTE/Other Defense-Basic Research		95
	SATCON TECHNOLOGY CORPORATION	Mass	NAVY	RDTE/Other Defense-Basic Research		159
	SBS ENGINEERING INC	Texas	USAF	RDTE/Other Defense-Basic Research		245
	SCHAFER W J ASSOCIATES INC	Mass	NAVY	RDTE/Other Defense-Basic Research		1,050

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	SCHMIDT INSTRUMENTS	Texas	NAVY	RDTE/Other Defense-Basic Research	$	101
	SCHWARTZ ELECTRO-OPTICS INC	Mass	NAVY	RDTE/Other Defense-Basic Research		60
	SCI TEC INC	New Jersey	NAVY	RDTE/Other Defense-Basic Research		103
	SCIENCE & TECHNOLOGY ASSOC	Virginia	ARMY	RDTE/Other Defense-Basic Research		100
	SCIENCE & TECHNOLOGY CORP	Virginia	NAVY	RDTE/Other Defense-Basic Research		1,509
	SCIENCE AND TECH RESEARCH INC	Maryland	NAVY	RDTE/Other Defense-Basic Research		125
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/Other Defense-Basic Research		373
			NAVY	RDTE/Other Defense-Basic Research		2,725
			USAF	RDTE/Other Defense-Basic Research		201
		STATE TOTAL				3,299
		D.C.	NAVY	RDTE/Other Defense-Basic Research		83
		Maryland	NAVY	RDTE/Other Defense-Basic Research		158
		Virginia	ARMY	RDTE/Other Defense-Basic Research		166
			NAVY	RDTE/Other Defense-Basic Research		2,959
		STATE TOTAL				3,125
		Washington	NAVY	RDTE/Other Defense-Basic Research		386
	CONTRACTOR TOTAL					7,052
	SCIENCE RESEARCH LABORATORY	Mass	NAVY	RDTE/Other Defense-Basic Research		540
	SCIENTIFIC RESEARCH ASSOC INC	Conn	NAVY	RDTE/Other Defense-Basic Research		118
	SEA TECH INC	Oregon	NAVY	RDTE/Other Defense-Basic Research		250
	SENSCI CORP	Virginia	ARMY	RDTE/Other Defense-Basic Research		149
	SENSORS UNLIMITED INC	New Jersey	NAVY	RDTE/Other Defense-Basic Research		50
	SOFTWARE OPTIONS INC	Mass	NAVY	RDTE/Other Defense-Basic Research		729
	SOMATOGEN	Colorado	NAVY	RDTE/Other Defense-Basic Research		115
	SONA' STS INC	Conn	NAVY	RDTE/Other Defense-Basic Research		270

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	SONOGUEST ADVANCED	Mass	NAVY	RDTE/Other Defense-Basic Research	$	119
	SOUTH CAROLINA RESCH AUTHORITY	S Carolina	NAVY	RDTE/Other Defense-Basic Research		68,630
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/Other Defense-Basic Research		404
		Ohio	USAF	RDTE/Other Defense-Basic Research		403
	CONTRACTOR TOTAL					808
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/Other Defense-Basic Research		422
	SOUTHWESTERN OH CNCL	Ohio	USAF	RDTE/Other Defense-Basic Research		35
	SPACE APPLICATIONS CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research		99
		Maryland	NAVY	RDTE/Other Defense-Basic Research		180
		Mass	NAVY	RDTE/Other Defense-Basic Research		245
	CONTRACTOR TOTAL					524
	SPACE COMPUTER CORP	California	NAVY	RDTE/Other Defense-Basic Research		75
	SPARTA INC	California	NAVY	RDTE/Other Defense-Basic Research		49
	SPECTRA DIODE LABORATORIES	California	NAVY	RDTE/Other Defense-Basic Research		85
	SPIRE CORPORATION	Mass	ARMY	RDTE/Other Defense-Basic Research		488
			NAVY	RDTE/Other Defense-Basic Research		95
		STATE TOTAL				583
	SRI INTERNATIONAL	California	ARMY	RDTE/Other Defense-Basic Research		9,817
			NAVY	RDTE/Other Defense-Basic Research		5,031
		STATE TOTAL				14,847
		Virginia	ARMY	RDTE/Other Defense-Basic Research		2,498
	CONTRACTOR TOTAL					17,346
	ST LOUIS UNIVERSITY	Missouri	USAF	RDTE/Other Defense-Basic Research		190
	STANDARD TECHNOLOGY INC	Virginia	NAVY	RDTE/Other Defense-Basic Research		112
	STANFORD UNIVERSITY	California	NAVY	RDTE/Other Defense-Basic Research		6,213

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AD91 (CONTINUED)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
			USAF	RDTE/Other Defense-Basic Research	$ 90
	STATE TOTAL				6,303
	STATISTICAL SCIENCES INC	Washington	NAVY	RDTE/Other Defense-Basic Research	102
	STEVENS INSTITUTE OF TECH	New Jersey	NAVY	RDTE/Other Defense-Basic Research	100
	STOTTLER HENKE ASSOCIATES	California	NAVY	RDTE/Other Defense-Basic Research	50
	STRATEGIC ANALYSIS INC	Virginia	NAVY	RDTE/Other Defense-Basic Research	914
	SUMMATION LTD.	Ohio	USAF	RDTE/Other Defense-Basic Research	41
	SUMMATION RESEARCH INC	Florida	NAVY	RDTE/Other Defense-Basic Research	924
	SUPERCONDUCTOR TECHNOLOGIES	California	NAVY	RDTE/Other Defense-Basic Research	600
	SURFACE OPTICS CORP	California	USAF	RDTE/Other Defense-Basic Research	51
	SWALES & ASSOCIATES INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	335
	SWALES AND ASSOCIATES INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	1,350
	SYMBIOTICS INC	Mass	NAVY	RDTE/Other Defense-Basic Research	49
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/Other Defense-Basic Research	640
	SYSTEMS & ELECTRONICS INC	Illinois	NAVY	RDTE/Other Defense-Basic Research	8,260
	SYSTEMS & PROCESSES ENGRG CORP	Texas	ARMY	RDTE/Other Defense-Basic Research	50
	SYSTEMS & TECHNOLOGY RESEARCH	Virginia	USAF	RDTE/Other Defense-Basic Research	300
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/Other Defense-Basic Research	10,709
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/Other Defense-Basic Research	3,076
	SYSTEMS SUPPORT INC	Virginia	ARMY	RDTE/Other Defense-Basic Research	50
	SYSTRAN CORP	Ohio	USAF	RDTE/Other Defense-Basic Research	1,076
	T S C INC	California	NAVY	RDTE/Other Defense-Basic Research	75
	T S I MASON RESEARCH	Mass	NAVY	RDTE/Other Defense-Basic Research	74
	TASC	Mass	USAF	RDTE/Other Defense-Basic Research	401

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	TECHNICAL RESEARCH ASSOCIATES	Utah	NAVY	RDTE/Other Defense-Basic Research	$ 38
	TECHNLOGY ASSSSMENT TRANSF INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	359
	TECHNOLOGY DEVELOPMENT CORP	Alabama	ARMY	RDTE/Other Defense-Basic Research	150
	TECHNOLOGY INTERNATIONAL INC	Louisiana	USAF	RDTE/Other Defense-Basic Research	50
	TECHNOLOGY U S A INCORPORATED	Maryland	NAVY	RDTE/Other Defense-Basic Research	33
	TEKTRONIX INC	Oregon	NAVY	RDTE/Other Defense-Basic Research	119
	TELEDYNE INDUSTRIES INC	California	NAVY	RDTE/Other Defense-Basic Research	1,122
	TETRA TECH DATA SYSTEMS INC	California	NAVY	RDTE/Other Defense-Basic Research	102
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/Other Defense-Basic Research	635
	THE WESTIN HOTEL	Washington	NAVY	RDTE/Other Defense-Basic Research	58
	THERMOTREX CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research	221
			USAF	RDTE/Other Defense-Basic Research	658
		STATE TOTAL			879
	THINKING MACHINES CORPORATION	Mass	ARMY	RDTE/Other Defense-Basic Research	141
	THIOKOL CORPORATION	Maryland	NAVY	RDTE/Other Defense-Basic Research	100
		Utah	NAVY	RDTE/Other Defense-Basic Research	144
	CONTRACTOR TOTAL				245
	TINI ALLOY CO	California	NAVY	RDTE/Other Defense-Basic Research	88
	TINI ALLOY COMPANY	California	NAVY	RDTE/Other Defense-Basic Research	36
	TOMCO SYSTEMS INC	Maryland	NAVY	RDTE/Other Defense-Basic Research	403
	TOOMAY MATHIS & ASSOCIATES	Montana	NAVY	RDTE/Other Defense-Basic Research	88
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/Other Defense-Basic Research	100
	TRACOR INC	Texas	NAVY	RDTE/Other Defense-Basic Research	267
	TRANS SCIENCE CORP	California	NAVY	RDTE/Other Defense-Basic Research	567

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	TRIVETT DAVID H INC	Florida	NAVY	RDTE/Other Defense-Basic Research	$ 46
	TRUAX ENGINEERING	California	NAVY	RDTE/Other Defense-Basic Research	375
	TRUSTEES COLUMBIA UNIV	New York	NAVY	RDTE/Other Defense-Basic Research	149
			USAF	RDTE/Other Defense-Basic Research	70
		STATE TOTAL			219
	TRW INC	California	ARMY	RDTE/Other Defense-Basic Research	620
			NAVY	RDTE/Other Defense-Basic Research	3,972
		STATE TOTAL			4,592
		Ohio	USAF	RDTE/Other Defense-Basic Research	2,470
	CONTRACTOR TOTAL				7,062
	U S FOOD & DRUG ADMINISTRATION	Maryland	NAVY	RDTE/Other Defense-Basic Research	30
	UES INC	Ohio	NAVY	RDTE/Other Defense-Basic Research	238
			USAF	RDTE/Other Defense-Basic Research	1,027
		STATE TOTAL			1,265
	UNION CARBIDE CHEM & PLAS CO	Ohio	NAVY	RDTE/Other Defense-Basic Research	108
		Washington	NAVY	RDTE/Other Defense-Basic Research	52
	CONTRACTOR TOTAL				160
	UNION CORPORATION	Penn	ARMY	RDTE/Other Defense-Basic Research	762
	UNISYS CORPORATION	Virginia	USAF	RDTE/Other Defense-Basic Research	15,154
	UNITED STATES DEPT INTERIOR	California	NAVY	RDTE/Other Defense-Basic Research	56
		Virginia	NAVY	RDTE/Other Defense-Basic Research	107
	CONTRACTOR TOTAL				163
	UNITED STATES DEPT OF COMMERCE	Colorado	NAVY	RDTE/Other Defense-Basic Research	495
		D.C.	NAVY	RDTE/Other Defense-Basic Research	684
		Maryland	NAVY	RDTE/Other Defense-Basic Research	7,593

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
		Virginia	NAVY	RDTE/Other Defense-Basic Research	$	736
		Washington	NAVY	RDTE/Other Defense-Basic Research		214
	CONTRACTOR TOTAL					9,723
	UNITED STATES DEPT OF ENERGY	California	NAVY	RDTE/Other Defense-Basic Research		1,764
		D.C.	NAVY	RDTE/Other Defense-Basic Research		143
		Illinois	NAVY	RDTE/Other Defense-Basic Research		342
		New Jersey	NAVY	RDTE/Other Defense-Basic Research		99
		New Mexico	NAVY	RDTE/Other Defense-Basic Research		880
		New York	NAVY	RDTE/Other Defense-Basic Research		478
		Tennessee	NAVY	RDTE/Other Defense-Basic Research		323
		Washington	NAVY	RDTE/Other Defense-Basic Research		150
	CONTRACTOR TOTAL					4,179
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/Other Defense-Basic Research		548
		Florida	NAVY	RDTE/Other Defense-Basic Research		100
	CONTRACTOR TOTAL					648
	UNIV OF MARYLAND COLLEGE PARK	Maryland	NAVY	RDTE/Other Defense-Basic Research		400
	UNIVERSITIES SPACE RES ASSN	D.C.	NAVY	RDTE/Other Defense-Basic Research		337
	UNIVERSITY OF ARIZONA	Arizona	NAVY	RDTE/Other Defense-Basic Research		84
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/Other Defense-Basic Research		3,464
			USAF	RDTE/Other Defense-Basic Research		679
		STATE TOTAL				4,143
	UNIVERSITY OF CENTRAL FLORIDA	Florida	ARMY	RDTE/Other Defense-Basic Research		200
			NAVY	RDTE/Other Defense-Basic Research		350
		STATE TOTAL				550
	UNIVERSITY OF CHICAGO THE	Illinois	NAVY	RDTE/Other Defense-Basic Research		50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	UNIVERSITY OF CINCINNATI	Virginia	NAVY	RDTE/Other Defense-Basic Research	$	125
	UNIVERSITY OF COLORADO	Colorado	NAVY	RDTE/Other Defense-Basic Research		119
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Other Defense-Basic Research		3,268
	UNIVERSITY OF DENVER	Colorado	USAF	RDTE/Other Defense-Basic Research		475
	UNIVERSITY OF HAWAII	Hawaii	NAVY	RDTE/Other Defense-Basic Research		908
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/Other Defense-Basic Research		100
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/Other Defense-Basic Research		84
			NAVY	RDTE/Other Defense-Basic Research		200
		STATE TOTAL				284
	UNIVERSITY OF MICHIGAN	Michigan	NAVY	RDTE/Other Defense-Basic Research		532
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/Other Defense-Basic Research		1,897
	UNIVERSITY OF RHODE ISLAND	Rhode Isld	NAVY	RDTE/Other Defense-Basic Research		30
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/Other Defense-Basic Research		13,539
	UNIVERSITY OF TENNESSEE	Tennessee	USAF	RDTE/Other Defense-Basic Research		74
	UNIVERSITY OF TEXAS SYSTEM	Texas	NAVY	RDTE/Other Defense-Basic Research		70
	UNIVERSITY OF UTAH	Utah	NAVY	RDTE/Other Defense-Basic Research		1,340
			USAF	RDTE/Other Defense-Basic Research		1,087
		STATE TOTAL				2,427
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/Other Defense-Basic Research		886
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	NAVY	RDTE/Other Defense-Basic Research		75
	UNIVERSITY RES FOUNDATION	Maryland	NAVY	RDTE/Other Defense-Basic Research		93
	UNIVERSITY RESEARCH FOUNDATION	Maryland	NAVY	RDTE/Other Defense-Basic Research		2,291
	UNIVERSITY WISCONSIN MILWAUKEE	Wisconsin	USAF	RDTE/Other Defense-Basic Research		59
	VANDERBILT UNIVERSITY THE	Tennessee	NAVY	RDTE/Other Defense-Basic Research		3,887
	VARIAN ASSOCIATES INC	California	ARMY	RDTE/Other Defense-Basic Research		113

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
			NAVY	RDTE/Other Defense-Basic Research	$ 1,455
		STATE TOTAL			1,567
		Mass	NAVY	RDTE/Other Defense-Basic Research	481
	CONTRACTOR TOTAL				2,048
	VECTOR RESEARCH INC	Michigan	USAF	RDTE/Other Defense-Basic Research	250
	VESTAR INC	California	NAVY	RDTE/Other Defense-Basic Research	50
	VISION APPLICATIONS INC	New York	NAVY	RDTE/Other Defense-Basic Research	300
	WENT BURTON TECHNOLOGY INC	Ohio	USAF	RDTE/Other Defense-Basic Research	59
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/Other Defense-Basic Research	940
			NAVY	RDTE/Other Defense-Basic Research	311
		STATE TOTAL			1,251
		Penn	NAVY	RDTE/Other Defense-Basic Research	1,952
	CONTRACTOR TOTAL				3,204
	WESTLAND INC	UNITED KIN	NAVY	RDTE/Other Defense-Basic Research	950
	WHITTAKER CORPORATION	California	NAVY	RDTE/Other Defense-Basic Research	35
	WON I J GEOPHEX LTD	N Carolina	NAVY	RDTE/Other Defense-Basic Research	200
	WOODS HOLE OCEANOGRAPHIC INST	Mass	NAVY	RDTE/Other Defense-Basic Research	1,421
	WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/Other Defense-Basic Research	619
	XEROX CORP	California	NAVY	RDTE/Other Defense-Basic Research	160
		New York	NAVY	RDTE/Other Defense-Basic Research	51
	CONTRACTOR TOTAL				211
	XONTECH INC	California	NAVY	RDTE/Other Defense-Basic Research	30
	ZEGER ABRAMS INCORPORATED	Penn	USAF	RDTE/Other Defense-Basic Research	99
R&D TOTAL					527,286
AD92	3M	Minnesota	ARMY	RDTE/Other Defense-Exploratory Development	23,561

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	A & D ASSOCIATES	New York	ARMY	RDTE/Other Defense-Exploratory Development	$	44
	A A I CORPORATION	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		73
	A P A OPTICS INC	Minnesota	ARMY	RDTE/Other Defense-Exploratory Development		250
			USAF	RDTE/Other Defense-Exploratory Development		228
		STATE TOTAL				477
	ACCUWAVE CORP	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	ACT RESEARCH CORPORATION	Mass	ARMY	RDTE/Other Defense-Exploratory Development		52
	ACTA INCORPORATED	California	ARMY	RDTE/Other Defense-Exploratory Development		113
	ACTIVE TECHNOLOGIES INC	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		246
	ACTRAN SYSTEMS INC	Florida	NAVY	RDTE/Other Defense-Exploratory Development		199
	ADAPTIVE SENSORS INC	California	ARMY	RDTE/Other Defense-Exploratory Development		98
			USAF	RDTE/Other Defense-Exploratory Development		100
		STATE TOTAL				198
	ADIABATICS INCORPORATED	Indiana	ARMY	RDTE/Other Defense-Exploratory Development		65
	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development		240
	ADVANCED CERAMICS RESEARCH	Arizona	ARMY	RDTE/Other Defense-Exploratory Development		50
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/Other Defense-Exploratory Development		242
	ADVANCED ELECTRO MAGNETICS	New Mexico	USAF	RDTE/Other Defense-Exploratory Development		60
	ADVANCED ENGINEERING DESIGN	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	ADVANCED FUEL RESEARCH INC	Conn	ARMY	RDTE/Other Defense-Exploratory Development		55
	ADVANCED MOTION CONTROLS INC	Wisconsin	ARMY	RDTE/Other Defense-Exploratory Development		250
	ADVANCED OPTICAL SYSTEMS INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		111
	ADVANCED RES & APPLICATIONS	Ohio	USAF	RDTE/Other Defense-Exploratory Development		260
	ADVANCED SCIENTIFIC CONCEPTS	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	ADVANCED SPACE DATA CORP	Mass	ARMY	RDTE/Other Defense-Exploratory Development		41

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	ADVANCED SURFACE TECHNOLOGY	Mass	ARMY	RDTE/Other Defense-Exploratory Development	$	50
	ADVANCED SYSTEMS TECHNOLOGIES	Colorado	NAVY	RDTE/Other Defense-Exploratory Development		115
	ADVANCED SYSTEMS TECHNOLOGY	Oklahoma	ARMY	RDTE/Other Defense-Exploratory Development		220
	ADVANCED TECHNOLOGY & RESEARCH	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		57
		Maryland	ARMY	RDTE/Other Defense-Exploratory Development		447
	CONTRACTOR TOTAL					504
	ADVANCED TECHNOLOGY MATERIALS	Conn	ARMY	RDTE/Other Defense-Exploratory Development		130
			NAVY	RDTE/Other Defense-Exploratory Development		540
	STATE TOTAL					670
	ADVANCED TECHNOLOGY TRANSFER I	N Carolina	ARMY	RDTE/Other Defense-Exploratory Development		50
	AEGIS RESEARCH	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		50
	AEL DEFENSE CORP	Penn	NAVY	RDTE/Other Defense-Exploratory Development		120
	AERO COMPOSITES	Ohio	ARMY	RDTE/Other Defense-Exploratory Development		50
	AEROCON INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		50
	AERODYNE RESEARCH INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		493
	AEROJET	California	ARMY	RDTE/Other Defense-Exploratory Development		1,453
	AEROSPATIALE	FRANCE	USAF	RDTE/Other Defense-Exploratory Development		75
	AETECH INC	California	ARMY	RDTE/Other Defense-Exploratory Development		98
	AF SAMMER CORP	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		48
	AIL SYSTEMS INC	New York	ARMY	RDTE/Other Defense-Exploratory Development		150
			USAF	RDTE/Other Defense-Exploratory Development		183
	STATE TOTAL					333
	ALABAMA A & M UNIVERSITY	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		73
			USAF	RDTE/Other Defense-Exploratory Development		182
	STATE TOTAL					255

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	ALBANY TITANIUM INC	Oregon	USAF	RDTE/Other Defense-Exploratory Development	$ 40-
	ALDEN ELECTRONICS INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	46
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Other Defense-Exploratory Development	2,079
		Ohio	ARMY	RDTE/Other Defense-Exploratory Development	65
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	825
	CONTRACTOR TOTAL				2,968
	ALLIED SIGNAL AEROSPACE CO	Arizona	USAF	RDTE/Other Defense-Exploratory Development	465
		Maryland	ARMY	RDTE/Other Defense-Exploratory Development	2,376
		New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	891
	CONTRACTOR TOTAL				3,731
	ALLIED SIGNAL INC	Arizona	USAF	RDTE/Other Defense-Exploratory Development	316
		California	USAF	RDTE/Other Defense-Exploratory Development	50-
		Illinois	ARMY	RDTE/Other Defense-Exploratory Development	175
			USAF	RDTE/Other Defense-Exploratory Development	150
		STATE TOTAL			325
	CONTRACTOR TOTAL				591
	ALLOY SURFACES CO	Delaware	NAVY	RDTE/Other Defense-Exploratory Development	74
	ALME & ASSOCIATES	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	200
	ALPHATECH INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	100
			NAVY	RDTE/Other Defense-Exploratory Development	49
		STATE TOTAL			149
	ALTERNATIVE SYSTEM CONCEPTS	N.H.	ARMY	RDTE/Other Defense-Exploratory Development	54
	AMBER ENGINEERING INC	California	ARMY	RDTE/Other Defense-Exploratory Development	39
			USAF	RDTE/Other Defense-Exploratory Development	72
		STATE TOTAL			111
	AMDAHL FEDERAL SERVICE CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	67

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	AMERASIA TECHNOLOGY INC	California	ARMY	RDTE/Other Defense-Exploratory Development	$	296
	AMERICAN ELECTRONICS INC	Maryland	NAVY	RDTE/Other Defense-Exploratory Development		650
	AMERICAN GNC CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		100
	AMERICAN TELEPHONE & TELG CO	New Jersey	USAF	RDTE/Other Defense-Exploratory Development		481
		N Carolina	ARMY	RDTE/Other Defense-Exploratory Development		14,325
		Penn	ARMY	RDTE/Other Defense-Exploratory Development		2,269
	CONTRACTOR TOTAL					17,075
	AMERINEX ARTFL INTELLIGENCE	Mass	ARMY	RDTE/Other Defense-Exploratory Development		640
	AMHERST SYSTEMS INC	New York	ARMY	RDTE/Other Defense-Exploratory Development		50
	AMPARO CORPORATION	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		42
	AMTEC CORPORATION	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		1,271
	ANALYSIS & TECHNOLOGY INC	Conn	ARMY	RDTE/Other Defense-Exploratory Development		350
		Penn	NAVY	RDTE/Other Defense-Exploratory Development		97
	CONTRACTOR TOTAL					447
	ANALYTICAL SYSTEMS ENGRG CORP	Mass	ARMY	RDTE/Other Defense-Exploratory Development		11,276
		New York	USAF	RDTE/Other Defense-Exploratory Development		83
	CONTRACTOR TOTAL					11,359
	ANDERSEN ARTHUR & CO	Illinois	USAF	RDTE/Other Defense-Exploratory Development		503
	ANRO ENGINEERING INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		100
	ANTAIRE CORP	Penn	ARMY	RDTE/Other Defense-Exploratory Development		48
	ANTHROPOLOGY RESEARCH PROJECT	Ohio	USAF	RDTE/Other Defense-Exploratory Development		220
	APELDYN CORP	Oregon	ARMY	RDTE/Other Defense-Exploratory Development		50
	APPLIED PULSED POWER	New York	ARMY	RDTE/Other Defense-Exploratory Development		248
	APPLIED RESEARCH ASSOC INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		90

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
		New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	$	938
		Vermont	ARMY	RDTE/Other Defense-Exploratory Development		133
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development		971
	CONTRACTOR TOTAL					2,131
	APPLIED RESEARCH INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		180
	APPLIED SCIENCE & TECHNOLOGY	Mass	ARMY	RDTE/Other Defense-Exploratory Development		349
	APPLIED TECH ASSOC INC DEL	California	NAVY	RDTE/Other Defense-Exploratory Development		110
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		211
	APPLIED THEORY INC	California	ARMY	RDTE/Other Defense-Exploratory Development		350
	APTECH ENGINEERING SERVICES	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		49
	APTEK INC	California	ARMY	RDTE/Other Defense-Exploratory Development		447
		Colorado	ARMY	RDTE/Other Defense-Exploratory Development		1,163
	CONTRACTOR TOTAL					1,610
	ARBUS INC	Nevada	ARMY	RDTE/Other Defense-Exploratory Development		50
	ARES CORPORATION	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		505
	ARETE ASSOCIATES	California	NAVY	RDTE/Other Defense-Exploratory Development		303
	ARGO TECH CORPORATION	Ohio	USAF	RDTE/Other Defense-Exploratory Development		170
	ARIZONA STATE UNIVERSITY	Arizona	USAF	RDTE/Other Defense-Exploratory Development		57
	ARKALA GROUP	California	ARMY	RDTE/Other Defense-Exploratory Development		47
	ARRAL INDUSTRIES INC	California	ARMY	RDTE/Other Defense-Exploratory Development		723
	ARTEP INC	D.C.	NAVY	RDTE/Other Defense-Exploratory Development		183
	ASSURANCE TECHNOLOGY CORP	Florida	NAVY	RDTE/Other Defense-Exploratory Development		224
	ASTRALUX	Colorado	ARMY	RDTE/Other Defense-Exploratory Development		50
	ASTROPOWER INC	Delaware	ARMY	RDTE/Other Defense-Exploratory Development		50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	ASTROSYSTEMS INC	Delaware	USAF	RDTE/Other Defense-Exploratory Development	$ 50
	ATHENA GROUP THE	Florida	ARMY	RDTE/Other Defense-Exploratory Development	106
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	119
			NAVY	RDTE/Other Defense-Exploratory Development	335
		STATE TOTAL			454
	ATLANTIC RESEARCH CORPORATION	California	USAF	RDTE/Other Defense-Exploratory Development	191
		D.C.	NAVY	RDTE/Other Defense-Exploratory Development	169
		Maryland	ARMY	RDTE/Other Defense-Exploratory Development	90
			NAVY	RDTE/Other Defense-Exploratory Development	117
		STATE TOTAL			207
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	600
			USAF	RDTE/Other Defense-Exploratory Development	995
		STATE TOTAL			1,595
	CONTRACTOR TOTAL				2,162
	ATOCHEM	Penn	ARMY	RDTE/Other Defense-Exploratory Development	238
	ATOM SCIENCES INC	Tennessee	ARMY	RDTE/Other Defense-Exploratory Development	298
	AUBURN UNIVERSITY	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	555
	AURORA TECHNOLOGIES CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	235
	AUSTIN RESEARCH ASSOCIATES	Texas	ARMY	RDTE/Other Defense-Exploratory Development	443
	AUTOMATION RES SYSTEMS LTD	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	1,869
	AUTOMETRIC INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	50
	AVANTEK INC	California	USAF	RDTE/Other Defense-Exploratory Development	1,205
	AVCO CORPORATION	Conn	USAF	RDTE/Other Defense-Exploratory Development	428
		Mass	USAF	RDTE/Other Defense-Exploratory Development	1,379
	CONTRACTOR TOTAL				1,807

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	AVCON ADVANCED CONTROLS TECH	California	USAF	RDTE/Other Defense-Exploratory Development	$	598
	AWARE INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		363
	AZTEC SYSTEMS	Mass	ARMY	RDTE/Other Defense-Exploratory Development		50
	B K DYNAMICS INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		92
	BAAS CORPORATION	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		585
	BAKER ALLAN INC	Kentucky	NAVY	RDTE/Other Defense-Exploratory Development		28
	BAKHTAR ASSOCIATES	California	USAF	RDTE/Other Defense-Exploratory Development		302
	BALL CORPORATION	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		245
			USAF	RDTE/Other Defense-Exploratory Development		100
		STATE TOTAL				345
	BALLENA SYSTEMS CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		146
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/Other Defense-Exploratory Development		11,901
			USAF	RDTE/Other Defense-Exploratory Development		1,556
		STATE TOTAL				13,457
		Washington	ARMY	RDTE/Other Defense-Exploratory Development		78
	CONTRACTOR TOTAL					13,535
	BAYLESS JOHN R CO	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	BDM INTERNATIONAL INC	California	ARMY	RDTE/Other Defense-Exploratory Development		360
		New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		2,128
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development		1,819
			USAF	RDTE/Other Defense-Exploratory Development		120
		STATE TOTAL				1,939
	CONTRACTOR TOTAL					4,426
	BDM MANAGEMENT SERVICES CO	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		26
		New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		1,350
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development		4,881

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	CONTRACTOR TOTAL				$ 6,257
	BECHTEL GROUP INC	California	ARMY	RDTE/Other Defense-Exploratory Development	4,700
	BELLENA SYSTEMS CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	BELYTSCHKO TED INCORPORATED	Illinois	ARMY	RDTE/Other Defense-Exploratory Development	50
	BERKELEY RESEARCH ASSOCIATES	California	ARMY	RDTE/Other Defense-Exploratory Development	1,271
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	2,019
	CONTRACTOR TOTAL				3,289
	BESTAL CORPORATION	California	USAF	RDTE/Other Defense-Exploratory Development	75
	BETA ANALYTICS INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	105
	BIO-TECHNICAL RESOURCES	Wisconsin	ARMY	RDTE/Other Defense-Exploratory Development	50
	BIOELASTICS RESEARCH LTD	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	51
	BIOLOGICAL COMPONENTS CORP	California	NAVY	RDTE/Other Defense-Exploratory Development	99
	BLACK & DECKER CORPORATION	Virginia	USAF	RDTE/Other Defense-Exploratory Development	366
	BOEING AEROSPACE OPERATIONS	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	7,477
		Washington	USAF	RDTE/Other Defense-Exploratory Development	142
	CONTRACTOR TOTAL				7,619
	BOEING COMPANY THE	Kansas	USAF	RDTE/Other Defense-Exploratory Development	500
		Washington	ARMY	RDTE/Other Defense-Exploratory Development	332
			NAVY	RDTE/Other Defense-Exploratory Development	154
			USAF	RDTE/Other Defense-Exploratory Development	122
		STATE TOTAL			608
	CONTRACTOR TOTAL				1,108
	BOLT BERANEK & NEWMAN INC	California	USAF	RDTE/Other Defense-Exploratory Development	208
		Mass	ARMY	RDTE/Other Defense-Exploratory Development	200
			NAVY	RDTE/Other Defense-Exploratory Development	729

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			USAF	RDTE/Other Defense-Exploratory Development	$ 550
		STATE TOTAL			1,479
	CONTRACTOR TOTAL				1,687
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	6,962
			USAF	RDTE/Other Defense-Exploratory Development	553
		STATE TOTAL			7,514
		New York	USAF	RDTE/Other Defense-Exploratory Development	100
		Virginia	USAF	RDTE/Other Defense-Exploratory Development	217
	CONTRACTOR TOTAL				7,831
	BREWER SCIENCE INC	Missouri	ARMY	RDTE/Other Defense-Exploratory Development	527
			USAF	RDTE/Other Defense-Exploratory Development	150
		STATE TOTAL			677
	BRIMROSE CORP OF AMERICA	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	248
	BROWN UNIVERSITY	Rhode Isld	USAF	RDTE/Other Defense-Exploratory Development	300
	BRTRC INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	458
	BRUNSWICK CORPORATION	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	1,512
	C I SYSTEMS INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	50
	C LEC PLASTICS INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	48
	C N R INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	49
	C V C PRODUCTS INC DEL	New York	NAVY	RDTE/Other Defense-Exploratory Development	350
	C V D INCORPORATED	Mass	USAF	RDTE/Other Defense-Exploratory Development	50
	CAELUM RESEARCH CORP	Maryland	USAF	RDTE/Other Defense-Exploratory Development	117
	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/Other Defense-Exploratory Development	75
	CALIFORNIA INSTITUTE OF TECH	California	ARMY	RDTE/Other Defense-Exploratory Development	150
	CALIFORNIA RESEARCH & TECH	California	ARMY	RDTE/Other Defense-Exploratory Development	3,254

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	$ 386
	CONTRACTOR TOTAL				3,640
	CALL RECALL	California	USAF	RDTE/Other Defense-Exploratory Development	485
	CALSPAN CORPORATION	Mass	USAF	RDTE/Other Defense-Exploratory Development	100
		New York	USAF	RDTE/Other Defense-Exploratory Development	3,784
	CONTRACTOR TOTAL				3,884
	CANADIAN COMMERCIAL CORPORATI	CANADA	ARMY	RDTE/Other Defense-Exploratory Development	528
			USAF	RDTE/Other Defense-Exploratory Development	343
		STATE TOTAL			872
	CAPE COD RESEARCH INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	51
	CARCO ELECTRONICS	California	ARMY	RDTE/Other Defense-Exploratory Development	731
	CARDINAL SCIENTIFIC INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	42
	CARNEGIE GROUP INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development	50
	CARNEGIE MELLON UNIVERSITY	Penn	ARMY	RDTE/Other Defense-Exploratory Development	6,306
			USAF	RDTE/Other Defense-Exploratory Development	5,766
		STATE TOTAL			12,072
	CARPENTER RESEARCH CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	72
		New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	85
	CONTRACTOR TOTAL				157
	CARTWRIGHT ELECTRONICS INC	California	USAF	RDTE/Other Defense-Exploratory Development	106
	CAS INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	7,338
	CENTER FOR REMOTE SENSING	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	50
	CENTURY COMPUTING INC	Maryland	NAVY	RDTE/Other Defense-Exploratory Development	143
	CERACON INC	California	ARMY	RDTE/Other Defense-Exploratory Development	200
	CERCOM INC	California	USAF	RDTE/Other Defense-Exploratory Development	344

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	CEXEC INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	$	450
	CF TECHNOLOGIES INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		478
	CHANDLER MAY INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		44
	CHANG INDUSTRY INC	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	CHESAPEAKE	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		67
	CHESTNUT SOFTWARE INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		49
	CHIRP CORP	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	CHRONOS RESEARCH LABORATORIES	California	ARMY	RDTE/Other Defense-Exploratory Development		49
	CIM SYSTEMS INC	Texas	ARMY	RDTE/Other Defense-Exploratory Development		50
	CIMFLEX TEKNOWLEDGE CORP	California	ARMY	RDTE/Other Defense-Exploratory Development		700
	CITY COLLEGE RES FOUNDATION	New York	USAF	RDTE/Other Defense-Exploratory Development		80
	CLARKE THOMAS L	Florida	ARMY	RDTE/Other Defense-Exploratory Development		49
	CLARKSON UNIVERSITY	New York	USAF	RDTE/Other Defense-Exploratory Development		100
	CLEMSON UNIVERSITY	S Carolina	ARMY	RDTE/Other Defense-Exploratory Development		64
	COGNITIVE SYSTEMS INC	Conn	ARMY	RDTE/Other Defense-Exploratory Development		244
	COGNITIVE TECHNOLOGIES	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		50
	COLEMAN RESEARCH CORPORATION	Florida	ARMY	RDTE/Other Defense-Exploratory Development		96
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/Other Defense-Exploratory Development		393
	COLSA INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		7,250
	COMPACT SOFTWARE INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development		237
	COMPOSIX COMPANY	Ohio	ARMY	RDTE/Other Defense-Exploratory Development		66
	COMPOUND ENGINE CONSULTANTS	Arizona	ARMY	RDTE/Other Defense-Exploratory Development		36
	COMPREHENSIVE TECH INTL	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		185
	COMPUDRIVE CORP	Mass	ARMY	RDTE/Other Defense-Exploratory Development		226

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	COMPUTATIONAL MECHANICS CORP	Texas	USAF	RDTE/Other Defense-Exploratory Development	$	249
	COMPUTER AIDED PLANNG SCHDLNG	Georgia	ARMY	RDTE/Other Defense-Exploratory Development		49
	COMPUTER COMMAND AND CTRL CO	Penn	NAVY	RDTE/Other Defense-Exploratory Development		210
	COMPUTER LITERACY WORLD	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		479
	COMPUTER SCIENCES CORPORATION	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		1,137
	COMPUTING DEVICES CANADA LTD	CANADA	NAVY	RDTE/Other Defense-Exploratory Development		30
	CONCORD HILL GROUP INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		362
	CONDUCTUS INC	California	NAVY	RDTE/Other Defense-Exploratory Development		400
	CONEXUS INC	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	CONSOLIDATED PRODUCTS CORP	California	NAVY	RDTE/Other Defense-Exploratory Development		41
	CORNELL UNIVERSITY	New York	ARMY	RDTE/Other Defense-Exploratory Development		974
			NAVY	RDTE/Other Defense-Exploratory Development		218
			USAF	RDTE/Other Defense-Exploratory Development		415
		STATE TOTAL				1,607
	CORNING INC	New York	USAF	RDTE/Other Defense-Exploratory Development		297
	CORPORATION FOR	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	COUSINO METAL PRODUCTS INC	Ohio	ARMY	RDTE/Other Defense-Exploratory Development		50
	CREARE INC	N H.	ARMY	RDTE/Other Defense-Exploratory Development		50
			USAF	RDTE/Other Defense-Exploratory Development		155
		STATE TOTAL				205
	CREE RESEARCH INC	N Carolina	USAF	RDTE/Other Defense-Exploratory Development		50
	CRYSTALIZ INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		53
	CRYSTALLUME	California	USAF	RDTE/Other Defense-Exploratory Development		263
	CSA ENGINEERING INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development		941
	CSC ANALYTICS INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		26

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	$ 400
	CONTRACTOR TOTAL				426
	CUSTOM RESEARCH ENGINEERING	California	ARMY	RDTE/Other Defense-Exploratory Development	49
	CYBERNET SYSTEMS CORP	Michigan	ARMY	RDTE/Other Defense-Exploratory Development	110
	CYMER LASER TECHNOLOGIES	California	ARMY	RDTE/Other Defense-Exploratory Development	49
	DAEDALUS RESEARCH INC	Utah	ARMY	RDTE/Other Defense-Exploratory Development	54
	DAISY SYSTEMS CORPORATION	California	NAVY	RDTE/Other Defense-Exploratory Development	29
	DAMASKOS INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development	68
	DASYS INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development	50
			USAF	RDTE/Other Defense-Exploratory Development	165
		STATE TOTAL			215
	DAVID SARNOFF RESEARCH CENTER	California	USAF	RDTE/Other Defense-Exploratory Development	100
		New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	3,850
			NAVY	RDTE/Other Defense-Exploratory Development	382
			USAF	RDTE/Other Defense-Exploratory Development	30
		STATE TOTAL			4,261
	CONTRACTOR TOTAL				4,361
	DAWN TECHNOLOGIES INC	California	ARMY	RDTE/Other Defense-Exploratory Development	248
	DAYCHEM LABORATORIES INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development	225
	DECISION SCIENCE APPLICATIONS	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	1,483
			USAF	RDTE/Other Defense-Exploratory Development	33
		STATE TOTAL			1,516
	DEEPSEA POWER & LIGHT INC	California	ARMY	RDTE/Other Defense-Exploratory Development	45
	DEFENSE GROUP INC	California	ARMY	RDTE/Other Defense-Exploratory Development	69
	DELFIN SYSTEMS	California	ARMY	RDTE/Other Defense-Exploratory Development	50
			NAVY	RDTE/Other Defense-Exploratory Development	49

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			USAF	RDTE/Other Defense-Exploratory Development	$ 170
		STATE TOTAL			270
	DESE RESEARCH INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	50
	DGI INDUSTRIES INC	Virginia	NAVY	RDTE/Other Defense-Exploratory Development	190
	DIEHL GMBH & CO	GERMANY	ARMY	RDTE/Other Defense-Exploratory Development	218
	DIGITAL EQUIPMENT CORPORATION	D.C.	NAVY	RDTE/Other Defense-Exploratory Development	25
		Maryland	NAVY	RDTE/Other Defense-Exploratory Development	251
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	198
	CONTRACTOR TOTAL				475
	DIGITAL OPTICS CORP	N Carolina	ARMY	RDTE/Other Defense-Exploratory Development	50
	DIMENSION TECHNOLOGIES INC	New York	USAF	RDTE/Other Defense-Exploratory Development	281
	DIRECTED TECHNOLOGIES INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	215
	DISPLAY SCIENCE INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	248
	DISPLAYTECH INC	Colorado	ARMY	RDTE/Other Defense-Exploratory Development	57
	DOW CHEMICAL COMPANY THE	Michigan	USAF	RDTE/Other Defense-Exploratory Development	150
	DOW CORNING CORPORATION	Michigan	NAVY	RDTE/Other Defense-Exploratory Development	75
	DRAGON SYSTEMS INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	99
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	4,746
			USAF	RDTE/Other Defense-Exploratory Development	127
		STATE TOTAL			4,873
	DU PONT E I DE NEMOURS & CO	Delaware	ARMY	RDTE/Other Defense-Exploratory Development	1,926
			NAVY	RDTE/Other Defense-Exploratory Development	48
			USAF	RDTE/Other Defense-Exploratory Development	1,164
		STATE TOTAL			3,137
	DUKE UNIVERSITY	N Carolina	ARMY	RDTE/Other Defense-Exploratory Development	75
			NAVY	RDTE/Other Defense-Exploratory Development	43

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		STATE TOTAL			$ 118
	DY 4 SYSTEMS INC	N.H.	ARMY	RDTE/Other Defense-Exploratory Development	76
	DYNA EAST CORPORATION	Penn	ARMY	RDTE/Other Defense-Exploratory Development	558
	DYNAFLOW INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development	146
	DYNAMIC CONTROLS INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development	280
	DYNAMIC SCIENCE INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	392
		Arizona	ARMY	RDTE/Other Defense-Exploratory Development	830
	CONTRACTOR TOTAL				1,222
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/Other Defense-Exploratory Development	372
	DYNATHERM CORPORATION	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	247
	DYNCORP	Ohio	USAF	RDTE/Other Defense-Exploratory Development	200
	DYNETICS INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	7,081
		New York	USAF	RDTE/Other Defense-Exploratory Development	99
	CONTRACTOR TOTAL				7,179
	E I C LABORATORY INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	126
	E TEK DYNAMICS INC	California	ARMY	RDTE/Other Defense-Exploratory Development	52
	E-OIR MEASUREMENTS INC	Virginia	USAF	RDTE/Other Defense-Exploratory Development	334
	E-SYSTEMS INC	Texas	ARMY	RDTE/Other Defense-Exploratory Development	4,845
			NAVY	RDTE/Other Defense-Exploratory Development	2,047
			USAF	RDTE/Other Defense-Exploratory Development	358
		STATE TOTAL			7,251
		Virginia	USAF	RDTE/Other Defense-Exploratory Development	75
	CONTRACTOR TOTAL				7,326
	EAGLE PICHER INDUSTRIES INC	Colorado	USAF	RDTE/Other Defense-Exploratory Development	160
	EAGLE SYSTEMS INC	Maryland	NAVY	RDTE/Other Defense-Exploratory Development	848

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	EAGLE TECHNOLOGY INC	Florida	USAF	RDTE/Other Defense-Exploratory Development	$ 150
	EAI CORPORATION	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	2,306
	EASTERN COMPUTERS INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	1,524
	EASTMAN KODAK COMPANY	New York	ARMY	RDTE/Other Defense-Exploratory Development	327
			USAF	RDTE/Other Defense-Exploratory Development	710
		STATE TOTAL			1,037
	EASTPORT CORPORATION	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	73
	EATON CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	1,722
	EBASCO SERVICES INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	4,700
	EDGE SYSTEMS INC	Illinois	NAVY	RDTE/Other Defense-Exploratory Development	209
	EER SYSTEMS CORPORATION	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	11,412
	EG&G INC	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	581
	EG&G SEALOL INC	Rhode Isld	USAF	RDTE/Other Defense-Exploratory Development	291
	EG&G WASHINGTON ANALYTICAL SVC	Maryland	NAVY	RDTE/Other Defense-Exploratory Development	178
	ELECTRO MAGNETIC APPLICATION	Colorado	ARMY	RDTE/Other Defense-Exploratory Development	50
	ELECTRO-OPTEK CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	246
	ELECTROCHEMICAL SYSTEMS INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	50
	ELECTROMAGNETIC SCIENCES INC	Georgia	USAF	RDTE/Other Defense-Exploratory Development	249
	ELECTRONIC ASSOCIATES INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	1,037
	ELECTRONIC CONCEPTS & ENGINEER	Ohio	ARMY	RDTE/Other Defense-Exploratory Development	59
	ELECTRONIC DECISIONS INC	Illinois	ARMY	RDTE/Other Defense-Exploratory Development	297
			USAF	RDTE/Other Defense-Exploratory Development	5,000
		STATE TOTAL			5,297
	ELECTRONICS DEVELOPMENT CORP	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	136
	EMC SCIENCE CENTER INC	Penn	NAVY	RDTE/Other Defense-Exploratory Development	25

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	EMC SCIENCE CTR INC	Penn	NAVY	RDTE/Other Defense-Exploratory Development	$	1,432
	EMCOR ELECTROMAGNETIX CORP	Florida	ARMY	RDTE/Other Defense-Exploratory Development		49
	EMCORE CORPORATION	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development		50
			NAVY	RDTE/Other Defense-Exploratory Development		320
			USAF	RDTE/Other Defense-Exploratory Development		250
		STATE TOTAL				620
	EMERSON & STERN ASSOCIATES	California	ARMY	RDTE/Other Defense-Exploratory Development		55
	ENERGY COMPRESSION RES CORP	California	ARMY	RDTE/Other Defense-Exploratory Development		346
	ENGINEERING DESIGN TEAM & IN	Oregon	ARMY	RDTE/Other Defense-Exploratory Development		52
	ENGINEERING TECHNOLOGIES INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		88
	ENGINEERING TECHNOLOGY INC	Florida	ARMY	RDTE/Other Defense-Exploratory Development		125
	ENSCO INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		4,707
			NAVY	RDTE/Other Defense-Exploratory Development		26
			USAF	RDTE/Other Defense-Exploratory Development		173
		STATE TOTAL				4,906
	ENSIGN BICKFORD AEROSPACE CO	Conn	ARMY	RDTE/Other Defense-Exploratory Development		138
	ENTEK INC	Virginia	NAVY	RDTE/Other Defense-Exploratory Development		663
	ENTROPIC RESEARCH LABORATORY I	D.C.	ARMY	RDTE/Other Defense-Exploratory Development		298
	ENVIRNMENTAL RES INST OF MICH	Michigan	ARMY	RDTE/Other Defense-Exploratory Development		5,597
			NAVY	RDTE/Other Defense-Exploratory Development		45
			USAF	RDTE/Other Defense-Exploratory Development		901
		STATE TOTAL				6,543
	ENVIRO-MANAGEMENT & RESEARCH	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		82
	ENVIRONMENTAL BIOTECHNOLOGIES	California	ARMY	RDTE/Other Defense-Exploratory Development		54
	ENVIRONMENTAL DIAGNOSTICS	N Carolina	NAVY	RDTE/Other Defense-Exploratory Development		200
	ENVIRONMENTAL TECHNOLOGIES GRO	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		2,923
	ENVRONMENTAL PHYSICS INC	California	ARMY	RDTE/Other Defense-Exploratory Development		50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	EPION CORPORATION	Mass	ARMY	RDTE/Other Defense-Exploratory Development	$ 50
	ERNST MACH INSTITUTE	GERMANY	ARMY	RDTE/Other Defense-Exploratory Development	200
	F & M MANUFACTURING INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	48
			USAF	RDTE/Other Defense-Exploratory Development	518
		STATE TOTAL			567
	FALCON ASSOCIATES LTD	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	1,988
	FASTMAN INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development	53
	FCD CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	50
		Conn	ARMY	RDTE/Other Defense-Exploratory Development	
	CONTRACTOR TOTAL				50
	FERMIONICS CORPORATION	California	NAVY	RDTE/Other Defense-Exploratory Development	108
	FIBER & SENSOR TECHNOLOGIES	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	50
	FIBER MATERIALS INC	Maine	ARMY	RDTE/Other Defense-Exploratory Development	50
	FIMOD CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	50
	FLAM & RUSSELL INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development	49
	FLORIDA A & M UNIVERSITY	Florida	USAF	RDTE/Other Defense-Exploratory Development	100
	FLORIDA INTERNATIONAL UNIV	Florida	ARMY	RDTE/Other Defense-Exploratory Development	83
	FLOUROCHEM INC	California	ARMY	RDTE/Other Defense-Exploratory Development	57-
	FM TECHNOLOGIES INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	50
	FMC CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	335
		Minnesota	ARMY	RDTE/Other Defense-Exploratory Development	5,373
	CONTRACTOR TOTAL				5,709
	FORE SYSTEMS INC	Penn	NAVY	RDTE/Other Defense-Exploratory Development	687
	FOSTER MILLER INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	433

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	FOSTER-MILLER INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	$ 358
	FRONTIER ENGINEERING INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development	183
	FUENTEZ SYSTEMS CONCEPTS INC	Virginia	USAF	RDTE/Other Defense-Exploratory Development	139
	FUTURES GROUP INC	Conn	ARMY	RDTE/Other Defense-Exploratory Development	164
	G & F COMPANY	California	ARMY	RDTE/Other Defense-Exploratory Development	7,424
	G P S ENGINEERING & MACHINE	Nevada	ARMY	RDTE/Other Defense-Exploratory Development	74
	GARJAK RESEARCH INC	California	ARMY	RDTE/Other Defense-Exploratory Development	494
	GARKANE POWER ASSOCIATION INC	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	GEIGER ELECTRONICS INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	86
	GELEST INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development	50
	GEMINI INDUSTRIES INC	New York	USAF	RDTE/Other Defense-Exploratory Development	663
	GENERAL ATOMICS	California	ARMY	RDTE/Other Defense-Exploratory Development	368
			NAVY	RDTE/Other Defense-Exploratory Development	36
			USAF	RDTE/Other Defense-Exploratory Development	316
		STATE TOTAL			720
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	37,938
			NAVY	RDTE/Other Defense-Exploratory Development	41
			USAF	RDTE/Other Defense-Exploratory Development	420
		STATE TOTAL			38,399
		Conn	ARMY	RDTE/Other Defense-Exploratory Development	1,580
		Michigan	ARMY	RDTE/Other Defense-Exploratory Development	2,446
		Texas	ARMY	RDTE/Other Defense-Exploratory Development	526
	CONTRACTOR TOTAL				42,951
	GENERAL ELCTRC-RCA TECH LAB JV	New Jersey	USAF	RDTE/Other Defense-Exploratory Development	138
	GENERAL ELECTRIC COMPANY	Arizona	USAF	RDTE/Other Defense-Exploratory Development	3,460
		Mass	USAF	RDTE/Other Defense-Exploratory Development	340

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
		New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	$	175
			NAVY	RDTE/Other Defense-Exploratory Development		143
			USAF	RDTE/Other Defense-Exploratory Development		283
		STATE TOTAL				601
		New York	ARMY	RDTE/Other Defense-Exploratory Development		4,194
			NAVY	RDTE/Other Defense-Exploratory Development		3,791
			USAF	RDTE/Other Defense-Exploratory Development		2,573
		STATE TOTAL				10,558
		Ohio	NAVY	RDTE/Other Defense-Exploratory Development		1,148
			USAF	RDTE/Other Defense-Exploratory Development		7,162
		STATE TOTAL				8,311
		Penn	ARMY	RDTE/Other Defense-Exploratory Development		550
			USAF	RDTE/Other Defense-Exploratory Development		300
		STATE TOTAL				850
		Vermont	ARMY	RDTE/Other Defense-Exploratory Development		1,216
	CONTRACTOR TOTAL					25,335
	GENERAL FIBER OPTICS INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development		49
	GENERAL MOTORS CORPORATION	California	USAF	RDTE/Other Defense-Exploratory Development		86
		Indiana	ARMY	RDTE/Other Defense-Exploratory Development		255
			NAVY	RDTE/Other Defense-Exploratory Development		512
			USAF	RDTE/Other Defense-Exploratory Development		690
		STATE TOTAL				1,457
	CONTRACTOR TOTAL					1,543
	GENERAL RESEARCH CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		1,203
			NAVY	RDTE/Other Defense-Exploratory Development		60
			USAF	RDTE/Other Defense-Exploratory Development		2,760
		STATE TOTAL				4,023
	GENERAL SCIENCES INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development		416
	GENISYS RESEARCH & DEVELOPMENT	New York	USAF	RDTE/Other Defense-Exploratory Development		260

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	GEO CENTERS INC	D.C.	NAVY	RDTE/Other Defense-Exploratory Development	$	1,399
		Mass	ARMY	RDTE/Other Defense-Exploratory Development		547
	CONTRACTOR TOTAL					1,946
	GEO-CENTERS INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		108
	GEORGE MASON UNIVERSITY	Virginia	USAF	RDTE/Other Defense-Exploratory Development		50
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/Other Defense-Exploratory Development		89
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Other Defense-Exploratory Development		2,609
			NAVY	RDTE/Other Defense-Exploratory Development		10
			USAF	RDTE/Other Defense-Exploratory Development		1 066
		STATE TOTAL				3,785
	GILEAD SCIENCES INC	California	ARMY	RDTE/Other Defense-Exploratory Development		1,209
	GILFILLAN LYNNE ASSOCIATES INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		50
	GLOBAL ASSOCIATES LTD	Virginia	NAVY	RDTE/Other Defense-Exploratory Development		447
	GOVERNMENT MICRO RESOURCES	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		106
	GRADIENT LENS CORPORATION	New York	ARMY	RDTE/Other Defense-Exploratory Development		300
	GREYSTONE DEFENSE SYSTEMS DIVI	California	ARMY	RDTE/Other Defense-Exploratory Development		54
	GRUMMAN AEROSPACE CORPORATION	California	USAF	RDTE/Other Defense-Exploratory Development		30
		Florida	USAF	RDTE/Other Defense-Exploratory Development		50
		New York	ARMY	RDTE/Other Defense-Exploratory Development		85
			USAF	RDTE/Other Defense-Exploratory Development		145-
		STATE TOTAL				60-
	CONTRACTOR TOTAL					19
	GRUMMAN DATA SYSTEMS CORP	New York	ARMY	RDTE/Other Defense-Exploratory Development		130
			USAF	RDTE/Other Defense-Exploratory Development		859
		STATE TOTAL				989
	GTE CORPORATION	Mass	USAF	RDTE/Other Defense-Exploratory Development		491

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	GTE GOVERNMENT SYSTEMS CORP	Mass	NAVY	RDTE/Other Defense-Exploratory Development	$	134
	GUMBS ASSOCIATES INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development		49
	H-TECH LABORATORIES INC	California	ARMY	RDTE/Other Defense-Exploratory Development		27
	HARRIS CORPORATION	Florida	NAVY	RDTE/Other Defense-Exploratory Development		1,470
			USAF	RDTE/Other Defense-Exploratory Development		3,160
		STATE TOTAL				4,630
	HARRIS GROUP THE INC	Virginia	USAF	RDTE/Other Defense-Exploratory Development		149
	HARVARD COLLEGE	Mass	NAVY	RDTE/Other Defense-Exploratory Development		49
	HARVARD UNIVERSITY	Maine	USAF	RDTE/Other Defense-Exploratory Development		132
	HAZELTINE CORPORATION	New York	ARMY	RDTE/Other Defense-Exploratory Development		158
	HERCULES INCORPORATED	W Virginia	ARMY	RDTE/Other Defense-Exploratory Development		1,628
	HEWLETT-PACKARD COMPANY	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		1,276
	HI Z TECHNOLOGY INC	California	ARMY	RDTE/Other Defense-Exploratory Development		250
	HIBBITT KARLSSON & SORENSEN	Rhode Isld	ARMY	RDTE/Other Defense-Exploratory Development		34
	HILTON SYSTEMS INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		2,031
		Georgia	ARMY	RDTE/Other Defense-Exploratory Development		209
	CONTRACTOR TOTAL					2,241
	HITTITE MICROWAVE CORPORATION	Mass	NAVY	RDTE/Other Defense-Exploratory Development		100
	HNC INC	California	ARMY	RDTE/Other Defense-Exploratory Development		337
	HOLTGREN INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development		50
	HONEYWELL INC	Arizona	ARMY	RDTE/Other Defense-Exploratory Development		29
		Florida	ARMY	RDTE/Other Defense-Exploratory Development		706
		Minnesota	ARMY	RDTE/Other Defense-Exploratory Development		4,588
			NAVY	RDTE/Other Defense-Exploratory Development		315
			USAF	RDTE/Other Defense-Exploratory Development		4,060

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		STATE TOTAL			$ 8,963
	CONTRACTOR TOTAL				9,698
	HORIZONS TECHNOLOGY INC	California	ARMY	RDTE/Other Defense-Exploratory Development	2,220
	HOUSTON ADVANCED RESEARCH CTR	Texas	ARMY	RDTE/Other Defense-Exploratory Development	750
	HOWARD UNIVERSITY	D.C.	USAF	RDTE/Other Defense-Exploratory Development	229
	HRB SYSTEMS INC	Penn	NAVY	RDTE/Other Defense-Exploratory Development	130
			USAF	RDTE/Other Defense-Exploratory Development	208
		STATE TOTAL			338
	HUGHES AIRCRAFT COMPANY	Arizona	ARMY	RDTE/Other Defense-Exploratory Development	37
		California	ARMY	RDTE/Other Defense-Exploratory Development	15,926
			NAVY	RDTE/Other Defense-Exploratory Development	140
			USAF	RDTE/Other Defense-Exploratory Development	1,842
		STATE TOTAL			17,908
		Conn	ARMY	RDTE/Other Defense-Exploratory Development	269
	CONTRACTOR TOTAL				18,214
	HUGHES DANBURY OPTICAL SYSTEMS	Conn	USAF	RDTE/Other Defense-Exploratory Development	200
	HUGHES NETWORK SYSTEMS INC	California	ARMY	RDTE/Other Defense-Exploratory Development	605
	HUMAN RSRCES RES ORGANIZATION	Virginia	USAF	RDTE/Other Defense-Exploratory Development	619
	HUNTING ENGINEERING LIMITED	UNITED KIN	ARMY	RDTE/Other Defense-Exploratory Development	150
	HY TECH RESEARCH CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	300
	HY-TECH RESEARCH CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	499
	HYDRO PRODUCTS INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	949
	HYPRES INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	50
			USAF	RDTE/Other Defense-Exploratory Development	250
		STATE TOTAL			300
	I A P RESEARCH INC	Ohio	ARMY	RDTE/Other Defense-Exploratory Development	137

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Other Defense-Exploratory Development	$ 351
		Indiana	ARMY	RDTE/Other Defense-Exploratory Development	110
		New York	USAF	RDTE/Other Defense-Exploratory Development	50
	CONTRACTOR TOTAL				511
	I-KINETICS INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	57
	IBIS TECHNOLOGY CORP	Mass	ARMY	RDTE/Other Defense-Exploratory Development	439
	II VI INCORPORATED	Penn	ARMY	RDTE/Other Defense-Exploratory Development	50
	ILLINOIS INST OF TECH	Illinois	USAF	RDTE/Other Defense-Exploratory Development	150
	IMAGING SCIENCE TECHNOLOGIES	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	252
	INDIANA UNIVERSITY SYSTEM	Indiana	USAF	RDTE/Other Defense-Exploratory Development	355
	INDUSTRIAL QUALITY INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	295
	INDUSTRIAL SENSORS & ACTUATORS	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	INFORMATION SCIENCE INC	California	ARMY	RDTE/Other Defense-Exploratory Development	315
	INFORMATION SYSTEMS LABS	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	246
	INFORMTION SYSTEMS NTWRKS CORP	Ohio	USAF	RDTE/Other Defense-Exploratory Development	146
	INFOSYSTEMS TECHNOLOGY INC	Maryland	USAF	RDTE/Other Defense-Exploratory Development	372
	INNOVA LABORATORIES INC	California	ARMY	RDTE/Other Defense-Exploratory Development	58
	INNOVATIVE CONFIGURATION INC	California	ARMY	RDTE/Other Defense-Exploratory Development	49
	INNOVATIVE DYNAMICS	New York	ARMY	RDTE/Other Defense-Exploratory Development	51
	INTEGRATED SENSORS INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	49
			USAF	RDTE/Other Defense-Exploratory Development	53
	STATE TOTAL				102
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/Other Defense-Exploratory Development	67
	INTEL CORPORATION	Oregon	ARMY	RDTE/Other Defense-Exploratory Development	11,691

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	INTELLECTION INC	Texas	ARMY	RDTE/Other Defense-Exploratory Development	$	50
	INTELLIGENT IMAGES INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		72
	INTELLIGENT MACHINE TECH CORP	Texas	USAF	RDTE/Other Defense-Exploratory Development		200
	INTELLIGENT REASONING SYSTEMS	New Mexico	NAVY	RDTE/Other Defense-Exploratory Development		48
	INTERFEROMETRICS INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		50
	INTERMAGNETICS GENERAL CORP	Conn	USAF	RDTE/Other Defense-Exploratory Development		68
		New York	USAF	RDTE/Other Defense-Exploratory Development		68
	CONTRACTOR TOTAL					135
	INTERMETRICS INC	Mass	USAF	RDTE/Other Defense-Exploratory Development		81
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/Other Defense-Exploratory Development		1,654
			NAVY	RDTE/Other Defense-Exploratory Development		107
			USAF	RDTE/Other Defense-Exploratory Development		323
		STATE TOTAL				2,084
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development		1,801
			USAF	RDTE/Other Defense-Exploratory Development		4,155
		STATE TOTAL				5,956
	CONTRACTOR TOTAL					8,040
	INTERNATIONAL SOFTWARE SYSTEMS	Texas	ARMY	RDTE/Other Defense-Exploratory Development		50
			USAF	RDTE/Other Defense-Exploratory Development		1,886
		STATE TOTAL				1,936
	INTERNATIONAL SOLAR ELECTRICAL	California	ARMY	RDTE/Other Defense-Exploratory Development		48
	INTERNTL COMM RAD UNTS	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		60
	INTERSCIENCE INC	New York	ARMY	RDTE/Other Defense-Exploratory Development		509
	IONEDGE CORPORATION	Colorado	ARMY	RDTE/Other Defense-Exploratory Development		50
	IRVINE SENSORS CORPORATION	California	NAVY	RDTE/Other Defense-Exploratory Development		182
	ISX CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		1,497

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			USAF	RDTE/Other Defense-Exploratory Development	$ 108
		STATE TOTAL			1,604
	ITT CORPORATION	New Jersey	USAF	RDTE/Other Defense-Exploratory Development	104
		Ohio	USAF	RDTE/Other Defense-Exploratory Development	130
		CONTRACTOR TOTAL			234
	ITT GILFILLAN	California	USAF	RDTE/Other Defense-Exploratory Development	63
	J S P INDUSTRIES INC	Kansas	ARMY	RDTE/Other Defense-Exploratory Development	47
	JAMESON ROBOTICS	Texas	ARMY	RDTE/Other Defense-Exploratory Development	50
	JASON ASSOCIATES CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	2,889
	JAYCOR	California	ARMY	RDTE/Other Defense-Exploratory Development	21,722
			NAVY	RDTE/Other Defense-Exploratory Development	110
		STATE TOTAL			21,832
		Colorado	ARMY	RDTE/Other Defense-Exploratory Development	300
		Ohio	USAF	RDTE/Other Defense-Exploratory Development	1,604
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	2,323
		CONTRACTOR TOTAL			26,060
	JBS TECHNOLOGIES INC	California	ARMY	RDTE/Other Defense-Exploratory Development	52
	JET PROCESS CORPORATION	Conn	ARMY	RDTE/Other Defense-Exploratory Development	355
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	190
			NAVY	RDTE/Other Defense-Exploratory Development	185
			USAF	RDTE/Other Defense-Exploratory Development	105
		STATE TOTAL			480
	JOHNSON CONTROLS INC	Wisconsin	USAF	RDTE/Other Defense-Exploratory Development	110
	JOHNSON CONTROLS WORLD SERVICE	Nevada	ARMY	RDTE/Other Defense-Exploratory Development	553
	JOHNSON MATTHEY ELECTRONICS IN	Washington	ARMY	RDTE/Other Defense-Exploratory Development	7,391
	JWA DIV	Washington	ARMY	RDTE/Other Defense-Exploratory Development	50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	K V H INDUSTRIES INC	Rhode Isld	ARMY	RDTE/Other Defense-Exploratory Development	$	400
	KAMAN SCIENCES CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		601
		Colorado	ARMY	RDTE/Other Defense-Exploratory Development		14,927
			USAF	RDTE/Other Defense-Exploratory Development		74
		STATE TOTAL				15,002
		Mass	ARMY	RDTE/Other Defense-Exploratory Development		126
		New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		600
		New York	USAF	RDTE/Other Defense-Exploratory Development		3,138
	CONTRACTOR TOTAL					19,467
	KARAGOZIAN & CASE	California	ARMY	RDTE/Other Defense-Exploratory Development		514
	KARP SHERMAN	Maryland	USAF	RDTE/Other Defense-Exploratory Development		41
	KESTREL ASSOCIATES INC	D.C.	NAVY	RDTE/Other Defense-Exploratory Development		867
		Virginia	NAVY	RDTE/Other Defense-Exploratory Development		62
	CONTRACTOR TOTAL					929
	KESTREL INSTITUTE	California	NAVY	RDTE/Other Defense-Exploratory Development		620
	KINETICS GEN INC	Washington	ARMY	RDTE/Other Defense-Exploratory Development		50
	KNIGHTRONIX INC	Minnesota	ARMY	RDTE/Other Defense-Exploratory Development		250
	KNOWLEDGE BASED SYSTEM	Texas	ARMY	RDTE/Other Defense-Exploratory Development		65
	KNOWLEDGE BASED SYSTEMS INC	Texas	USAF	RDTE/Other Defense-Exploratory Development		150
	KNOWLEDGE INDUSTRIES	California	ARMY	RDTE/Other Defense-Exploratory Development		50
			USAF	RDTE/Other Defense-Exploratory Development		47
		STATE TOTAL				97
	KOPIN CORPORATION	Mass	ARMY	RDTE/Other Defense-Exploratory Development		3,928
			NAVY	RDTE/Other Defense-Exploratory Development		531
		STATE TOTAL				4,459

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	KPMG PEAT MARWICK	D.C.	ARMY	RDTE/Other Defense-Exploratory Development	$ 1,011
	KRUG INTERNATIONAL CORPORATION	Texas	USAF	RDTE/Other Defense-Exploratory Development	2,013
	KTECH CORPORATION	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	795
	L B & M ASSOCIATES INC	Oklahoma	ARMY	RDTE/Other Defense-Exploratory Development	266
	L N K CORPORATION	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	1,184
	L N R COMMUNICATIONS INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	306
	LABORATORY ANIMAL BREEDERS SVC	S Carolina	ARMY	RDTE/Other Defense-Exploratory Development	561
	LACHEL & ASSOCIATES	Kentucky	ARMY	RDTE/Other Defense-Exploratory Development	400
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	294
	CONTRACTOR TOTAL				694
	LANXIDE CORP	Delaware	ARMY	RDTE/Other Defense-Exploratory Development	150
	LASER PHOTONICS TECHNOLOGY	New York	ARMY	RDTE/Other Defense-Exploratory Development	50
	LASER POWER CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	295
			USAF	RDTE/Other Defense-Exploratory Development	228
	STATE TOTAL				523
	LASER TOOLS INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	50
	LEHIGH UNIVERSITY	Penn	USAF	RDTE/Other Defense-Exploratory Development	40
	LIBRASCOPE CORPORATION	Minnesota	ARMY	RDTE/Other Defense-Exploratory Development	358
	LIGHT SCIENCES INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	50
	LIGHTWAVE ELECTRONICS CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	50
			USAF	RDTE/Other Defense-Exploratory Development	133
	STATE TOTAL				183
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	149
	LITTON INDUSTRIES INC	California	NAVY	RDTE/Other Defense-Exploratory Development	131
	LITTON SYSTEMS INC	California	USAF	RDTE/Other Defense-Exploratory Development	495
		Conn	ARMY	RDTE/Other Defense-Exploratory Development	315

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			USAF	RDTE/Other Defense-Exploratory Development	$ 500
		STATE TOTAL			815
		Maryland	USAF	RDTE/Other Defense-Exploratory Development	161
		New Jersey	NAVY	RDTE/Other Defense-Exploratory Development	225
	CONTRACTOR TOTAL				1,696
	LIVERMORE SOFTWARE TECHNOLOGY	California	NAVY	RDTE/Other Defense-Exploratory Development	44
	LOCKHEED AERONAUTICAL SYS CO	Georgia	USAF	RDTE/Other Defense-Exploratory Development	80-
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/Other Defense-Exploratory Development	6,723
			USAF	RDTE/Other Defense-Exploratory Development	396
		STATE TOTAL			7,118
		Nevada	ARMY	RDTE/Other Defense-Exploratory Development	6,853
	CONTRACTOR TOTAL				13,972
	LOCKHEED SANDERS INC	N.H.	NAVY	RDTE/Other Defense-Exploratory Development	46
			USAF	RDTE/Other Defense-Exploratory Development	968
		STATE TOTAL			1,014
	LOCUS INC	Conn	NAVY	RDTE/Other Defense-Exploratory Development	150
		D.C.	NAVY	RDTE/Other Defense-Exploratory Development	4,603
		Penn	NAVY	RDTE/Other Defense-Exploratory Development	4,974
	CONTRACTOR TOTAL				9,726
	LOGICA DEFENCE & CIVIL GOVERNM	UNITED KIN	ARMY	RDTE/Other Defense-Exploratory Development	96
	LOGICON INC	California	ARMY	RDTE/Other Defense-Exploratory Development	57
		Ohio	USAF	RDTE/Other Defense-Exploratory Development	3,843
	CONTRACTOR TOTAL				3,899
	LOGICON ULTRASYSTEMS INC	California	USAF	RDTE/Other Defense-Exploratory Development	245-
	LONE PEAK ENGINEERING INC	Utah	ARMY	RDTE/Other Defense-Exploratory Development	56

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	LORAL AEROSPACE CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	$ 66
			NAVY	RDTE/Other Defense-Exploratory Development	100
		STATE TOTAL			166
	LORAL CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	161
			NAVY	RDTE/Other Defense-Exploratory Development	15,888
		STATE TOTAL			16,049
		D C.	NAVY	RDTE/Other Defense-Exploratory Development	122
		New York	USAF	RDTE/Other Defense-Exploratory Development	150
	CONTRACTOR TOTAL				16,321
	LORAL VOUGHT SYSTEMS	Texas	ARMY	RDTE/Other Defense-Exploratory Development	163,692
			USAF	RDTE/Other Defense-Exploratory Development	122
		STATE TOTAL			163,814
	LOS ALAMOS TECHNICAL ASSOC INC	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	600
	LUBRICATING SPC COMPANY	California	USAF	RDTE/Other Defense-Exploratory Development	213
	LUCID, INC.	California	ARMY	RDTE/Other Defense-Exploratory Development	125
	LUNDY ELECTRONICS & SYSTEMS	Florida	NAVY	RDTE/Other Defense-Exploratory Development	204
	LYNNTECH INC	Texas	ARMY	RDTE/Other Defense-Exploratory Development	50
			USAF	RDTE/Other Defense-Exploratory Development	276
		STATE TOTAL			326
	M DOT INCORPORATED	Arizona	ARMY	RDTE/Other Defense-Exploratory Development	50
	M L ENERGIA INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	100
	M R J INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	430
	M T L SYSTEMS INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development	1,901
	M/A-COM INC	Mass	USAF	RDTE/Other Defense-Exploratory Development	99
	MAC AULAY BROWN INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development	661
	MACH I INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development	197

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	MADEN TECH CONSULTING INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	$	601
	MAGNASCREEN CORPORATION	Penn	USAF	RDTE/Other Defense-Exploratory Development		2,561
	MAGNAVOX GOVT & INDSTRL ELCTR	Indiana	ARMY	RDTE/Other Defense-Exploratory Development		517
	MAINSTREAM ENGINEERING CO INC	Florida	ARMY	RDTE/Other Defense-Exploratory Development		50
	MAK TECHNOLOGIES INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		55
	MALIBU RESEARCH ASSOCIATES	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	MANDEX INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		99
			NAVY	RDTE/Other Defense-Exploratory Development		510
		STATE TOTAL				609
	MANTECH INTERNATIONAL CORP	Ohio	USAF	RDTE/Other Defense-Exploratory Development		3,732
	MARK RESOURCES INC	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	MARTIN ELECTRONICS INC	Florida	ARMY	RDTE/Other Defense-Exploratory Development		100
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/Other Defense-Exploratory Development		3,894
			NAVY	RDTE/Other Defense-Exploratory Development		997
		STATE TOTAL				4,890
		Florida	ARMY	RDTE/Other Defense-Exploratory Development		1,634
			USAF	RDTE/Other Defense-Exploratory Development		602
		STATE TOTAL				2,236
		Maryland	ARMY	RDTE/Other Defense-Exploratory Development		355
			USAF	RDTE/Other Defense-Exploratory Development		53
		STATE TOTAL				408
	CONTRACTOR TOTAL					7,535
	MARTIN SYSTEMS INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		48
	MARYLAND TECHNOLOGY	Maryland	USAF	RDTE/Other Defense-Exploratory Development		50
	MASSACHUSETTS INST OF TCHNOLOG	Mass	ARMY	RDTE/Other Defense-Exploratory Development		4,275
			USAF	RDTE/Other Defense-Exploratory Development		2,189

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		STATE TOTAL			$ 6,464
	MASSACHUSETTS TECH LAB	Mass	ARMY	RDTE/Other Defense-Exploratory Development	50
	MATEC CORPORATION	Delaware	NAVY	RDTE/Other Defense-Exploratory Development	60
	MATERIALS AND SYSTEMS RESEARCH	Utah	ARMY	RDTE/Other Defense-Exploratory Development	49
	MATERIALS ELECTROCHEMICAL RES	Arizona	ARMY	RDTE/Other Defense-Exploratory Development	100
	MAXWELL LABORATORIES INC	California	ARMY	RDTE/Other Defense-Exploratory Development	20,879
			USAF	RDTE/Other Defense-Exploratory Development	135
		STATE TOTAL			21,014
	MAYO FOUNDATION	Minnesota	USAF	RDTE/Other Defense-Exploratory Development	200
	MCDONNELL AIRCRAFT COMPANY	California	ARMY	RDTE/Other Defense-Exploratory Development	3,700
	MCDONNELL DOUGLAS CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	50
			USAF	RDTE/Other Defense-Exploratory Development	30
		STATE TOTAL			80
		Missouri	ARMY	RDTE/Other Defense-Exploratory Development	5,100
			USAF	RDTE/Other Defense-Exploratory Development	2,621
		STATE TOTAL			7,721
		Texas	USAF	RDTE/Other Defense-Exploratory Development	392
	CONTRACTOR TOTAL				8,192
	MCDONNELL DOUGLAS MSL SYS CO	Missouri	USAF	RDTE/Other Defense-Exploratory Development	105
	MCDONNELL DOUGLAS SPACE SYS CO	California	USAF	RDTE/Other Defense-Exploratory Development	46
	MCNC	N Carolina	ARMY	RDTE/Other Defense-Exploratory Development	403
	MECHANICAL TECHNOLOGY INC	New York	USAF	RDTE/Other Defense-Exploratory Development	2,609
	MEDOX RESEARCH INC	Michigan	ARMY	RDTE/Other Defense-Exploratory Development	509
	MELLEN COMPANY INC	N.H.	ARMY	RDTE/Other Defense-Exploratory Development	376
	MEMBRANE TECHNOLOGY & RESEARCH	California	USAF	RDTE/Other Defense-Exploratory Development	134

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	MERIDIAN CORPORATION	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	$	4,422
	MERIDIAN INDUSTRIES INC	California	ARMY	RDTE/Other Defense-Exploratory Development		47
	MERIX CORPORATION	Mass	ARMY	RDTE/Other Defense-Exploratory Development		182
	MERRIFIELD LABORATORIES INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		75
	MERRITT CASES, INC.	California	ARMY	RDTE/Other Defense-Exploratory Development		32
	MESA INC	D.C.	NAVY	RDTE/Other Defense-Exploratory Development		783
	METATECH CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		1,705
	METCUT RESEARCH ASSOCIATES	Ohio	USAF	RDTE/Other Defense-Exploratory Development		219
	METRICA INC	Texas	USAF	RDTE/Other Defense-Exploratory Development		310
	METROLASER	California	ARMY	RDTE/Other Defense-Exploratory Development		250
	METRON INC	Virginia	NAVY	RDTE/Other Defense-Exploratory Development		2,752
	METSAT INC	Colorado	ARMY	RDTE/Other Defense-Exploratory Development		177
	MIAMI VALLEY RESEARCH INST	Ohio	USAF	RDTE/Other Defense-Exploratory Development		560
	MICHIGAN STATE UNIVERSITY	Michigan	USAF	RDTE/Other Defense-Exploratory Development		78
	MICRACOR INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		298
	MICRILOR INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		69
	MICRO ANALYSIS AND DESIGN INC	Colorado	ARMY	RDTE/Other Defense-Exploratory Development		415
	MICROLECTRONICS CMPT TECH CORP	Texas	ARMY	RDTE/Other Defense-Exploratory Development		804
	MICROSENSOR SYSTEMS, INC.	Kentucky	ARMY	RDTE/Other Defense-Exploratory Development		150
	MICROWAVE MONOLITHICS INC	California	ARMY	RDTE/Other Defense-Exploratory Development		49
	MIDWEST SYSTEMS RESEARCH INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development		852
	MILLIMETER WAVE TECHNOLOGY	Georgia	ARMY	RDTE/Other Defense-Exploratory Development		50
	MIRAGE SYSTEMS	California	ARMY	RDTE/Other Defense-Exploratory Development		398
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		14,211

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
		Colorado	ARMY	RDTE/Other Defense-Exploratory Development	$	1,974
		New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		1,004
	CONTRACTOR TOTAL					17,189
	MO SCI CORP	Missouri	ARMY	RDTE/Other Defense-Exploratory Development		51
	MODELL DEVELOPMENT CORPORATION	Mass	ARMY	RDTE/Other Defense-Exploratory Development		242
	MOLECULAR DEVICES CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		939
	MOLECULAR PROBES INC	Oregon	ARMY	RDTE/Other Defense-Exploratory Development		50
	MOLECULAR TECHNOLOGIES INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		245
	MOLTECH CORPORATON	New York	ARMY	RDTE/Other Defense-Exploratory Development		100
	MOLZEN-CORBIN & ASSOCIATES PA	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		295
	MORGAN RESEARCH CORPORATION	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		1,455
	MORGAN STATE UNIVERSITY	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		50
	MRV COMMUNICATION INC	California	NAVY	RDTE/Other Defense-Exploratory Development		345
	MSNW INC	California	USAF	RDTE/Other Defense-Exploratory Development		91
	MTA INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development		201
	N S IGOWADIA INC	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		49
	NANOSTRUCTURES INC	California	ARMY	RDTE/Other Defense-Exploratory Development		247
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/Other Defense-Exploratory Development		1,388
	NATIONAL SEC PLG ASSOC INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		990
	NATIONAL SECURITY PLANNING ASS	Mass	ARMY	RDTE/Other Defense-Exploratory Development		685
	NAVSYS CORPORATION	Colorado	ARMY	RDTE/Other Defense-Exploratory Development		50
	NCEE	New York	USAF	RDTE/Other Defense-Exploratory Development		40
	NETROLOGIC INC	California	ARMY	RDTE/Other Defense-Exploratory Development		97
	NETWORK DYNAMICS INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	NETWORK FIELD SVCS	Indiana	NAVY	RDTE/Other Defense-Exploratory Development	$ 29
	NEURODYNE INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	55
	NEW ENGLAND RESEARCH INC	Vermont	USAF	RDTE/Other Defense-Exploratory Development	80
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	85
	NEW TECHNOLOGY INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	25-
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	25,247
			USAF	RDTE/Other Defense-Exploratory Development	653
		STATE TOTAL			25,900
		Michigan	USAF	RDTE/Other Defense-Exploratory Development	135
		Ohio	USAF	RDTE/Other Defense-Exploratory Development	200
	CONTRACTOR TOTAL				26,235
	NIELSEN ENGINEERING & RES	California	ARMY	RDTE/Other Defense-Exploratory Development	67
	NONLINEAR PRODUCTION SYSTEMS	Oregon	ARMY	RDTE/Other Defense-Exploratory Development	56
	NORDEN SYSTEMS INC	Conn	ARMY	RDTE/Other Defense-Exploratory Development	442
			USAF	RDTE/Other Defense-Exploratory Development	313
		STATE TOTAL			754
	NORTH CAROLINA A&T STATE UNIV	N Carolina	USAF	RDTE/Other Defense-Exploratory Development	125
	NORTH CAROLINA STATE UNIV	N Carolina	NAVY	RDTE/Other Defense-Exploratory Development	238
			USAF	RDTE/Other Defense-Exploratory Development	85
		STATE TOTAL			323
	NORTH STAR RESEARCH CORP	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	50
	NORTHEASTERN UNIVERSITY CORP	Mass	USAF	RDTE/Other Defense-Exploratory Development	37
	NORTHROP CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	2,403
			USAF	RDTE/Other Defense-Exploratory Development	958
		STATE TOTAL			3,361
		Illinois	USAF	RDTE/Other Defense-Exploratory Development	343

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	CONTRACTOR TOTAL				$ 3,704
	NORTHWESTERN UNIVERSITY	Illinois	USAF	RDTE/Other Defense-Exploratory Development	699
	NOVEX CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	OASIS RESEARCH CENTER INC	Arizona	ARMY	RDTE/Other Defense-Exploratory Development	100
	ODETICS INC	California	USAF	RDTE/Other Defense-Exploratory Development	49
	ODYSSEY CONTRACTING COMPANY	New York	USAF	RDTE/Other Defense-Exploratory Development	639
	ODYSSEY RESEARCH ASSOCIATES	New York	USAF	RDTE/Other Defense-Exploratory Development	171
	OHIO STATE UNIVERSITY	Ohio	ARMY	RDTE/Other Defense-Exploratory Development	70
			USAF	RDTE/Other Defense-Exploratory Development	106
		STATE TOTAL			176
	OKLAHOMA STATE UNIVERSITY	Oklahoma	USAF	RDTE/Other Defense-Exploratory Development	1,000
	OMNI VIEW INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development	55
	ONEIDA RESOURCES INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development	302
	ONYX SCIENCES CORP	Mass	ARMY	RDTE/Other Defense-Exploratory Development	50
	OPTELECOM INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	777
	OPTICAL E T C INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	98
	OPTICAL SHIELDS LIMITED	California	ARMY	RDTE/Other Defense-Exploratory Development	204
	OPTICOMP CORPORATION	Nevada	USAF	RDTE/Other Defense-Exploratory Development	129
	OPTIMAL ANALYSIS CO INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	50
	OPTIMETRICS INC	Michigan	ARMY	RDTE/Other Defense-Exploratory Development	408
	OPTIVISION INC	California	ARMY	RDTE/Other Defense-Exploratory Development	309
			USAF	RDTE/Other Defense-Exploratory Development	150
		STATE TOTAL			459
	OPTO ELECTRIC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	49
	OPTRON SYSTEMS INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	99

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	ORBITAL RESEARCH INC	Ohio	ARMY	RDTE/Other Defense-Exploratory Development	$ 100
	ORBITAL SCIENCES CORPORATION	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	5,005
	ORGANIZATIONAL RESCH & DEVEL	Georgia	USAF	RDTE/Other Defense-Exploratory Development	73
	ORINCON CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	99
	ORION INTERNATIONAL TECH	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	155
	PACER SYSTEMS INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	132
		Penn	NAVY	RDTE/Other Defense-Exploratory Development	2,353
	CONTRACTOR TOTAL				2,485
	PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	1,749
			NAVY	RDTE/Other Defense-Exploratory Development	672
	STATE TOTAL				2,421
	PACIFICA TECHNOLOGY	California	ARMY	RDTE/Other Defense-Exploratory Development	92
	PAI CORPORATION	Nevada	ARMY	RDTE/Other Defense-Exploratory Development	300
	PAM RESEARCH COMPANY	Florida	ARMY	RDTE/Other Defense-Exploratory Development	63
	PANASONIC OR MATSUSHITA ELEC C	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	196
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/Other Defense-Exploratory Development	767
	PARAMAX SYSTEMS CORP	Minnesota	USAF	RDTE/Other Defense-Exploratory Development	49-
		Virginia	NAVY	RDTE/Other Defense-Exploratory Development	30
	CONTRACTOR TOTAL				20-
	PARTICLE TECHNOLOGY INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	100
	PDA ENGINEERING	California	ARMY	RDTE/Other Defense-Exploratory Development	425
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	30
	CONTRACTOR TOTAL				455
	PDF SOLUTIONS	Penn	ARMY	RDTE/Other Defense-Exploratory Development	98

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	PENETRADAR CORPORATION	New York	ARMY	RDTE/Other Defense-Exploratory Development	$ 46
	PENNSYLVANIA STATE UNIVERSITY	Penn	USAF	RDTE/Other Defense-Exploratory Development	112
	PERCEPTRONICS INC	California	ARMY	RDTE/Other Defense-Exploratory Development	950
	PERFECT OPTICS INC	Michigan	ARMY	RDTE/Other Defense-Exploratory Development	55
	PETERSON RESEARCH AND DESIGN	Mass	ARMY	RDTE/Other Defense-Exploratory Development	85
	PHOENIX CHEMICAL LABORATORY	Illinois	USAF	RDTE/Other Defense-Exploratory Development	80
	PHOTO METRIC INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	141
	PHOTONICS RESEARCH INC	Colorado	USAF	RDTE/Other Defense-Exploratory Development	100
	PHOTONICS SYSTEMS INC	Ohio	ARMY	RDTE/Other Defense-Exploratory Development	4,324
	PHYSICAL OPTICS CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	397
	PHYSICAL RESEARCH INC	California	ARMY	RDTE/Other Defense-Exploratory Development	97
	PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	545
			NAVY	RDTE/Other Defense-Exploratory Development	225
	STATE TOTAL				770
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/Other Defense-Exploratory Development	14,916
	PHYSITRON INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	501
	PIERCE JOHN B FOUNDATION LAB	Conn	USAF	RDTE/Other Defense-Exploratory Development	323
	PINNACLE RESEARCH INSTITUTE	California	ARMY	RDTE/Other Defense-Exploratory Development	600
	PLANAR SYSTEMS INC	Oregon	ARMY	RDTE/Other Defense-Exploratory Development	5,722
	PLANNING SYSTEMS INCORPORATED	D.C.	NAVY	RDTE/Other Defense-Exploratory Development	438
		Virginia	NAVY	RDTE/Other Defense-Exploratory Development	115
	CONTRACTOR TOTAL				553
	PLASMACO INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	398
	PLASTIC CAPACITORS INC	Louisiana	NAVY	RDTE/Other Defense-Exploratory Development	326

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	PLG INC	California	ARMY	RDTE/Other Defense-Exploratory Development	$ 400
	POLYTECHNIC UNIVERSITY	New York	ARMY	RDTE/Other Defense-Exploratory Development	400
	POTOMAC PHOTONICS INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	50
	PRC INC	Virginia	USAF	RDTE/Other Defense-Exploratory Development	716
	PROCESS ANALYSTS INC	Colorado	ARMY	RDTE/Other Defense-Exploratory Development	263
	PROFESSIONAL AND SCIENTIFIC AS	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	308
	PROMETHEUS INC	Rhode Isld	ARMY	RDTE/Other Defense-Exploratory Development	117
	PROTOTYPE SIMULATIONS	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	PULSE SCIENCES INC	California	ARMY	RDTE/Other Defense-Exploratory Development	559
	PYMATUNING GROUP INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	167
	Q DOT INC	Colorado	ARMY	RDTE/Other Defense-Exploratory Development	148
	QUAD DESIGN TECHNOLOGY	California	NAVY	RDTE/Other Defense-Exploratory Development	79
	QUALCOMM INC	California	ARMY	RDTE/Other Defense-Exploratory Development	687
	QUALITY ELEVATOR SERVICE	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	740
	QUALITY RESEARCH DEVELOPMENT A	Miss	ARMY	RDTE/Other Defense-Exploratory Development	55
	QUANTUM ADVANCED TECHNOLOGY IN	Illinois	ARMY	RDTE/Other Defense-Exploratory Development	50
	QUANTUM CONTROLS	Texas	ARMY	RDTE/Other Defense-Exploratory Development	50
	QUATRO CORPORATION	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	50
	QUEST INTEGRATED INC	Washington	ARMY	RDTE/Other Defense-Exploratory Development	47
			USAF	RDTE/Other Defense-Exploratory Development	213
		STATE TOTAL			260
	QUESTECH INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development	304
		Virginia	NAVY	RDTE/Other Defense-Exploratory Development	2,341
	CONTRACTOR TOTAL				2,645

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	R & D ASSOCIATES	California	ARMY	RDTE/Other Defense-Exploratory Development	$ 20,782
		Virginia	NAVY	RDTE/Other Defense-Exploratory Development	67
		BELGIUM	ARMY	RDTE/Other Defense-Exploratory Development	1,938
		GERMANY	ARMY	RDTE/Other Defense-Exploratory Development	123
	CONTRACTOR TOTAL				22,909
	RACAL COMMUNICATIONS INC	Maryland	NAVY	RDTE/Other Defense-Exploratory Development	86
	RADCLIFF USA LTD INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	47
	RADCON	California	ARMY	RDTE/Other Defense-Exploratory Development	68
	RADIANT TECHNOLOGIES INC	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	200
	RADIX SYSTEMS INC	Maryland	USAF	RDTE/Other Defense-Exploratory Development	81
	RAYTHEON COMPANY	Mass	ARMY	RDTE/Other Defense-Exploratory Development	33,340
			NAVY	RDTE/Other Defense-Exploratory Development	356
			USAF	RDTE/Other Defense-Exploratory Development	917
		STATE TOTAL			34,613
		EGYPT	ARMY	RDTE/Other Defense-Exploratory Development	181
	CONTRACTOR TOTAL				34,794
	RAYTHEON SERVICE COMPANY	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	5,836
	RE & SPEC INC	S Dakota	ARMY	RDTE/Other Defense-Exploratory Development	250
	RECOGNITION TECHNOLOGY INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	249
	RECON OPTICAL INC	Illinois	ARMY	RDTE/Other Defense-Exploratory Development	131
	REDWOOD MICROSYSTEM INC	California	ARMY	RDTE/Other Defense-Exploratory Development	70
	REKENTHALER TECHNOLOGY ASSOC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	49
	REMCO HYDRAULICS INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	49
	RENSSELAER POLYTECHNIC INST	New York	ARMY	RDTE/Other Defense-Exploratory Development	150
			USAF	RDTE/Other Defense-Exploratory Development	448
		STATE TOTAL			598

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/Other Defense-Exploratory Development	$	50
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/Other Defense-Exploratory Development		283
	RESOURCE ENGRG & PLANNING	Texas	ARMY	RDTE/Other Defense-Exploratory Development		139
	REUSE INCORPORATED	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		50
	REVEO INC	New York	ARMY	RDTE/Other Defense-Exploratory Development		50
	RICARDO ENGINEERING LIMITED	UNITED KIN	ARMY	RDTE/Other Defense-Exploratory Development		70
	ROCHESTER INST OF TECHNOLOGY	New York	USAF	RDTE/Other Defense-Exploratory Development		30
	ROCKET RESEARCH CO	Washington	ARMY	RDTE/Other Defense-Exploratory Development		531
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/Other Defense-Exploratory Development		2,106
			USAF	RDTE/Other Defense-Exploratory Development		2,215
		STATE TOTAL				4,321
		Georgia	ARMY	RDTE/Other Defense-Exploratory Development		35,726
		Texas	NAVY	RDTE/Other Defense-Exploratory Development		344
	CONTRACTOR TOTAL					40,391
	ROCKWELL POWER SYSTEMS	Hawaii	USAF	RDTE/Other Defense-Exploratory Development		1,771
	ROHR INC	California	USAF	RDTE/Other Defense-Exploratory Development		40
	ROLLS-ROYCE INC	Georgia	USAF	RDTE/Other Defense-Exploratory Development		50
	RONSON MANAGEMENT CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		36
	ROOS INSTRUMENTS	California	ARMY	RDTE/Other Defense-Exploratory Development		42
	ROTHE DEVELOPMENTS INC	Texas	USAF	RDTE/Other Defense-Exploratory Development		1,400
	RUPPRECHT & PATASHNICK CO INC	New York	ARMY	RDTE/Other Defense-Exploratory Development		125
	RUST COLLEGE	Miss	USAF	RDTE/Other Defense-Exploratory Development		182
	RUTGERS THE STATE UNIVERSITY	New Jersey	NAVY	RDTE/Other Defense-Exploratory Development		50
			USAF	RDTE/Other Defense-Exploratory Development		483
		STATE TOTAL				533
	RUTSTEIN ALEX & ASSOCIATES	Ohio	ARMY	RDTE/Other Defense-Exploratory Development		50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	S C S TELECOM INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	$ 101
	S D-SCICON PLC	California	ARMY	RDTE/Other Defense-Exploratory Development	53
	S F A INC	D.C.	NAVY	RDTE/Other Defense-Exploratory Development	1,491
		Maryland	ARMY	RDTE/Other Defense-Exploratory Development	93
			NAVY	RDTE/Other Defense-Exploratory Development	655
		STATE TOTAL			748
		Penn	NAVY	RDTE/Other Defense-Exploratory Development	62
	CONTRACTOR TOTAL				2,301
	S K W CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	133
	S S G INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	201
	SABBAGH ASSOCIATES INC	Indiana	ARMY	RDTE/Other Defense-Exploratory Development	52
	SAPHIKON INC	N.H.	USAF	RDTE/Other Defense-Exploratory Development	165
	SATCON TECHNOLOGY CORPORATION	Mass	ARMY	RDTE/Other Defense-Exploratory Development	48
	SCHAFER W J ASSOCIATES INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	429
			NAVY	RDTE/Other Defense-Exploratory Development	76
		STATE TOTAL			505
	SCHMIDT INSTRUMENTS	Texas	ARMY	RDTE/Other Defense-Exploratory Development	103
	SCHWARTZ ELECTRO-OPTICS INC	Florida	ARMY	RDTE/Other Defense-Exploratory Development	400
	SCI TECH	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	786
	SCIENCE & ENGINEERING ASSOC	Colorado	ARMY	RDTE/Other Defense-Exploratory Development	100
		New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	689
	CONTRACTOR TOTAL				789
	SCIENCE & TECHNOLOGY CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	1,329
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	980
		California	ARMY	RDTE/Other Defense-Exploratory Development	30,801

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Operations and Reports

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			NAVY	RDTE/Other Defense-Exploratory Development	$ 30
		STATE TOTAL			30,831
		D.C.	NAVY	RDTE/Other Defense-Exploratory Development	109
		Nevada	ARMY	RDTE/Other Defense-Exploratory Development	703
		New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	2,226
		Ohio	USAF	RDTE/Other Defense-Exploratory Development	1,638
		Penn	ARMY	RDTE/Other Defense-Exploratory Development	350
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	17,927
			NAVY	RDTE/Other Defense-Exploratory Development	59
			USAF	RDTE/Other Defense-Exploratory Development	964
		STATE TOTAL			18,949
	CONTRACTOR TOTAL				55,786
	SCIENCE HORIZONS INC	California	ARMY	RDTE/Other Defense-Exploratory Development	897
	SCIENCE RESEARCH LABORATORY	Mass	ARMY	RDTE/Other Defense-Exploratory Development	1,529
	SCIENTIFIC APLICAT RES ASSOC	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	SCIENTIFIC BALLOON SYS	Florida	NAVY	RDTE/Other Defense-Exploratory Development	37
	SCIENTIFIC STUDIES	Florida	USAF	RDTE/Other Defense-Exploratory Development	90
	SCIENTIFIC SYSTEMS INC	Mass	ARMY	RDTE/Other Defense-Exploratory Development	118
	SEARCH TECHNOLOGY INC	Georgia	USAF	RDTE/Other Defense-Exploratory Development	164
	SECURITY BUILDINGS INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	44
	SEGUE CORP	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	50
	SELECT SYSTEMS ANALYSIS	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	SENSIS CORPORATION	New York	USAF	RDTE/Other Defense-Exploratory Development	788
	SENSORS UNLIMITED INC	New Jersey	ARMY	RDTE/Other Defense-Exploratory Development	50
	SEPARATION SYSTEMS TECH INC	California	ARMY	RDTE/Other Defense-Exploratory Development	85

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	SESCO CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	$ 49
	SETS TECHNOLOGY INC	Hawaii	ARMY	RDTE/Other Defense-Exploratory Development	176
	SIERRACIN CORPORATION	California	USAF	RDTE/Other Defense-Exploratory Development	65-
	SIGMA DYNAMICS CORP	Penn	ARMY	RDTE/Other Defense-Exploratory Development	50
	SIGNAL CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	607
	SIGNAL PROCESSING TECHNOLOGY	California	ARMY	RDTE/Other Defense-Exploratory Development	314
	SILICON DESIGNS INC	Washington	ARMY	RDTE/Other Defense-Exploratory Development	151
	SIMULATION & SOFTWARE ENG	Virginia	NAVY	RDTE/Other Defense-Exploratory Development	48
	SIMULATION TECHNOLOGIES	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	1,094
	SOCIETY OF AUTO ENGINEERS	Penn	USAF	RDTE/Other Defense-Exploratory Development	90
	SOFTWARE A AND E	Virginia	NAVY	RDTE/Other Defense-Exploratory Development	202
	SOFTWARE ARCHITECTURE & ENGRG	Virginia	NAVY	RDTE/Other Defense-Exploratory Development	150
	SOFTWARE ENGINEERING & TECHN	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	50
	SOFTWARE OPTIONS INC	Mass	USAF	RDTE/Other Defense-Exploratory Development	210
	SOFTWARE PRDUCTIVITY SOLUTIONS	Florida	ARMY	RDTE/Other Defense-Exploratory Development	52
			USAF	RDTE/Other Defense-Exploratory Development	501
	STATE TOTAL				553
	SOHAR INCORPORATED	California	USAF	RDTE/Other Defense-Exploratory Development	55
	SOL TELECOMMUNICATION SERVICE	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	600
	SONALYSTS INC	Conn	NAVY	RDTE/Other Defense-Exploratory Development	2,000
		D.C.	NAVY	RDTE/Other Defense-Exploratory Development	131
	CONTRACTOR TOTAL				2,131
	SONETECH CORPORATION	N.H.	USAF	RDTE/Other Defense-Exploratory Development	152
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/Other Defense-Exploratory Development	919

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		Ohio	USAF	RDTE/Other Defense-Exploratory Development	$ 277
	CONTRACTOR TOTAL				1,196
	SOUTHERN METHODIST UNIVERSITY	Texas	ARMY	RDTE/Other Defense-Exploratory Development	1,003
			USAF	RDTE/Other Defense-Exploratory Development	265
		STATE TOTAL			1,268
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	1,048
	SOUTHERN RESEARCH TECHNOLOGIES	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	480
	SOUTHERN UNIV AG MECH COLLEGE	Louisiana	USAF	RDTE/Other Defense-Exploratory Development	108
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/Other Defense-Exploratory Development	371
			USAF	RDTE/Other Defense-Exploratory Development	414
		STATE TOTAL			785
	SOUTHWESTERN OH CNCL	Ohio	USAF	RDTE/Other Defense-Exploratory Development	517
	SPACE COMPUTER CORP	California	NAVY	RDTE/Other Defense-Exploratory Development	140
	SPACEBORNE INC	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	SPARTA INC	California	ARMY	RDTE/Other Defense-Exploratory Development	54
			USAF	RDTE/Other Defense-Exploratory Development	105
		STATE TOTAL			158
	SPECTRA DIODE LABORATORIES	California	ARMY	RDTE/Other Defense-Exploratory Development	259
	SPECTRA SYSTEMS INC	Ohio	ARMY	RDTE/Other Defense-Exploratory Development	94
	SPECTRA TECHNOLOGY INC	Washington	ARMY	RDTE/Other Defense-Exploratory Development	299
			USAF	RDTE/Other Defense-Exploratory Development	71
		STATE TOTAL			371
	SPECTROLAB INC	California	USAF	RDTE/Other Defense-Exploratory Development	70
	SPIRE CORPORATION	Mass	ARMY	RDTE/Other Defense-Exploratory Development	97
	SRI INTERNATIONAL	California	ARMY	RDTE/Other Defense-Exploratory Development	6,747
			NAVY	RDTE/Other Defense-Exploratory Development	190

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			USAF	RDTE/Other Defense-Exploratory Development	$ 3,398
		STATE TOTAL			10,336
		New York	USAF	RDTE/Other Defense-Exploratory Development	108
		Ohio	USAF	RDTE/Other Defense-Exploratory Development	30
	CONTRACTOR TOTAL				10,474
	SRS TECHNOLOGIES	California	ARMY	RDTE/Other Defense-Exploratory Development	280
	STANDISH INDUSTRIES INC	Wisconsin	ARMY	RDTE/Other Defense-Exploratory Development	2,238
	STANFORD TELECOMMUNICATIONS	Virginia	USAF	RDTE/Other Defense-Exploratory Development	46
	STANFORD UNIVERSITY	California	NAVY	RDTE/Other Defense-Exploratory Development	34-
			USAF	RDTE/Other Defense-Exploratory Development	423
		STATE TOTAL			390
	STATE UNIV OF NY STONY BROOK	New York	ARMY	RDTE/Other Defense-Exploratory Development	50
	STEVENS INSTITUTE OF TECH	New Jersey	USAF	RDTE/Other Defense-Exploratory Development	99
	STRAINOPTIC TECHNOLOGIES INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development	240
	STRATEGIC ANALYSIS INC	Virginia	NAVY	RDTE/Other Defense-Exploratory Development	726
	STRATEGIC FRAMEWORKS INC	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	STRATEGIC PLANNING INTERNATION	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	'00
	SUB MICRON TECHNOLOGY CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	SUMBERG DAVID	New York	USAF	RDTE/Other Defense-Exploratory Development	50
	SUNDSTRAND CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	1,135
			USAF	RDTE/Other Defense-Exploratory Development	98
		STATE TOTAL			1,233
		Illinois	USAF	RDTE/Other Defense-Exploratory Development	394
	CONTRACTOR TOTAL				1,627
	SVERDRUP CORPORATION	Ohio	USAF	RDTE/Other Defense-Exploratory Development	128

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	SWERLING MANASSE & SMITH INC	California	ARMY	RDTE/Other Defense-Exploratory Development	$ 185
	SYMETRIX CORPORATION	Colorado	ARMY	RDTE/Other Defense-Exploratory Development	227
	SYNECTICS CORP	Virginia	USAF	RDTE/Other Defense-Exploratory Development	80
	SYNERTECH ASSOCIATES INC	Virginia	NAVY	RDTE/Other Defense-Exploratory Development	1,343
	SYRACUSE RESEARCH CORP	New York	USAF	RDTE/Other Defense-Exploratory Development	3,076
	SYRACUSE UNIVERSITY	New York	ARMY	RDTE/Other Defense-Exploratory Development	40
			USAF	RDTE/Other Defense-Exploratory Development	133
		STATE TOTAL			173
	SYSCON CORPORATION	D.C.	NAVY	RDTE/Other Defense-Exploratory Development	83
	SYSTEM DYNAMICS INTERNATIONAL	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	8,179
		Florida	ARMY	RDTE/Other Defense-Exploratory Development	236
	CONTRACTOR TOTAL				8,415
	SYSTEM ENGINEERING & DEV CORP	Maryland	USAF	RDTE/Other Defense-Exploratory Development	200
	SYSTEM PLANNING CORPORATION	Maryland	NAVY	RDTE/Other Defense-Exploratory Development	97
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development	3,088
			NAVY	RDTE/Other Defense-Exploratory Development	138
		STATE TOTAL			3,226
	CONTRACTOR TOTAL				3,323
	SYSTEM TECHNOLOGIES INC	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	95
	SYSTEMS & PROCESSES ENGRG CORP	Texas	ARMY	RDTE/Other Defense-Exploratory Development	100
	SYSTEMS & TECHNOLOGY RESEARCH	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	244
	SYSTEMS CONTROL TECHNOLOGY	California	USAF	RDTE/Other Defense-Exploratory Development	283
	SYSTEMS ENGINEERING ASSOCIATES	California	USAF	RDTE/Other Defense-Exploratory Development	225
	SYSTEMS ENGINEERING SUPPORT CO	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	397
	SYSTEMS INTEGRATION INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	286

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	SYSTEMS RES APPLICATIONS CORP	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	$	560
			USAF	RDTE/Other Defense-Exploratory Development		223
		STATE TOTAL				783
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/Other Defense-Exploratory Development		7,093
		Texas	USAF	RDTE/Other Defense-Exploratory Development		997
	CONTRACTOR TOTAL					8,090
	SYSTEMS TECHNOLOGY INC	California	ARMY	RDTE/Other Defense-Exploratory Development		50
			USAF	RDTE/Other Defense-Exploratory Development		216
		STATE TOTAL				266
	SYSTRAN CORP	Ohio	USAF	RDTE/Other Defense-Exploratory Development		1,350
	T S C INC	California	USAF	RDTE/Other Defense-Exploratory Development		363
	TACAN CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		304
			NAVY	RDTE/Other Defense-Exploratory Development		250
			USAF	RDTE/Other Defense-Exploratory Development		100
		STATE TOTAL				654
	TALLEY INDUSTRIES INC	Arizona	ARMY	RDTE/Other Defense-Exploratory Development		1,331
	TANNER RESEARCH INC	California	ARMY	RDTE/Other Defense-Exploratory Development		54
	TASC	Mass	ARMY	RDTE/Other Defense-Exploratory Development		1,605
			USAF	RDTE/Other Defense-Exploratory Development		811
		STATE TOTAL				2,416
		Ohio	USAF	RDTE/Other Defense-Exploratory Development		470
		Virginia	ARMY	RDTE/Other Defense-Exploratory Development		588
	CONTRACTOR TOTAL					3,474
	TDA RESEARCH INC	Penn	ARMY	RDTE/Other Defense-Exploratory Development		250
	TECH REPS INCORPORATED	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		542
	TECHNICAL DIRECTIONS INC	Michigan	ARMY	RDTE/Other Defense-Exploratory Development		671

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	TECHNICAL IMAGING SERVICES	New Jersey	USAF	RDTE/Other Defense-Exploratory Development	$ 150
	TECHNICAL RESEARCH ASSOCIATES	California	ARMY	RDTE/Other Defense-Exploratory Development	400
	TECHNOLOGY DEVELOPMENT CORP	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	154
	TECHNOLOGY INTERNATIONAL CORP	Mass	ARMY	RDTE/Other Defense-Exploratory Development	44
	TECHNOLOGY INTGRTN DEV GROUP	Mass	ARMY	RDTE/Other Defense-Exploratory Development	49
	TECHNOLOGY LAB	Penn	NAVY	RDTE/Other Defense-Exploratory Development	97
	TECHNOLOGY SYSTEMS INC	Maine	ARMY	RDTE/Other Defense-Exploratory Development	54
	TECOLOTE RESEARCH INC	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	TEKTRONIX INC	Oregon	ARMY	RDTE/Other Defense-Exploratory Development	6,543
	TELEDYNE INC	California	ARMY	RDTE/Other Defense-Exploratory Development	762
	TELEDYNE INDUSTRIES INC	California	ARMY	RDTE/Other Defense-Exploratory Development	3,314
		Ohio	ARMY	RDTE/Other Defense-Exploratory Development	349
			USAF	RDTE/Other Defense-Exploratory Development	244
		STATE TOTAL			593
		Virginia	USAF	RDTE/Other Defense-Exploratory Development	375
	CONTRACTOR TOTAL				4,282
	TELEOS CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	385
	TERA RESEARCH INC	California	ARMY	RDTE/Other Defense-Exploratory Development	48
	TERRA TEK INC	Utah	ARMY	RDTE/Other Defense-Exploratory Development	988
	TETRA CORPORATION	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	453
	TEXAS A & M RESEARCH FDN	Texas	ARMY	RDTE/Other Defense-Exploratory Development	119
			NAVY	RDTE/Other Defense-Exploratory Development	80
		STATE TOTAL			199
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Other Defense-Exploratory Development	6,066
			NAVY	RDTE/Other Defense-Exploratory Development	4,736

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			USAF	RDTE/Other Defense-Exploratory Development	$ 4,313
		STATE TOTAL			15,114
	TEXAS RESEARCH INTERNATIONAL	Florida	NAVY	RDTE/Other Defense-Exploratory Development	396
	TEXAS TECH UNIVERSITY	Texas	ARMY	RDTE/Other Defense-Exploratory Development	710
	TEXTRON INC	New York	ARMY	RDTE/Other Defense-Exploratory Development	772
	THERMOTREX CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	278
			NAVY	RDTE/Other Defense-Exploratory Development	99
		STATE TOTAL			378
	THINKING MACHINES CORPORATION	Mass	ARMY	RDTE/Other Defense-Exploratory Development	4,500
	THIOKOL CORPORATION	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	670
		Utah	ARMY	RDTE/Other Defense-Exploratory Development	150
	CONTRACTOR TOTAL				820
	TINI ALLOY COMPANY	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	TITAN CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	1,402
	TMA/EBERLINE	U.S. Minor	ARMY	RDTE/Other Defense-Exploratory Development	2,215
	TORRANCE ADVANCED METALS CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	4,120
	TORREY SCIENCE AND TECHNOLOGY	California	ARMY	RDTE/Other Defense-Exploratory Development	50
	TORRINGTON COMPANY THE	Conn	USAF	RDTE/Other Defense-Exploratory Development	555
	TOYON RESEARCH CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	1,533
	TPL COMMUNICATIONS	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	250
	TRACOR AEROSPACE INC	Texas	NAVY	RDTE/Other Defense-Exploratory Development	60
			USAF	RDTE/Other Defense-Exploratory Development	115
		STATE TOTAL			175
		Utah	USAF	RDTE/Other Defense-Exploratory Development	50
	CONTRACTOR TOTAL				225

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/Other Defense-Exploratory Development	$	253
	TRANS SCIENCE CORP	California	ARMY	RDTE/Other Defense-Exploratory Development		527
	TRANS-SCIENCE CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development		100
			NAVY	RDTE/Other Defense-Exploratory Development		202
		STATE TOTAL				302
	TRANSDUCER RESEARCH INC	Illinois	ARMY	RDTE/Other Defense-Exploratory Development		229
	TRICOR SYSTEMS INC	Illinois	ARMY	RDTE/Other Defense-Exploratory Development		80
	TRIDENT SYSTEMS INC	Virginia	NAVY	RDTE/Other Defense-Exploratory Development		164
	TRIFID CORPORATION	Missouri	ARMY	RDTE/Other Defense-Exploratory Development		253
	TRIQUINT SEMICONDUCTOR INC	Oregon	USAF	RDTE/Other Defense-Exploratory Development		1,527
	TRUAX ENGINEERING	California	NAVY	RDTE/Other Defense-Exploratory Development		151
	TRUSTED INFORMATION SYSTEMS	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		2,318
			NAVY	RDTE/Other Defense-Exploratory Development		99
			USAF	RDTE/Other Defense-Exploratory Development		1,532
		STATE TOTAL				3,949
	TRUSTEES COLUMBIA UNIV	New York	ARMY	RDTE/Other Defense-Exploratory Development		1,068
			USAF	RDTE/Other Defense-Exploratory Development		135
		STATE TOTAL				1,203
	TRW INC	California	ARMY	RDTE/Other Defense-Exploratory Development		8,222
			NAVY	RDTE/Other Defense-Exploratory Development		394
			USAF	RDTE/Other Defense-Exploratory Development		1,632
		STATE TOTAL				10,248
	TTL TECHNIQUES	Penn	ARMY	RDTE/Other Defense-Exploratory Development		300
	TUFTS UNIVERSITY	Mass	USAF	RDTE/Other Defense-Exploratory Development		45
	U B C INC	Florida	ARMY	RDTE/Other Defense-Exploratory Development		50
	U S COMPOSITES CORP	New York	ARMY	RDTE/Other Defense-Exploratory Development		50
	U S FOOD & DRUG ADMINISTRATION	Maryland	NAVY	RDTE/Other Defense-Exploratory Development		290
	UES INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development		4,441

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	ULTRAMET	California	ARMY	RDTE/Other Defense-Exploratory Development	$ 249
	ULTRASYSTEMS WESTERN CONSTRS	California	USAF	RDTE/Other Defense-Exploratory Development	135-
	UNIAX CORPORATION	California	ARMY	RDTE/Other Defense-Exploratory Development	55
	UNIQUE ELECTRONICS INC	Florida	ARMY	RDTE/Other Defense-Exploratory Development	49
	UNISTRY ASSOCIATES	Penn	ARMY	RDTE/Other Defense-Exploratory Development	50
	UNITED INTERNATIONAL ENGRG	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	1,702
	UNITED KINGDOM MINISTRY OF DEF	UNITED KIN	ARMY	RDTE/Other Defense-Exploratory Development	300
	UNITED SEAL & RUBBER CO INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	1,610
	UNITED SIGNALS & SYSTEMS INC	California	ARMY	RDTE/Other Defense-Exploratory Development	49
	UNITED STATES DEPT OF ENERGY	New Mexico	NAVY	RDTE/Other Defense-Exploratory Development	100
	UNITED TECHNOLOGIES CORP	California	ARMY	RDTE/Other Defense-Exploratory Development	708
			USAF	RDTE/Other Defense-Exploratory Development	675
		STATE TOTAL			1,384
		Conn	NAVY	RDTE/Other Defense-Exploratory Development	300
			USAF	RDTE/Other Defense-Exploratory Development	1,196
		STATE TOTAL			1,496
		Florida	NAVY	RDTE/Other Defense-Exploratory Development	605
			USAF	RDTE/Other Defense-Exploratory Development	4,284
		STATE TOTAL			4,889
	CONTRACTOR TOTAL				7,768
	UNIV OF MARYLAND COLLEGE PARK	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	323
	UNIVERSAL ANALYTICS INC	California	USAF	RDTE/Other Defense-Exploratory Development	300
	UNIVERSAL SENSORS INC	Louisiana	ARMY	RDTE/Other Defense-Exploratory Development	100
	UNIVERSAL TECHNOLOGY CORP	Ohio	USAF	RDTE/Other Defense-Exploratory Development	2,032
	UNIVERSITY NC AT CHAPEL HILL	N Carolina	NAVY	RDTE/Other Defense-Exploratory Development	47

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			USAF	RDTE/Other Defense-Exploratory Development	$ 150
		STATE TOTAL			197
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	3,935
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/Other Defense-Exploratory Development	173
			USAF	RDTE/Other Defense-Exploratory Development	67
		STATE TOTAL			240
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/Other Defense-Exploratory Development	652
			NAVY	RDTE/Other Defense-Exploratory Development	2,323
			USAF	RDTE/Other Defense-Exploratory Development	851
		STATE TOTAL			3,826
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/Other Defense-Exploratory Development	210
	UNIVERSITY OF CHICAGO THE	Illinois	USAF	RDTE/Other Defense-Exploratory Development	355
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/Other Defense-Exploratory Development	100
	UNIVERSITY OF DAYTON	Arizona	USAF	RDTE/Other Defense-Exploratory Development	4,053
		Ohio	ARMY	RDTE/Other Defense-Exploratory Development	310
			USAF	RDTE/Other Defense-Exploratory Development	9,691
		STATE TOTAL			10,001
	CONTRACTOR TOTAL				14,053
	UNIVERSITY OF DELAWARE	Delaware	ARMY	RDTE/Other Defense-Exploratory Development	75
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/Other Defense-Exploratory Development	52
	UNIVERSITY OF HAWAII	Hawaii	NAVY	RDTE/Other Defense-Exploratory Development	114
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/Other Defense-Exploratory Development	282
	UNIVERSITY OF IOWA THE	Iowa	USAF	RDTE/Other Defense-Exploratory Development	51
	UNIVERSITY OF KANSAS	Kansas	USAF	RDTE/Other Defense-Exploratory Development	50
	UNIVERSITY OF KY RESCH FDTN	Kentucky	USAF	RDTE/Other Defense-Exploratory Development	205
	UNIVERSITY OF MARYLAND SYSTEM	Maryland	ARMY	RDTE/Other Defense-Exploratory Development	1,147

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			USAF	RDTE/Other Defense-Exploratory Development	$ 252
		STATE TOTAL			1,399
	UNIVERSITY OF MASSACHUSETTS	Mass	ARMY	RDTE/Other Defense-Exploratory Development	94
			USAF	RDTE/Other Defense-Exploratory Development	795
		STATE TOTAL			889
	UNIVERSITY OF MICHIGAN	Michigan	USAF	RDTE/Other Defense-Exploratory Development	361
	UNIVERSITY OF MINNESOTA	Minnesota	NAVY	RDTE/Other Defense-Exploratory Development	50
	UNIVERSITY OF NEW MEXICO	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development	669
	UNIVERSITY OF NORTH TEXAS	Texas	NAVY	RDTE/Other Defense-Exploratory Development	100
	UNIVERSITY OF NOTRE DAME	Indiana	USAF	RDTE/Other Defense-Exploratory Development	38
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/Other Defense-Exploratory Development	3,090
			USAF	RDTE/Other Defense-Exploratory Development	4,174
		STATE TOTAL			7,264
	UNIVERSITY OF TEXAS ARLINGTON	Texas	ARMY	RDTE/Other Defense-Exploratory Development	415
	UNIVERSITY OF TEXAS SAN ANTONI	Texas	ARMY	RDTE/Other Defense-Exploratory Development	35
	UNIVERSITY OF THE DST COLUMBIA	D.C.	ARMY	RDTE/Other Defense-Exploratory Development	64
	UNIVERSITY OF TORONTO	CANADA	USAF	RDTE/Other Defense-Exploratory Development	90
	UNIVERSITY OF VIRGINIA	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	100
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/Other Defense-Exploratory Development	335
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	USAF	RDTE/Other Defense-Exploratory Development	120
	UNIVERSITY SYSTEMS INC	California	ARMY	RDTE/Other Defense-Exploratory Development	66-
	USER TECHNOLOGY ASSOCIATES	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	963
	UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/Other Defense-Exploratory Development	1,325
	UTD INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development	1,298
	UTEK SYSTEMS INC	Illinois	ARMY	RDTE/Other Defense-Exploratory Development	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	UWOHALI INC	Alabama	ARMY	RDTE/Other Defense-Exploratory Development	$	1,209
		Georgia	ARMY	RDTE/Other Defense-Exploratory Development		104
	CONTRACTOR TOTAL					1,313
	VALLES DANIEL H & ASSOCIATES	New Mexico	ARMY	RDTE/Other Defense-Exploratory Development		50
	VAN EVERY & ASSOCIATES	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	VARI L COMPANY INC	D.C.	NAVY	RDTE/Other Defense-Exploratory Development		145
	VARIAN ASSOCIATES INC	California	USAF	RDTE/Other Defense-Exploratory Development		200
		Mass	USAF	RDTE/Other Defense-Exploratory Development		270
	CONTRACTOR TOTAL					470
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/Other Defense-Exploratory Development		323
	VECTOR RESEARCH INC	Maryland	NAVY	RDTE/Other Defense-Exploratory Development		52
	VEDA INCORPORATED	Ohio	USAF	RDTE/Other Defense-Exploratory Development		123
	VEDA INTERNATIONAL INC	Virginia	USAF	RDTE/Other Defense-Exploratory Development		221
	VENDELIN ENGINEERING INC	California	ARMY	RDTE/Other Defense-Exploratory Development		50
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/Other Defense-Exploratory Development		100
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		60
			NAVY	RDTE/Other Defense-Exploratory Development		247
		STATE TOTAL				307
	VIRTUAL IMAGE LABORATORIES, IN	Maryland	ARMY	RDTE/Other Defense-Exploratory Development		59
	VISIDYNE INC	California	ARMY	RDTE/Other Defense-Exploratory Development		2,322
	VOUGHT AIRCRAFT	Texas	ARMY	RDTE/Other Defense-Exploratory Development		198-
			USAF	RDTE/Other Defense-Exploratory Development		200
		STATE TOTAL				2
	VSE CORPORATION	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		129
	WACKENHUT CORPORATION	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		163

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	WAGNER DANIEL H ASSOCIATES	Penn	ARMY	RDTE/Other Defense-Exploratory Development	$	226
	WALCOFF & ASSOCIATES INC	Virginia	ARMY	RDTE/Other Defense-Exploratory Development		80
	WASHINGTON STATE UNIVERSITY	Washington	ARMY	RDTE/Other Defense-Exploratory Development		352
			USAF	RDTE/Other Defense-Exploratory Development		92
		STATE TOTAL				444
	WASHINGTON UNIVERSITY	Missouri	USAF	RDTE/Other Defense-Exploratory Development		220
	WEDEVEN ASSOCIATES INC	Penn	USAF	RDTE/Other Defense-Exploratory Development		250
	WEIDLINGER ASSOCIATES INC	California	ARMY	RDTE/Other Defense-Exploratory Development		882
		New York	ARMY	RDTE/Other Defense-Exploratory Development		2,417
	CONTRACTOR TOTAL					3,299
	WESTERN INSTRUMENT CORPORATION	California	NAVY	RDTE/Other Defense-Exploratory Development		2,116
	WESTINGHOUSE ELECTRIC CORP	California	ARMY	RDTE/Other Defense-Exploratory Development		1,649
		Maryland	ARMY	RDTE/Other Defense-Exploratory Development		79
			NAVY	RDTE/Other Defense-Exploratory Development		1 170
			USAF	RDTE/Other Defense-Exploratory Development		3,797
		STATE TOTAL				5,046
		Penn	ARMY	RDTE/Other Defense-Exploratory Development		150
			NAVY	RDTE/Other Defense-Exploratory Development		716
			USAF	RDTE/Other Defense-Exploratory Development		330
		STATE TOTAL				1,196
	CONTRACTOR TOTAL					7,891
	WGA	Virginia	NAVY	RDTE/Other Defense-Exploratory Development		343
	WILLIAMS INTERNATIONAL CORP	Michigan	ARMY	RDTE/Other Defense-Exploratory Development		543
			USAF	RDTE/Other Defense-Exploratory Development		643
		STATE TOTAL				1,186
	WOODS HOLE OCEANOGRAPHIC INST	Mass	NAVY	RDTE/Other Defense-Exploratory Development		540
	WOODWARD-CLYDE CONSULTANTS	California	USAF	RDTE/Other Defense-Exploratory Development		150

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	WOOLLAM J A CO	Nebraska	ARMY	RDTE/Other Defense-Exploratory Development	$	591
	WORCESTER POLYTECHNIC INSTITUT	Mass	USAF	RDTE/Other Defense-Exploratory Development		62
	WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/Other Defense-Exploratory Development		62
	XEMET INC	Washington	ARMY	RDTE/Other Defense-Exploratory Development		60
	XEROX CORP	California	ARMY	RDTE/Other Defense-Exploratory Development		8,923
		New York	ARMY	RDTE/Other Defense-Exploratory Development		474
	CONTRACTOR TOTAL					9,396
	XINOTECH RESEARCH INC	Minnesota	ARMY	RDTE/Other Defense-Exploratory Development		102
	YELLOWSTONE ENVMTL SCIENCE	Montana	ARMY	RDTE/Other Defense-Exploratory Development		50
	ZENITH ELECTRONICS CORPORATION	Illinois	ARMY	RDTE/Other Defense-Exploratory Development		2,000
	ZENON ENVIRONMENTAL INC	CANADA	ARMY	RDTE/Other Defense-Exploratory Development		85
	ZERNOW TECHNICAL SERVICES INC	California	ARMY	RDTE/Other Defense-Exploratory Development		212
	ZEXTRON INC	California	ARMY	RDTE/Other Defense-Exploratory Development		376
	ZYBRON INC	Ohio	USAF	RDTE/Other Defense-Exploratory Development		177
R&D TOTAL						1,343,877
AD93	3M	Minnesota	NAVY	RDTE/Other Defense-Advanced Development		220
	A A I CORPORATION	Maryland	ARMY	RDTE/Other Defense-Advanced Development		100
	ACCUDYNE CORP	Wisconsin	ARMY	RDTE/Other Defense-Advanced Development		210
	ACUREX CORPORATION	Ohio	USAF	RDTE/Other Defense-Advanced Development		2,264
	ADAPTIVE TECHNOLOGY INC	New York	USAF	RDTE/Other Defense-Advanced Development		100
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/Other Defense-Advanced Development		312
			USAF	RDTE/Other Defense-Advanced Development		600
		STATE TOTAL				913
	ADVANCED ENGINES DEVELOPMENT	Wisconsin	NAVY	RDTE/Other Defense-Advanced Development		1,350

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	ADVANCED RESOURCE TECHNOLOGIES	Virginia	ARMY	RDTE/Other Defense-Advanced Development	$ 1,965
	ADVANCED TECHNOLOGY MATERIALS	Conn	NAVY	RDTE/Other Defense-Advanced Development	49
	ADVANCED TECHNOLOGY SYSTEMS	Virginia	NAVY	RDTE/Other Defense-Advanced Development	91
	AEDAR CORPORATION INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development	182
	AERODYNE RESEARCH INC	Mass	NAVY	RDTE/Other Defense-Advanced Development	250
	AEROFLEX SYSTEMS CORP	Virginia	NAVY	RDTE/Other Defense-Advanced Development	332
	AEROJET	California	NAVY	RDTE/Other Defense-Advanced Development	150
			USAF	RDTE/Other Defense-Advanced Development	320-
		STATE TOTAL			170-
	AIL SYSTEMS INC	New York	ARMY	RDTE/Other Defense-Advanced Development	524
	ALABAMA A & M UNIVERSITY	Alabama	USAF	RDTE/Other Defense-Advanced Development	277
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Other Defense-Advanced Development	1,750
	ALLIED SIGNAL INC	Arizona	USAF	RDTE/Other Defense-Advanced Development	862
		New Jersey	NAVY	RDTE/Other Defense-Advanced Development	200
	CONTRACTOR TOTAL				1,062
	AMBER ENGINEERING INC	California	ARMY	RDTE/Other Defense-Advanced Development	2,146
	AMERICAN ELECTRONICS INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development	50
	AMERICAN FOUNDATION	Maryland	NAVY	RDTE/Other Defense-Advanced Development	155
	AMERICAN TELEPHONE & TELG CO	New Jersey	NAVY	RDTE/Other Defense-Advanced Development	466
	AMERINEX ARTFL INTELLIGENCE	Mass	ARMY	RDTE/Other Defense-Advanced Development	583
	ANALYSIS & TECHNOLOGY INC	Miss	NAVY	RDTE/Other Defense-Advanced Development	30
	ANALYTIC SERVICES INC	Virginia	ARMY	RDTE/Other Defense-Advanced Development	12,120
	ANDREW CORPORATION	Maryland	ARMY	RDTE/Other Defense-Advanced Development	325
	ANTHROPOLOGY RESEARCH PROJECT	Ohio	USAF	RDTE/Other Defense-Advanced Development	159

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	ARES CORPORATION	Virginia	ARMY	RDTE/Other Defense-Advanced Development	$	4,220
	ARETE ASSOCIATES	California	NAVY	RDTE/Other Defense-Advanced Development		550
	ARIST CORP	Virginia	ARMY	RDTE/Other Defense-Advanced Development		2,720
	ARIZONA STATE UNIVERSITY	Arizona	USAF	RDTE/Other Defense-Advanced Development		35
	ASTRALUX	Colorado	NAVY	RDTE/Other Defense-Advanced Development		50
	ASTROSYSTEMS INC	Delaware	USAF	RDTE/Other Defense-Advanced Development		100
	ATLANTIC RESEARCH CORPORATION	New York	USAF	RDTE/Other Defense-Advanced Development		404
		Virginia	USAF	RDTE/Other Defense-Advanced Development		174
	CONTRACTOR TOTAL					578
	AUSTIN RESEARCH ASSOCIATES	Texas	NAVY	RDTE/Other Defense-Advanced Development		50
	AUTOMATION RES SYSTEMS LTD	Virginia	ARMY	RDTE/Other Defense-Advanced Development		379
	AVASEM CORPORATION	California	ARMY	RDTE/Other Defense-Advanced Development		210
	AVCO CORPORATION	Conn	USAF	RDTE/Other Defense-Advanced Development		487
	B K DYNAMICS INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development		784
	B-K DYNAMICS INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development		34
	BABCOCK & WILCOX COMPANY THE	Virginia	ARMY	RDTE/Other Defense-Advanced Development		1,700-
	BAIRD CORPORATION	Mass	ARMY	RDTE/Other Defense-Advanced Development		1,017
	BALL CORPORATION	Colorado	USAF	RDTE/Other Defense-Advanced Development		2,761
	BARRON ASSOCIATES INC	Virginia	NAVY	RDTE/Other Defense-Advanced Development		174
	BASE TEN SYSTEMS INC	New Jersey	ARMY	RDTE/Other Defense-Advanced Development		119
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/Other Defense-Advanced Development		3,887
			USAF	RDTE/Other Defense-Advanced Development		150
		STATE TOTAL				4,036
	BDM INTERNATIONAL INC	Virginia	ARMY	RDTE/Other Defense-Advanced Development		28,848

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AD93 (CONTINUED)					
			USAF	RDTE/Other Defense-Advanced Development	$ 674
		STATE TOTAL			29,522
	BDM MANAGEMENT SERVICES CO	Virginia	ARMY	RDTE/Other Defense-Advanced Development	15,096
	BETA ANALYTICS INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development	2,736
	BLACK & DECKER CORPORATION	Nebraska	USAF	RDTE/Other Defense-Advanced Development	515
	BMH ASSOCIATES INCORPORATED	Virginia	NAVY	RDTE/Other Defense-Advanced Development	137
	BOEING AEROSPACE OPERATIONS	Washington	USAF	RDTE/Other Defense-Advanced Development	650
	BOEING COMPANY THE	Washington	NAVY	RDTE/Other Defense-Advanced Development	43
			USAF	RDTE/Other Defense-Advanced Development	1,235
		STATE TOTAL			1,278
	BOLT BERANEK & NEWMAN INC	California	USAF	RDTE/Other Defense-Advanced Development	2,295
		Mass	ARMY	RDTE/Other Defense-Advanced Development	140
			NAVY	RDTE/Other Defense-Advanced Development	3,150
			USAF	RDTE/Other Defense-Advanced Development	3,859
		STATE TOTAL			7,149
	CONTRACTOR TOTAL				9,444
	BOOZ ALLEN & HAMILTON INC	California	ARMY	RDTE/Other Defense-Advanced Development	150
		Maryland	ARMY	RDTE/Other Defense-Advanced Development	8,830
		Virginia	ARMY	RDTE/Other Defense-Advanced Development	1,787
	CONTRACTOR TOTAL				10,767
	BOSTON UNIVERSITY	Mass	NAVY	RDTE/Other Defense-Advanced Development	2,917
	BRUNSWICK CORPORATION	Virginia	ARMY	RDTE/Other Defense-Advanced Development	1,787
	C & M TECHNOLOGY INC	Conn	NAVY	RDTE/Other Defense-Advanced Development	60
	C A E INDUSTRIES LTD	Arizona	USAF	RDTE/Other Defense-Advanced Development	2,353
	CALSPAN CORPORATION	New York	USAF	RDTE/Other Defense-Advanced Development	1,411
	CANADIAN COMMERCIAL CORPORATI	CANADA	USAF	RDTE/Other Defense-Advanced Development	626

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	CARNEGIE MELLON UNIVERSITY	Penn	USAF	RDTE/Other Defense-Advanced Development	$	659
	CENTRE NATIONAL D ETUDES SPAT	FRANCE	NAVY	RDTE/Other Defense-Advanced Development		923
	CERAMPHYSICS INC	Ohio	USAF	RDTE/Other Defense-Advanced Development		60
	CHESHIL CONSULTANTS INC	Virginia	ARMY	RDTE/Other Defense-Advanced Development		70
	CLARK ATLANTA UNIVERSITY INC	Georgia	ARMY	RDTE/Other Defense-Advanced Development		90
	CLARKSON ENGINEERING	Texas	USAF	RDTE/Other Defense-Advanced Development		73
	CLEVELAND CRYSTALS INC	Ohio	NAVY	RDTE/Other Defense-Advanced Development		122
	COGENTEX INC	New York	USAF	RDTE/Other Defense-Advanced Development		150
	COLORADO SCHOOL OF MINES	Colorado	ARMY	RDTE/Other Defense-Advanced Development		236
	COLSA INC	Alabama	ARMY	RDTE/Other Defense-Advanced Development		440
	COMPACT SOFTWARE INC	New Jersey	USAF	RDTE/Other Defense-Advanced Development		96
	COMPREHENSIVE TECH INTL	Virginia	ARMY	RDTE/Other Defense-Advanced Development		13,778
	CORTANA CORPORATION	Virginia	ARMY	RDTE/Other Defense-Advanced Development		33,403
	CREARE INC	N.H.	USAF	RDTE/Other Defense-Advanced Development		69
	CRYSTALLUME	California	USAF	RDTE/Other Defense-Advanced Development		100
	CSA ENGINEERING INC	California	USAF	RDTE/Other Defense-Advanced Development		415
		Ohio	USAF	RDTE/Other Defense-Advanced Development		248
	CONTRACTOR TOTAL					663
	CUDO TECHNOLOGIES LTD	Kentucky	USAF	RDTE/Other Defense-Advanced Development		57
	DAMES & MOORE	Maryland	ARMY	RDTE/Other Defense-Advanced Development		1,680
	DAUBIN SYSTEMS CORPORATION	Florida	NAVY	RDTE/Other Defense-Advanced Development		36
	DCS CORPORATION	Virginia	NAVY	RDTE/Other Defense-Advanced Development		2,150
	DECISION SCIENCE APPLICATIONS	Virginia	USAF	RDTE/Other Defense-Advanced Development		1,511
	DEFENSE RESEARCH TECHNOLOGIES	Maryland	ARMY	RDTE/Other Defense-Advanced Development		859

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	DEPOSITION SCIENCES INC	California	USAF	RDTE/Other Defense-Advanced Development	$	170
	DICHROMA INC	Virginia	ARMY	RDTE/Other Defense-Advanced Development		415
	DIRECTED TECHNOLOGIES INC	Virginia	USAF	RDTE/Other Defense-Advanced Development		400
	DORNIER GMBH	GERMANY	ARMY	RDTE/Other Defense-Advanced Development		1,753
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/Other Defense-Advanced Development		2,733
			USAF	RDTE/Other Defense-Advanced Development		407
		STATE TOTAL				3,140
	DUN & BRADSTREET INC	New York	USAF	RDTE/Other Defense-Advanced Development		388
	DUPONT AEROSPACE CO INC	California	USAF	RDTE/Other Defense-Advanced Development		36
	DYNAMIC CONTROLS INC	Ohio	USAF	RDTE/Other Defense-Advanced Development		370
	DYNAMICS RESEARCH CORPORATION	Mass	USAF	RDTE/Other Defense-Advanced Development		913
		Virginia	ARMY	RDTE/Other Defense-Advanced Development		1,265
	CONTRACTOR TOTAL					2,178
	DYNATHERM CORPORATION	Maryland	USAF	RDTE/Other Defense-Advanced Development		67
	DYNCORP	Ohio	USAF	RDTE/Other Defense-Advanced Development		103
	DYNETICS INC	Alabama	ARMY	RDTE/Other Defense-Advanced Development		350
	EAGLE PICHER INDUSTRIES INC	California	USAF	RDTE/Other Defense-Advanced Development		298
		Missouri	USAF	RDTE/Other Defense-Advanced Development		100
	CONTRACTOR TOTAL					398
	EASTMAN KODAK COMPANY	New York	USAF	RDTE/Other Defense-Advanced Development		133
	EER SYSTEMS CORPORATION	Virginia	ARMY	RDTE/Other Defense-Advanced Development		205
	ELBIT COMPUTERS LTD	ISRAEL	ARMY	RDTE/Other Defense-Advanced Development		341
	ELDEC CORPORATION	Washington	USAF	RDTE/Other Defense-Advanced Development		1,669
	ELECTROCHEM INC	Mass	USAF	RDTE/Other Defense-Advanced Development		56

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	ELECTRONIC DECISIONS INC	Illinois	USAF	RDTE/Other Defense-Advanced Development	$ 211
	ELECTRONICS DEVELOPMENT CORP	Maryland	ARMY	RDTE/Other Defense-Advanced Development	78
	EMCORE CORPORATION	New Jersey	NAVY	RDTE/Other Defense-Advanced Development	50
	ENERGY SCIENCE LABORATORIES	California	USAF	RDTE/Other Defense-Advanced Development	128
	ENVIRNMENTAL RES INST OF MICH	Michigan	ARMY	RDTE/Other Defense-Advanced Development	1,945
	ENVIRONMENTAL TECHNOLOGIES GRO	Maryland	ARMY	RDTE/Other Defense-Advanced Development	3,700
	EPION CORPORATION	Mass	NAVY	RDTE/Other Defense-Advanced Development	125
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/Other Defense-Advanced Development	619
	EXCELCO DEVELOPMENT INC	New York	NAVY	RDTE/Other Defense-Advanced Development	176
	EXECUTIVE RESOURCE ASSOCIATES	Virginia	ARMY	RDTE/Other Defense-Advanced Development	208
	FAIRCHILD SPACE & DEF CORP	Maryland	ARMY	RDTE/Other Defense-Advanced Development	9,090
	FALCON COMMUNICATIONS CORP	Colorado	USAF	RDTE/Other Defense-Advanced Development	296-
	FERRANTI INSTRUMENTATION LTD	UNITED KIN	ARMY	RDTE/Other Defense-Advanced Development	151
	FIBER MATERIALS INC	Maine	NAVY	RDTE/Other Defense-Advanced Development	225
	FLORIDA MAXIMA CORP	Florida	NAVY	RDTE/Other Defense-Advanced Development	40
	FMC CORPORATION	California	ARMY	RDTE/Other Defense-Advanced Development	2,087
	FOSTER MILLER INC	Mass	USAF	RDTE/Other Defense-Advanced Development	195
	GEC MARCONI CO LTD	California	NAVY	RDTE/Other Defense-Advanced Development	304
	GENERAL ATOMICS	California	USAF	RDTE/Other Defense-Advanced Development	646
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/Other Defense-Advanced Development	1,126
			USAF	RDTE/Other Defense-Advanced Development	7,255
		STATE TOTAL			8,381
		Conn	ARMY	RDTE/Other Defense-Advanced Development	529
		Texas	USAF	RDTE/Other Defense-Advanced Development	657

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
		Virginia	ARMY	RDTE/Other Defense-Advanced Development	$ 81
	CONTRACTOR TOTAL				9,647
	GENERAL ELECTRIC COMPANY	Arizona	USAF	RDTE/Other Defense-Advanced Development	2,382
		New Jersey	ARMY	RDTE/Other Defense-Advanced Development	736
			USAF	RDTE/Other Defense-Advanced Development	2,859
		STATE TOTAL			3,596
		New York	USAF	RDTE/Other Defense-Advanced Development	1,726
		Ohio	USAF	RDTE/Other Defense-Advanced Development	2,001
		Penn	ARMY	RDTE/Other Defense-Advanced Development	85,070
			USAF	RDTE/Other Defense-Advanced Development	459
		STATE TOTAL			85,529
	CONTRACTOR TOTAL				95,234
	GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/Other Defense-Advanced Development	397
	GENERAL RESEARCH CORPORATION	California	ARMY	RDTE/Other Defense-Advanced Development	300
			NAVY	RDTE/Other Defense-Advanced Development	50
		STATE TOTAL			350
	GEO CENTERS INC	Mass	ARMY	RDTE/Other Defense-Advanced Development	200
	GEO-CENTERS INC	D.C.	NAVY	RDTE/Other Defense-Advanced Development	140
	GEORGE MASON UNIVERSITY	Virginia	ARMY	RDTE/Other Defense-Advanced Development	80
			USAF	RDTE/Other Defense-Advanced Development	75
		STATE TOTAL			155
	GRUMMAN CORPORATION	New York	USAF	RDTE/Other Defense-Advanced Development	720
	GTE GOVERNMENT SYSTEMS CORP	California	USAF	RDTE/Other Defense-Advanced Development	99
		Maryland	USAF	RDTE/Other Defense-Advanced Development	267
		Mass	USAF	RDTE/Other Defense-Advanced Development	500
	CONTRACTOR TOTAL				866

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	HARRIS CORPORATION	Florida	USAF	RDTE/Other Defense-Advanced Development	$ 842
	HARRIS GROUP THE INC	Virginia	ARMY	RDTE/Other Defense-Advanced Development	2,885
	HAZELTINE CORPORATION	New York	USAF	RDTE/Other Defense-Advanced Development	6,188
	HNC INC	California	USAF	RDTE/Other Defense-Advanced Development	50
	HONEYWELL INC	Florida	USAF	RDTE/Other Defense-Advanced Development	800
		Minnesota	ARMY	RDTE/Other Defense-Advanced Development	2,442
			USAF	RDTE/Other Defense-Advanced Development	1,068
		STATE TOTAL			3,510
	CONTRACTOR TOTAL				4,310
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Other Defense-Advanced Development	499
			NAVY	RDTE/Other Defense-Advanced Development	240
			USAF	RDTE/Other Defense-Advanced Development	5,852
		STATE TOTAL			6,592
	HUGHES DANBURY OPTICAL SYSTEMS	Conn	USAF	RDTE/Other Defense-Advanced Development	756
	I-NET INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development	1,021
	ICI AMERICAS INC	Indiana	ARMY	RDTE/Other Defense-Advanced Development	94
	IGC ADVANCED	Conn	USAF	RDTE/Other Defense-Advanced Development	50
	IMDT	Virginia	ARMY	RDTE/Other Defense-Advanced Development	50
	IMO INDUSTRIES INC	California	ARMY	RDTE/Other Defense-Advanced Development	1,455
	INFORMATION EXTRCT & TRANS INC	California	ARMY	RDTE/Other Defense-Advanced Development	100
	INFORMTION SYSTEMS NTWRKS CORP	Maryland	ARMY	RDTE/Other Defense-Advanced Development	37
		Ohio	USAF	RDTE/Other Defense-Advanced Development	88
	CONTRACTOR TOTAL				124
	INTEGRATED APPLIED PHYSICS	California	NAVY	RDTE/Other Defense-Advanced Development	49
	INTERMETRICS INC	Mass	USAF	RDTE/Other Defense-Advanced Development	2,840
		Ohio	USAF	RDTE/Other Defense-Advanced Development	84

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
		Penn	NAVY	RDTE/Other Defense-Advanced Development	$ 274
	CONTRACTOR TOTAL				3,198
	INTERNATIONAL BUS MCHS CORP	Virginia	NAVY	RDTE/Other Defense-Advanced Development	35,500
	INTERNATIONAL MICROSPACE INC	Virginia	ARMY	RDTE/Other Defense-Advanced Development	50
	INTERNATIONAL SOFTWARE SYSTEMS	Texas	USAF	RDTE/Other Defense-Advanced Development	1,963
	INTL SCIENTIFIC PRODUCTS	California	ARMY	RDTE/Other Defense-Advanced Development	7,063
	ISRAELI MINISTRY OF DEFENSE	ISRAEL	ARMY	RDTE/Other Defense-Advanced Development	524
	ISREALI MINISTRY OF DEFENSE	ISRAEL	ARMY	RDTE/Other Defense-Advanced Development	795
	JAMIESON SCIENCE & ENGINEERING	Maryland	ARMY	RDTE/Other Defense-Advanced Development	1,700
	JAYCOR	Virginia	ARMY	RDTE/Other Defense-Advanced Development	940
	JBS TECHNOLOGIES INC	California	NAVY	RDTE/Other Defense-Advanced Development	112
	KAISER OPTICAL SYSTEMS INC	Michigan	USAF	RDTE/Other Defense-Advanced Development	279
	KAMAN AEROSPACE CORPORATION	Arizona	ARMY	RDTE/Other Defense-Advanced Development	503
		Conn	ARMY	RDTE/Other Defense-Advanced Development	475
	CONTRACTOR TOTAL				978
	KAMAN SCIENCES CORPORATION	New York	USAF	RDTE/Other Defense-Advanced Development	73
	KEEN DAVID A DBA SIGNATURE PRO	Alabama	ARMY	RDTE/Other Defense-Advanced Development	149
	KESTREL INSTITUTE	California	USAF	RDTE/Other Defense-Advanced Development	958
	KNOWLEDGE BASED SYSTEM	Texas	USAF	RDTE/Other Defense-Advanced Development	746
	KNOWLEDGE SYSTEMS CONCEPTS	New York	USAF	RDTE/Other Defense-Advanced Development	500
	KOLLMORGEN CORPORATION	Mass	ARMY	RDTE/Other Defense-Advanced Development	579
	KOR ELECTRONICS INC	California	NAVY	RDTE/Other Defense-Advanced Development	411
	KRUG INTERNATIONAL CORPORATION	Texas	USAF	RDTE/Other Defense-Advanced Development	747
	KTAADN INC	Mass	USAF	RDTE/Other Defense-Advanced Development	183

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	LANGUAGE SYSTEMS INC	California	USAF	RDTE/Other Defense-Advanced Development	$ 152
	LAWRENCE ASSOCIATES INC	Ohio	USAF	RDTE/Other Defense-Advanced Development	360
	LITTLE ARTHUR D INC	Mass	NAVY	RDTE/Other Defense-Advanced Development	190
	LITTON SYSTEMS INC	Mass	USAF	RDTE/Other Defense-Advanced Development	2,475
	LOCKHEED MISSILES & SPACE CO	Alabama	ARMY	RDTE/Other Defense-Advanced Development	6,486
		California	ARMY	RDTE/Other Defense-Advanced Development	3,630
			NAVY	RDTE/Other Defense-Advanced Development	115
			USAF	RDTE/Other Defense-Advanced Development	55
		STATE TOTAL			3,800
		Maryland	ARMY	RDTE/Other Defense-Advanced Development	500
	CONTRACTOR TOTAL				10,786
	LOCKHEED SANDERS INC	N.H.	ARMY	RDTE/Other Defense-Advanced Development	96
	LOGICON INC	Ohio	USAF	RDTE/Other Defense-Advanced Development	3,673
	LORAL AEROSPACE CORP	California	ARMY	RDTE/Other Defense-Advanced Development	225
	LORAL CORP	Ohio	ARMY	RDTE/Other Defense-Advanced Development	9,099
	LORAL VOUGHT SYSTEMS	Texas	ARMY	RDTE/Other Defense-Advanced Development	40,995
			NAVY	RDTE/Other Defense-Advanced Development	211
		STATE TOTAL			41,206
	M R J INC	Virginia	ARMY	RDTE/Other Defense-Advanced Development	2,522
			USAF	RDTE/Other Defense-Advanced Development	48
		STATE TOTAL			2,570
	MAGNAVOX GOVT & INDSTRL ELCTR	Indiana	ARMY	RDTE/Other Defense-Advanced Development	255
	MAINSTREAM ENGINEERING CO INC	Florida	USAF	RDTE/Other Defense-Advanced Development	49
	MARINE ACOUSTICS	Rhode Isld	NAVY	RDTE/Other Defense-Advanced Development	815
	MARQUARDT COMPANY THE	California	USAF	RDTE/Other Defense-Advanced Development	140
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/Other Defense-Advanced Development	296,896

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
			NAVY	RDTE/Other Defense-Advanced Development	$ 157
		STATE TOTAL			297,053
		Maryland	USAF	RDTE/Other Defense-Advanced Development	112
	CONTRACTOR TOTAL				297,165
	MCDONNELL DOUGLAS CORPORATION	California	ARMY	RDTE/Other Defense-Advanced Development	43,257
		Missouri	USAF	RDTE/Other Defense-Advanced Development	857
	CONTRACTOR TOTAL				44,114
	MCDONNELL DOUGLAS MSL SYS CO	Missouri	USAF	RDTE/Other Defense-Advanced Development	275
	MCDONNELL DOUGLAS SPACE SYS CO	California	USAF	RDTE/Other Defense-Advanced Development	2,451
	MECHANICAL TECHNOLOGY INC	New York	ARMY	RDTE/Other Defense-Advanced Development	25
	MENTOR TECHNOLOGIES INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development	203
	MIDWEST SYSTEMS RESEARCH INC	Ohio	USAF	RDTE/Other Defense-Advanced Development	420
	MINE SAFETY APPLIANCES CO	Penn	ARMY	RDTE/Other Defense-Advanced Development	346
	MITSUBISHI HEAVY INDUSTRIES LT	JAPAN	ARMY	RDTE/Other Defense-Advanced Development	1,920
	MOTIVAIR CORPORATION	Alabama	ARMY	RDTE/Other Defense-Advanced Development	297
	MT WILSON INSTITUTE	California	ARMY	RDTE/Other Defense-Advanced Development	315
	NEWPORT NEWS SHPBLDING DRYDOCK	Virginia	ARMY	RDTE/Other Defense-Advanced Development	134
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/Other Defense-Advanced Development	6,564
		Florida	NAVY	RDTE/Other Defense-Advanced Development	919
		Ohio	USAF	RDTE/Other Defense-Advanced Development	158
	CONTRACTOR TOTAL				7,641
	NICHOLSON & ASSOCIATES INC	Alabama	ARMY	RDTE/Other Defense-Advanced Development	5,569
	NIGHT VISION CORPORATION	Illinois	USAF	RDTE/Other Defense-Advanced Development	115
	NORDEN SYSTEMS INC	Conn	ARMY	RDTE/Other Defense-Advanced Development	4,440

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	NORTH CAROLINA STATE UNIV	N Carolina	NAVY	RDTE/Other Defense-Advanced Development	$ 60
	NORTHEAST PHOTO SCIENCES	N.H.	USAF	RDTE/Other Defense-Advanced Development	50
	NORTHROP CORPORATION	California	USAF	RDTE/Other Defense-Advanced Development	1,192
	NYSERNET INC	New York	USAF	RDTE/Other Defense-Advanced Development	1,336
	OCEAN REMOTE SENSING & ENGRG	California	NAVY	RDTE/Other Defense-Advanced Development	50
	ODETICS INC	California	ARMY	RDTE/Other Defense-Advanced Development	200
	OKLAHOMA STATE UNIVERSITY	Oklahoma	ARMY	RDTE/Other Defense-Advanced Development	323
	OPTICOMP CORPORATION	Nevada	NAVY	RDTE/Other Defense-Advanced Development	281
	OPTIMETRICS INC	Michigan	ARMY	RDTE/Other Defense-Advanced Development	45
	OPTIMIZATION TECHNOLOGY INC	Alabama	USAF	RDTE/Other Defense-Advanced Development	30
	ORBITAL SCIENCES CORP	Virginia	ARMY	RDTE/Other Defense-Advanced Development	705
	ORION INTERNATIONAL TECH	New Mexico	USAF	RDTE/Other Defense-Advanced Development	582
	ORLANDO TECHNOLOGY INC	Florida	USAF	RDTE/Other Defense-Advanced Development	2,183
	PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/Other Defense-Advanced Development	153
			NAVY	RDTE/Other Defense-Advanced Development	400
		STATE TOTAL			553
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/Other Defense-Advanced Development	1,692
	PARAMAX SYSTEMS CORP	Minnesota	USAF	RDTE/Other Defense-Advanced Development	2,052
	PARKER DRILLING COMPANY	Texas	ARMY	RDTE/Other Defense-Advanced Development	446
	PHOTON RESEARCH ASSOCIATES	California	ARMY	RDTE/Other Defense-Advanced Development	1,300
	PHYSICAL OPTICS CORPORATION	California	USAF	RDTE/Other Defense-Advanced Development	451
	PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/Other Defense-Advanced Development	2,400
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/Other Defense-Advanced Development	2,037
	PLANNING SYSTEMS INCORPORATED	Miss	NAVY	RDTE/Other Defense-Advanced Development	125

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
		Virginia	NAVY	RDTE/Other Defense-Advanced Development	$ 3,095
	CONTRACTOR TOTAL				3,220
	POLAROID CORPORATION	Mass	USAF	RDTE/Other Defense-Advanced Development	240
	PRINCETON UNIVERSITY	New Jersey	USAF	RDTE/Other Defense-Advanced Development	60
	R J O ENTERPRISES INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development	5,233
	RADIX SYSTEMS INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development	196
	RAIL COMPANY	Maryland	ARMY	RDTE/Other Defense-Advanced Development	91
	RAVEN INC	Virginia	NAVY	RDTE/Other Defense-Advanced Development	216
	RAYTHEON COMPANY	Mass	ARMY	RDTE/Other Defense-Advanced Development	235
			NAVY	RDTE/Other Defense-Advanced Development	245
			USAF	RDTE/Other Defense-Advanced Development	518
		STATE TOTAL			998
		Rhode Isld	ARMY	RDTE/Other Defense-Advanced Development	100
	CONTRACTOR TOTAL				1,098
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/Other Defense-Advanced Development	100
			USAF	RDTE/Other Defense-Advanced Development	298
		STATE TOTAL			398
	RIVERSIDE RESEARCH INSTITUTE	New York	ARMY	RDTE/Other Defense-Advanced Development	9,459
	ROCHESTER PHOTONICS CORP	New York	USAF	RDTE/Other Defense-Advanced Development	200
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Other Defense-Advanced Development	3,514
	ROCKWELL POWER SYSTEMS	Hawaii	USAF	RDTE/Other Defense-Advanced Development	6,287
	ROCKY RESEARCH	Nevada	USAF	RDTE/Other Defense-Advanced Development	50
	SATCON TECHNOLOGY CORPORATION	Mass	USAF	RDTE/Other Defense-Advanced Development	238
	SCHAFER W J ASSOCIATES INC	Colorado	USAF	RDTE/Other Defense-Advanced Development	127
		Mass	ARMY	RDTE/Other Defense-Advanced Development	24,893

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	CONTRACTOR TOTAL				$ 25,020
	SCI TEC INC	New Jersey	USAF	RDTE/Other Defense-Advanced Development	120
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/Other Defense-Advanced Development	154-
		Arizona	ARMY	RDTE/Other Defense-Advanced Development	700
		California	ARMY	RDTE/Other Defense-Advanced Development	5,600
			NAVY	RDTE/Other Defense-Advanced Development	987
			USAF	RDTE/Other Defense-Advanced Development	1,840
		STATE TOTAL			8,428
		Minnesota	ARMY	RDTE/Other Defense-Advanced Development	200
		Ohio	USAF	RDTE/Other Defense-Advanced Development	459
		Virginia	ARMY	RDTE/Other Defense-Advanced Development	808
			NAVY	RDTE/Other Defense-Advanced Development	4,484
		STATE TOTAL			5,292
	CONTRACTOR TOTAL				14,924
	SCIENCE RESEARCH LABORATORY	Mass	ARMY	RDTE/Other Defense-Advanced Development	407
	SCIENTIFIC TECHNOLOGY INC	D.C.	NAVY	RDTE/Other Defense-Advanced Development	53
	SIERRA MONOLITHICS INC	California	NAVY	RDTE/Other Defense-Advanced Development	50
	SIGNAL PROCESSING TECHNOLOGY	California	NAVY	RDTE/Other Defense-Advanced Development	35
	SIMULATION TECHNOLOGIES	Alabama	ARMY	RDTE/Other Defense-Advanced Development	100
	SIPPICAN INC	Mass	NAVY	RDTE/Other Defense-Advanced Development	197
	SOREQ NUCLEAR RESEARCH CENTER	ISRAEL	ARMY	RDTE/Other Defense-Advanced Development	1,249
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/Other Defense-Advanced Development	405
	SPACE APPLICATIONS CORPORATION	California	ARMY	RDTE/Other Defense-Advanced Development	2,335
	SPACE COMPUTER CORP	California	ARMY	RDTE/Other Defense-Advanced Development	77
			USAF	RDTE/Other Defense-Advanced Development	36
		STATE TOTAL			113

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	SPACE DATA CORPORATION	Arizona	ARMY	RDTE/Other Defense-Advanced Development	$ 47,920
	SPARTA INC	Alabama	USAF	RDTE/Other Defense-Advanced Development	1,797
		California	USAF	RDTE/Other Defense-Advanced Development	140
	CONTRACTOR TOTAL				1,937
	SPECTRA DIODE LABORATORIES	California	USAF	RDTE/Other Defense-Advanced Development	1,514
	SPECTROLAB INC	California	USAF	RDTE/Other Defense-Advanced Development	317
	SPECTRON DEVELOPMENT LABS	California	NAVY	RDTE/Other Defense-Advanced Development	92
	SPIRE CORPORATION	Mass	NAVY	RDTE/Other Defense-Advanced Development	49
			USAF	RDTE/Other Defense-Advanced Development	50
		STATE TOTAL			99
	SRI INTERNATIONAL	California	ARMY	RDTE/Other Defense-Advanced Development	1,280
			NAVY	RDTE/Other Defense-Advanced Development	1,441
			USAF	RDTE/Other Defense-Advanced Development	763
		STATE TOTAL			3,484
	SRS TECHNOLOGIES	California	ARMY	RDTE/Other Defense-Advanced Development	3,239
	STANFORD TELECOMMUNICATIONS	California	USAF	RDTE/Other Defense-Advanced Development	190
	STANFORD UNIVERSITY	California	NAVY	RDTE/Other Defense-Advanced Development	45-
	STERLING FEDERAL SYSTEMS INC	Nebraska	USAF	RDTE/Other Defense-Advanced Development	1,039
	STEROIDS LTD	Illinois	NAVY	RDTE/Other Defense-Advanced Development	49
	STONE & WEBSTER INCORPORATED	D.C.	ARMY	RDTE/Other Defense-Advanced Development	485
	SUMMIT RESEARCH CORPORATION	Maryland	NAVY	RDTE/Other Defense-Advanced Development	50
	SYNECTICS CORP	New York	USAF	RDTE/Other Defense-Advanced Development	2,020
	SYRACUSE UNIVERSITY	New York	USAF	RDTE/Other Defense-Advanced Development	210
	SYSTEM EXPLORATION INTL	Ohio	USAF	RDTE/Other Defense-Advanced Development	579
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/Other Defense-Advanced Development	5,482
	SYSTEMS ENGRG & MGT ASSOC	Virginia	ARMY	RDTE/Other Defense-Advanced Development	2,530

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	SYSTEMS RES APPLICATIONS CORP	Virginia	USAF	RDTE/Other Defense-Advanced Development	$ 40
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/Other Defense-Advanced Development	1,471
	TASC	Mass	ARMY	RDTE/Other Defense-Advanced Development	58,459
			USAF	RDTE/Other Defense-Advanced Development	1,402
		STATE TOTAL			59,861
	TECH INTERNATIONAL INC	Colorado	NAVY	RDTE/Other Defense-Advanced Development	248
	TECHNLOGY ASSSSMENT TRANSF INC	Maryland	ARMY	RDTE/Other Defense-Advanced Development	600
	TECHNOLOGY APPLICATIONS SVC CO	Florida	NAVY	RDTE/Other Defense-Advanced Development	118
	TENNESSEE STATE UNIVERSITY	Tennessee	USAF	RDTE/Other Defense-Advanced Development	225
	TETRA CORPORATION	New Mexico	NAVY	RDTE/Other Defense-Advanced Development	61
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Other Defense-Advanced Development	156
			NAVY	RDTE/Other Defense-Advanced Development	200
			USAF	RDTE/Other Defense-Advanced Development	151
		STATE TOTAL			507
	THERMACORE INC	Penn	USAF	RDTE/Other Defense-Advanced Development	571
	THERMOTREX CORPORATION	California	NAVY	RDTE/Other Defense-Advanced Development	3,567
	THIOKOL CORPORATION	Alabama	NAVY	RDTE/Other Defense-Advanced Development	100
		Utah	NAVY	RDTE/Other Defense-Advanced Development	43
	CONTRACTOR TOTAL				143
	TINSLEY LABORATORIES INC	California	USAF	RDTE/Other Defense-Advanced Development	792
	TITAN CORPORATION	California	ARMY	RDTE/Other Defense-Advanced Development	250
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/Other Defense-Advanced Development	641
	TRACOR FLIGHT SYSTEMS INC	California	ARMY	RDTE/Other Defense-Advanced Development	139
	TRUSTED INFORMATION SYSTEMS	Maryland	USAF	RDTE/Other Defense-Advanced Development	116
	TRW INC	California	ARMY	RDTE/Other Defense-Advanced Development	126,219

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
			NAVY	RDTE/Other Defense-Advanced Development	$ 1,014
			USAF	RDTE/Other Defense-Advanced Development	228
		STATE TOTAL			127,460
		Colorado	USAF	RDTE/Other Defense-Advanced Development	3,255
	CONTRACTOR TOTAL				130,715
	UES INC	Ohio	USAF	RDTE/Other Defense-Advanced Development	448
	UNION CORPORATION	Penn	ARMY	RDTE/Other Defense-Advanced Development	180
	UNITED KINGDOM MINISTRY OF DEF	UNITED KIN	ARMY	RDTE/Other Defense-Advanced Development	12,602
	UNITED STATES DEPT INTERIOR	Virginia	NAVY	RDTE/Other Defense-Advanced Development	100
	UNITED STATES DEPT OF COMMERCE	Colorado	NAVY	RDTE/Other Defense-Advanced Development	75
		Maryland	NAVY	RDTE/Other Defense-Advanced Development	200
	CONTRACTOR TOTAL				275
	UNITED TECHNOLOGIES CORP	California	NAVY	RDTE/Other Defense-Advanced Development	100
		Conn	NAVY	RDTE/Other Defense-Advanced Development	300
			USAF	RDTE/Other Defense-Advanced Development	869
		STATE TOTAL			1,169
		Florida	USAF	RDTE/Other Defense-Advanced Development	8,951
	CONTRACTOR TOTAL				10,219
	UNIVERSITY OF ALASKA	Alaska	NAVY	RDTE/Other Defense-Advanced Development	60
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/Other Defense-Advanced Development	301
			NAVY	RDTE/Other Defense-Advanced Development	365
		STATE TOTAL			666
	UNIVERSITY OF COLORADO	Colorado	USAF	RDTE/Other Defense-Advanced Development	125
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Other Defense-Advanced Development	1,027
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/Other Defense-Advanced Development	34
	UNIVERSITY OF MARYLAND SYSTEM	Maryland	NAVY	RDTE/Other Defense-Advanced Development	80

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	UNIVERSITY OF MASSACHUSETTS	Mass	ARMY	RDTE/Other Defense-Advanced Development	$	500
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Other Defense-Advanced Development		125
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/Other Defense-Advanced Development		58
	UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/Other Defense-Advanced Development		20,572
	V P L RESEARCH INC	California	NAVY	RDTE/Other Defense-Advanced Development		56
	VANGUARD RESEARCH INC	Virginia	ARMY	RDTE/Other Defense-Advanced Development		2,143
	VEDA INTERNATIONAL INC	Virginia	USAF	RDTE/Other Defense-Advanced Development		1,651
	VER-VAL ENTERPRISES INC	Florida	ARMY	RDTE/Other Defense-Advanced Development		285
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/Other Defense-Advanced Development		166
	VESTAR INC	California	NAVY	RDTE/Other Defense-Advanced Development		212
	VOUGHT AIRCRAFT	Texas	ARMY	RDTE/Other Defense-Advanced Development		11,850
	WAGNER DANIEL H ASSOCIATES	Penn	ARMY	RDTE/Other Defense-Advanced Development		338
			NAVY	RDTE/Other Defense-Advanced Development		606
		STATE TOTAL				944
	WASHINGTON STATE UNIVERSITY	Washington	USAF	RDTE/Other Defense-Advanced Development		111
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/Other Defense-Advanced Development		8,000
			USAF	RDTE/Other Defense-Advanced Development		165
		STATE TOTAL				8,165
		Penn	USAF	RDTE/Other Defense-Advanced Development		425
	CONTRACTOR TOTAL					8,590
	WILLIAMSON & ASSOCIATES INC	Washington	NAVY	RDTE/Other Defense-Advanced Development		258
	WOODWARD-CLYDE FEDERAL SERVICE	Florida	USAF	RDTE/Other Defense-Advanced Development		38
	WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/Other Defense-Advanced Development		28
R&D TOTAL						1,277,865
AD94	A E C DESIGN	Virginia	NAVY	RDTE/Other Defense-Engineering Development		460

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD94 (CONTINUED)						
	ADROIT SYSTEMS INC	Virginia	USAF	RDTE/Other Defense-Engineering Development	$	276
	ADVANCED MATERIALS INC	Louisiana	ARMY	RDTE/Other Defense-Engineering Development		686
	ALAR PRODUCTS INC	Ohio	USAF	RDTE/Other Defense-Engineering Development		2,377
	ANTHROPOLOGY RESEARCH PROJECT	Ohio	USAF	RDTE/Other Defense-Engineering Development		118
	ARO CORPORATION	New York	USAF	RDTE/Other Defense-Engineering Development		2,955
	AYDIN CORPORATION	Penn	NAVY	RDTE/Other Defense-Engineering Development		99
	BALL CORPORATION	California	USAF	RDTE/Other Defense-Engineering Development		628-
	BDM INTERNATIONAL INC	Virginia	NAVY	RDTE/Other Defense-Engineering Development		149
	BRUNSWICK CORPORATION	Florida	ARMY	RDTE/Other Defense-Engineering Development		2,272
	C A E INDUSTRIES LTD	New York	USAF	RDTE/Other Defense-Engineering Development		58,548
	CHAMBERLAIN MANUFACTURING CORP	Maryland	ARMY	RDTE/Other Defense-Engineering Development		9,334
	COLSA INC	Alabama	ARMY	RDTE/Other Defense-Engineering Development		82
	COMPUTER SCIENCES CORPORATION	California	USAF	RDTE/Other Defense-Engineering Development		500
	CONQUEST SOFTWARE INC	Maryland	USAF	RDTE/Other Defense-Engineering Development		200
	CONTRAVES USA INC	Penn	ARMY	RDTE/Other Defense-Engineering Development		1,960
	CSC ANALYTICS INC	Virginia	ARMY	RDTE/Other Defense-Engineering Development		255
	EAGLE SYSTEMS INC	Maryland	NAVY	RDTE/Other Defense-Engineering Development		261
	ELDEC CORPORATION	Washington	USAF	RDTE/Other Defense-Engineering Development		190
	ELECTRONIC ASSOCIATES INC	New Jersey	ARMY	RDTE/Other Defense-Engineering Development		660
	ELECTRONIC WARFARE ASSOCIATES	Florida	NAVY	RDTE/Other Defense-Engineering Development		237
	ENSCO INC	Virginia	ARMY	RDTE/Other Defense-Engineering Development		50
	ENVIRNMENTAL RES INST OF MICH	Michigan	ARMY	RDTE/Other Defense-Engineering Development		350
	ENVIRONMENTAL TECHNOLOGIES GRO	Maryland	ARMY	RDTE/Other Defense-Engineering Development		8,652
	ETA TECHNOLOGIES CORPORATION	California	USAF	RDTE/Other Defense-Engineering Development		3,149

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD94 (CONTINUED)					
	FAGIN SAMUEL L ASSOC	Penn	NAVY	RDTE/Other Defense-Engineering Development	$ 150
	FLIGHTSAFETY INTERNATIONAL	Colorado	USAF	RDTE/Other Defense-Engineering Development	542-
	FUENTEZ SYSTEMS CONCEPTS INC	Virginia	ARMY	RDTE/Other Defense-Engineering Development	714
	GAERTNER W W RESEARCH INC	Conn	NAVY	RDTE/Other Defense-Engineering Development	484
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Other Defense-Engineering Development	485
		Michigan	ARMY	RDTE/Other Defense-Engineering Development	27,800
	CONTRACTOR TOTAL				28,285
	GENERAL DYNAMICS WESTNGHSE JV	California	NAVY	RDTE/Other Defense-Engineering Development	55,500
	GENERAL ELECTRIC COMPANY	Ohio	USAF	RDTE/Other Defense-Engineering Development	166
	GENERAL RESEARCH CORPORATION	Alabama	USAF	RDTE/Other Defense-Engineering Development	425
	GENTEX CORPORATION	Penn	USAF	RDTE/Other Defense-Engineering Development	6,000
	GEORGIA TECH RESEARCH CORP	Georgia	USAF	RDTE/Other Defense-Engineering Development	35
	GNOSTECH INC	Penn	NAVY	RDTE/Other Defense-Engineering Development	458
	H & R COMPANY	California	NAVY	RDTE/Other Defense-Engineering Development	42,600
	HUDSON MACHINE & TOOL INC	Indiana	ARMY	RDTE/Other Defense-Engineering Development	70
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Other Defense-Engineering Development	250
	ILLINOIS TOOL WORKS INC	Illinois	USAF	RDTE/Other Defense-Engineering Development	832
	INFORMTION SYSTEMS NTWRKS CORP	Ohio	USAF	RDTE/Other Defense-Engineering Development	1,364
	INTERMETRICS INC	Ohio	USAF	RDTE/Other Defense-Engineering Development	30
	JAYCOR	Ohio	USAF	RDTE/Other Defense-Engineering Development	573
	KAPOS ASSOCIATES INC	Virginia	ARMY	RDTE/Other Defense-Engineering Development	48
	LOCKHEED AERONAUTICAL SYS CO	Georgia	USAF	RDTE/Other Defense-Engineering Development	2,000
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/Other Defense-Engineering Development	179
		Maryland	ARMY	RDTE/Other Defense-Engineering Development	2,500

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD94 (CONTINUED)					
		Texas	NAVY	RDTE/Other Defense-Engineering Development	$ 549
	CONTRACTOR TOTAL				3,228
	LOCUS INC	Penn	NAVY	RDTE/Other Defense-Engineering Development	90
	LOGICON INC	Ohio	USAF	RDTE/Other Defense-Engineering Development	278
	LORAL CORP	New York	NAVY	RDTE/Other Defense-Engineering Development	9,189
	LOS ALAMOS TECHNICAL ASSOC INC	New Mexico	ARMY	RDTE/Other Defense-Engineering Development	150
	MCDONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/Other Defense-Engineering Development	350
	MEI TECHNOLOGY CORPORATION	Mass	USAF	RDTE/Other Defense-Engineering Development	5,526
		New York	USAF	RDTE/Other Defense-Engineering Development	831
	CONTRACTOR TOTAL				6,357
	METRON INC	Penn	NAVY	RDTE/Other Defense-Engineering Development	313
	MISSION RESEARCH CORPORATION	D.C.	NAVY	RDTE/Other Defense-Engineering Development	189
	MODERN TECHNOLOGIES CORP	Alaska	USAF	RDTE/Other Defense-Engineering Development	76
		Ohio	USAF	RDTE/Other Defense-Engineering Development	103
		Texas	USAF	RDTE/Other Defense-Engineering Development	5,586
	CONTRACTOR TOTAL				5,766
	MOTIVAIR CORPORATION	Alabama	ARMY	RDTE/Other Defense-Engineering Development	73
	NOMURA ENTERPRISE INC	Illinois	ARMY	RDTE/Other Defense-Engineering Development	123
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/Other Defense-Engineering Development	500
	QUESTECH INC	Virginia	NAVY	RDTE/Other Defense-Engineering Development	75
	RAYTHEON COMPANY	Mass	NAVY	RDTE/Other Defense-Engineering Development	125
	RECOGNITION RESEARCH	Virginia	ARMY	RDTE/Other Defense-Engineering Development	49
	REMTECH SERVICES INC	Virginia	ARMY	RDTE/Other Defense-Engineering Development	2,226
	ROCKWELL POWER SYSTEMS	New Mexico	USAF	RDTE/Other Defense-Engineering Development	390

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD94 (CONTINUED)						
	SCIENCE APPLICATIONS INTL CORP	Maine	USAF	RDTE/Other Defense-Engineering Development	$	296
		Ohio	USAF	RDTE/Other Defense-Engineering Development		334
		Virginia	NAVY	RDTE/Other Defense-Engineering Development		498
	CONTRACTOR TOTAL					1,129
	SECURE COMPUTING TECHNOLOGY CO	Minnesota	USAF	RDTE/Other Defense-Engineering Development		48
	SIERRA MONOLITHICS INC	California	NAVY	RDTE/Other Defense-Engineering Development		299
	SOFTECH INC	Virginia	USAF	RDTE/Other Defense-Engineering Development		759-
	SOUTHERN RESEARCH TECHNOLOGIES	Alabama	ARMY	RDTE/Other Defense-Engineering Development		60
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/Other Defense-Engineering Development		96
	SRI INTERNATIONAL	California	USAF	RDTE/Other Defense-Engineering Development		36
	SYNECTICS CORP	New York	USAF	RDTE/Other Defense-Engineering Development		2,983
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/Other Defense-Engineering Development		1,125
	TOYON RESEARCH CORP	California	USAF	RDTE/Other Defense-Engineering Development		335
	TRW INC	Colorado	USAF	RDTE/Other Defense-Engineering Development		4,372
		Mass	USAF	RDTE/Other Defense-Engineering Development		198-
	CONTRACTOR TOTAL					4,174
	UNITED KINGDOM MINISTRY OF DEF	UNITED KIN	NAVY	RDTE/Other Defense-Engineering Development		6,953
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/Other Defense-Engineering Development		95
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/Other Defense-Engineering Development		307
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Other Defense-Engineering Development		165
	VITRO CORPORATION	Penn	NAVY	RDTE/Other Defense-Engineering Development		38
R&D TOTAL						279,187
AD95	3M	Minnesota	ARMY	RDTE/Other Defense-Operational Systems Dev		300
	AEL INDUSTRIES INC	Penn	USAF	RDTE/Other Defense-Operational Systems Dev		100

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD95 (CONTINUED)						
	AEROJET	California	USAF	RDTE/Other Defense-Operational Systems Dev	$	6,957
	AMERICAN RESEARCH CORP	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		49
	AQUA CHEM INC	Wisconsin	ARMY	RDTE/Other Defense-Operational Systems Dev		116
	ARRAL INDUSTRIES INC	California	ARMY	RDTE/Other Defense-Operational Systems Dev		105
	AUGUST DESIGN & DEVELOPMENT	Penn	ARMY	RDTE/Other Defense-Operational Systems Dev		600
	B K DYNAMICS INC	Maryland	NAVY	RDTE/Other Defense-Operational Systems Dev		419
	BDM INTERNATIONAL INC	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		1,393
			NAVY	RDTE/Other Defense-Operational Systems Dev		432
		STATE TOTAL				1,825
	BECHDON COMPANY INC	Maryland	NAVY	RDTE/Other Defense-Operational Systems Dev		
	BERKELEY RESEARCH ASSOCIATES	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		50
	BLACK & DECKER CORPORATION	Virginia	USAF	RDTE/Other Defense-Operational Systems Dev		1,489
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/Other Defense-Operational Systems Dev		1,211
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/Other Defense-Operational Systems Dev		64
			USAF	RDTE/Other Defense-Operational Systems Dev		169
		STATE TOTAL				233
	BRTRC INC	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		781
	BRUNSWICK CORPORATION	Virginia	NAVY	RDTE/Other Defense-Operational Systems Dev		198
	CACI INTERNATIONAL INC	California	NAVY	RDTE/Other Defense-Operational Systems Dev		50
	CAPE COD RESEARCH INC	Mass	USAF	RDTE/Other Defense-Operational Systems Dev		247
	CARNEGIE MELLON UNIVERSITY	Penn	USAF	RDTE/Other Defense-Operational Systems Dev		350
	CLARK ATLANTA UNIVERSITY INC	Georgia	ARMY	RDTE/Other Defense-Operational Systems Dev		199
	CLARKSON ENGINEERING	Texas	USAF	RDTE/Other Defense-Operational Systems Dev		150
	COLSA INC	Alabama	ARMY	RDTE/Other Defense-Operational Systems Dev		370
	COMPUTER SCIENCES CORPORATION	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		13,507

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD95 (CONTINUED)					
	CONSULTANT SPECIALIST INC	Oregon	ARMY	RDTE/Other Defense-Operational Systems Dev	$ 200
	CSA ENGINEERING INC	Ohio	USAF	RDTE/Other Defense-Operational Systems Dev	50
	CUBIC CORPORATION	California	NAVY	RDTE/Other Defense-Operational Systems Dev	886
	DESCRIPT	Texas	ARMY	RDTE/Other Defense-Operational Systems Dev	45
	DIGICOMP RESEARCH CORP	New York	USAF	RDTE/Other Defense-Operational Systems Dev	600
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/Other Defense-Operational Systems Dev	170
	E-SYSTEMS INC	Texas	USAF	RDTE/Other Defense-Operational Systems Dev	603
	ELECTRO MAGNETIC APPLICATION	Colorado	ARMY	RDTE/Other Defense-Operational Systems Dev	50
	ELECTRO OPTICAL SERVICES INC	Virginia	NAVY	RDTE/Other Defense-Operational Systems Dev	62
	ESL INCORPORATED	California	ARMY	RDTE/Other Defense-Operational Systems Dev	10,976
	FAAC INCORPORATED	Michigan	NAVY	RDTE/Other Defense-Operational Systems Dev	1,485
	G R D INC	Penn	NAVY	RDTE/Other Defense-Operational Systems Dev	200
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/Other Defense-Operational Systems Dev	109
		Texas	ARMY	RDTE/Other Defense-Operational Systems Dev	73
	CONTRACTOR TOTAL				182
	GENERAL ELECTRIC COMPANY	New York	USAF	RDTE/Other Defense-Operational Systems Dev	200
	GLEASON RESEARCH ASSOC INC	Maryland	ARMY	RDTE/Other Defense-Operational Systems Dev	209
	GTE GOVERNMENT SYSTEMS CORP	Maryland	USAF	RDTE/Other Defense-Operational Systems Dev	45
	HARRIS CORPORATION	California	USAF	RDTE/Other Defense-Operational Systems Dev	216
		Florida	USAF	RDTE/Other Defense-Operational Systems Dev	1,444
		Indiana	USAF	RDTE/Other Defense-Operational Systems Dev	46
		New York	USAF	RDTE/Other Defense-Operational Systems Dev	1,291
		Penn	USAF	RDTE/Other Defense-Operational Systems Dev	1,008
		Texas	USAF	RDTE/Other Defense-Operational Systems Dev	674

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD95 (CONTINUED)					
	CONTRACTOR TOTAL				$ 4,679
	HIGH PERFORMANCE MATERIALS	Missouri	ARMY	RDTE/Other Defense-Operational Systems Dev	49
	HITTITE MICROWAVE CORPORATION	Mass	ARMY	RDTE/Other Defense-Operational Systems Dev	423
	HRB SYSTEMS INC	Penn	USAF	RDTE/Other Defense-Operational Systems Dev	50
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Other Defense-Operational Systems Dev	1,375
	HUMAN RSRCES RES ORGANIZATION	Virginia	NAVY	RDTE/Other Defense-Operational Systems Dev	221
	INFORMTION SYSTEMS NTWRKS CORP	Maryland	USAF	RDTE/Other Defense-Operational Systems Dev	80
		Ohio	USAF	RDTE/Other Defense-Operational Systems Dev	26
	CONTRACTOR TOTAL				106
	INTEC INCORPORATED	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev	326
	INTEGRATD TCHNLGS FOR MEDICINE	Maryland	ARMY	RDTE/Other Defense-Operational Systems Dev	50
	INTERSPEC INC	Penn	ARMY	RDTE/Other Defense-Operational Systems Dev	100
	J R S RESEARCH LABORATORIES	California	NAVY	RDTE/Other Defense-Operational Systems Dev	73
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/Other Defense-Operational Systems Dev	699
	K F O ASSOCIATES INC	New Jersey	NAVY	RDTE/Other Defense-Operational Systems Dev	135
	KETRON INC	Penn	NAVY	RDTE/Other Defense-Operational Systems Dev	725
	KNOWLEDGE SYSTEMS CONCEPTS	California	USAF	RDTE/Other Defense-Operational Systems Dev	352
		New York	USAF	RDTE/Other Defense-Operational Systems Dev	73
	CONTRACTOR TOTAL				425
	KRUG INTERNATIONAL CORPORATION	Texas	USAF	RDTE/Other Defense-Operational Systems Dev	105
	LICA SYSTEMS INC	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev	216
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Other Defense-Operational Systems Dev	309
	LOCKHEED SANDERS INC	N.H.	USAF	RDTE/Other Defense-Operational Systems Dev	260
	LOGICON INC	California	USAF	RDTE/Other Defense-Operational Systems Dev	9,558

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD95 (CONTINUED)						
	LORAL CORP	Ohio	USAF	RDTE/Other Defense-Operational Systems Dev	$	5,165
	LSA INC	Virginia	USAF	RDTE/Other Defense-Operational Systems Dev		120
	MANAGEMENT ANALYSIS INC	Virginia	NAVY	RDTE/Other Defense-Operational Systems Dev		55
	MARTIN MARIETTA CORPORATION	Maryland	USAF	RDTE/Other Defense-Operational Systems Dev		880
	MERCER UNIVERSITY	Georgia	USAF	RDTE/Other Defense-Operational Systems Dev		6,020
	METRON INC	Penn	NAVY	RDTE/Other Defense-Operational Systems Dev		156
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/Other Defense-Operational Systems Dev		254
	MOTOROLA INC	Arizona	NAVY	RDTE/Other Defense-Operational Systems Dev		699
	NATIONAL ACADEMY SCIENCES USA	D.C.	NAVY	RDTE/Other Defense-Operational Systems Dev		51
	NATIONAL INSTITUTES OF HEALTH	Maryland	NAVY	RDTE/Other Defense-Operational Systems Dev		60
	NDI ENGINEERING COMPANY	New Jersey	NAVY	RDTE/Other Defense-Operational Systems Dev		54
	NEW ENGLAND STEEL TANK CO	Mass	NAVY	RDTE/Other Defense-Operational Systems Dev		235
	ODYSSEY CONTRACTING COMPANY	New York	USAF	RDTE/Other Defense-Operational Systems Dev		728
	ORTEL CORPORATION	California	ARMY	RDTE/Other Defense-Operational Systems Dev		144
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/Other Defense-Operational Systems Dev		138
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/Other Defense-Operational Systems Dev		137
	PARAMAX SYSTEMS CORP	Minnesota	USAF	RDTE/Other Defense-Operational Systems Dev		700
	PRC INC	Hawaii	USAF	RDTE/Other Defense-Operational Systems Dev		1,133
		Virginia	USAF	RDTE/Other Defense-Operational Systems Dev		4,203
	CONTRACTOR TOTAL					5,336
	QUANTICS INC	Penn	NAVY	RDTE/Other Defense-Operational Systems Dev		366
	QUANTUM RESEARCH INTERNATIONAL	Alabama	ARMY	RDTE/Other Defense-Operational Systems Dev		100
	R & D ASSOCIATES	California	NAVY	RDTE/Other Defense-Operational Systems Dev		100-
	R B C INCORPORATED	Penn	NAVY	RDTE/Other Defense-Operational Systems Dev		73

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD95 (CONTINUED)						
	RAYTHEON COMPANY	Mass	USAF	RDTE/Other Defense-Operational Systems Dev	$	131
	ROBINSON D G CORP	Alabama	ARMY	RDTE/Other Defense-Operational Systems Dev		362
	ROCHESTER PHOTONICS CORP	New York	ARMY	RDTE/Other Defense-Operational Systems Dev		209
	ROCKWELL POWER SYSTEMS	Hawaii	USAF	RDTE/Other Defense-Operational Systems Dev		2,243
	RONSON MANAGEMENT CORP	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		849
	SCHUYLER DYNAMICS INC	New York	ARMY	RDTE/Other Defense-Operational Systems Dev		105
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Other Defense-Operational Systems Dev		640
			USAF	RDTE/Other Defense-Operational Systems Dev		70
		STATE TOTAL				710
		Florida	NAVY	RDTE/Other Defense-Operational Systems Dev		302
		Ohio	USAF	RDTE/Other Defense-Operational Systems Dev		1,836
		Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		1,646
			USAF	RDTE/Other Defense-Operational Systems Dev		556
		STATE TOTAL				2,202
	CONTRACTOR TOTAL					5,051
	SCIENTIFIC TECHNOLOGY INC	Maryland	ARMY	RDTE/Other Defense-Operational Systems Dev		123
	SCITEQ ELECTRONICS INC	California	ARMY	RDTE/Other Defense-Operational Systems Dev		234
	SECURE COMPUTING TECHNOLOGY CO	Minnesota	USAF	RDTE/Other Defense-Operational Systems Dev		947
	SILICON GRAPHICS INC	California	NAVY	RDTE/Other Defense-Operational Systems Dev		84
	SPARTA INC	California	ARMY	RDTE/Other Defense-Operational Systems Dev		462
	SRI INTERNATIONAL	California	ARMY	RDTE/Other Defense-Operational Systems Dev		74
	SRIRAM S	Ohio	ARMY	RDTE/Other Defense-Operational Systems Dev		200
	SYSCON CORPORATION	Maryland	NAVY	RDTE/Other Defense-Operational Systems Dev		935
	SYSTEMS ENGRG & MGT ASSOC	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		96
	SYSTEMS RES APPLICATIONS CORP	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		60

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD95 (CONTINUED)						
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/Other Defense-Operational Systems Dev	$	279
	TAU CORPORATION	California	NAVY	RDTE/Other Defense-Operational Systems Dev		32
	TECH INTERNATIONAL INC	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		563
	THERMOTREX CORPORATION	California	ARMY	RDTE/Other Defense-Operational Systems Dev		2,253
	TRUSTED INFORMATION SYSTEMS	Maryland	USAF	RDTE/Other Defense-Operational Systems Dev		477
	TRW INC	California	USAF	RDTE/Other Defense-Operational Systems Dev		200
	U.S. INTERTECH, INC.	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		200
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Other Defense-Operational Systems Dev		600
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/Other Defense-Operational Systems Dev		737
	VITRO CORPORATION	Maryland	NAVY	RDTE/Other Defense-Operational Systems Dev		1,054
	WACKENHUT APPLIED TECH CTR	Virginia	ARMY	RDTE/Other Defense-Operational Systems Dev		89
	XONTECH INC	California	NAVY	RDTE/Other Defense-Operational Systems Dev		46
R&D TOTAL						105,215
AD96	3M	Minnesota	NAVY	RDTE/Other Defense-Management & Support		75
	A3 CORPORATION	Virginia	ARMY	RDTE/Other Defense-Management & Support		65
	ACCURATE AUTOMATION CORP	Tennessee	NAVY	RDTE/Other Defense-Management & Support		200
	ADAPTIVE TECHNOLOGY INC	New York	USAF	RDTE/Other Defense-Management & Support		49
	ADROIT SYSTEMS INC	Virginia	USAF	RDTE/Other Defense-Management & Support		50
	ADVANCED DESIGN CORPORATION	Virginia	ARMY	RDTE/Other Defense-Management & Support		839
	ADVANCED RES & APPLICATIONS	California	USAF	RDTE/Other Defense-Management & Support		701
	AEROMETRICS INC	California	USAF	RDTE/Other Defense-Management & Support		50
	AIREX CORPORATION	N.H.	USAF	RDTE/Other Defense-Management & Support		74
	ALBANY TITANIUM INC	Oregon	USAF	RDTE/Other Defense-Management & Support		133-
	AMERICAN GNC CORPORATION	California	USAF	RDTE/Other Defense-Management & Support		200

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD96 (CONTINUED)						
	ANALATOM INC	California	USAF	RDTE/Other Defense-Management & Support	$	355
	ANALYTICAL SERVICES & MATERIAL	Virginia	USAF	RDTE/Other Defense-Management & Support		48
	ANDRULIS RESEARCH CORPORATION	Maryland	ARMY	RDTE/Other Defense-Management & Support		60
		Virginia	ARMY	RDTE/Other Defense-Management & Support		60
	CONTRACTOR TOTAL					120
	APPLIED TECHNOLOGY ASSOCIATES	Florida	USAF	RDTE/Other Defense-Management & Support		50
		New Mexico	ARMY	RDTE/Other Defense-Management & Support		49
	CONTRACTOR TOTAL					99
	ARETE ASSOCIATES	California	NAVY	RDTE/Other Defense-Management & Support		500
	ARTIFICIAL INTELLIGENCE CORP	Texas	USAF	RDTE/Other Defense-Management & Support		398
	ASTROPOWER INC	Delaware	USAF	RDTE/Other Defense-Management & Support		50
	AUTOMATION RES SYSTEMS LTD	Virginia	ARMY	RDTE/Other Defense-Management & Support		2,087
	AXIOM CORPORATION	Virginia	USAF	RDTE/Other Defense-Management & Support		49
	B K DYNAMICS INC	Maryland	NAVY	RDTE/Other Defense-Management & Support		75
	B-K DYNAMICS INC	Maryland	NAVY	RDTE/Other Defense-Management & Support		26
	BDM INTERNATIONAL INC	California	NAVY	RDTE/Other Defense-Management & Support		272
		Virginia	NAVY	RDTE/Other Defense-Management & Support		99
	CONTRACTOR TOTAL					372
	BDM MANAGEMENT SERVICES CO	California	NAVY	RDTE/Other Defense-Management & Support		415
	BETAC CORPORATION	Texas	USAF	RDTE/Other Defense-Management & Support		133
	BIOMAGNETIC TECHNOLOGIES INC	California	USAF	RDTE/Other Defense-Management & Support		75
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/Other Defense-Management & Support		625
	BRTRC INC	Virginia	ARMY	RDTE/Other Defense-Management & Support		378
	CALSPAN CORPORATION	New York	USAF	RDTE/Other Defense-Management & Support		792

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD96 (CONTINUED)						
	CAPE COD RESEARCH INC	Mass	USAF	RDTE/Other Defense-Management & Support	$	106
	CASTLE TECHNOLOGY CORP	Mass	NAVY	RDTE/Other Defense-Management & Support		32
	CCS ASSOCIATES	Penn	USAF	RDTE/Other Defense-Management & Support		63
	CFD RESEARCH CORPORATION	Alabama	USAF	RDTE/Other Defense-Management & Support		250
	CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/Other Defense-Management & Support		249
	COCKERHAM JOHN M & ASSOCIATES	Alabama	ARMY	RDTE/Other Defense-Management & Support		85
	COMPUTER COMMAND CTRL COMPANY	Penn	NAVY	RDTE/Other Defense-Management & Support		70
	CREARE INC	N.H.	USAF	RDTE/Other Defense-Management & Support		135
	CREE RESEARCH INC	N Carolina	USAF	RDTE/Other Defense-Management & Support		50
	DEEGAN RESEARCH GROUP INC	Rhode Isld	USAF	RDTE/Other Defense-Management & Support		45
	DEVELOPMENTAL SCIENCES CORP	California	ARMY	RDTE/Other Defense-Management & Support		2,037
	E I C LABORATORY INC	Maryland	USAF	RDTE/Other Defense-Management & Support		59
		Mass	USAF	RDTE/Other Defense-Management & Support		250
	CONTRACTOR TOTAL					309
	E TEK DYNAMICS INC	Florida	USAF	RDTE/Other Defense-Management & Support		150
	EG&G WASHINGTON ANALYTICAL SVC	Maryland	NAVY	RDTE/Other Defense-Management & Support		229
	EIDETICS INTERNATIONAL INC	California	USAF	RDTE/Other Defense-Management & Support		228
	ELASTOMERIC TECHNOLOGIES	Penn	USAF	RDTE/Other Defense-Management & Support		50
	ELECTRO MAGNETIC APPLICATION	Colorado	ARMY	RDTE/Other Defense-Management & Support		155
	ELECTRO-OPTEK CORPORATION	California	USAF	RDTE/Other Defense-Management & Support		50
	ELECTRO-RADIATION INC	New Jersey	USAF	RDTE/Other Defense-Management & Support		48
	ELECTRODYNE SYSTEMS CORP	New Jersey	NAVY	RDTE/Other Defense-Management & Support		126
	EMF SYSTEMS INC	California	USAF	RDTE/Other Defense-Management & Support		50
	ENERGY MATTER CONVERSION CORP	Virginia	NAVY	RDTE/Other Defense-Management & Support		49

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD96 (CONTINUED)						
	FIBER MATERIALS INC	Maine	USAF	RDTE/Other Defense-Management & Support	$	47
	FLAM & RUSSELL INC	Penn	NAVY	RDTE/Other Defense-Management & Support		50
	FLOW RESEARCH INC	Washington	USAF	RDTE/Other Defense-Management & Support		775
	FOSTER MILLER INC	Mass	NAVY	RDTE/Other Defense-Management & Support		55
	FOSTER-MILLER INC	Mass	USAF	RDTE/Other Defense-Management & Support		1,040
	FRONTIER TECHNOLOGY INC	California	USAF	RDTE/Other Defense-Management & Support		196
		Ohio	USAF	RDTE/Other Defense-Management & Support		250
	CONTRACTOR TOTAL					446
	GENERAL ENGRG SYSTEMS ANALIS	Maryland	USAF	RDTE/Other Defense-Management & Support		121
	GENERAL IMAGING CORP	Florida	USAF	RDTE/Other Defense-Management & Support		60
	GENERAL RESEARCH CORPORATION	California	NAVY	RDTE/Other Defense-Management & Support		50
	GENERAL SCIENCES INC	Penn	USAF	RDTE/Other Defense-Management & Support		49
	GEO CENTERS INC	Mass	ARMY	RDTE/Other Defense-Management & Support		30
			NAVY	RDTE/Other Defense-Management & Support		1,096
	STATE TOTAL					1,127
	GEO-MICROBIAL TECHNOLOGIES	Oklahoma	NAVY	RDTE/Other Defense-Management & Support		50
	GUPTA PRADEEP K INC	New York	USAF	RDTE/Other Defense-Management & Support		50
	HUMAN RSRCES RES ORGANIZATION	Virginia	NAVY	RDTE/Other Defense-Management & Support		50
	I A P RESEARCH INC	Ohio	USAF	RDTE/Other Defense-Management & Support		115
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Other Defense-Management & Support		42
	IMAGING & SENSING TECHNOLOGY	New York	USAF	RDTE/Other Defense-Management & Support		135
	INFORMATION PLANNING ASSOC	Virginia	NAVY	RDTE/Other Defense-Management & Support		43
	INRAD INC	New Jersey	NAVY	RDTE/Other Defense-Management & Support		50
	INSTITUTE FOR DEF ANALYSES	Virginia	ARMY	RDTE/Other Defense-Management & Support		68,780

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#J1475; #O137298 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:13 AM [1 OF 1]
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#J1475; #O137298 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:13 AM [1 OF 1]

#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]
#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]
#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]

#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]
#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]
#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]

#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]
#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]
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#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]
#J1475, #O137299 * REPT405J, D350.DIOR; REPT405 * FRI, JAN 15, 1993, 11:30 AM [1 OF 1]

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
	INTELLISENSE CORPORATION	Mass	USAF	RDTE/Other Defense-Management & Support	$ 53
	INTERMETRICS INC	California	USAF	RDTE/Other Defense-Management & Support	1,857
	INTERN'L STRATEGIC TRADE, INC	Virginia	ARMY	RDTE/Other Defense-Management & Support	69
	INTRNTNL ELEC MATERIALS CORP	Ohio	ARMY	RDTE/Other Defense-Management & Support	50
	IRVINE SENSORS CORPORATION	California	USAF	RDTE/Other Defense-Management & Support	200
	ISX CORPORATION	Georgia	USAF	RDTE/Other Defense-Management & Support	53
	KAHN HARRY J ASSOCIATES INC	Maryland	NAVY	RDTE/Other Defense-Management & Support	328
	KEYSTONE COMPUTER ASSOCIATES	Maryland	NAVY	RDTE/Other Defense-Management & Support	55
		Penn	NAVY	RDTE/Other Defense-Management & Support	40
	CONTRACTOR TOTAL				95
	KLEIN ASSOCIATES INC	Ohio	USAF	RDTE/Other Defense-Management & Support	232
	KNOWLEDGE BASED SYSTEMS INC	Texas	USAF	RDTE/Other Defense-Management & Support	119
	LANXIDE CORP	Delaware	NAVY	RDTE/Other Defense-Management & Support	802
	LIGHTWAVE ELECTRONICS CORP	California	ARMY	RDTE/Other Defense-Management & Support	149
			USAF	RDTE/Other Defense-Management & Support	50
	STATE TOTAL				199
	LITHIUM ENERGY ASSOCIATES	Mass	USAF	RDTE/Other Defense-Management & Support	226
	M DOT INCORPORATED	Arizona	USAF	RDTE/Other Defense-Management & Support	54
	M L ENERGIA INC	New Jersey	USAF	RDTE/Other Defense-Management & Support	50
	M T L SYSTEMS INC	Ohio	USAF	RDTE/Other Defense-Management & Support	300
	MADEN TECH CONSULTING INC	Virginia	ARMY	RDTE/Other Defense-Management & Support	5,207
	MANAGEMENT CONSULTING & RES	Ohio	USAF	RDTE/Other Defense-Management & Support	54
	MAYFLOWER COMMUNICATION CORP	Mass	USAF	RDTE/Other Defense-Management & Support	147
	MDA ENGINEERING	Texas	USAF	RDTE/Other Defense-Management & Support	53

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD96 (CONTINUED)						
	MEMBRANE TECHNOLOGY & RESEARCH	California	USAF	RDTE/Other Defense-Management & Support	$	240
	MEMRY CORPORATION	Conn	USAF	RDTE/Other Defense-Management & Support		48
	MERIDIAN CORPORATION	Virginia	ARMY	RDTE/Other Defense-Management & Support		1,224
	MICROSCOPY RESEARCH LABS	New Jersey	NAVY	RDTE/Other Defense-Management & Support		100
	MICROSIM INC	Virginia	NAVY	RDTE/Other Defense-Management & Support		118
	MIKROS SYSTEMS CORPORATION	New Jersey	NAVY	RDTE/Other Defense-Management & Support		51
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/Other Defense-Management & Support		50
	MISSISSIPPI STATE UNIVERSITY	Miss	USAF	RDTE/Other Defense-Management & Support		75
	MODERN TECHNOLOGIES CORP	Ohio	ARMY	RDTE/Other Defense-Management & Support		1,513
	MOLTEN SALT TECHNOLOGY INC	Tennessee	USAF	RDTE/Other Defense-Management & Support		50
	NATIONAL ACADEMY SCIENCES USA	D.C.	NAVY	RDTE/Other Defense-Management & Support		537
	NAVTROL	Texas	USAF	RDTE/Other Defense-Management & Support		50
	NCHIP INC	California	USAF	RDTE/Other Defense-Management & Support		497
	NIGHT VISION CORPORATION	Illinois	USAF	RDTE/Other Defense-Management & Support		823
	OPHTHALMIC INSTRUMENTS INC	Colorado	USAF	RDTE/Other Defense-Management & Support		48
	OPTRA INC	Mass	USAF	RDTE/Other Defense-Management & Support		50
	ORTEL CORPORATION	California	USAF	RDTE/Other Defense-Management & Support		150
	PECHT ASSOCIATES	Maryland	USAF	RDTE/Other Defense-Management & Support		50
	PHYSICAL OPTICS CORPORATION	California	NAVY	RDTE/Other Defense-Management & Support		48
			USAF	RDTE/Other Defense-Management & Support		205
		STATE TOTAL				253
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/Other Defense-Management & Support		365
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/Other Defense-Management & Support		181
	PRC INC	Virginia	ARMY	RDTE/Other Defense-Management & Support		192

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
	PRECISION COMBUSTION INC	Conn	USAF	RDTE/Other Defense-Management & Support	$ 57
	PROGRESSIVE LRNG UNVSL MGMT	Maryland	USAF	RDTE/Other Defense-Management & Support	149
	QUANTEX CORPORATION	Maryland	USAF	RDTE/Other Defense-Management & Support	200
	QUANTITATIVE TECHNOLOGY CORP	Oregon	USAF	RDTE/Other Defense-Management & Support	50
	QUANTUM ELECTRONICS TECHNOLOGY	New York	USAF	RDTE/Other Defense-Management & Support	100
	RAND CORPORATION	California	ARMY	RDTE/Other Defense-Management & Support	41,482
	REAL TIME INTELLIGENT SYS CORP	Mass	USAF	RDTE/Other Defense-Management & Support	250
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/Other Defense-Management & Support	78
	RESOURCE TECHNOLOGIES GROUP	W Virginia	USAF	RDTE/Other Defense-Management & Support	135
	RIVERSIDE RESEARCH INSTITUTE	New York	NAVY	RDTE/Other Defense-Management & Support	200
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Other Defense-Management & Support	53
	S K W CORP	California	USAF	RDTE/Other Defense-Management & Support	48
	S-TRON	California	USAF	RDTE/Other Defense-Management & Support	38
	SAVANNAH RESEARCH ASSOC	Virginia	USAF	RDTE/Other Defense-Management & Support	415
	SCHMIDT INSTRUMENTS	Texas	NAVY	RDTE/Other Defense-Management & Support	125
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/Other Defense-Management & Support	250
	SCIENTIFIC AND ENGRG SFTWR	Texas	USAF	RDTE/Other Defense-Management & Support	65
	SCIENTIFIC RESEARCH ASSOC INC	Conn	USAF	RDTE/Other Defense-Management & Support	250
	SEMCOR INC	New Jersey	NAVY	RDTE/Other Defense-Management & Support	3,867
	SENTEL CORP	Florida	USAF	RDTE/Other Defense-Management & Support	2,143
	SERVIS DAVID A INC	Ohio	USAF	RDTE/Other Defense-Management & Support	150
	SILHOUETTE TECHNOLOGY INC	New Jersey	USAF	RDTE/Other Defense-Management & Support	59
	SIMPEX TECHNOLOGIES INC	California	ARMY	RDTE/Other Defense-Management & Support	48
	SINHA SACH AND ASSOC	California	USAF	RDTE/Other Defense-Management & Support	50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD96 (CONTINUED)						
	SONALYSTS INC	Conn	NAVY	RDTE/Other Defense-Management & Support	$	274
	SPARTA INC	California	USAF	RDTE/Other Defense-Management & Support		49
	SPIRE CORPORATION	Mass	USAF	RDTE/Other Defense-Management & Support		49
	SRI INTERNATIONAL	California	NAVY	RDTE/Other Defense-Management & Support		757
	SRS TECHNOLOGIES	Alabama	USAF	RDTE/Other Defense-Management & Support		200
	STRATEGIC ANALYSIS INC	Virginia	NAVY	RDTE/Other Defense-Management & Support		302
	STRESS TECHNOLOGY INC	New York	USAF	RDTE/Other Defense-Management & Support		275
	SUMMIT RESEARCH CORPORATION	Maryland	NAVY	RDTE/Other Defense-Management & Support		26
	SUPERCONDUCTOR TECHNOLOGIES	California	USAF	RDTE/Other Defense-Management & Support		59
	SYLVEST MANAGEMENT SYSTEM	Maryland	NAVY	RDTE/Other Defense-Management & Support		51
	SYSTEM PLANNING CORPORATION	Maryland	NAVY	RDTE/Other Defense-Management & Support		150
		Virginia	NAVY	RDTE/Other Defense-Management & Support		50
	CONTRACTOR TOTAL					200
	SYSTEMS SCIENCE APPPLICATION	California	NAVY	RDTE/Other Defense-Management & Support		123
	TACAN CORPORATION	California	USAF	RDTE/Other Defense-Management & Support		50
	TDA RESEARCH INC	Colorado	USAF	RDTE/Other Defense-Management & Support		250
	TECHNOLOGY INTERNATIONAL CORP	Mass	USAF	RDTE/Other Defense-Management & Support		250
	TEXAS MEDICAL INSTRUMENTS	Texas	ARMY	RDTE/Other Defense-Management & Support		64
	TOYON RESEARCH CORP	California	USAF	RDTE/Other Defense-Management & Support		240
	TRIANGLE RESEARCH & DEV CORP	N Carolina	NAVY	RDTE/Other Defense-Management & Support		49
	TRS CERAMICS INC	Penn	NAVY	RDTE/Other Defense-Management & Support		48
	UNISYS CORPORATION	Virginia	NAVY	RDTE/Other Defense-Management & Support		220
	UNITED STATES DEPT OF ENERGY	California	NAVY	RDTE/Other Defense-Management & Support		700
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/Other Defense-Management & Support		90

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AD96 (CONTINUED)						
	UNIVERSITY OF ROCHESTER	New York	USAF	RDTE/Other Defense-Management & Support	$	250
	VATELL CORPORATION	Virginia	USAF	RDTE/Other Defense-Management & Support		48
	VIASAT INC	California	NAVY	RDTE/Other Defense-Management & Support		50
	VISTA TECHNOLOGIES INC	Illinois	USAF	RDTE/Other Defense-Management & Support		246
	WILLIAMSON CONSULTING	Ohio	USAF	RDTE/Other Defense-Management & Support		31
	WINDROCK INC	Tennessee	USAF	RDTE/Other Defense-Management & Support		47
	WYLE LABORATORIES	California	USAF	RDTE/Other Defense-Management & Support		517
	XONTECH INC	California	NAVY	RDTE/Other Defense-Management & Support		144
			USAF	RDTE/Other Defense-Management & Support		54
		STATE TOTAL				198
	ZALLEN INTERNATIONAL ASSOC	New Mexico	USAF	RDTE/Other Defense-Management & Support		252
	R&D TOTAL					159,506
AE14	INTERMETRICS INC	Penn	NAVY	RDTE/Emplymnt Growth & Productivity-Engr D		128
AE21	EER SYSTEMS CORPORATION	Virginia	USAF	RDTE/Product or Srvc Improvement-Basic Res		746
	MANAGEMENT CONSULTING & RES	Virginia	USAF	RDTE/Product or Srvc Improvement-Basic Res		2,073
	TECOLOTE RESEARCH INC	California	USAF	RDTE/Product or Srvc Improvement-Basic Res		5,623
	R&D TOTAL					8,441
AE25	EDISON INDUSTRIAL SYSTEMS CTR	Ohio	USAF	RDTE/Product or Srvc Improvement-Op System		28
AE31	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/Manufacturing Technology-Basic Resear		370
AE32	ACCU SORT SYSTEMS INC	Penn	NAVY	RDTE/Manufacturing Technology-Exploratory		45
	AMERICAN WELDING INSTITUTE	Tennessee	NAVY	RDTE/Manufacturing Technology-Exploratory		1,000
	MRS TECHNOLOGY INC	Mass	USAF	RDTE/Manufacturing Technology-Exploratory		4,059
	R&D TOTAL					5,104
AE33	LEHIGH UNIVERSITY	Penn	NAVY	RDTE/Manufacturing Technology-Advanced Dev		797

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AE33 (CONTINUED)						
	UES INC	Ohio	USAF	RDTE/Manufacturing Technology-Advanced Dev	$	400
	UNIVERSITY OF PITTSBURGH	Penn	NAVY	RDTE/Manufacturing Technology-Advanced Dev		16,350
R&D TOTAL						17,547
AE34	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/Manufacturing Technology-Engr Develop		196
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Manufacturing Technology-Engr Develop		76
R&D TOTAL						272
AE35	3M	Minnesota	USAF	RDTE/Manufacturing Technology-Op Systems D		900
	AKTIS CORPORATION	California	USAF	RDTE/Manufacturing Technology-Op Systems D		1,099
	ALLIED SIGNAL AEROSPACE CO	Arizona	USAF	RDTE/Manufacturing Technology-Op Systems D		900
	APPLIED SOLAR ENERGY CORP	California	USAF	RDTE/Manufacturing Technology-Op Systems D		438
	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/Manufacturing Technology-Op Systems D		320
	AVCO CORPORATION	Ohio	USAF	RDTE/Manufacturing Technology-Op Systems D		8,180
	BOEING COMPANY THE	Penn	USAF	RDTE/Manufacturing Technology-Op Systems D		698
		Washington	USAF	RDTE/Manufacturing Technology-Op Systems D		2,000
	CONTRACTOR TOTAL					2,698
	CENTRAL STATE UNIVERSITY	Ohio	USAF	RDTE/Manufacturing Technology-Op Systems D		263
	CINCINNATI MILACRON MKTG CO	Ohio	USAF	RDTE/Manufacturing Technology-Op Systems D		93
	CLEMSON UNIVERSITY	New Mexico	DLA	RDTE/Manufacturing Technology-Op Systems D		72
		S Carolina	DLA	RDTE/Manufacturing Technology-Op Systems D		318
	CONTRACTOR TOTAL					390
	CORPORATION FOR OPEN	Virginia	USAF	RDTE/Manufacturing Technology-Op Systems D		117
	DRAVO CORPORATION	Penn	USAF	RDTE/Manufacturing Technology-Op Systems D		1,650
	FASHION INST OF TECHNOLOGY	New York	DLA	RDTE/Manufacturing Technology-Op Systems D		868
	FLORIDA INTERNATIONAL UNIV	Florida	USAF	RDTE/Manufacturing Technology-Op Systems D		53

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AE35 (CONTINUED)						
	GARD DIVISION	Illinois	ARMY	RDTE/Manufacturing Technology-Op Systems D	$	56
	GENERAL ATOMICS	California	USAF	RDTE/Manufacturing Technology-Op Systems D		3,056
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Manufacturing Technology-Op Systems D		856
	GENERAL ELECTRIC COMPANY	Ohio	USAF	RDTE/Manufacturing Technology-Op Systems D		2,141
	GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/Manufacturing Technology-Op Systems D		100
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/Manufacturing Technology-Op Systems D		789
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Manufacturing Technology-Op Systems D		359
			DLA	RDTE/Manufacturing Technology-Op Systems D		666
		STATE TOTAL				1,025
	HONEYWELL INC	Minnesota	USAF	RDTE/Manufacturing Technology-Op Systems D		200
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Manufacturing Technology-Op Systems D		1,000
	INDUSTRIAL TCHNLOGY INSTITUTE	Michigan	USAF	RDTE/Manufacturing Technology-Op Systems D		87
	INTERMETRICS INC	Virginia	USAF	RDTE/Manufacturing Technology-Op Systems D		1,000
	LAWRENCE ASSOCIATES INC	Ohio	USAF	RDTE/Manufacturing Technology-Op Systems D		11,708
	LITTON INDUSTRIES INC	California	USAF	RDTE/Manufacturing Technology-Op Systems D		153
	LITTON SYSTEMS INC	California	USAF	RDTE/Manufacturing Technology-Op Systems D		161
	LOCKHEED CORPORATION	Georgia	USAF	RDTE/Manufacturing Technology-Op Systems D		44
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Manufacturing Technology-Op Systems D		2,900
	MCDONNELL AIRCRAFT COMPANY	Missouri	USAF	RDTE/Manufacturing Technology-Op Systems D		1,150
	MCDONNELL DOUGLAS MSL SYS CO	Missouri	USAF	RDTE/Manufacturing Technology-Op Systems D		137
	MECHANICAL TECHNOLOGY INC	New York	ARMY	RDTE/Manufacturing Technology-Op Systems D		30
			USAF	RDTE/Manufacturing Technology-Op Systems D		150
		STATE TOTAL				180
	MICROLECTRONICS CMPT TECH CORP	Texas	USAF	RDTE/Manufacturing Technology-Op Systems D		1,000
	NATIONAL SEMICONDUCTOR CORP	California	USAF	RDTE/Manufacturing Technology-Op Systems D		356

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AE35 (CONTINUED)						
	NEW JERSEY INST OF	New Jersey	USAF	RDTE/Manufacturing Technology-Op Systems D	$	300
	NORTH CAROLINA A&T STATE UNIV	N Carolina	USAF	RDTE/Manufacturing Technology-Op Systems D		135
	NORTH CAROLINA STATE OF	N Carolina	DLA	RDTE/Manufacturing Technology-Op Systems D		806
	NORTHROP CORPORATION	California	USAF	RDTE/Manufacturing Technology-Op Systems D		3,572
		Illinois	USAF	RDTE/Manufacturing Technology-Op Systems D		900
	CONTRACTOR TOTAL					4,472
	ONTEK CORPORATION	California	USAF	RDTE/Manufacturing Technology-Op Systems D		760
	PHOTON DYNAMICS INC	California	USAF	RDTE/Manufacturing Technology-Op Systems D		3,387
	R J O ENTERPRISES INC	Ohio	USAF	RDTE/Manufacturing Technology-Op Systems D		162
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/Manufacturing Technology-Op Systems D		1,500
	SOUTH CAROLINA RESCH AUTHORITY	S Carolina	USAF	RDTE/Manufacturing Technology-Op Systems D		800
	SOUTH CAROLINA STATE OF	S Carolina	USAF	RDTE/Manufacturing Technology-Op Systems D		400
	SOUTHWEST RESEARCH INSTITUTE	Texas	USAF	RDTE/Manufacturing Technology-Op Systems D		169
	SPECTRUM SCIENCES INC	California	USAF	RDTE/Manufacturing Technology-Op Systems D		2,140
	TASC	Mass	USAF	RDTE/Manufacturing Technology-Op Systems D		2,305
	TELEDYNE INDUSTRIES INC	Ohio	USAF	RDTE/Manufacturing Technology-Op Systems D		500
	TEXAS INSTRS WESTINGHOUSE JV	Texas	USAF	RDTE/Manufacturing Technology-Op Systems D		2,990
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/Manufacturing Technology-Op Systems D		14,564
	TRW INC	California	USAF	RDTE/Manufacturing Technology-Op Systems D		73
	UES INC	Ohio	USAF	RDTE/Manufacturing Technology-Op Systems D		600
	UNITED TECHNOLOGIES CORP	Florida	USAF	RDTE/Manufacturing Technology-Op Systems D		2,679
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Manufacturing Technology-Op Systems D		60
	UNIVERSITY OF MICHIGAN	Michigan	USAF	RDTE/Manufacturing Technology-Op Systems D		400
	USBI CO INC	Alabama	USAF	RDTE/Manufacturing Technology-Op Systems D		2,697

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AE35 (CONTINUED)						
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/Manufacturing Technology-Op Systems D	$	1,280
		Penn	USAF	RDTE/Manufacturing Technology-Op Systems D		200
	CONTRACTOR TOTAL					1,480
	XMR INC	California	USAF	RDTE/Manufacturing Technology-Op Systems D		1,064
	R&D TOTAL					90,514
AF12	S I P I BOARD OF REGENTS	New Mexico	ARMY	RDTE/Education-Exploratory Development		50
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/Education-Exploratory Development		194
	R&D TOTAL					245
AF16	COLLEGE BOARD THE	D.C.	ARMY	RDTE/Education-Management & Support		61
	MCGOWEN SA	PANAMA	ARMY	RDTE/Education-Management & Support		1,269
	R&D TOTAL					1,330
AG84	CENTAURUS SOFTWARE INC	California	USAF	RDTE/Conservation of Energy - Engineering		42
AG91	BEN LANGLEY & ASSOCIATES	Wisconsin	USAF	RDTE/Other Energy - Basic Research		45
	SUPERCONDUCTIVITY	Wisconsin	USAF	RDTE/Other Energy - Basic Research		49
	R&D TOTAL					94
AG92	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/Other Energy - Exploratory Developmen		125
AH11	CONTINUUM DYNAMICS INC	New Jersey	USAF	RDTE/Pollution Cntl & Abatement-Basic Rese		49
	CORNELL UNIVERSITY	New York	USAF	RDTE/Pollution Cntl & Abatement-Basic Rese		90
	UDELL TECHNOLOGIES	California	USAF	RDTE/Pollution Cntl & Abatement-Basic Rese		47
	R&D TOTAL					186
AH12	AEROSPACE DESIGN & DEV	Colorado	USAF	RDTE/Pollution Cntl & Abatement-Explorator		50
	GENERAL ELECTRIC COMPANY	Florida	USAF	RDTE/Pollution Cntl & Abatement-Explorator		382
	SPACE INDUSTRIES INTERNATIONAL	Texas	USAF	RDTE/Pollution Cntl & Abatement-Explorator		49
	R&D TOTAL					480

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AH13	INRAD INC	New Jersey	USAF	RDTE/Pollution Cntl & Abatement-Advanced D	$	314
AH21	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/Air Pollution-Basic Research		2,264
AH22	ADVANCED FUEL RESEARCH INC	Conn	ARMY	RDTE/Air Pollution-Exploratory Development		250
AH26	FOSTER MILLER INC	Mass	USAF	RDTE/Air Pollution-Management & Support		106
	M L ENERGIA INC	New Jersey	USAF	RDTE/Air Pollution-Management & Support		380
	WINTEC INC	Florida	USAF	RDTE/Air Pollution-Management & Support		383
	R&D TOTAL					869
AH31	E I C LABORATORIES INC	Mass	USAF	RDTE/Water Pollution-Basic Research		62
	MICHIGAN TCHNLGCAL UNIVERSITY	Michigan	USAF	RDTE/Water Pollution-Basic Research		192
	R&D TOTAL					254
AH91	GENERAL ATOMICS	California	USAF	RDTE/Other Environmental Protection-Basic		293
	MC CLENAHAN & HOPKINS ASSOC	California	NAVY	RDTE/Other Environmental Protection-Basic		150
	REJEN COMPANY THE	California	USAF	RDTE/Other Environmental Protection-Basic		50
	SURFACTANT ASSOCS	Oklahoma	USAF	RDTE/Other Environmental Protection-Basic		50
	TRAVERSE GROUP INCORPORATED	Michigan	USAF	RDTE/Other Environmental Protection-Basic		42
	R&D TOTAL					585
AH92	ADVANCED SCIENCES INC	Florida	USAF	RDTE/Other Environmental Protection-Explor		1,948
	AUTOMATION RES SYSTEMS LTD	Maryland	ARMY	RDTE/Other Environmental Protection-Explor		64
		Virginia	ARMY	RDTE/Other Environmental Protection-Explor		283
	CONTRACTOR TOTAL					347
	INTERNATIONAL TECHNOLOGY CORP	Maryland	ARMY	RDTE/Other Environmental Protection-Explor		86
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Other Environmental Protection-Explor		106
	SOUTHEASTN CTR ELECTR ENG ED	New Jersey	USAF	RDTE/Other Environmental Protection-Explor		37
	UDELL TECHNOLOGIES	California	NAVY	RDTE/Other Environmental Protection-Explor		258
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/Other Environmental Protection-Explor		143
	WESTON ROY F INC	Penn	ARMY	RDTE/Other Environmental Protection-Explor		838

Prepared By: Washington Headquarters Services
Directorate for Information
Operations and Reports

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 3,763
AH94	BIOTRONICS TECHNOLOGIES INC	Wisconsin	USAF	RDTE/Other Environmental Protection-Engr D	57
	GENERAL ATOMICS	California	USAF	RDTE/Other Environmental Protection-Engr D	2,100
	R&D TOTAL				2,157
AH96	NATIONAL DEFENSE ENVMTL CORP	Penn	ARMY	RDTE/Other Environmental Protection-Mgmt &	5,650
AJ11	ADVANCED TECHNOLOGY MATERIALS	Conn	USAF	RDTE/Physical Sciences - Basic Research	49
	AEROCHEM RESEARCH LABORATORIES	New Jersey	USAF	RDTE/Physical Sciences - Basic Research	70
	ALPHATECH INC	Mass	USAF	RDTE/Physical Sciences - Basic Research	150
	AMPTEK INC	Mass	USAF	RDTE/Physical Sciences - Basic Research	60
	AMRON CORPORATION	Virginia	NAVY	RDTE/Physical Sciences - Basic Research	55
	APPLIED ANALYSIS INC	Mass	USAF	RDTE/Physical Sciences - Basic Research	365
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/Physical Sciences - Basic Research	34
	ARCO POWER TECHNOLOGIES INC	D.C.	USAF	RDTE/Physical Sciences - Basic Research	293
	ARCON CORPORATION	Mass	USAF	RDTE/Physical Sciences - Basic Research	280
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF	RDTE/Physical Sciences - Basic Research	178
	ATLANTIC RESEARCH CORPORATION	Maryland	USAF	RDTE/Physical Sciences - Basic kesearch	326
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/Physical Sciences - Basic Research	394
	AWARE INC	Mass	USAF	RDTE/Physical Sciences - Basic Research	479
	BDM MANAGEMENT SERVICES CO	Virginia	USAF	RDTE/Physical Sciences - Basic Research	190
	BELL COMMUNICATIONS RESEARCH	New Jersey	USAF	RDTE/Physical Sciences - Basic Research	76
	BERKELEY APPLIED SCI	California	USAF	RDTE/Physical Sciences - Basic Research	148
	BOEING COMPANY THE	Washington	USAF	RDTE/Physical Sciences - Basic Research	158
	BOSTON COLLEGE TRUSTEES OF	Mass	USAF	RDTE/Physical Sciences - Basic Research	2,993
	BOSTON UNIVERSITY	Mass	USAF	RDTE/Physical Sciences - Basic Research	637
	CAELUM RESEARCH CORP	Maryland	USAF	RDTE/Physical Sciences - Basic Research	43

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	CALSPAN CORPORATION	New York	USAF	RDTE/Physical Sciences - Basic Research	$ 2,500
	CAMBRIDGE HYDRO DYNAMICS INC	New Jersey	USAF	RDTE/Physical Sciences - Basic Research	71
	CANETICS INC	California	USAF	RDTE/Physical Sciences - Basic Research	91
	CARNEGIE MELLON UNIVERSITY	Penn	USAF	RDTE/Physical Sciences - Basic Research	30
	CITY UNIVERSITY OF NEW YORK	New York	USAF	RDTE/Physical Sciences - Basic Research	100
	COGNITECH INC	California	USAF	RDTE/Physical Sciences - Basic Research	112
	COLORADO SEMINARY	Colorado	USAF	RDTE/Physical Sciences - Basic Research	208
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/Physical Sciences - Basic Research	43
	COMPUTATIONAL MECHANICS CORP	Texas	USAF	RDTE/Physical Sciences - Basic Research	141
	COMPUTATIONAL PHYSICS INC	Mass	USAF	RDTE/Physical Sciences - Basic Research	160
	CONNECTICUT STATE OF	Conn	USAF	RDTE/Physical Sciences - Basic Research	50
	CORNELL UNIVERSITY	New York	USAF	RDTE/Physical Sciences - Basic Research	617
	CRYSTALLUME	California	USAF	RDTE/Physical Sciences - Basic Research	64
	DARTMOUTH COLLEGE	N.H.	USAF	RDTE/Physical Sciences - Basic Research	100
	DAVID SARNOFF RESEARCH CENTER	New Jersey	USAF	RDTE/Physical Sciences - Basic Research	523
	DEVANEY A J ASSOCIATES INC	Mass	USAF	RDTE/Physical Sciences - Basic Research	29
	DEVELOSOFT CORP	Colorado	USAF	RDTE/Physical Sciences - Basic Research	47
	DEXTER CORPORATION	California	USAF	RDTE/Physical Sciences - Basic Research	35
	DIGITAL INSTRUMENTS INC	California	USAF	RDTE/Physical Sciences - Basic Research	150
	DISPLAYTECH INC	Colorado	USAF	RDTE/Physical Sciences - Basic Research	56
	DUKE UNIVERSITY	N Carolina	USAF	RDTE/Physical Sciences - Basic Research	80
	E E G SYSTEMS LABORATORY INC	California	USAF	RDTE/Physical Sciences - Basic Research	175
	ELECTRONIC MATERIALS ENGRG	California	USAF	RDTE/Physical Sciences - Basic Research	57
	ENSCO INC	Virginia	USAF	RDTE/Physical Sciences - Basic Research	83

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ11 (CONTINUED)						
	EPIR LIMITED INC	Illinois	USAF	RDTE/Physical Sciences - Basic Research	$	380
	EVI INCORPORATED	Maryland	ARMY	RDTE/Physical Sciences - Basic Research		55
	FLORIDA A & M UNIVERSITY	Florida	USAF	RDTE/Physical Sciences - Basic Research		147
	FRONTIER TECHNOLOGY INC	California	USAF	RDTE/Physical Sciences - Basic Research		50
	GENERAL ATOMICS	California	USAF	RDTE/Physical Sciences - Basic Research		744
	GENERAL ELECTRIC COMPANY	New Jersey	USAF	RDTE/Physical Sciences - Basic Research		99
		New York	USAF	RDTE/Physical Sciences - Basic Research		1,036
		Ohio	USAF	RDTE/Physical Sciences - Basic Research		152
	CONTRACTOR TOTAL					1,287
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/Physical Sciences - Basic Research		251
		Mass	USAF	RDTE/Physical Sciences - Basic Research		175
	CONTRACTOR TOTAL					426
	GEO CENTERS INC	D.C.	NAVY	RDTE/Physical Sciences - Basic Research		70
	GEORGE MASON UNIVERSITY	Virginia	USAF	RDTE/Physical Sciences - Basic Research		100
	GEORGIA TECH RESEARCH CORP	Georgia	USAF	RDTE/Physical Sciences - Basic Research		45
	GORCA SYSTEMS INCORPORATED	New Jersey	USAF	RDTE/Physical Sciences - Basic Research		40
	HARRIS CORPORATION	Florida	USAF	RDTE/Physical Sciences - Basic Research		81
	HARVARD UNIVERSITY	Mass	USAF	RDTE/Physical Sciences - Basic Research		50
	HEBREW UNIVERSITY OF JERUSALEM	ISRAEL	ARMY	RDTE/Physical Sciences - Basic Research		90
	HONEYWELL INC	Minnesota	USAF	RDTE/Physical Sciences - Basic Research		219
	HOWARD UNIVERSITY	D.C.	USAF	RDTE/Physical Sciences - Basic Research		257
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Physical Sciences - Basic Research		554
		Maryland	USAF	RDTE/Physical Sciences - Basic Research		61
	CONTRACTOR TOTAL					615

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ11 (CONTINUED)						
	IBIS TECHNOLOGY CORP	Mass	USAF	RDTE/Physical Sciences - Basic Research	$	135
	INTEGRATED SYSTEMS INC	California	USAF	RDTE/Physical Sciences - Basic Research		77
	INTERNATIONAL BUS MCHS CORP	California	USAF	RDTE/Physical Sciences - Basic Research		65
	INTERSPEC INC	Penn	USAF	RDTE/Physical Sciences - Basic Research		135
	JACKSON STATE UNIVERSITY	Miss	USAF	RDTE/Physical Sciences - Basic Research		74
	JAMIESON SCIENCE & ENGINEERING	California	USAF	RDTE/Physical Sciences - Basic Research		168
	JCS SYSTEMS INC	Mass	USAF	RDTE/Physical Sciences - Basic Research		40
	KEO CONSULTANTS	Mass	USAF	RDTE/Physical Sciences - Basic Research		616
	KESTREL INSTITUTE	California	USAF	RDTE/Physical Sciences - Basic Research		100
	KOPIN CORPORATION	Mass	USAF	RDTE/Physical Sciences - Basic Research		42
	KTAADN INC	Mass	USAF	RDTE/Physical Sciences - Basic Research		95
	LASER PHOTONICS	New York	USAF	RDTE/Physical Sciences - Basic Research		305
	LIGHTWAVE ELECTRONICS CORP	California	USAF	RDTE/Physical Sciences - Basic Research		264
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Physical Sciences - Basic Research		623
	LOUISIANA STATE UNIV SYSTEM	Louisiana	USAF	RDTE/Physical Sciences - Basic Research		70
	MAN LABS INC	Mass	USAF	RDTE/Physical Sciences - Basic Research		82
	MARTIN MARIETTA CORPORATION	Maryland	USAF	RDTE/Physical Sciences - Basic Research		144
	MARTIN SYSTEMS INC	Mass	USAF	RDTE/Physical Sciences - Basic Research		48
	MASSACHUSETTS INST OF TCHNOLOG	Mass	USAF	RDTE/Physical Sciences - Basic Research		578
	MATERIALS SCIENCES CORP	Penn	USAF	RDTE/Physical Sciences - Basic Research		110
	MATIS INC	Georgia	USAF	RDTE/Physical Sciences - Basic Research		59
	MAXWELL LABORATORIES INC	Virginia	USAF	RDTE/Physical Sciences - Basic Research		200
	MAYFLOWER COMMUNICATION CORP	Mass	USAF	RDTE/Physical Sciences - Basic Research		101
	MCDONNELL DOUGLAS CORPORATION	California	USAF	RDTE/Physical Sciences - Basic Research		203
		Missouri	USAF	RDTE/Physical Sciences - Basic Research		212

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	CONTRACTOR TOTAL				$ 415
	MEHARRY MEDICAL COLLEGE	N Carolina	USAF	RDTE/Physical Sciences - Basic Research	159
	MICHIGAN STATE UNIVERSITY	Michigan	ARMY	RDTE/Physical Sciences - Basic Research	181
	MIMD SYSTEMS INC	California	USAF	RDTE/Physical Sciences - Basic Research	555
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/Physical Sciences - Basic Research	266
		N.H.	USAF	RDTE/Physical Sciences - Basic Research	215
	CONTRACTOR TOTAL				481
	MISSISSIPPI STATE UNIVERSITY	Miss	USAF	RDTE/Physical Sciences - Basic Research	87
	MSNW INC	California	USAF	RDTE/Physical Sciences - Basic Research	50
	NATIONAL ACADEMY SCIENCES USA	D.C.	USAF	RDTE/Physical Sciences - Basic Research	2,989
	NEW MEXICO STATE UNIVERSITY	New Mexico	USAF	RDTE/Physical Sciences - Basic Research	349
	NIELSEN ENGINEERING & RES	California	USAF	RDTE/Physical Sciences - Basic Research	174
	NORTH CAROLINA A&T STATE UNIV	N Carolina	USAF	RDTE/Physical Sciences - Basic Research	58
	NORTH CAROLINA CENTRAL UNIV	N Carolina	USAF	RDTE/Physical Sciences - Basic Research	62
	NORTHEASTERN UNIVERSITY CORP	Mass	USAF	RDTE/Physical Sciences - Basic Research	126
	NORTHWEST RESEARCH ASSOC JV	Washington	USAF	RDTE/Physical Sciences - Basic Research	622
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/Physical Sciences - Basic Research	86
	OPTIVISION INC	California	USAF	RDTE/Physical Sciences - Basic Research	400
	OREGON GRAD CTR STUDY RESEARCH	Oregon	NAVY	RDTE/Physical Sciences - Basic Research	100
	ORION INTERNATIONAL TECH	Mass	USAF	RDTE/Physical Sciences - Basic Research	144
	P C O INC	California	USAF	RDTE/Physical Sciences - Basic Research	70-
	PAQ COMMUNICATIONS	California	USAF	RDTE/Physical Sciences - Basic Research	49
	PHOTONICS RESEARCH INC	Colorado	USAF	RDTE/Physical Sciences - Basic Research	135
	PHRAXOS RESEARCH & DEV	California	USAF	RDTE/Physical Sciences - Basic Research	50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	PHYSICAL OPTICS CORPORATION	California	USAF	RDTE/Physical Sciences - Basic Research	$ 331
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/Physical Sciences - Basic Research	884
	PRINCETON UNIVERSITY	New Jersey	USAF	RDTE/Physical Sciences - Basic Research	100
	PROMETHEUS INC	Rhode Isld	USAF	RDTE/Physical Sciences - Basic Research	49
	QUANTUM EPITAXIAL	Penn	USAF	RDTE/Physical Sciences - Basic Research	50
	R D P INC	Mass	USAF	RDTE/Physical Sciences - Basic Research	408
	RENSSELAER POLYTECHNIC INST	New York	USAF	RDTE/Physical Sciences - Basic Research	483
	RESEARCH & DEV LABORATORIES	California	USAF	RDTE/Physical Sciences - Basic Research	763
	RESEARCH FOUNDTN OF UNIV OF NY	New York	USAF	RDTE/Physical Sciences - Basic Research	803
	RICE WILLIAM MARSH UNIVERSITY	Texas	USAF	RDTE/Physical Sciences - Basic Research	437
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Physical Sciences - Basic Research	1,078
	SAPHIKON INC	N.H.	USAF	RDTE/Physical Sciences - Basic Research	200
	SCIENCE APPLICATIONS INTL CORP	Virginia	NAVY	RDTE/Physical Sciences - Basic Research	50
	SCIENTIFIC RESEARCH ASSOC INC	Conn	USAF	RDTE/Physical Sciences - Basic Research	239
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/Physical Sciences - Basic Research	5,758
	SOUTHERN METHODIST UNIVERSITY	Texas	USAF	RDTE/Physical Sciences - Basic Research	50
	SOUTHWEST RESEARCH INSTITUTE	Texas	USAF	RDTE/Physical Sciences - Basic Research	313
	SPACE ENVIRONMENT CORPORATION	Utah	USAF	RDTE/Physical Sciences - Basic Research	153
	SPACE RESEARCH TECHNOLOGY INC	California	USAF	RDTE/Physical Sciences - Basic Research	259
	SPACE SCIENCES CORPORATION	New York	USAF	RDTE/Physical Sciences - Basic Research	103
	SPECTRAL SCIENCES INC	Mass	USAF	RDTE/Physical Sciences - Basic Research	1,511
	SPIRE CORPORATION	Mass	USAF	RDTE/Physical Sciences - Basic Research	240
	SRI INTERNATIONAL	California	USAF	RDTE/Physical Sciences - Basic Research	844
	STANFORD UNIVERSITY	California	USAF	RDTE/Physical Sciences - Basic Research	703

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ11 (CONTINUED)						
	SUPERCONDUCTOR TECHNOLOGIES	California	USAF	RDTE/Physical Sciences - Basic Research	$	168
	SYSTEMS INTEGRATION ENGINEER	Mass	USAF	RDTE/Physical Sciences - Basic Research		1,095
	TERA RESEARCH INC	California	USAF	RDTE/Physical Sciences - Basic Research		46
	TEXAS A & M RESEARCH FDN	Texas	USAF	RDTE/Physical Sciences - Basic Research		170
	TEXAS A & M UNIVERSITY	Texas	USAF	RDTE/Physical Sciences - Basic Research		130
	TRUSTEES COLUMBIA UNIV	New York	NAVY	RDTE/Physical Sciences - Basic Research		65
			USAF	RDTE/Physical Sciences - Basic Research		292
		STATE TOTAL				357
	TRW INC	California	USAF	RDTE/Physical Sciences - Basic Research		140
	TUFTS UNIVERSITY	Mass	USAF	RDTE/Physical Sciences - Basic Research		82
	UES INC	Ohio	USAF	RDTE/Physical Sciences - Basic Research		242
	UNITED KINGDOM AUTOMIC	UNITED KIN	USAF	RDTE/Physical Sciences - Basic Research		1,035
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/Physical Sciences - Basic Research		738
	UNIV OF MD BALTIMORE COUNTY	Maryland	USAF	RDTE/Physical Sciences - Basic Research		75
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/Physical Sciences - Basic Research		873
	UNIVERSITY OF ARKANSAS	Arkansas	USAF	RDTE/Physical Sciences - Basic Research		106
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/Physical Sciences - Basic Research		150
			USAF	RDTE/Physical Sciences - Basic Research		2,898
		STATE TOTAL				3,048
	UNIVERSITY OF CINCINNATI	Ohio	USAF	RDTE/Physical Sciences - Basic Research		54
	UNIVERSITY OF COLORADO	Colorado	USAF	RDTE/Physical Sciences - Basic Research		291
	UNIVERSITY OF DUBLIN	UNITED KIN	ARMY	RDTE/Physical Sciences - Basic Research		28
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/Physical Sciences - Basic Research		251
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/Physical Sciences - Basic Research		327
	UNIVERSITY OF LOUISVILLE	Kentucky	USAF	RDTE/Physical Sciences - Basic Research		75

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ11 (CONTINUED)						
	UNIVERSITY OF LOWELL	Mass	USAF	RDTE/Physical Sciences - Basic Research	$	605
	UNIVERSITY OF MASSACHUSETTS	Mass	USAF	RDTE/Physical Sciences - Basic Research		380
	UNIVERSITY OF MICHIGAN	Michigan	USAF	RDTE/Physical Sciences - Basic Research		279
	UNIVERSITY OF MINNESOTA	Minnesota	USAF	RDTE/Physical Sciences - Basic Research		160
	UNIVERSITY OF MISSISSIPPI	Miss	USAF	RDTE/Physical Sciences - Basic Research		100
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/Physical Sciences - Basic Research		294
	UNIVERSITY OF PENNSYLVANIA	Penn	USAF	RDTE/Physical Sciences - Basic Research		600
	UNIVERSITY OF PUERTO RICO	Puerto Ric	USAF	RDTE/Physical Sciences - Basic Research		75
	UNIVERSITY OF RHODE ISLAND	Rhode Isld	USAF	RDTE/Physical Sciences - Basic Research		82
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/Physical Sciences - Basic Research		1,357
	UNIVERSITY OF TECHNOLOGY	UNITED KIN	ARMY	RDTE/Physical Sciences - Basic Research		31
	UNIVERSITY OF TEXAS ARLINGTON	Texas	USAF	RDTE/Physical Sciences - Basic Research		60
	UNIVERSITY OF TEXAS AT AUSTIN	Texas	USAF	RDTE/Physical Sciences - Basic Research		685
	UNIVERSITY OF WASHINGTON	Washington	USAF	RDTE/Physical Sciences - Basic Research		103
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	USAF	RDTE/Physical Sciences - Basic Research		88
	UNIXPROS INC	New Jersey	USAF	RDTE/Physical Sciences - Basic Research		50
	UTAH STATE UNIVERSITY	Utah	USAF	RDTE/Physical Sciences - Basic Research		920
	UTD INC	Virginia	USAF	RDTE/Physical Sciences - Basic Research		96
	VIASAT INC	California	USAF	RDTE/Physical Sciences - Basic Research		1,612
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	USAF	RDTE/Physical Sciences - Basic Research		167
	VISIDYNE INC	Mass	USAF	RDTE/Physical Sciences - Basic Research		147
	W VIRGINIA INSTITUTE TECH	W Virginia	USAF	RDTE/Physical Sciences - Basic Research		248
	WAGNER DANIEL H ASSOCIATES	Virginia	USAF	RDTE/Physical Sciences - Basic Research		50
	WASHINGTON STATE UNIVERSITY	Washington	USAF	RDTE/Physical Sciences - Basic Research		50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ11 (CONTINUED)						
	WESTINGHOUSE ELECTRIC CORP	Penn	USAF	RDTE/Physical Sciences - Basic Research	$	407
	XEROX CORP	California	USAF	RDTE/Physical Sciences - Basic Research		223
	XMCO INC	Virginia	USAF	RDTE/Physical Sciences - Basic Research		45
	ZEGER ABRAMS INCORPORATED	Penn	USAF	RDTE/Physical Sciences - Basic Research		42
R&D TOTAL						62,587
AJ12	AERODYNE RESEARCH INC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		115
	AMPTEK INC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		513
	ANTECH SERVICES INC	California	ARMY	RDTE/Physical Sciences - Exploratory Devel		292
	ARCON CORPORATION	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		497
	ASSURANCE TECHNOLOGY CORP	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		560
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF	RDTE/Physical Sciences - Exploratory Devel		1,298
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		169
	AWARE INC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		634
	BOEING COMPANY THE	Washington	USAF	RDTE/Physical Sciences - Exploratory Devel		699
	BOSTON COLLEGE TRUSTEES OF	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		576
	CALIFORNIA URBAN INDIAN HEALTH	California	USAF	RDTE/Physical Sciences - Exploratory Devel		50
	CALSPAN CORPORATION	New York	USAF	RDTE/Physical Sciences - Exploratory Devel		3,058
	CANADIAN COMMERCIAL CORPORATI	CANADA	USAF	RDTE/Physical Sciences - Exploratory Devel		254
	CELCO INDUSTRIES INC	New Jersey	USAF	RDTE/Physical Sciences - Exploratory Devel		158
	CLEMSON UNIVERSITY	S Carolina	USAF	RDTE/Physical Sciences - Exploratory Devel		102
	COGNITECH INC	California	USAF	RDTE/Physical Sciences - Exploratory Devel		204
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/Physical Sciences - Exploratory Devel		120
	DAVID SARNOFF RESEARCH CENTER	New Jersey	USAF	RDTE/Physical Sciences - Exploratory Devel		644
	FAST MATH ALGOR & HARDWARE	Conn	USAF	RDTE/Physical Sciences - Exploratory Devel		133

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AJ12 (CONTINUED)					
	GENERAL ELECTRIC COMPANY	New York	USAF	RDTE/Physical Sciences - Exploratory Devel	$ 158
	GEOSPACE RESEARCH INC	California	USAF	RDTE/Physical Sciences - Exploratory Devel	62
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Physical Sciences - Exploratory Devel	715
	HUGHES ASSOCIATES INC	Maryland	USAF	RDTE/Physical Sciences - Exploratory Devel	98
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/Physical Sciences - Exploratory Devel	2,060
	INTEGRATED SYSTEMS INC	California	USAF	RDTE/Physical Sciences - Exploratory Devel	647
	INTERNATIONAL BUS MCHS CORP	California	USAF	RDTE/Physical Sciences - Exploratory Devel	146
		New York	USAF	RDTE/Physical Sciences - Exploratory Devel	304
	CONTRACTOR TOTAL				450
	INTERSCIENCE INC	New York	ARMY	RDTE/Physical Sciences - Exploratory Devel	180
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Physical Sciences - Exploratory Devel	896
	LORAL CORP	California	USAF	RDTE/Physical Sciences - Exploratory Devel	75
	MARTIN MARIETTA CORPORATION	Maryland	USAF	RDTE/Physical Sciences - Exploratory Devel	619
	MASSACHUSETTS INST OF TCHNOLOG	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	79
	MASSACHUSETTS TECH LAB	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	151
	MAXWELL LABORATORIES INC	California	USAF	RDTE/Physical Sciences - Exploratory Devel	225
	MCDONNELL DOUGLAS SPACE SYS CO	California	USAF	RDTE/Physical Sciences - Exploratory Devel	113
	MISSION GORGE RANGE CORP	California	USAF	RDTE/Physical Sciences - Exploratory Devel	70
	MISSION RESEARCH CORPORATION	N.H.	USAF	RDTE/Physical Sciences - Exploratory Devel	1,748
	MOSES HARRY E APPLIMATH CO	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	197
	NATIONAL ACADEMY SCIENCES USA	D.C.	USAF	RDTE/Physical Sciences - Exploratory Devel	1,120
	NAVSYS CORPORATION	Colorado	USAF	RDTE/Physical Sciences - Exploratory Devel	240
	NORTH CAROLINA STATE UNIV	N Carolina	USAF	RDTE/Physical Sciences - Exploratory Devel	35
	NORTHEASTERN UNIVERSITY CORP	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	770

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AJ12 (CONTINUED)					
	NORTHWEST RESEARCH ASSOC JV	Washington	USAF	RDTE/Physical Sciences - Exploratory Devel	$ 169
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/Physical Sciences - Exploratory Devel	501
	OREGON STATE UNIVERSITY	Oregon	USAF	RDTE/Physical Sciences - Exploratory Devel	120
	PACIFIC SIERRA RESEARCH CORP	California	USAF	RDTE/Physical Sciences - Exploratory Devel	202
	PANAMETRICS INC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	35
	PARKE MATHEMATICAL LABS INC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	458
	PENNSYLVANIA STATE UNIVERSITY	Penn	USAF	RDTE/Physical Sciences - Exploratory Devel	68
	PHOTO METRIC INC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	162
	PHYSICS MATHEMATICS & COMPUTER	New Mexico	NAVY	RDTE/Physical Sciences - Exploratory Devel	108
	PRINCETON UNIVERSITY	New Jersey	USAF	RDTE/Physical Sciences - Exploratory Devel	441
	RADEX INC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	179
	RENSSELAER POLYTECHNIC INST	New York	USAF	RDTE/Physical Sciences - Exploratory Devel	72
	RESEARCH SUPPORT INSTRUMENTS	Maryland	USAF	RDTE/Physical Sciences - Exploratory Devel	352
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Physical Sciences - Exploratory Devel	200
	ROYAL NORWEGION COUNCIL	NORWAY	USAF	RDTE/Physical Sciences - Exploratory Devel	443
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/Physical Sciences - Exploratory Devel	186
	SOUTHEASTERN CTR FOR	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	575
	SPARTA INC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	185
	SRI INTERNATIONAL	California	USAF	RDTE/Physical Sciences - Exploratory Devel	55
	STANFORD UNIVERSITY	California	USAF	RDTE/Physical Sciences - Exploratory Devel	840
	TASC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel	60
	TELEDYNE INDUSTRIES INC	Virginia	USAF	RDTE/Physical Sciences - Exploratory Devel	59
	TRUSTEES COLUMBIA UNIV	New York	USAF	RDTE/Physical Sciences - Exploratory Devel	202
	UES INC	Ohio	USAF	RDTE/Physical Sciences - Exploratory Devel	41

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ12 (CONTINUED)						
	ULTRAMET	California	USAF	RDTE/Physical Sciences - Exploratory Devel	$	130
	UNITED KINGDOM AUTOMIC	UNITED KIN	USAF	RDTE/Physical Sciences - Exploratory Devel		57
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/Physical Sciences - Exploratory Devel		245
	UNIVERSITY OF CHICAGO THE	Illinois	USAF	RDTE/Physical Sciences - Exploratory Devel		100
	UNIVERSITY OF EDINBURG	UNITED KIN	USAF	RDTE/Physical Sciences - Exploratory Devel		165
	UNIVERSITY OF IOWA THE	Iowa	USAF	RDTE/Physical Sciences - Exploratory Devel		78
	UNIVERSITY OF MARYLAND SYSTEM	Maryland	USAF	RDTE/Physical Sciences - Exploratory Devel		267
	UNIVERSITY OF MASSACHUSETTS	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		418
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/Physical Sciences - Exploratory Devel		860
	UNIVERSITY OF TEXAS AT DALLAS	N.H.	USAF	RDTE/Physical Sciences - Exploratory Devel		96
		Texas	USAF	RDTE/Physical Sciences - Exploratory Devel		204
	CONTRACTOR TOTAL					300
	UNIVERSITY OF UTAH	Utah	USAF	RDTE/Physical Sciences - Exploratory Devel		50
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	USAF	RDTE/Physical Sciences - Exploratory Devel		127
	UNIVERSITY OF WYOMING	Wyoming	USAF	RDTE/Physical Sciences - Exploratory Devel		30
	UTAH STATE UNIVERSITY	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		550
		Utah	USAF	RDTE/Physical Sciences - Exploratory Devel		4,774
	CONTRACTOR TOTAL					5,324
	WOODWARD-CLYDE CONSULTANTS	California	USAF	RDTE/Physical Sciences - Exploratory Devel		120
	YAP ANALYTICS INC	Mass	USAF	RDTE/Physical Sciences - Exploratory Devel		390
R&D TOTAL						35,158
AJ13	ARCON CORPORATION	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		424
	ARGOSYSTEMS INC	California	USAF	RDTE/Physical Sciences - Advanced Developm		533
	BALL CORPORATION	Texas	USAF	RDTE/Physical Sciences - Advanced Developm		64

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ13 (CONTINUED)						
	BELL HELICOPTER TEXTRON INC	New York	USAF	RDTE/Physical Sciences - Advanced Developm	$	304
	BOSTON UNIVERSITY	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		165
	CARNEGIE MELLON UNIVERSITY	Penn	USAF	RDTE/Physical Sciences - Advanced Developm		228
	CELCO INDUSTRIES INC	New Jersey	USAF	RDTE/Physical Sciences - Advanced Developm		390
	COMPUTATIONAL PHYSICS INC	Virginia	USAF	RDTE/Physical Sciences - Advanced Developm		450
	CONDUCTUS INC	California	USAF	RDTE/Physical Sciences - Advanced Developm		524
	CRYO POWER ASSOCIATES	New Mexico	USAF	RDTE/Physical Sciences - Advanced Developm		100
	DOW CHEMICAL COMPANY THE	Michigan	USAF	RDTE/Physical Sciences - Advanced Developm		122
	E I C LABORATORIES INC	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		61
	ELISRA ELECTRONIC SYSTEMS LTD	ISRAEL	USAF	RDTE/Physical Sciences - Advanced Developm		300
	GEO CENTERS INC	D.C.	NAVY	RDTE/Physical Sciences - Advanced Developm		235
	GUMBS ASSOCIATES INC	New Jersey	USAF	RDTE/Physical Sciences - Advanced Developm		50
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Physical Sciences - Advanced Developm		85
	LASER PHOTONICS	New York	USAF	RDTE/Physical Sciences - Advanced Developm		250
	MASSACHUSETTS INST OF TCHNOLOG	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		133
	MATERIALS TECHNOLOGIES CORP	Conn	USAF	RDTE/Physical Sciences - Advanced Developm		64
	MCDONNELL DOUGLAS CORPORATION	Texas	USAF	RDTE/Physical Sciences - Advanced Developm		642
	MISSION RESEARCH CORPORATION	N.H.	USAF	RDTE/Physical Sciences - Advanced Developm		148
	NATIONAL CENTRE TRIBOLOGY	UNITED KIN	USAF	RDTE/Physical Sciences - Advanced Developm		45
	NORTHWEST RESEARCH ASSOC JV	Washington	USAF	RDTE/Physical Sciences - Advanced Developm		152
	NUCLEAR METALS INC	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		745
	OPTIVISION INC	California	USAF	RDTE/Physical Sciences - Advanced Developm		156
	PANAMETRICS INC	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		450
	PARKVIEW WORKS INC	Wisconsin	USAF	RDTE/Physical Sciences - Advanced Developm		187

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ13	(CONTINUED)					
	PHYSICAL OPTICS CORPORATION	California	USAF	RDTE/Physical Sciences - Advanced Developm	$	304
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		546
	R J O ENTERPRISES INC	Maryland	USAF	RDTE/Physical Sciences - Advanced Developm		55
	RESEARCH FOUNDTN OF UNIV OF NY	New York	USAF	RDTE/Physical Sciences - Advanced Developm		362
	RMS AEROSPACE CO INC	California	USAF	RDTE/Physical Sciences - Advanced Developm		97
	RMS TECHNOLOGIES INCORPORATED	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		485
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Physical Sciences - Advanced Developm		100
			USAF	RDTE/Physical Sciences - Advanced Developm		244
		STATE TOTAL				344
	SCIENTIFIC RESEARCH ASSOC INC	Conn	USAF	RDTE/Physical Sciences - Advanced Developm		63
	SPACE DATA CORPORATION	Arizona	USAF	RDTE/Physical Sciences - Advanced Developm		310
	SPARTA INC	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		100
	SPIRE CORPORATION	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		99
	TRISTAN TECHNOLOGIES	California	USAF	RDTE/Physical Sciences - Advanced Developm		243
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/Physical Sciences - Advanced Developm		286
	UNIVERSITY OF LOWELL	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		319
	UNIVERSITY OF MASSACHUSETTS	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		210
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/Physical Sciences - Advanced Developm		400
	WENTWORTH INSTITUTE OF TECH	Mass	USAF	RDTE/Physical Sciences - Advanced Developm		776
	R&D TOTAL					12,007
AJ14	ANALYTIC SERVICES INC	Virginia	USAF	RDTE/Physical Sciences - Engineering Devel		22,365
AJ15	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/Physical Sciences - Operational Syste		59
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/Physical Sciences - Operational Syste		90
	DIRECTOR LIFE SCIENCES CHEM	UNITED KIN	ARMY	RDTE/Physical Sciences - Operational Syste		250

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AJ15 (CONTINUED)					
	LITTON SYSTEMS INC	Mass	USAF	RDTE/Physical Sciences - Operational Syste	$ 49
	M/A-COM INC	Mass	ARMY	RDTE/Physical Sciences - Operational Syste	593
	P R B ASSOCIATES INC	Maryland	USAF	RDTE/Physical Sciences - Operational Syste	320
R&D TOTAL					1,361
AJ16	A P A OPTICS INC	Minnesota	USAF	RDTE/Physical Sciences - Management & Supp	50
	ADVANCED TECHNOLOGY MATERIALS	Conn	USAF	RDTE/Physical Sciences - Management & Supp	305
	ALSCO ALUMINUM BUILDING PDTS	Mass	USAF	RDTE/Physical Sciences - Management & Supp	312
	C F D RESEARCH CORP	Alabama	USAF	RDTE/Physical Sciences - Management & Supp	369
	C V LARDEGRO	UNITED KIN	ARMY	RDTE/Physical Sciences - Management & Supp	284
	COMPUTER ENGINEERING ASSOC	Mass	USAF	RDTE/Physical Sciences - Management & Supp	47
	F & H APPLIED ASSOCIATES INC	New Jersey	USAF	RDTE/Physical Sciences - Management & Supp	48
	GENERAL ATOMICS	California	USAF	RDTE/Physical Sciences - Management & Supp	200
	GRUMMAN AEROSPACE CORPORATION	Florida	USAF	RDTE/Physical Sciences - Management & Supp	500
	HIGH TECHNOLOGY CORPORATION	Virginia	USAF	RDTE/Physical Sciences - Management & Supp	175
	HITTITE MICROWAVE CORPORATION	Mass	USAF	RDTE/Physical Sciences - Management & Supp	200
	HYPRES INC	New York	USAF	RDTE/Physical Sciences - Management & Supp	512
	INNOVA LABORATORIES,	California	USAF	RDTE/Physical Sciences - Management & Supp	260
	LIOU & ASSOCIATES	Utah	USAF	RDTE/Physical Sciences - Management & Supp	250
	MASSACHUSETTS TECH LAB	Mass	USAF	RDTE/Physical Sciences - Management & Supp	429
	MICROTRONICS ASSOCIATES INC	Penn	USAF	RDTE/Physical Sciences - Management & Supp	50
	NETROLOGIC INC	California	USAF	RDTE/Physical Sciences - Management & Supp	303
	PARKE MATHEMATICAL LABS INC	Mass	USAF	RDTE/Physical Sciences - Management & Supp	50
	PHASEX CORPORATION	Mass	USAF	RDTE/Physical Sciences - Management & Supp	71
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/Physical Sciences - Management & Supp	49

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ16 (CONTINUED)						
	POTOMAC PHOTONICS INC	Maryland	USAF	RDTE/Physical Sciences - Management & Supp	$	281
	QUADRA ENGINEERING INC	Mass	USAF	RDTE/Physical Sciences - Management & Supp		49
	RAND CORPORATION	California	USAF	RDTE/Physical Sciences - Management & Supp		22,488
	S F A INC	Maryland	USAF	RDTE/Physical Sciences - Management & Supp		49
	SAM TECHNOLOGY INC	California	USAF	RDTE/Physical Sciences - Management & Supp		551
	SANTA BARBARA FOCALPLANE	California	USAF	RDTE/Physical Sciences - Management & Supp		50
	SPACE QUALIFIED SYSTEMS CORP	D.C.	USAF	RDTE/Physical Sciences - Management & Supp		49-
	SPARTA INC	California	USAF	RDTE/Physical Sciences - Management & Supp		234
	SQM TECHNOLOGY INC	California	USAF	RDTE/Physical Sciences - Management & Supp		77
	TECHPLAN CORP	Virginia	USAF	RDTE/Physical Sciences - Management & Supp		944
	TS INFOSYSTEMS INC	Florida	USAF	RDTE/Physical Sciences - Management & Supp		255
	UNIVERSITY OF SURREY	UNITED KIN	ARMY	RDTE/Physical Sciences - Management & Supp		30
	XEMET INC	Washington	USAF	RDTE/Physical Sciences - Management & Supp		271
	R&D TOTAL					29,694
AJ21	CIVILIZED SOFTWARE INC	Maryland	NAVY	RDTE/Math & Computer Sciences - Basic Rese		192
	IMPERIAL COLLEGE OF SCIENCE &	UNITED KIN	ARMY	RDTE/Math & Computer Sciences - Basic Rese		26
	R&D TOTAL					218
AJ22	CLARK ATLANTA UNIVERSITY INC	Georgia	ARMY	RDTE/Math & Computer Sciences - Explor Dev		44
	EOS TECHNOLOGIES INC	Washington	NAVY	RDTE/Math & Computer Sciences - Explor Dev		419
	R&D TOTAL					463
AJ24	APPLIED PARALLEL SYSTEMS	Maryland	NAVY	RDTE/Math & Computer Sciences - Engr Devel		200
AJ31	ROCK ENGRG CONSULTANTS	UNITED KIN	ARMY	RDTE/Environmental Sciences - Basic Resear		64
AJ32	ANDREWS & SCHOFIELD ASSOCIATES	UNITED KIN	ARMY	RDTE/Environmental Sciences - Explor Devel		98
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/Environmental Sciences - Explor Devel		783

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ32 (CONTINUED)						
	ROYAL MILITARY COLLEGE OF SCIE	UNITED KIN	ARMY	RDTE/Environmental Sciences - Explor Devel	$	33
	TNO INSTITUTE FOR PERCEPTION	NETHERLAND	ARMY	RDTE/Environmental Sciences - Explor Devel		70
	R&D TOTAL					984
AJ33	UNIVERSITY COLLEGE OF GALWAY	IRAN	ARMY	RDTE/Environmental Sciences - Advanced Dev		91
AJ35	ANDREWS & SCHOFIELD ASSOCIATES	UNITED KIN	ARMY	RDTE/Environmental Sciences - Op Systems D		95
	CORK GEOTECHNICS LTD	IRAN	ARMY	RDTE/Environmental Sciences - Op Systems D		60
	HEWLETT-PACKARD COMPANY	California	USAF	RDTE/Environmental Sciences - Op Systems D		65
	LUND INSTITUTE OF TECHNOLOGY	SWEDEN	ARMY	RDTE/Environmental Sciences - Op Systems D		54
	R&D TOTAL					274
AJ41	A A I CORPORATION	Maryland	USAF	RDTE/Engineering Sciences - Basic Research		188-
	HORIZONS TECHNOLOGY INC	Mass	USAF	RDTE/Engineering Sciences - Basic Research		48
	IMPERIAL COLLEGE OF SCIENCE &	UNITED KIN	ARMY	RDTE/Engineering Sciences - Basic Research		41
	RAMOT UNIVERSITY,	ISRAEL	ARMY	RDTE/Engineering Sciences - Basic Research		32
	SUPERCONDUCTOR TECHNOLOGIES	California	NAVY	RDTE/Engineering Sciences - Basic Research		58
	THAMES POLYTECHNIC	UNITED KIN	ARMY	RDTE/Engineering Sciences - Basic Research		457
	UNIVERSITY OF BRISTOL	UNITED KIN	ARMY	RDTE/Engineering Sciences - Basic Research		73
	UNIVERSITY OF SURREY	UNITED KIN	ARMY	RDTE/Engineering Sciences - Basic Research		31
	R&D TOTAL					552
AJ42	FRAUNHAFER GESELSCHAFT ZUR FOE	GERMANY	ARMY	RDTE/Engineering Sciences - Exploratory De		60
	FRAUNHOFER GESELLSCHAFT ZUR FO	GERMANY	ARMY	RDTE/Engineering Sciences - Exploratory De		28
	LOTUS CARS LTD., LOTUS ENGINEE	UNITED KIN	ARMY	RDTE/Engineering Sciences - Exploratory De		350
	SUPERIOR ELECTRIC CO THE	Conn	ARMY	RDTE/Engineering Sciences - Exploratory De		250
	UNIVERSITY OF CAMBRIDGE	UNITED KIN	ARMY	RDTE/Engineering Sciences - Exploratory De		32
	R&D TOTAL					720

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ43	CALIFORNIA INST OF TECHNOLOGY	California	NAVY	RDTE/Engineering Sciences - Advanced Devel	$	32
	WESTINGHOUSE ELECTRIC CORP	Penn	USAF	RDTE/Engineering Sciences - Advanced Devel		340
R&D TOTAL						372
AJ44	SCIENCE APPLICATIONS INTL CORP	Virginia	ARMY	RDTE/Engineering Sciences - Engineering De		1,093
	UNITED STATES DEPT OF COMMERCE	Colorado	NAVY	RDTE/Engineering Sciences - Engineering De		100
	UNITED TECHNOLOGIES CORP	Florida	NAVY	RDTE/Engineering Sciences - Engineering De		1,195
R&D TOTAL						2,388
AJ45	NAPIER	UNITED KIN	ARMY	RDTE/Engineering Sciences - Operational Sy		30
AJ46	A & L SHATTO INC	Maryland	ARMY	RDTE/Engineering Sciences - Management & S		602
	ACCURATE AUTOMATION CORP	Tennessee	USAF	RDTE/Engineering Sciences - Management & S		590
	CAMBRIDGE HYDRO DYNAMICS INC	New Jersey	USAF	RDTE/Engineering Sciences - Management & S		190
	CENTER FOR REMOTE SENSING	California	USAF	RDTE/Engineering Sciences - Management & S		53
	COSOFT DESIGNS INC	California	USAF	RDTE/Engineering Sciences - Management & S		73
	FIBER & SENSOR TECHNOLOGIES	Virginia	USAF	RDTE/Engineering Sciences - Management & S		49
	METROLASER	California	USAF	RDTE/Engineering Sciences - Management & S		400
	PHOTONICS, INC.	Penn	USAF	RDTE/Engineering Sciences - Management & S		50
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/Engineering Sciences - Management & S		61
	SYSTEMS TECHNOLOGY INC	California	USAF	RDTE/Engineering Sciences - Management & S		201
	UNIVERSITY OF MANCHESTER INSTI	UNITED KIN	ARMY	RDTE/Engineering Sciences - Management & S		65
	VATELL CORPORATION	Virginia	USAF	RDTE/Engineering Sciences - Management & S		172
R&D TOTAL						2,505
AJ51	SCHWARTZ ELECTRO-OPTICS INC	Florida	ARMY	RDTE/Life Sciences - Basic Research		50
	ST. GEORGE'S HOSPITAL MEDICAL	UNITED KIN	ARMY	RDTE/Life Sciences - Basic Research		130
	UNIVERSITY OF NOTTINGHAM	UNITED KIN	ARMY	RDTE/Life Sciences - Basic Research		60
R&D TOTAL						240
AJ61	UNIVERSIDADE NOVA DE LISBOA	PORTUGAL	ARMY	RDTE/Psychological Sciences - Basic Resear		50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AJ61 (CONTINUED)						
	UNIVERSITY OF HAIFA	ISRAEL	ARMY	RDTE/Psychological Sciences - Basic Resear	$	35
	UNIVERSITY OF SURREY	UNITED KIN	ARMY	RDTE/Psychological Sciences - Basic Resear		47
	R&D TOTAL					132
AJ62	MAFAT DEPT OF BEHAVIORAL SCIEN	ISRAEL	ARMY	RDTE/Psychological Sciences - Exploratory		45
AJ63	ADVANCED TECHNOLOGY MATERIALS	Conn	NAVY	RDTE/Psychological Sciences - Advanced Dev		370
AJ65	MAGNAVOX GOVT & INDSTRL ELCTR	Indiana	NAVY	RDTE/Psychological Sciences - Operational		167
AJ71	RESEARCH FOUNDATION	New York	ARMY	RDTE/Social Sciences - Basic Research		120
AJ91	METROLASER	California	USAF	RDTE/Other Sciences - Basic Research		231
	SCIENCE APPLICATIONS INTL CORP	Georgia	ARMY	RDTE/Other Sciences - Basic Research		122
	TEXAS A & M RESEARCH FDN	Texas	OCE	RDTE/Other Sciences - Basic Research		180
	R&D TOTAL					533
AJ92	ATMOSPHERIC INSTRUMENTATION	Colorado	ARMY	RDTE/Other Sciences - Exploratory Developm		320
	DEVELOPMENT SCIENCES INC	Mass	USAF	RDTE/Other Sciences - Exploratory Developm		42
	INRAD INC	New Jersey	NAVY	RDTE/Other Sciences - Exploratory Developm		259
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/Other Sciences - Exploratory Developm		60
	R&D TOTAL					680
AJ94	CANADIAN COMMERCIAL CORPORATI	CANADA	ARMY	RDTE/Other Sciences - Engineering Developm		195
AJ95	BOEING COMPANY THE	Texas	NAVY	RDTE/Other Sciences - Operational Systems		223
	UNIVERSAL SYSTEMS & TECHNOLOGY	Virginia	NAVY	RDTE/Other Sciences - Operational Systems		30
	R&D TOTAL					253
AK16	GIUSEPPE MARMOLO	ITALY	NAVY	RDTE/Housing - Management & Support		96
AN11	JACKSON HENRY M FOUNDATION	Maryland	ARMY	RDTE/Biomedical - Basic Research		2,412
	S R A TECHNOLOGIES INC	Virginia	ARMY	RDTE/Biomedical - Basic Research		2,740
	R&D TOTAL					5,152

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AN16	BIODYNAMIC RESEARCH CORP	Texas	USAF	RDTE/Biomedical - Management & Support	$	297
	ODETICS INC	California	USAF	RDTE/Biomedical - Management & Support		52
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/Biomedical - Management & Support		783
		Virginia	USAF	RDTE/Biomedical - Management & Support		7,000
	CONTRACTOR TOTAL					7,783
	R&D TOTAL					8,133
AN41	FUNDACION MEXICAN PARA LA SALU	MEXICO	ARMY	RDTE/Health Services - Basic Research		136
AN46	FOUNDATION HEALTH CORPORATION	California	ARMY	RDTE/Health Services - Management & Suppor		761,262
AN62	SOUTH FLORIDA DRUG RESEARCH	Florida	ARMY	RDTE/Rehabilitative Engineering-Explor Dev		74
AN81	NEW YORK UNIVERSITY	New York	ARMY	RDTE/Aids Research - Basic Research		465
AN83	S R A TECHNOLOGIES INC	Maryland	ARMY	RDTE/Aids Research - Advanced Development		1,000
AN91	ADEZA BIOMEDICAL CORP	California	ARMY	RDTE/Other Medical - Basic Research		250-
	BAYLOR COLLEGE OF MEDICINE	Texas	ARMY	RDTE/Other Medical - Basic Research		368
	BELMONT INSTRUMENT CORPORATION	Mass	ARMY	RDTE/Other Medical - Basic Research		112
	BIO METRIC SYSTEMS INC	Minnesota	ARMY	RDTE/Other Medical - Basic Research		103
	BIOTEK INC	Mass	ARMY	RDTE/Other Medical - Basic Research		153
	BRANDEIS UNIVERSITY	Mass	ARMY	RDTE/Other Medical - Basic Research		76
	CALIFORNIA INST OF TECHNOLOGY	California	ARMY	RDTE/Other Medical - Basic Research		177
	CASE WESTERN RESERVE UNIV	Ohio	ARMY	RDTE/Other Medical - Basic Research		68
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	ARMY	RDTE/Other Medical - Basic Research		99
	CHEM.RESEARCH LABS. OF AMERICA	Rhode Isld	ARMY	RDTE/Other Medical - Basic Research		50
	CORVAS INTERNATIONAL INC	California	ARMY	RDTE/Other Medical - Basic Research		229
	DELPHI PHARMACEUTICALS INC	Mass	ARMY	RDTE/Other Medical - Basic Research		50-
	DYNAGEN INC	Mass	ARMY	RDTE/Other Medical - Basic Research		98
	EASTERN ANALYTICAL, INC.	Maryland	ARMY	RDTE/Other Medical - Basic Research		50
	ELCATECH INC	N Carolina	ARMY	RDTE/Other Medical - Basic Research		66

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AN91 (CONTINUED)					
	ENZYME TECHNOLOGY RES GROUP	N Carolina	ARMY	RDTE/Other Medical - Basic Research	$ 112
	FLOW INC	Oregon	ARMY	RDTE/Other Medical - Basic Research	111
	GENELABS TECHNOLOGIES INC	California	ARMY	RDTE/Other Medical - Basic Research	112
	GEORGETOWN UNIVERSITY	D.C.	ARMY	RDTE/Other Medical - Basic Research	254
	HAHNEMANN UNIVERSITY	Penn	ARMY	RDTE/Other Medical - Basic Research	194
	HARVARD UNIVERSITY	Mass	ARMY	RDTE/Other Medical - Basic Research	550
	HAWAII BIOTECHNOLOGY GROUP	Hawaii	ARMY	RDTE/Other Medical - Basic Research	210
	HERNER & COMPANY INC	Maryland	ARMY	RDTE/Other Medical - Basic Research	372
	ISRAEL INST FOR BIOLOGICAL RES	ISRAEL	ARMY	RDTE/Other Medical - Basic Research	513
	JARVIS CHRISTIAN COLLEGE	Texas	ARMY	RDTE/Other Medical - Basic Research	164
	LIFE TECHNOLOGIES INC	Maryland	ARMY	RDTE/Other Medical - Basic Research	53
	MASSACHUSETTS INST OF TCHNOLOG	Mass	ARMY	RDTE/Other Medical - Basic Research	46-
	MEDIMMUNE INC	Maryland	ARMY	RDTE/Other Medical - Basic Research	138
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/Other Medical - Basic Research	182
	OGDEN BIOSERVICES CORPORATION	Maryland	ARMY	RDTE/Other Medical - Basic Research	1,380
	OKLAHOMA STATE UNIVERSITY	Oklahoma	ARMY	RDTE/Other Medical - Basic Research	170
	OPHIDIAN PHARMACEUTICALS INC	Wisconsin	ARMY	RDTE/Other Medical - Basic Research	80
	ORD INC	N.H.	ARMY	RDTE/Other Medical - Basic Research	100
	OU DERMATOLOGY CLINIC	Oklahoma	ARMY	RDTE/Other Medical - Basic Research	105
	PHYSICAL OPTICS CORPORATION	California	ARMY	RDTE/Other Medical - Basic Research	110
	PIERCE JOHN B LABORATORY	Conn	NAVY	RDTE/Other Medical - Basic Research	34
	PRINCETON SCIENTIFIC ENTRPRSS	New Jersey	ARMY	RDTE/Other Medical - Basic Research	77
	QUESTECH INC	Texas	USAF	RDTE/Other Medical - Basic Research	349
	RAYEX CORP	Maryland	ARMY	RDTE/Other Medical - Basic Research	183

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AN91 (CONTINUED)						
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/Other Medical - Basic Research	$	344
	ROCHESTER PHOTONICS CORP	New York	ARMY	RDTE/Other Medical - Basic Research		171
	S R A TECHNOLOGIES INC	Maryland	ARMY	RDTE/Other Medical - Basic Research		540
		Virginia	ARMY	RDTE/Other Medical - Basic Research		475
	CONTRACTOR TOTAL					1,015
	SARCOS RESEARCH CORP.	Utah	ARMY	RDTE/Other Medical - Basic Research		50
	SCIENCE APPLICATIONS INTL CORP	Virginia	ARMY	RDTE/Other Medical - Basic Research		750
	SEATTLE BIOMEDICAL RES INST	Washington	ARMY	RDTE/Other Medical - Basic Research		63
	SENSOR PLUS, INC.	New York	ARMY	RDTE/Other Medical - Basic Research		49
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/Other Medical - Basic Research		80
	SOUTHWEST FOUNDATION	Texas	ARMY	RDTE/Other Medical - Basic Research		208
	STEADFAST INCORPORATED	Mass	ARMY	RDTE/Other Medical - Basic Research		34
	STERIS CORP.	Ohio	ARMY	RDTE/Other Medical - Basic Research		50
	STEROIDS LTD	Illinois	ARMY	RDTE/Other Medical - Basic Research		138
	SYMBIOTECH, INC.	Conn	ARMY	RDTE/Other Medical - Basic Research		50
	TECH QUEST, INC.	Conn	ARMY	RDTE/Other Medical - Basic Research		50
	TECHNICAL RESEARCH ASSOCIATES	Utah	ARMY	RDTE/Other Medical - Basic Research		167
	UNIV. OF TX HEALTH SCIENCE CTR	Texas	ARMY	RDTE/Other Medical - Basic Research		79
	UNIVERSITY OF ALA AT BRMNGHAM	Alabama	ARMY	RDTE/Other Medical - Basic Research		258
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/Other Medical - Basic Research		289
	UNIVERSITY OF CINCINNATI	Ohio	ARMY	RDTE/Other Medical - Basic Research		315
	UNIVERSITY OF FLORIDA	Florida	NAVY	RDTE/Other Medical - Basic Research		18,000
	UNIVERSITY OF HAWAII	Hawaii	ARMY	RDTE/Other Medical - Basic Research		30-
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/Other Medical - Basic Research		212-

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AN91 (CONTINUED)						
	UNIVERSITY OF LOUISVILLE	Kentucky	ARMY	RDTE/Other Medical - Basic Research	$	128
	UNIVERSITY OF MARYLAND SYSTEM	Maryland	ARMY	RDTE/Other Medical - Basic Research		172
	UNIVERSITY OF MASSACHUSETTS	Mass	ARMY	RDTE/Other Medical - Basic Research		496
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/Other Medical - Basic Research		235
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/Other Medical - Basic Research		6,415
	UNIVERSITY OF PITTSBURGH	Penn	ARMY	RDTE/Other Medical - Basic Research		90-
	UNIVERSITY OF WASHINGTON	Washington	ARMY	RDTE/Other Medical - Basic Research		249
	UNIVERSITY OF WESTERN ONTARIO	CANADA	ARMY	RDTE/Other Medical - Basic Research		61-
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	ARMY	RDTE/Other Medical - Basic Research		118
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/Other Medical - Basic Research		50
	VIPONT PHARMACEUTICAL INC	Colorado	ARMY	RDTE/Other Medical - Basic Research		115
	VIRGINIA COMMONWEALTH UNIV	Virginia	ARMY	RDTE/Other Medical - Basic Research		98-
	WASHINGTON UNIVERSITY	Missouri	ARMY	RDTE/Other Medical - Basic Research		181
	WEIZMANN INSTITUTE THE	ISRAEL	ARMY	RDTE/Other Medical - Basic Research		347
R&D TOTAL						37,029
AN92	AMERICAN INST BIOLOGCL SCIENCE	D.C.	ARMY	RDTE/Other Medical - Exploratory Developme		529
	ASH STEVENS INC	Michigan	ARMY	RDTE/Other Medical - Exploratory Developme		132
	BEILINSON MEDICAL CENTER	ISRAEL	ARMY	RDTE/Other Medical - Exploratory Developme		70
	BIO-TECHNOLOGY GENERAL CORP	New York	ARMY	RDTE/Other Medical - Exploratory Developme		162
	CALSPAN CORPORATION	Penn	ARMY	RDTE/Other Medical - Exploratory Developme		36
	CITY UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/Other Medical - Exploratory Developme		30-
	DUKE UNIVERSITY	N Carolina	ARMY	RDTE/Other Medical - Exploratory Developme		79
	DUPHAR BV	NETHERLAND	ARMY	RDTE/Other Medical - Exploratory Developme		106-
	EG&G SPECIAL PROJECTS	New Mexico	ARMY	RDTE/Other Medical - Exploratory Developme		879

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AN92 (CONTINUED)					
	FRANKLIN INSTITUTE THE	Penn	ARMY	RDTE/Other Medical - Exploratory Developme	$ 82-
	HARVARD UNIVERSITY	Mass	ARMY	RDTE/Other Medical - Exploratory Developme	510
	HEALTH RESEARCH INC	New York	ARMY	RDTE/Other Medical - Exploratory Developme	204
	ISRAEL INST FOR BIOLOGICAL RES	ISRAEL	ARMY	RDTE/Other Medical - Exploratory Developme	280
	JAYCOR	California	ARMY	RDTE/Other Medical - Exploratory Developme	469
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/Other Medical - Exploratory Developme	501
	MEDICAL COLLEGE OF PA	Penn	ARMY	RDTE/Other Medical - Exploratory Developme	70
	N E D H CORP	Mass	ARMY	RDTE/Other Medical - Exploratory Developme	450
	OHIO WESLEYAN UNIVERSITY	Ohio	ARMY	RDTE/Other Medical - Exploratory Developme	50
	ORBIS SCIENTIFIC INC	Florida	ARMY	RDTE/Other Medical - Exploratory Developme	121
	PRIME TECHNOLOGY INC	Alabama	ARMY	RDTE/Other Medical - Exploratory Developme	150
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/Other Medical - Exploratory Developme	50
	QUESTECH INC	Ohio	USAF	RDTE/Other Medical - Exploratory Developme	110
	RESEARCH FOUNDTN OF UNIV OF NY	New York	ARMY	RDTE/Other Medical - Exploratory Developme	347
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/Other Medical - Exploratory Developme	588
	SCIENCE APPLICATIONS INTL CORP	Virginia	ARMY	RDTE/Other Medical - Exploratory Developme	513
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/Other Medical - Exploratory Developme	856
	SRI INTERNATIONAL	California	ARMY	RDTE/Other Medical - Exploratory Developme	198
	TEL AVIV UNIVERSITY	ISRAEL	ARMY	RDTE/Other Medical - Exploratory Developme	85
	THOMAS JEFFERSON UNIVERSITY	Penn	ARMY	RDTE/Other Medical - Exploratory Developme	244
	UES INC	Alabama	ARMY	RDTE/Other Medical - Exploratory Developme	248
		Ohio	ARMY	RDTE/Other Medical - Exploratory Developme	44
	CONTRACTOR TOTAL				291
	UNIV OF GA RESEARCH FOUNDATION	Georgia	ARMY	RDTE/Other Medical - Exploratory Developme	96

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AN92 (CONTINUED)						
	UNIVERSITY NC AT CHAPEL HILL	N Carolina	ARMY	RDTE/Other Medical - Exploratory Developme	$	323
	UNIVERSITY OF ALA AT BRMNGHAM	Alabama	ARMY	RDTE/Other Medical - Exploratory Developme		60
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/Other Medical - Exploratory Developme		33
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/Other Medical - Exploratory Developme		282
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/Other Medical - Exploratory Developme		109
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/Other Medical - Exploratory Developme		167
	UNIVERSITY OF KANSAS	Kansas	ARMY	RDTE/Other Medical - Exploratory Developme		43
	UNIVERSITY OF KY RESCH FDTN	Michigan	ARMY	RDTE/Other Medical - Exploratory Developme		140
	UNIVERSITY OF MARYLAND SYSTEM	Maryland	ARMY	RDTE/Other Medical - Exploratory Developme		150
	UNIVERSITY OF MASSACHUSETTS	Mass	ARMY	RDTE/Other Medical - Exploratory Developme		13
	UNIVERSITY OF MIAMI INC	Florida	ARMY	RDTE/Other Medical - Exploratory Developme		550
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/Other Medical - Exploratory Developme		68
	UNIVERSITY OF NORTH DAKOTA	N Dakota	ARMY	RDTE/Other Medical - Exploratory Developme		156
	UNIVERSITY OF TEXAS ARLINGTON	Texas	ARMY	RDTE/Other Medical - Exploratory Developme		120
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/Other Medical - Exploratory Developme		75
	UNIVERSITY OF THE PACIFIC	California	ARMY	RDTE/Other Medical - Exploratory Developme		28-
	UNIVERSITY OF VIRGINIA	Virginia	ARMY	RDTE/Other Medical - Exploratory Developme		183
	UNIVERSITY OF WYOMING	Wyoming	ARMY	RDTE/Other Medical - Exploratory Developme		51
	VIRGINIA COMMONWEALTH UNIV	Virginia	ARMY	RDTE/Other Medical - Exploratory Developme		86
	WASHINGTON UNIVERSITY	Missouri	ARMY	RDTE/Other Medical - Exploratory Developme		199
R&D TOTAL						10,634
AN93	ADVANCED BIOSCIENCE LABS INC	Maryland	ARMY	RDTE/Other Medical - Advanced Development		179
	ASH STEVENS INC	Michigan	ARMY	RDTE/Other Medical - Advanced Development		386
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/Other Medical - Advanced Development		5,200

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AN93 (CONTINUED)						
	BIOTECH RESEARCH LABORATORIES	Maryland	ARMY	RDTE/Other Medical - Advanced Development	$	273-
	CANADIAN COMMERCIAL CORPORATI	CANADA	ARMY	RDTE/Other Medical - Advanced Development		550
	CORNELL UNIVERSITY	New York	ARMY	RDTE/Other Medical - Advanced Development		59-
	DYNCORP	Maryland	ARMY	RDTE/Other Medical - Advanced Development		1,442-
	EAGLE PICHER INDUSTRIES INC	Kansas	ARMY	RDTE/Other Medical - Advanced Development		419-
	EER SYSTEMS CORPORATION	Virginia	ARMY	RDTE/Other Medical - Advanced Development		1,612
	EVAPORATED COATINGS INC	Penn	ARMY	RDTE/Other Medical - Advanced Development		33
	GUILD ASSOCIATES INC	Ohio	ARMY	RDTE/Other Medical - Advanced Development		269
	HARVARD UNIVERSITY	Mass	ARMY	RDTE/Other Medical - Advanced Development		150
	HAZLETON WASHINGTON INC	Virginia	ARMY	RDTE/Other Medical - Advanced Development		254
	HUNTINGDON RESEARCH CENTER	UNITED KIN	ARMY	RDTE/Other Medical - Advanced Development		369
	JOHN BROWN ASSOCIATES INC	New Jersey	ARMY	RDTE/Other Medical - Advanced Development		47
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/Other Medical - Advanced Development		27
	MDT CORPORATION	New York	ARMY	RDTE/Other Medical - Advanced Development		33-
	MEDIMMUNE INC	Maryland	ARMY	RDTE/Other Medical - Advanced Development		152
	MICHIGAN STATE OF	Michigan	ARMY	RDTE/Other Medical - Advanced Development		347-
	MICROPROBE CORP	Washington	ARMY	RDTE/Other Medical - Advanced Development		121
	MODEL TECH. INC.	Mass	ARMY	RDTE/Other Medical - Advanced Development		119
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/Other Medical - Advanced Development		117
	PATHOLOGY ASSOCIATES INC	Maryland	ARMY	RDTE/Other Medical - Advanced Development		121
	PHARM ECO LABORATORIES INC	California	ARMY	RDTE/Other Medical - Advanced Development		176
	PORTON INTERNATIONAL INC	UNITED KIN	ARMY	RDTE/Other Medical - Advanced Development		5,408
	PROMED TRADING, S.A.	PANAMA	ARMY	RDTE/Other Medical - Advanced Development		210
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/Other Medical - Advanced Development		210

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AN93 (CONTINUED)					
	SALK INST FOR BLGICAL STUDIES	Penn	ARMY	RDTE/Other Medical - Advanced Development	$ 10,021
	SCRIPPS CLINIC RES FOUNDATION	California	ARMY	RDTE/Other Medical - Advanced Development	277
	SHERIKON INC	Maryland	ARMY	RDTE/Other Medical - Advanced Development	2,243
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/Other Medical - Advanced Development	69
	SOUTHWEST FOUNDATION	Texas	ARMY	RDTE/Other Medical - Advanced Development	217
	SRI INTERNATIONAL	California	ARMY	RDTE/Other Medical - Advanced Development	450
	STARKS ASSOCIATES INC	New York	ARMY	RDTE/Other Medical - Advanced Development	359
	STERIMATICS CORPORATION	Mass	ARMY	RDTE/Other Medical - Advanced Development	6,240
	UNIVERSITY OF ALA AT BRMNGHAM	Alabama	ARMY	RDTE/Other Medical - Advanced Development	326
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/Other Medical - Advanced Development	294
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/Other Medical - Advanced Development	732
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/Other Medical - Advanced Development	155
	UNIVERSITY OF MASSACHUSETTS	Mass	ARMY	RDTE/Other Medical - Advanced Development	136
	UNIVERSITY OF SOUTH FLORIDA	Florida	ARMY	RDTE/Other Medical - Advanced Development	76
	UNIVERSITY OF TEXAS SAN ANTONI	Texas	ARMY	RDTE/Other Medical - Advanced Development	35-
	UNIVERSITY OF UTAH	Utah	ARMY	RDTE/Other Medical - Advanced Development	65
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	ARMY	RDTE/Other Medical - Advanced Development	60
	UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/Other Medical - Advanced Development	201
	WASHINGTON UNIVERSITY	Missouri	ARMY	RDTE/Other Medical - Advanced Development	129
R&D TOTAL					35,151
AN94	DUPHAR BV	NETHERLAND	ARMY	RDTE/Other Medical - Engineering Developme	114
	GULL LABORATORIES INC	Utah	ARMY	RDTE/Other Medical - Engineering Developme	48-
	ROHM & HAAS COMPANY	Penn	ARMY	RDTE/Other Medical - Engineering Developme	36
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/Other Medical - Engineering Developme	434

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AN94 (CONTINUED)						
	UNIV OF MARYLAND AT BALTIMORE	Maryland	ARMY	RDTE/Other Medical - Engineering Developme	$	829
		CHILE	ARMY	RDTE/Other Medical - Engineering Developme		112
	CONTRACTOR TOTAL					941
	R&D TOTAL					1,476
AN95	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Other Medical - Operational Systems D		471
AP53	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/Natural Resources-Marine-Advanced Dev		427
AP91	BIOSONICS INC	Washington	OCE	RDTE/Natural Resources-Other-Basic Researc		60
AR11	BECHTEL NATIONAL INC	California	USAF	RDTE/Space - Aeronautics - Basic Research		460
	BOEING COMPANY THE	Washington	USAF	RDTE/Space - Aeronautics - Basic Research		3,340
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Space - Aeronautics - Basic Research		3,340
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/Space - Aeronautics - Basic Research		492
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/Space - Aeronautics - Basic Research		499
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Space - Aeronautics - Basic Research		350
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Space - Aeronautics - Basic Research		4,154
	PHOTON RESEARCH ASSOCIATES	California	USAF	RDTE/Space - Aeronautics - Basic Research		1,830
	TRW INC	California	USAF	RDTE/Space - Aeronautics - Basic Research		350
	R&D TOTAL					14,815
AR12	MAINSTREAM ENGINEERING CO INC	Florida	USAF	RDTE/Space - Aeronautics - Exploratory Dev		180
AR13	BARRIOS TECHNOLOGY INC	Texas	NAVY	RDTE/Space - Aeronautics - Advanced Develo		100
	GENERAL ELECTRIC COMPANY	New Jersey	USAF	RDTE/Space - Aeronautics - Advanced Develo		1,586
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Space - Aeronautics - Advanced Develo		110
	J R S RESEARCH LABORATORIES	California	NAVY	RDTE/Space - Aeronautics - Advanced Develo		153
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Space - Aeronautics - Advanced Develo		1,231
	TRW INC	California	USAF	RDTE/Space - Aeronautics - Advanced Develo		305

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 3,485
AR16	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Space - Aeronautics - Management & Su	2,937
AR21	BOLT BERANEK & NEWMAN INC	Mass	NAVY	RDTE/Space-Science Applications-Basic Rese	2,750
	NORTHWESTERN UNIVERSITY	Illinois	NAVY	RDTE/Space-Science Applications-Basic Rese	375
	R&D TOTAL				3,125
AR22	BALL CORPORATION	Colorado	USAF	RDTE/Space-Science Applications-Explor Dev	129
	BOEING COMPANY THE	Washington	USAF	RDTE/Space-Science Applications-Explor Dev	195
	R&D TOTAL				324
AR23	AEROJET	California	USAF	RDTE/Space-Science Applications-Advanced D	2,160
	AMERICAN GNC CORPORATION	California	USAF	RDTE/Space-Science Applications-Advanced D	50
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Space-Science Applications-Advanced D	52,000
	TECHNO SCIENCES INC	Maryland	USAF	RDTE/Space-Science Applications-Advanced D	64
	TRW INC	California	USAF	RDTE/Space-Science Applications-Advanced D	49,560
	R&D TOTAL				103,834
AR24	COLSA INC	Texas	ARMY	RDTE/Space-Science Applications-Engineerin	245
AR25	AEROJET	California	USAF	RDTE/Space-Science Applications-Op Systems	40
	AEROSPACE CORPORATION	California	USAF	RDTE/Space-Science Applications-Op Systems	253,455
	GENERAL ELECTRIC COMPANY	New Jersey	USAF	RDTE/Space-Science Applications-Op Systems	1,966
	TRW INC	California	USAF	RDTE/Space-Science Applications-Op Systems	6,474
	R&D TOTAL				261,935
AR26	ADVANCED FUEL RESEARCH INC	Conn	USAF	RDTE/Space-Science Applications-Mgmt & Sup	57
AR32	AEROJET	California	USAF	RDTE/Space Flight - Exploratory Developmen	75
	MCDONNELL DOUGLAS SPACE SYS CO	California	USAF	RDTE/Space Flight - Exploratory Developmen	268
	R&D TOTAL				343
AR33	ENGINEERING TECHNOLOGIES INC	Virginia	USAF	RDTE/Space Flight - Advanced Development	1,101

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AR33 (CONTINUED)						
	MCDONNELL DOUGLAS SPACE SYS CO	California	USAF	RDTE/Space Flight - Advanced Development	$	118,843
	R&D TOTAL					119,944
AR34	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Space Flight - Engineering Developmen		50,649
	MCDONNELL DOUGLAS SPACE SYS CO	California	USAF	RDTE/Space Flight - Engineering Developmen		49,170
	ORBITAL SCIENCES CORPORATION	Virginia	USAF	RDTE/Space Flight - Engineering Developmen		213
	R&D TOTAL					100,033
AR35	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Space Flight - Operations Systems Dev		2,290
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Space Flight - Operations Systems Dev		16-
	R&D TOTAL					2,273
AR41	RESEARCH & DEV LABORATORIES	California	USAF	RDTE/Space Op - Tracking & Data Acq-Basic		2,961
AR42	AERO OPTICS INC	California	USAF	RDTE/Space Op - Applied Research & Expl De		500
	JJM SYSTEMS INC	Penn	NAVY	RDTE/Space Op - Applied Research & Expl De		1,430
	RESEARCH & DEV LABORATORIES	California	USAF	RDTE/Space Op - Applied Research & Expl De		1,450
	R&D TOTAL					3,380
AR43	PROSPECTIVE COMPUTER ANALYSTS	New York	NAVY	RDTE/Space Op - Trckng & Data Acq-Advanced		290
	UNIVERSITY OF ALABAMA	Alabama	USAF	RDTE/Space Op - Trckng & Data Acq-Advanced		108
	R&D TOTAL					398
AR44	BENDIX FIELD ENGINEERING CORP	D.C.	NAVY	RDTE/Space Op - Trckng & Data Acq-Engineer		210
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/Space Op - Trckng & Data Acq-Engineer		17,043
	PHYSICAL OPTICS CORPORATION	California	NAVY	RDTE/Space Op - Trckng & Data Acq-Engineer		51
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/Space Op - Trckng & Data Acq-Engineer		256
	R&D TOTAL					17,559
AR45	AEROJET	California	USAF	RDTE/Space Op-Trckng & Data Acq-Op Systems		1,319
	CINCINNATI ELECTRONICS CORP	Ohio	NAVY	RDTE/Space Op-Trckng & Data Acq-Op Systems		259

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AR45 (CONTINUED)						
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/Space Op-Trckng & Data Acq-Op Systems	$	1,562
	INTERNATIONAL BUS MCHS CORP	Colorado	USAF	RDTE/Space Op-Trckng & Data Acq-Op Systems		23,037
		Maryland	USAF	RDTE/Space Op-Trckng & Data Acq-Op Systems		119
	CONTRACTOR TOTAL					23,156
	LITTON SYSTEMS INC	California	USAF	RDTE/Space Op-Trckng & Data Acq-Op Systems		615
	R&D TOTAL					26,910
AR46	DYNCORP	New Mexico	ARMY	RDTE/Space Op-Tracking & Data Acq-Mgmt & S		79-
AR61	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Space-Station-Basic Research		861
AR62	AUBURN UNIVERSITY	Alabama	NAVY	RDTE/Space-Station-Exploratory Development		590
AR63	SHERMAN M SELTZER	Alabama	USAF	RDTE/Space-Station-Advanced Development		50
AR64	MISSION RESEARCH CORPORATION	California	NAVY	RDTE/Space-Station-Engineering Development		2,274
AR91	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Space - Other - Basic Research		4,164
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Space - Other - Basic Research		4,124
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Space - Other - Basic Research		4,150
	TRW INC	California	USAF	RDTE/Space - Other - Basic Research		4,166
	R&D TOTAL					16,603
AR92	SCHAFER W J ASSOCIATES INC	Mass	NAVY	RDTE/Space - Other - Exploratory Developme		298
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/Space - Other - Exploratory Developme		11,724
	R&D TOTAL					12,022
AR93	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/Space - Other - Advanced Development		300
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Space - Other - Advanced Development		6,615
	SPARTA INC	California	USAF	RDTE/Space - Other - Advanced Development		7,301
	R&D TOTAL					14,216
AR94	LORAL VOUGHT SYSTEMS	Texas	USAF	RDTE/Space - Other - Engineering Developme		6,420-

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AR95	SPACE APPLICATIONS CORPORATION	California	USAF	RDTE/Space - Other - Operational Systems D	$ 10,738
	UNIVERSITY OF COLORADO	Colorado	USAF	RDTE/Space - Other - Operational Systems D	47
R&D TOTAL					10,785
AR96	ATMOSPHRIC SIMULATION TSTG RES	Colorado	USAF	RDTE/Space - Other - Management & Support	110
	BERNER LANPHIER & ASSOCIATES	Maryland	USAF	RDTE/Space - Other - Management & Support	272
	ELECTRO MAGNETIC APPLICATION	Colorado	USAF	RDTE/Space - Other - Management & Support	451
	ENGINEERING TECHNOLOGIES INC	Virginia	USAF	RDTE/Space - Other - Management & Support	258
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Space - Other - Management & Support	33-
	INDEPENDENT RISK ASSESSMENT	California	USAF	RDTE/Space - Other - Management & Support	299
	INNOVATIVE INFORMATION SYS	California	USAF	RDTE/Space - Other - Management & Support	546
	MOUNTAIN OPTECH INC	Colorado	USAF	RDTE/Space - Other - Management & Support	566
	NAVSYS CORPORATION	Colorado	USAF	RDTE/Space - Other - Management & Support	241
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/Space - Other - Management & Support	415
	SYSTEMS & LOGISTICS CORP	California	USAF	RDTE/Space - Other - Management & Support	175
	TECHNOMICS INC	California	USAF	RDTE/Space - Other - Management & Support	102
	TRW INC	California	USAF	RDTE/Space - Other - Management & Support	1,105-
	UNIVERSITY TECHNOLOGISTS INC	Oklahoma	USAF	RDTE/Space - Other - Management & Support	199
R&D TOTAL					2,495
AS11	SCIENCE APPLICATIONS INTL CORP	Virginia	NAVY	RDTE/Transportation - Air - Basic Research	573
AS15	LOCKHEED SANDERS INC	New Mexico	ARMY	RDTE/Transportation - Air - Op Systems Dev	7,287
AS22	OPTICS 1 INC	California	NAVY	RDTE/Transportation - Motor Veh - Explor D	50
AS24	HODGES TRANSPORTATION INC	Nevada	NAVY	RDTE/Transportation - Motor Veh - Engineer	296
AS44	FMC CORPORATION	California	NAVY	RDTE/Transportation - Marine - Engineering	1,315
AS92	ORINCON CORPORATION	California	NAVY	RDTE/Transportation - Other - Exploratory	50
AT14	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/Trans - Hwys-Roads-Bridges - Engr Dev	126

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AT14 (CONTINUED)						
	SOUTHWEST MOBILE SYSTEMS CORP	Missouri	ARMY	RDTE/Trans - Hwys-Roads-Bridges - Engr Dev	$	6,090
	R&D TOTAL					6,216
AT21	DYNAMIC RESEARCH INC	Alabama	ARMY	RDTE/Trans - Human Factors - Basic Researc		846
		Mass	ARMY	RDTE/Trans - Human Factors - Basic Researc		50
	CONTRACTOR TOTAL					896
AT32	ARINC RESEARCH CORPORATION	Maryland	ARMY	RDTE/Trans - Navigational Aids - Explor De		196
	DYNAMIC RESEARCH INC	Alabama	ARMY	RDTE/Trans - Navigational Aids - Explor De		407
	R&D TOTAL					603
AT35	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Trans - Navigational Aids - Op System		6,481
AT96	BUDGET RENT A CAR	BAHRAIN	NAVY	RDTE/Trans - Other - Management & Support		132
AV72	METALWORKING TECHNOLOGY INC	Penn	NAVY	RDTE/Mining - Metallurgical - Exploratory		1,200
AV92	LOCUS INC	Penn	NAVY	RDTE/Other Mining Activities - Exploratory		30
AZ11	3M	Minnesota	ARMY	RDTE/Other Research & Development-Basic Re		421
	A & T SYSTEMS INC	Maryland	ARMY	RDTE/Other Research & Development-Basic Re		1,302
	ACADEMY APPLIED SCIENCE INC	N.H.	ARMY	RDTE/Other Research & Development-Basic Re		827
	ADCOM SYSTEMS TECH INC	Mass	NAVY	RDTE/Other Research & Development-Basic Re		57
	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/Other Research & Development-Basic Re		143
	ADVANCED CMMUNICATIONS SYSTEMS	Virginia	NAVY	RDTE/Other Research & Development-Basic Re		83
	ADVANCED COMMUNICATONS SYSTEMS	Virginia	NAVY	RDTE/Other Research & Development-Basic Re		74
	ADVANCED TECHNOLOGY MATERIALS	Conn	NAVY	RDTE/Other Research & Development-Basic Re		250
	AEROCHEM RESEARCH LABORATORIES	New Jersey	NAVY	RDTE/Other Research & Development-Basic Re		269
	AERODYNE RESEARCH INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re		113
			NAVY	RDTE/Other Research & Development-Basic Re		59
	STATE TOTAL					172

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	AEROVIRONMENT INC	California	NAVY	RDTE/Other Research & Development-Basic Re	$	27
	AETECH INC	California	USAF	RDTE/Other Research & Development-Basic Re		489
	ALBANY INTERNATIONAL CORP	Mass	ARMY	RDTE/Other Research & Development-Basic Re		57
	ALFORD RGERS CLLIMORE CONCEPTS	Florida	OCE	RDTE/Other Research & Development-Basic Re		84
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Other Research & Development-Basic Re		258
	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/Other Research & Development-Basic Re		30,933
	ALLISON H S INC	Maryland	NAVY	RDTE/Other Research & Development-Basic Re		223
	AMERICAN GNC CORPORATION	California	NAVY	RDTE/Other Research & Development-Basic Re		50
	AMERICAN INST RSRCH BEHAV SCI	D.C.	ARMY	RDTE/Other Research & Development-Basic Re		91
	AMERICAN SCIENTIFIC CORP	Miss	ARMY	RDTE/Other Research & Development-Basic Re		90
			OCE	RDTE/Other Research & Development-Basic Re		674
		STATE TOTAL				764
		S Carolina	OCE	RDTE/Other Research & Development-Basic Re		90
		Texas	OCE	RDTE/Other Research & Development-Basic Re		108
		Virginia	OCE	RDTE/Other Research & Development-Basic Re		40
		Wisconsin	OCE	RDTE/Other Research & Development-Basic Re		27
	CONTRACTOR TOTAL					1,029
	AMERICAN TELEPHONE & TELG CO	N Carolina	ARMY	RDTE/Other Research & Development-Basic Re		346
	AMERIND INCORPORATED	Virginia	ARMY	RDTE/Other Research & Development-Basic Re		250
	AMHERST SYSTEMS INC	New York	USAF	RDTE/Other Research & Development-Basic Re		191
	ANALYTIC POWER CORP	Mass	ARMY	RDTE/Other Research & Development-Basic Re		133
	ANALYTIC POWER CORPORATION	Mass	ARMY	RDTE/Other Research & Development-Basic Re		260
	ANATECH RESEARCH CORP	California	OCE	RDTE/Other Research & Development-Basic Re		32
	APA OPTICS INC	Minnesota	ARMY	RDTE/Other Research & Development-Basic Re		50
	APPLIED BIOMATHEMATICS INC	New York	OCE	RDTE/Other Research & Development-Basic Re		84

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	APPLIED RESEARCH & ANALYSIS	Louisiana	ARMY	RDTE/Other Research & Development-Basic Re	$	30
	APPLIED RESEARCH ASSOC INC	Colorado	NAVY	RDTE/Other Research & Development-Basic Re		55
		New Mexico	ARMY	RDTE/Other Research & Development-Basic Re		501
	CONTRACTOR TOTAL					556
	APPLIED RESEARCH CORPORATION	Maryland	NAVY	RDTE/Other Research & Development-Basic Re		647
	APPLIED TECHNOLOGY ASSOCIATES	Florida	ARMY	RDTE/Other Research & Development-Basic Re		48
	APPLIED THEORY INC	California	ARMY	RDTE/Other Research & Development-Basic Re		135
	ARCON CORPORATION	Mass	USAF	RDTE/Other Research & Development-Basic Re		47
	ARETE ASSOCIATES	California	NAVY	RDTE/Other Research & Development-Basic Re		140
	ARIZONA STATE UNIVERSITY	Arizona	ARMY	RDTE/Other Research & Development-Basic Re		73
	ARKANSAS UNIVERSITY OF	Arkansas	OCE	RDTE/Other Research & Development-Basic Re		27
	ASR INTERNATIONAL CORP	New York	ARMY	RDTE/Other Research & Development-Basic Re		83
	ASTROPOWER INC	Delaware	NAVY	RDTE/Other Research & Development-Basic Re		50
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/Other Research & Development-Basic Re		60
			USAF	RDTE/Other Research & Development-Basic Re		585
		STATE TOTAL				645
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/Other Research & Development-Basic Re		377
	AUBURN UNIVERSITY	Alabama	ARMY	RDTE/Other Research & Development-Basic Re		136
			OCE	RDTE/Other Research & Development-Basic Re		151
		STATE TOTAL				287
	AUGSBURG COLLEGE	Minnesota	USAF	RDTE/Other Research & Development-Basic Re		115
	AUTOMATION RES SYSTEMS LTD	Virginia	ARMY	RDTE/Other Research & Development-Basic Re		397
	B M T INTERNATIONAL INC	Maryland	OCE	RDTE/Other Research & Development-Basic Re		97
	BATTELLE MEMORIAL INSTITUTE	Alabama	ARMY	RDTE/Other Research & Development-Basic Re		309
		California	ARMY	RDTE/Other Research & Development-Basic Re		680

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
		Colorado	ARMY	RDTE/Other Research & Development-Basic Re	$	112
		Conn	ARMY	RDTE/Other Research & Development-Basic Re		72
		Delaware	ARMY	RDTE/Other Research & Development-Basic Re		141
		D.C.	ARMY	RDTE/Other Research & Development-Basic Re		60
		Florida	ARMY	RDTE/Other Research & Development-Basic Re		663
		Georgia	ARMY	RDTE/Other Research & Development-Basic Re		193
		Illinois	ARMY	RDTE/Other Research & Development-Basic Re		121
		Indiana	ARMY	RDTE/Other Research & Development-Basic Re		27
		Kentucky	ARMY	RDTE/Other Research & Development-Basic Re		28
		Louisiana	ARMY	RDTE/Other Research & Development-Basic Re		32
		Maryland	ARMY	RDTE/Other Research & Development-Basic Re		120
		Mass	ARMY	RDTE/Other Research & Development-Basic Re		535
		Michigan	ARMY	RDTE/Other Research & Development-Basic Re		231
		Miss	ARMY	RDTE/Other Research & Development-Basic Re		142
		Missouri	ARMY	RDTE/Other Research & Development-Basic Re		30
		Nebraska	ARMY	RDTE/Other Research & Development-Basic Re		32
		New Jersey	ARMY	RDTE/Other Research & Development-Basic Re		296
		New Mexico	ARMY	RDTE/Other Research & Development-Basic Re		182
		New York	ARMY	RDTE/Other Research & Development-Basic Re		381
		N Carolina	ARMY	RDTE/Other Research & Development-Basic Re		304
		Ohio	ARMY	RDTE/Other Research & Development-Basic Re		3,798
		Penn	ARMY	RDTE/Other Research & Development-Basic Re		326
		S Carolina	ARMY	RDTE/Other Research & Development-Basic Re		211
		Tennessee	ARMY	RDTE/Other Research & Development-Basic Re		69

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
		Texas	ARMY	RDTE/Other Research & Development-Basic Re	$	188
		Utah	ARMY	RDTE/Other Research & Development-Basic Re		66
		Virginia	ARMY	RDTE/Other Research & Development-Basic Re		796
		Washington	ARMY	RDTE/Other Research & Development-Basic Re		156
			OCE	RDTE/Other Research & Development-Basic Re		47
		STATE TOTAL				203
		Wisconsin	ARMY	RDTE/Other Research & Development-Basic Re		99
		CANADA	ARMY	RDTE/Other Research & Development-Basic Re		51
	CONTRACTOR TOTAL					10,499
	BDM INTERNATIONAL INC	Florida	USAF	RDTE/Other Research & Development-Basic Re		117
		New Mexico	ARMY	RDTE/Other Research & Development-Basic Re		1,898
		Virginia	ARMY	RDTE/Other Research & Development-Basic Re		649
	CONTRACTOR TOTAL					2,662
	BDM MANAGEMENT SERVICES CO	Virginia	ARMY	RDTE/Other Research & Development-Basic Re		63
	BENDIX FIELD ENGINEERING CORP	Maryland	NAVY	RDTE/Other Research & Development-Basic Re		60
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/Other Research & Development-Basic Re		95
		D.C.	NAVY	RDTE/Other Research & Development-Basic Re		180
	CONTRACTOR TOTAL					275
	BIOELASTICS RESEARCH LTD	Alabama	ARMY	RDTE/Other Research & Development-Basic Re		50
	BIOSCIENCE INC	Penn	OCE	RDTE/Other Research & Development-Basic Re		32
	BORGMAN L E INC	Wyoming	OCE	RDTE/Other Research & Development-Basic Re		45
	BOSTON COLLEGE TRUSTEES OF	Mass	USAF	RDTE/Other Research & Development-Basic Re		415
	BREAULT RESEARCH ORGANIZATION	Arizona	NAVY	RDTE/Other Research & Development-Basic Re		50
	BREWER SCIENCE INC	Missouri	ARMY	RDTE/Other Research & Development-Basic Re		250

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	BRIDGE DIAGNOSTICS	Colorado	OCE	RDTE/Other Research & Development-Basic Re	$ 59
	BRIDGE ELECTRONICS CO	Colorado	OCE	RDTE/Other Research & Development-Basic Re	58
	BRIGHAM YOUNG UNIVERSITY	Utah	ARMY	RDTE/Other Research & Development-Basic Re	35
			OCE	RDTE/Other Research & Development-Basic Re	50
		STATE TOTAL			84
	C A E INDUSTRIES LTD	Virginia	ARMY	RDTE/Other Research & Development-Basic Re	285
	C E S INC	Maryland	ARMY	RDTE/Other Research & Development-Basic Re	252
	C H A M OF NORTH AMERICA INC	Alabama	NAVY	RDTE/Other Research & Development-Basic Re	89
	CALIF RESCH & TECHNOLOGY INC	California	ARMY	RDTE/Other Research & Development-Basic Re	1,243
	CALIFORNIA INST OF TECHNOLOGY	California	ARMY	RDTE/Other Research & Development-Basic Re	211
	CALIFORNIA RESEARCH & TECH	California	ARMY	RDTE/Other Research & Development-Basic Re	635
	CALSPAN CORPORATION	New York	ARMY	RDTE/Other Research & Development-Basic Re	56
	CANADIAN COMMERCIAL CORPORATI	CANADA	NAVY	RDTE/Other Research & Development-Basic Re	240
			OCE	RDTE/Other Research & Development-Basic Re	997
		STATE TOTAL			1,237
	CAPE COD RESEARCH INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re	105
			NAVY	RDTE/Other Research & Development-Basic Re	64
		STATE TOTAL			169
	CARNEGIE MELLON UNIVERSITY	Penn	ARMY	RDTE/Other Research & Development-Basic Re	760
	CARVER RESH F TSKG UNV	Alabama	ARMY	RDTE/Other Research & Development-Basic Re	123
	CASE WESTERN RESERVE UNIV	Ohio	ARMY	RDTE/Other Research & Development-Basic Re	87
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/Other Research & Development-Basic Re	90
	CENTURY COMPUTING INC	Maryland	ARMY	RDTE/Other Research & Development-Basic Re	50
	CERCOM INC	California	ARMY	RDTE/Other Research & Development-Basic Re	220
	CHANCE JOHN E & ASSOCIATES	Louisiana	OCE	RDTE/Other Research & Development-Basic Re	223

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	CHAPMAN RAY & ASSOCIATES	Miss	OCE	RDTE/Other Research & Development-Basic Re	$	65
	CHARLES RIVER ANALYTICS INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re		50
	CHASE TECHNOLOGIES INC	California	ARMY	RDTE/Other Research & Development-Basic Re		73
	CHICAGO BRIDGE & IRON CO	Illinois	NAVY	RDTE/Other Research & Development-Basic Re		66
	CHOCTAW ENGINEERING CO INC	Georgia	ARMY	RDTE/Other Research & Development-Basic Re		780
	CITY UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/Other Research & Development-Basic Re		60
	CLARK ATLANTA UNIVERSITY INC	Georgia	ARMY	RDTE/Other Research & Development-Basic Re		39
	CLARKSON UNIVERSITY	New York	ARMY	RDTE/Other Research & Development-Basic Re		63
	CLEMSON UNIVERSITY	S Carolina	DLA	RDTE/Other Research & Development-Basic Re		48
			OCE	RDTE/Other Research & Development-Basic Re		55
		STATE TOTAL				103
	COBRA TECHNOLOGIES INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re		180
	COHERENT TECHNOLOGIES INC	Colorado	ARMY	RDTE/Other Research & Development-Basic Re		50
	COLORADO SCHOOL OF MINES	Colorado	ARMY	RDTE/Other Research & Development-Basic Re		34
	COLORADO STATE UNIVERSITY	Colorado	ARMY	RDTE/Other Research & Development-Basic Re		168
			OCE	RDTE/Other Research & Development-Basic Re		344
		STATE TOTAL				513
	COLUMBIA-GREENE	New York	OCE	RDTE/Other Research & Development-Basic Re		40
	COMMONWEALTH TECHNOLOGY INC	Virginia	NAVY	RDTE/Other Research & Development-Basic Re		507
	CONCORD ASSOCIATES INC	Tennessee	ARMY	RDTE/Other Research & Development-Basic Re		139
	COORS ADOLPH COMPANY	Colorado	ARMY	RDTE/Other Research & Development-Basic Re		230
	CORDIN COMPANY	Utah	ARMY	RDTE/Other Research & Development-Basic Re		86
	CORNELL UNIVERSITY	New York	ARMY	RDTE/Other Research & Development-Basic Re		1,860
			USAF	RDTE/Other Research & Development-Basic Re		32
			OCE	RDTE/Other Research & Development-Basic Re		32
		STATE TOTAL				1,925

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AZ11 (CONTINUED)						
	COVALENT ASSOCIATES INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re	$	31
	D C W INDUSTRIES INC	California	ARMY	RDTE/Other Research & Development-Basic Re		41
	DAEDALUS ENTERPRISES INC	Michigan	ARMY	RDTE/Other Research & Development-Basic Re		114
			USAF	RDTE/Other Research & Development-Basic Re		165
		STATE TOTAL				279
	DAMASKOS INC	Penn	ARMY	RDTE/Other Research & Development-Basic Re		76
	DARTMOUTH COLLEGE	N.H.	ARMY	RDTE/Other Research & Development-Basic Re		137
	DATASONICS INC	Mass	NAVY	RDTE/Other Research & Development-Basic Re		50
	DAVIS TECHNOLOGIES INTL	Texas	NAVY	RDTE/Other Research & Development-Basic Re		184
	DCS CORPORATION	Virginia	NAVY	RDTE/Other Research & Development-Basic Re		50
	DECISION SCIENCE CONSORTIUM	Virginia	ARMY	RDTE/Other Research & Development-Basic Re		30
	DEDICATED ELECTRONICS INC	N.H.	ARMY	RDTE/Other Research & Development-Basic Re		368
	DEFENSE GROUP INC	California	ARMY	RDTE/Other Research & Development-Basic Re		50
	DIGITAL MAPPING & GRAPHICS	Missouri	OCE	RDTE/Other Research & Development-Basic Re		29
	DISPLAYTECH INC	Colorado	ARMY	RDTE/Other Research & Development-Basic Re		288
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/Other Research & Development-Basic Re		319
	DREXEL UNIVERSITY	Penn	ARMY	RDTE/Other Research & Development-Basic Re		150
	DUKE UNIVERSITY	N Carolina	ARMY	RDTE/Other Research & Development-Basic Re		357
	E I C LABORATORIES INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re		58
	E-SYSTEMS INC	Virginia	NAVY	RDTE/Other Research & Development-Basic Re		127
	EAST CAROLINA UNIVERSITY	N Carolina	ARMY	RDTE/Other Research & Development-Basic Re		35
	EBASCO SERVICES INC	Washington	OCE	RDTE/Other Research & Development-Basic Re		204
	ELECTRO-OPTEK CORPORATION	California	ARMY	RDTE/Other Research & Development-Basic Re		350
	ELECTROKINETICS INC	Louisiana	ARMY	RDTE/Other Research & Development-Basic Re		93
	ELECTRONETICS CORPORATION	New York	ARMY	RDTE/Other Research & Development-Basic Re		30

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	ENDOCHRONICS	Washington	OCE	RDTE/Other Research & Development-Basic Re	$ 60
	ENVIRNMENTAL RES INST OF MICH	Michigan	ARMY	RDTE/Other Research & Development-Basic Re	94
			USAF	RDTE/Other Research & Development-Basic Re	55
		STATE TOTAL			149
	ENVIRONMENTAL DYNAMICS RES	Florida	OCE	RDTE/Other Research & Development-Basic Re	42
	ENZYME TECHNOLOGY RES GROUP	N Carolina	NAVY	RDTE/Other Research & Development-Basic Re	50
	EVANS HAMILTON INC	Texas	OCE	RDTE/Other Research & Development-Basic Re	706
	FILTRATION TECHNOLOGY INC	N Carolina	NAVY	RDTE/Other Research & Development-Basic Re	38
	FLIGHT TECHNOLOGY INTL	Virginia	ARMY	RDTE/Other Research & Development-Basic Re	146
	FLORIDA ATLANTIC UNIVERSITY	Florida	OCE	RDTE/Other Research & Development-Basic Re	76
	FLORIDA INST OF TECHNOLOGY	Florida	OCE	RDTE/Other Research & Development-Basic Re	26
	FLORIDA MAXIMA CORP	Florida	ARMY	RDTE/Other Research & Development-Basic Re	91
	FLOW ANALYSIS	New York	ARMY	RDTE/Other Research & Development-Basic Re	43
	FLOW RESEARCH INC	Washington	ARMY	RDTE/Other Research & Development-Basic Re	387
			OCE	RDTE/Other Research & Development-Basic Re	88
		STATE TOTAL			475
	FM TECHNOLOGIES INC	Virginia	NAVY	RDTE/Other Research & Development-Basic Re	181
	FOSTER MILLER INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re	251
	FRONTIER TECHNOLOGY INC	California	USAF	RDTE/Other Research & Development-Basic Re	313
	FU ASSOCIATES LIMITED	Virginia	ARMY	RDTE/Other Research & Development-Basic Re	50
	GENERAL ATOMICS	California	NAVY	RDTE/Other Research & Development-Basic Re	100
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/Other Research & Development-Basic Re	2,457
		Texas	ARMY	RDTE/Other Research & Development-Basic Re	566
	CONTRACTOR TOTAL				3,023
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/Other Research & Development-Basic Re	22,991

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
		New York	ARMY	RDTE/Other Research & Development-Basic Re	$	1,379
	CONTRACTOR TOTAL					24,371
	GENERAL RESEARCH CORPORATION	California	ARMY	RDTE/Other Research & Development-Basic Re		500
			USAF	RDTE/Other Research & Development-Basic Re		2,152
		STATE TOTAL				2,652
	GENERAL TECHNOLOGY INC	Maryland	ARMY	RDTE/Other Research & Development-Basic Re		33-
	GENTEX CORPORATION	Penn	ARMY	RDTE/Other Research & Development-Basic Re		73-
	GEO CENTERS INC	D.C.	NAVY	RDTE/Other Research & Development-Basic Re		1,649
		Mass	ARMY	RDTE/Other Research & Development-Basic Re		34
			NAVY	RDTE/Other Research & Development-Basic Re		1,074
		STATE TOTAL				1,108
	CONTRACTOR TOTAL					2,757
	GEORGE MASON UNIVERSITY	Virginia	ARMY	RDTE/Other Research & Development-Basic Re		51
	GEORGETOWN UNIVERSITY	D.C.	NAVY	RDTE/Other Research & Development-Basic Re		484
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/Other Research & Development-Basic Re		1,351
	GEORGIA STATE UNIVERSITY	Georgia	ARMY	RDTE/Other Research & Development-Basic Re		39
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Other Research & Development-Basic Re		1,311
			NAVY	RDTE/Other Research & Development-Basic Re		239
			DLA	RDTE/Other Research & Development-Basic Re		129
		STATE TOTAL				1,679
	GEOSYSTEMS ENGINEERING INC	Kansas	ARMY	RDTE/Other Research & Development-Basic Re		300
	GINER INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re		306
	GRUMMAN AEROSPACE CORPORATION	New Jersey	NAVY	RDTE/Other Research & Development-Basic Re		369
		New York	ARMY	RDTE/Other Research & Development-Basic Re		78
	CONTRACTOR TOTAL					446
	HADRON INC	Virginia	ARMY	RDTE/Other Research & Development-Basic Re		122

Prepared By: Washington Headquarters Services
Directorate for Information
Operations and Reports

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	HARRIS GROUP THE INC	Virginia	ARMY	RDTE/Other Research & Development-Basic Re	$	155
	HERCULES INCORPORATED	Utah	ARMY	RDTE/Other Research & Development-Basic Re		6,297
	HI TECH SCIENTIFIC	UNITED KIN	ARMY	RDTE/Other Research & Development-Basic Re		91
	HITTMAN MTLS & MED COMPONENTS	Maryland	ARMY	RDTE/Other Research & Development-Basic Re		50
	HNC INC	California	ARMY	RDTE/Other Research & Development-Basic Re		49
	HORIZON TECHNOLOGY GROUP	Virginia	NAVY	RDTE/Other Research & Development-Basic Re		130
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Other Research & Development-Basic Re		125
			NAVY	RDTE/Other Research & Development-Basic Re		303
		STATE TOTAL				429
	HUGHES STX CORPORATION	Mass	USAF	RDTE/Other Research & Development-Basic Re		197
	HUMAN RSRCES RES ORGANIZATION	Virginia	ARMY	RDTE/Other Research & Development-Basic Re		97
	HYBRID NETWORKS, INC.	California	ARMY	RDTE/Other Research & Development-Basic Re		725
	HYDROQUAL INC	New Jersey	OCE	RDTE/Other Research & Development-Basic Re		101
	I A P RESEARCH INC	Ohio	ARMY	RDTE/Other Research & Development-Basic Re		55
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/Other Research & Development-Basic Re		210
			DLA	RDTE/Other Research & Development-Basic Re		4,832
		STATE TOTAL				5,042
	I MATH ASSOCIATES INC	Vermont	ARMY	RDTE/Other Research & Development-Basic Re		45
	I S AEROSPACE	D.C.	NAVY	RDTE/Other Research & Development-Basic Re		732
	I-MATH ASSOCIATES INC	Florida	ARMY	RDTE/Other Research & Development-Basic Re		73
	ILLUSION ENGINEERING INC	California	ARMY	RDTE/Other Research & Development-Basic Re		190
	IMPLANT SCIENCES CORPORATION	Mass	ARMY	RDTE/Other Research & Development-Basic Re		307
	INERTIA SWITCH INC	D.C.	NAVY	RDTE/Other Research & Development-Basic Re		280
	INNOVATION ASSOCIATES	Michigan	NAVY	RDTE/Other Research & Development-Basic Re		50
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/Other Research & Development-Basic Re		78

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	INTELLIGENT AUTOMATION INC	Maryland	ARMY	RDTE/Other Research & Development-Basic Re	$ 50
	INTERFEROMETRICS INC	D.C.	NAVY	RDTE/Other Research & Development-Basic Re	1,435
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/Other Research & Development-Basic Re	160
	IONWERKS	Texas	ARMY	RDTE/Other Research & Development-Basic Re	294
	IRVINE SENSORS CORPORATION	California	NAVY	RDTE/Other Research & Development-Basic Re	231
	JAI ASSOCIATES INC	California	ARMY	RDTE/Other Research & Development-Basic Re	47
	JAYCOR	California	OCE	RDTE/Other Research & Development-Basic Re	36
	K V H INDUSTRIES INC	Rhode Isld	ARMY	RDTE/Other Research & Development-Basic Re	61
	KBN ENGNERING APPLIED SCIENCES	Florida	OCE	RDTE/Other Research & Development-Basic Re	70
	KEVIN L. ERWIN CONSULTING	Florida	OCE	RDTE/Other Research & Development-Basic Re	30
	KING CORP	Wyoming	OCE	RDTE/Other Research & Development-Basic Re	51
	KLEIN ASSOCIATES INC	Ohio	ARMY	RDTE/Other Research & Development-Basic Re	366
			NAVY	RDTE/Other Research & Development-Basic Re	222
		STATE TOTAL			587
	KOPIN CORPORATION	Mass	ARMY	RDTE/Other Research & Development-Basic Re	180
	KULITE SEMICONDUCTOR PRODUCTS	New Jersey	ARMY	RDTE/Other Research & Development-Basic Re	50
	L N K CORPORATION	Maryland	NAVY	RDTE/Other Research & Development-Basic Re	49
	LANGUAGE SYSTEMS INC	California	ARMY	RDTE/Other Research & Development-Basic Re	47
	LEHIGH UNIVERSITY	Penn	ARMY	RDTE/Other Research & Development-Basic Re	86
			OCE	RDTE/Other Research & Development-Basic Re	49
		STATE TOTAL			135
	LIGHTING SCIENCES INC	Arizona	ARMY	RDTE/Other Research & Development-Basic Re	125
	LITTLE ARTHUR D INC	Mass	USAF	RDTE/Other Research & Development-Basic Re	97
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/Other Research & Development-Basic Re	98
	LOCKHEED SANDERS INC	N.H.	ARMY	RDTE/Other Research & Development-Basic Re	135

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	LOCKHEED WESTERN EXPORT CO	Georgia	ARMY	RDTE/Other Research & Development-Basic Re	$ 482
	LOUISIANA STATE OF	Louisiana	ARMY	RDTE/Other Research & Development-Basic Re	136
	LOUISIANA STATE UNIV SYSTEM	Louisiana	OCE	RDTE/Other Research & Development-Basic Re	234
	LOUISIANA TECH UNIVERSITY	Louisiana	ARMY	RDTE/Other Research & Development-Basic Re	40
			OCE	RDTE/Other Research & Development-Basic Re	30
		STATE TOTAL			70
	LYNNTECH INC	Texas	ARMY	RDTE/Other Research & Development-Basic Re	50
	MADEN TECH CONSULTING INC	California	NAVY	RDTE/Other Research & Development-Basic Re	1,332
		Virginia	NAVY	RDTE/Other Research & Development-Basic Re	5,194
	CONTRACTOR TOTAL				6,526
	MAGNA ENTERPRISES INTL	California	NAVY	RDTE/Other Research & Development-Basic Re	449
	MANAGEMENT COMM & CTRL	Virginia	NAVY	RDTE/Other Research & Development-Basic Re	290
	MARDON INC	California	USAF	RDTE/Other Research & Development-Basic Re	314
	MARK RESOURCES INC	California	ARMY	RDTE/Other Research & Development-Basic Re	148-
	MARQUARDT COMPANY THE	California	NAVY	RDTE/Other Research & Development-Basic Re	607
	MARTIN GOFFMAN ASSOCIATES	New Jersey	ARMY	RDTE/Other Research & Development-Basic Re	50
	MASSACHUSETTS INST OF TCHNOLOG	Maine	NAVY	RDTE/Other Research & Development-Basic Re	895
		Mass	ARMY	RDTE/Other Research & Development-Basic Re	1,530
			NAVY	RDTE/Other Research & Development-Basic Re	80
			USAF	RDTE/Other Research & Development-Basic Re	262
			OCE	RDTE/Other Research & Development-Basic Re	143
		STATE TOTAL			2,015
	CONTRACTOR TOTAL				2,910
	MATERIALS ELECTROCHEMICAL RES	Arizona	ARMY	RDTE/Other Research & Development-Basic Re	45
	MATERIALS SCIENCES CORP	Penn	ARMY	RDTE/Other Research & Development-Basic Re	50
	MAXWELL LABORATORIES INC	California	ARMY	RDTE/Other Research & Development-Basic Re	198

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
			USAF	RDTE/Other Research & Development-Basic Re	$ 767
		STATE TOTAL			965
	MCDONNELL AIRCRAFT COMPANY	Missouri	NAVY	RDTE/Other Research & Development-Basic Re	80
	MCDONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/Other Research & Development-Basic Re	90
	MDT ADVISERS INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re	43
	MEMPHIS STATE UNIVERSITY	Tennessee	ARMY	RDTE/Other Research & Development-Basic Re	67
	MENTOR TECHNOLOGIES INC	Maryland	ARMY	RDTE/Other Research & Development-Basic Re	50
	MESOSCALE ENVIR SIMULATN	New York	ARMY	RDTE/Other Research & Development-Basic Re	128
	METROLASER	California	ARMY	RDTE/Other Research & Development-Basic Re	50
	MICRO ANALYSIS AND DESIGN INC	Colorado	ARMY	RDTE/Other Research & Development-Basic Re	245
	MIDDLEBURY COLLEGE	Vermont	OCE	RDTE/Other Research & Development-Basic Re	55
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/Other Research & Development-Basic Re	149
			NAVY	RDTE/Other Research & Development-Basic Re	60
		STATE TOTAL			209
		N.H.	USAF	RDTE/Other Research & Development-Basic Re	785
	CONTRACTOR TOTAL				994
	MISSISSIPPI STATE UNIVERSITY	Miss	ARMY	RDTE/Other Research & Development-Basic Re	160
			OCE	RDTE/Other Research & Development-Basic Re	40
		STATE TOTAL			200
	MISSOURI SYSTEM UNIVERSITY	Missouri	NAVY	RDTE/Other Research & Development-Basic Re	72
	MODELL DEVELOPMENT CORPORATION	Mass	ARMY	RDTE/Other Research & Development-Basic Re	124
	MONTEREY BAY CORPORATION	Maryland	ARMY	RDTE/Other Research & Development-Basic Re	33
	MOTE MARINE LABORATORY	Florida	OCE	RDTE/Other Research & Development-Basic Re	48
	MOTIVAIR CORPORATION	Alabama	ARMY	RDTE/Other Research & Development-Basic Re	50
	MYCOTECH CORPORATION	Montana	NAVY	RDTE/Other Research & Development-Basic Re	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	NATIONAL ACADEMY SCIENCES USA	California	NAVY	RDTE/Other Research & Development-Basic Re	$	71
		D.C.	ARMY	RDTE/Other Research & Development-Basic Re		1,703
	CONTRACTOR TOTAL					1,774
	NATIONAL CNCL ON RADTN PRTCTN	Maryland	NAVY	RDTE/Other Research & Development-Basic Re		45
	NEW ENGLAND INSTITUTE FOR	N.H.	ARMY	RDTE/Other Research & Development-Basic Re		32
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/Other Research & Development-Basic Re		343
	NEW YORK UNIVERSITY	New York	USAF	RDTE/Other Research & Development-Basic Re		1,017
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/Other Research & Development-Basic Re		762
			NAVY	RDTE/Other Research & Development-Basic Re		750
		STATE TOTAL				1,512
	NIELSEN ENGINEERING & RES	California	ARMY	RDTE/Other Research & Development-Basic Re		103
	NORMANDEAU ASSOC INC	S Carolina	OCE	RDTE/Other Research & Development-Basic Re		82
	NORTH CAROLINA A&T STATE UNIV	N Carolina	ARMY	RDTE/Other Research & Development-Basic Re		34
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/Other Research & Development-Basic Re		543
			OCE	RDTE/Other Research & Development-Basic Re		36
		STATE TOTAL				579
	NORTH COAST INNOVATION INC	Ohio	ARMY	RDTE/Other Research & Development-Basic Re		49
	NORTHEAST LOUISIANA UNIVERSITY	Louisiana	OCE	RDTE/Other Research & Development-Basic Re		90
	NORTHWEST TECHNICAL INDUSTRIES	Washington	NAVY	RDTE/Other Research & Development-Basic Re		40
	NORTHWESTERN UNIVERSITY	Illinois	ARMY	RDTE/Other Research & Development-Basic Re		251
	NTI INC	Ohio	ARMY	RDTE/Other Research & Development-Basic Re		47
	NUCLEAR REMEDIATION TECH CORP	California	USAF	RDTE/Other Research & Development-Basic Re		190
	OCEAN WEATHER INC	Conn	OCE	RDTE/Other Research & Development-Basic Re		28
	ODYSSEY RESEARCH ASSOCIATES	New York	USAF	RDTE/Other Research & Development-Basic Re		185
	OFFSHORE & COASTAL	Penn	ARMY	RDTE/Other Research & Development-Basic Re		65

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	OFFSHORE & COASTAL TECH INC	Miss	OCE	RDTE/Other Research & Development-Basic Re	$	60
	OHIO STATE UNIVERSITY	Ohio	ARMY	RDTE/Other Research & Development-Basic Re		35
			OCE	RDTE/Other Research & Development-Basic Re		121
		STATE TOTAL				156
	OKLAHOMA STATE UNIVERSITY	Oklahoma	ARMY	RDTE/Other Research & Development-Basic Re		135
			OCE	RDTE/Other Research & Development-Basic Re		41
		STATE TOTAL				176
	OLD DMNION UNIV RES FUNDATION	Virginia	OCE	RDTE/Other Research & Development-Basic Re		29
	OLYMPIC LOAD & TEST	Washington	NAVY	RDTE/Other Research & Development-Basic Re		55
	OPTECH LABORATORY	California	ARMY	RDTE/Other Research & Development-Basic Re		50
	OPTICAL CORP OF AMERICA	California	NAVY	RDTE/Other Research & Development-Basic Re		49
	OPTIMETRICS INC	Michigan	ARMY	RDTE/Other Research & Development-Basic Re		652
	OREGON GRAD CTR STUDY RESEARCH	Oregon	OCE	RDTE/Other Research & Development-Basic Re		70
	OREGON STATE UNIVERSITY	Oregon	ARMY	RDTE/Other Research & Development-Basic Re		80
			NAVY	RDTE/Other Research & Development-Basic Re		89
			OCE	RDTE/Other Research & Development-Basic Re		120
		STATE TOTAL				289
	OUACHITA BAPTIST UNIVERSITY	Arkansas	OCE	RDTE/Other Research & Development-Basic Re		69
	PENNSYLVANIA STATE UNIVERSITY	Penn	ARMY	RDTE/Other Research & Development-Basic Re		241
	PERKIN-ELMER CORPORATION THE	Conn	NAVY	RDTE/Other Research & Development-Basic Re		100
	PHASEX CORPORATION	Mass	NAVY	RDTE/Other Research & Development-Basic Re		121
	PHOTO METRIC INC	Mass	USAF	RDTE/Other Research & Development-Basic Re		198
	PHYSICAL OPTICS CORPORATION	California	ARMY	RDTE/Other Research & Development-Basic Re		50
	PHYSICS MATHEMATICS & COMPUTER	New Mexico	NAVY	RDTE/Other Research & Development-Basic Re		49
	PICOTRONIX INC	Michigan	ARMY	RDTE/Other Research & Development-Basic Re		50
	POLYTECHNIC UNIVERSITY	New York	ARMY	RDTE/Other Research & Development-Basic Re		40

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	POTOMAC PHOTONICS INC	D.C.	NAVY	RDTE/Other Research & Development-Basic Re	$	110
	POTOMAC RESEARCH INCORPORATED	D.C.	NAVY	RDTE/Other Research & Development-Basic Re		60
		Virginia	NAVY	RDTE/Other Research & Development-Basic Re		50
	CONTRACTOR TOTAL					110
	PRC INC	California	NAVY	RDTE/Other Research & Development-Basic Re		125
	PRINCETON UNIVERSITY	New Jersey	ARMY	RDTE/Other Research & Development-Basic Re		434
	PRODUCT PLANNING INC	Illinois	ARMY	RDTE/Other Research & Development-Basic Re		262
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/Other Research & Development-Basic Re		212
			OCE	RDTE/Other Research & Development-Basic Re		133
	STATE TOTAL					345
	QUEST STRUCTURES	California	OCE	RDTE/Other Research & Development-Basic Re		114
	QUESTAR DATA SYSTEMS INC	Minnesota	ARMY	RDTE/Other Research & Development-Basic Re		298
	QUESTECH INC	D.C.	NAVY	RDTE/Other Research & Development-Basic Re		406
		Virginia	NAVY	RDTE/Other Research & Development-Basic Re		632
	CONTRACTOR TOTAL					1,039
	RAYTHEON COMPANY	Mass	NAVY	RDTE/Other Research & Development-Basic Re		32
	REGENTS OF UNIV OF COLORADO	Colorado	OCE	RDTE/Other Research & Development-Basic Re		50
	RENSSELAER POLYTECHNIC INST	New York	ARMY	RDTE/Other Research & Development-Basic Re		370
	RESEARCH FOR BETTER TEACHING	Mass	ARMY	RDTE/Other Research & Development-Basic Re		399
	RGB ASSOCIATES INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re		48
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/Other Research & Development-Basic Re		150
	ROWE DEINES INSTRUMENTS INC	California	OCE	RDTE/Other Research & Development-Basic Re		207
	ROYBAL & ASSOC A PROF CORP	Colorado	ARMY	RDTE/Other Research & Development-Basic Re		30
	RUTGERS THE STATE UNIVERSITY	New Jersey	ARMY	RDTE/Other Research & Development-Basic Re		59

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	S C S TELECOM INC	New York	ARMY	RDTE/Other Research & Development-Basic Re	$ 36
	S F A INC	D.C.	NAVY	RDTE/Other Research & Development-Basic Re	1,667
		Maryland	NAVY	RDTE/Other Research & Development-Basic Re	565
	CONTRACTOR TOTAL				2,232
	S P SURVEYS	California	OCE	RDTE/Other Research & Development-Basic Re	54
	SAN DIEGO STATE UNIV FNDTN	California	NAVY	RDTE/Other Research & Development-Basic Re	623
	SCHWARTZ ELECTRO-OPTICS INC	Florida	ARMY	RDTE/Other Research & Development-Basic Re	50
	SCIENCE & TECHNOLOGY CORP	New Mexico	ARMY	RDTE/Other Research & Development-Basic Re	100
		Virginia	ARMY	RDTE/Other Research & Development-Basic Re	2,459
	CONTRACTOR TOTAL				2,559
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/Other Research & Development-Basic Re	141
			NAVY	RDTE/Other Research & Development-Basic Re	1,368
			USAF	RDTE/Other Research & Development-Basic Re	334
		STATE TOTAL			1,843
		Virginia	ARMY	RDTE/Other Research & Development-Basic Re	72
	CONTRACTOR TOTAL				1,915
	SCIENCE RESEARCH LABORATORY	Mass	ARMY	RDTE/Other Research & Development-Basic Re	300
	SCIENTIFIC RESEARCH ASSOC INC	Conn	ARMY	RDTE/Other Research & Development-Basic Re	329
	SCIENTIFIC SYSTEMS INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re	60
	SCULLY'S ALUMINUM CRAFTS, INC.	Louisiana	ARMY	RDTE/Other Research & Development-Basic Re	63
	SECO-DYN INC	California	ARMY	RDTE/Other Research & Development-Basic Re	171
	SEDIMENT INSTRMNTATION RES DEV	Oregon	OCE	RDTE/Other Research & Development-Basic Re	35
	SENSORS UNLIMITED INC	New Jersey	ARMY	RDTE/Other Research & Development-Basic Re	100
	SEPARATION SYSTEMS TECHNOLOGY	California	NAVY	RDTE/Other Research & Development-Basic Re	49
	SIGNAL PROCESSING TECHNOLOGY	California	ARMY	RDTE/Other Research & Development-Basic Re	70

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	SJS CORPORATION	Oregon	OCE	RDTE/Other Research & Development-Basic Re	$	33
	SOFT SWITCH INC	Penn	ARMY	RDTE/Other Research & Development-Basic Re		928
	SOFTWARE TECHNOLOGY INC	D.C.	NAVY	RDTE/Other Research & Development-Basic Re		455
		Florida	NAVY	RDTE/Other Research & Development-Basic Re		4,292
	CONTRACTOR TOTAL					4,747
	SOUTHERN METHODIST UNIVERSITY	Texas	ARMY	RDTE/Other Research & Development-Basic Re		26
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/Other Research & Development-Basic Re		938
	SPACE POWER INCORPORATED	California	ARMY	RDTE/Other Research & Development-Basic Re		102
	SPARTA INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re		100
	SPECTRA DIODE LABORATORIES	California	NAVY	RDTE/Other Research & Development-Basic Re		28
	SPECTRAL SCIENCES INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re		100
	SPIRE CORPORATION	Mass	ARMY	RDTE/Other Research & Development-Basic Re		245
	SRI INTERNATIONAL	California	ARMY	RDTE/Other Research & Development-Basic Re		598
			USAF	RDTE/Other Research & Development-Basic Re		144
			DLA	RDTE/Other Research & Development-Basic Re		3,325
	STATE TOTAL					4,067
	STANFORD UNIVERSITY	California	ARMY	RDTE/Other Research & Development-Basic Re		1,929
	STATISCAL SIGNAL PROCESSING	California	ARMY	RDTE/Other Research & Development-Basic Re		69
	SURFACE OPTICS CORP	California	ARMY	RDTE/Other Research & Development-Basic Re		100
	SYMBIOTECH, INC.	Conn	NAVY	RDTE/Other Research & Development-Basic Re		50
	SYNDETIX INC	New Mexico	ARMY	RDTE/Other Research & Development-Basic Re		646
	SYSCON CORPORATION	D.C.	NAVY	RDTE/Other Research & Development-Basic Re		267
	SYSTEMS ENGINEERING ASSOCIATES	California	NAVY	RDTE/Other Research & Development-Basic Re		115
	TARTAN LABORATORIES INC	Penn	USAF	RDTE/Other Research & Development-Basic Re		628
	TASC	Mass	USAF	RDTE/Other Research & Development-Basic Re		1,487

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	TAU CORPORATION	California	ARMY	RDTE/Other Research & Development-Basic Re	$ 330
	TAYLOR J F INC	Maryland	USAF	RDTE/Other Research & Development-Basic Re	139
	TECHNICAL SOLUTIONS INC	New Mexico	ARMY	RDTE/Other Research & Development-Basic Re	36
	TECHNO SCIENCES INC	Maryland	ARMY	RDTE/Other Research & Development-Basic Re	306
			NAVY	RDTE/Other Research & Development-Basic Re	200
		STATE TOTAL			506
	TELESOFT	California	USAF	RDTE/Other Research & Development-Basic Re	512
	TETRA TECH INC	California	OCE	RDTE/Other Research & Development-Basic Re	97
	TEXAS A & M RESEARCH FDN	Texas	ARMY	RDTE/Other Research & Development-Basic Re	51
			OCE	RDTE/Other Research & Development-Basic Re	84
		STATE TOTAL			135
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Other Research & Development-Basic Re	715
	TEXAS RESEARCH INTERNATIONAL	Texas	ARMY	RDTE/Other Research & Development-Basic Re	58
			NAVY	RDTE/Other Research & Development-Basic Re	419
		STATE TOTAL			478
	THAR DESIGN INC	Penn	NAVY	RDTE/Other Research & Development-Basic Re	50
	THE NEW YORK BOTANICAL GARDEN	New York	OCE	RDTE/Other Research & Development-Basic Re	40
	THERMOTREX CORPORATION	California	NAVY	RDTE/Other Research & Development-Basic Re	1,270
	THURMAN W. GADDIE	Ohio	OCE	RDTE/Other Research & Development-Basic Re	80
	TRI TESSCO	Texas	NAVY	RDTE/Other Research & Development-Basic Re	228
	TROWER W PETER	Virginia	ARMY	RDTE/Other Research & Development-Basic Re	132
	TRUSTEES COLUMBIA UNIV	New York	ARMY	RDTE/Other Research & Development-Basic Re	650
	TRW INC	California	ARMY	RDTE/Other Research & Development-Basic Re	85
			NAVY	RDTE/Other Research & Development-Basic Re	9,250
		STATE TOTAL			9,335
		Virginia	ARMY	RDTE/Other Research & Development-Basic Re	1,058

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	CONTRACTOR TOTAL				$ 10,393
	ULTRAMET	California	NAVY	RDTE/Other Research & Development-Basic Re	50
	UNIQUE MOBILITY INC	Colorado	NAVY	RDTE/Other Research & Development-Basic Re	50
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/Other Research & Development-Basic Re	100
			NAVY	RDTE/Other Research & Development-Basic Re	26
			USAF	RDTE/Other Research & Development-Basic Re	154
		STATE TOTAL			279
		Florida	NAVY	RDTE/Other Research & Development-Basic Re	200
	CONTRACTOR TOTAL				479
	UNIV OF CONN FOUNDATION INC	Conn	ARMY	RDTE/Other Research & Development-Basic Re	95
	UNIV OF GA RESEARCH FOUNDATION	Georgia	OCE	RDTE/Other Research & Development-Basic Re	40
	UNIVERSITIES SPACE RES ASSN	Maryland	NAVY	RDTE/Other Research & Development-Basic Re	856
	UNIVERSITY NC AT CHAPEL HILL	N Carolina	OCE	RDTE/Other Research & Development-Basic Re	76
	UNIVERSITY OF ALA AT BRMNGHAM	Alabama	USAF	RDTE/Other Research & Development-Basic Re	45
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/Other Research & Development-Basic Re	528
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/Other Research & Development-Basic Re	903
	UNIVERSITY OF CAMBRIDGE	D.C.	NAVY	RDTE/Other Research & Development-Basic Re	30
	UNIVERSITY OF CENTRAL FLORIDA	Florida	ARMY	RDTE/Other Research & Development-Basic Re	460
			NAVY	RDTE/Other Research & Development-Basic Re	148
		STATE TOTAL			608
		New York	NAVY	RDTE/Other Research & Development-Basic Re	212
	CONTRACTOR TOTAL				819
	UNIVERSITY OF CINCINNATI	Mass	ARMY	RDTE/Other Research & Development-Basic Re	136
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/Other Research & Development-Basic Re	72
		Georgia	OCE	RDTE/Other Research & Development-Basic Re	178

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	CONTRACTOR TOTAL				$ 250
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Other Research & Development-Basic Re	60
	UNIVERSITY OF DELAWARE	Delaware	OCE	RDTE/Other Research & Development-Basic Re	52
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/Other Research & Development-Basic Re	217
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/Other Research & Development-Basic Re	512
			NAVY	RDTE/Other Research & Development-Basic Re	90
		STATE TOTAL			602
	UNIVERSITY OF IOWA THE	Iowa	NAVY	RDTE/Other Research & Development-Basic Re	121
	UNIVERSITY OF MARYLAND SYSTEM	Maryland	ARMY	RDTE/Other Research & Development-Basic Re	825
	UNIVERSITY OF MASSACHUSETTS	Mass	ARMY	RDTE/Other Research & Development-Basic Re	190
			OCE	RDTE/Other Research & Development-Basic Re	90
		STATE TOTAL			280
	UNIVERSITY OF MIAMI INC	Florida	ARMY	RDTE/Other Research & Development-Basic Re	80
			OCE	RDTE/Other Research & Development-Basic Re	37
		STATE TOTAL			117
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/Other Research & Development-Basic Re	1,306
			OCE	RDTE/Other Research & Development-Basic Re	34
		STATE TOTAL			1,340
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/Other Research & Development-Basic Re	5,530
			OCE	RDTE/Other Research & Development-Basic Re	30
		STATE TOTAL			5,560
	UNIVERSITY OF MISSISSIPPI	Miss	OCE	RDTE/Other Research & Development-Basic Re	199
	UNIVERSITY OF MISSOURI SYSTEM	Missouri	ARMY	RDTE/Other Research & Development-Basic Re	54
	UNIVERSITY OF NEVADA SYSTEM	Nevada	ARMY	RDTE/Other Research & Development-Basic Re	71
	UNIVERSITY OF NEW ORLEANS	Louisiana	ARMY	RDTE/Other Research & Development-Basic Re	36
	UNIVERSITY OF PENNSYLVANIA	Penn	ARMY	RDTE/Other Research & Development-Basic Re	2,236

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	UNIVERSITY OF PITTSBURGH	Penn	ARMY	RDTE/Other Research & Development-Basic Re	$	163
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/Other Research & Development-Basic Re		127
			NAVY	RDTE/Other Research & Development-Basic Re		350
			USAF	RDTE/Other Research & Development-Basic Re		114
		STATE TOTAL				590
	UNIVERSITY OF STHRN MISS	Miss	ARMY	RDTE/Other Research & Development-Basic Re		118
			OCE	RDTE/Other Research & Development-Basic Re		29
		STATE TOTAL				147
	UNIVERSITY OF TENNESSEE	Tennessee	ARMY	RDTE/Other Research & Development-Basic Re		1,268
	UNIVERSITY OF TEXAS ARLINGTON	Texas	OCE	RDTE/Other Research & Development-Basic Re		61
	UNIVERSITY OF TEXAS AT AUSTIN	Texas	ARMY	RDTE/Other Research & Development-Basic Re		487
	UNIVERSITY OF TEXAS AT DALLAS	Texas	NAVY	RDTE/Other Research & Development-Basic Re		50
	UNIVERSITY OF VIRGINIA	Virginia	ARMY	RDTE/Other Research & Development-Basic Re		51
	UNIVERSITY OF WASHINGTON	Washington	ARMY	RDTE/Other Research & Development-Basic Re		158
			OCE	RDTE/Other Research & Development-Basic Re		27
		STATE TOTAL				185
	UNIVERSITY OF WISCONSIN SYSTEM	Wisconsin	ARMY	RDTE/Other Research & Development-Basic Re		133
	UTAH STATE UNIVERSITY	Utah	OCE	RDTE/Other Research & Development-Basic Re		98
	VA INSTITUTE MARINE SCIENCE	Virginia	OCE	RDTE/Other Research & Development-Basic Re		131
	VANDERBILT UNIVERSITY THE	Tennessee	ARMY	RDTE/Other Research & Development-Basic Re		30
			OCE	RDTE/Other Research & Development-Basic Re		83
		STATE TOTAL				113
	VARIAN ASSOCIATES INC	California	NAVY	RDTE/Other Research & Development-Basic Re		284
	VECTOR RESEARCH COMPANY INC	Mass	NAVY	RDTE/Other Research & Development-Basic Re		50
	VENUE CORPORATION	California	ARMY	RDTE/Other Research & Development-Basic Re		47
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	ARMY	RDTE/Other Research & Development-Basic Re		80

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
			OCE	RDTE/Other Research & Development-Basic Re	$ 128
		STATE TOTAL			208
	VITTOR BARRY A & ASSOCIATES	Alabama	OCE	RDTE/Other Research & Development-Basic Re	764
		Georgia	OCE	RDTE/Other Research & Development-Basic Re	386
		S Carolina	OCE	RDTE/Other Research & Development-Basic Re	92
	CONTRACTOR TOTAL				1,242
	WAGNER DANIEL H ASSOCIATES	Virginia	ARMY	RDTE/Other Research & Development-Basic Re	50
			NAVY	RDTE/Other Research & Development-Basic Re	48
		STATE TOTAL			98
	WARE TECHNICAL SERVICES INC	Mass	ARMY	RDTE/Other Research & Development-Basic Re	49
	WAYNE STATE UNIVERSITY	Michigan	ARMY	RDTE/Other Research & Development-Basic Re	50
	WEST VIRGINIA RESEARCH CORP	W Virginia	OCE	RDTE/Other Research & Development-Basic Re	34
	WESTAT INC	Maryland	ARMY	RDTE/Other Research & Development-Basic Re	71
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/Other Research & Development-Basic Re	49
		Penn	ARMY	RDTE/Other Research & Development-Basic Re	100
			NAVY	RDTE/Other Research & Development-Basic Re	254
		STATE TOTAL			354
	CONTRACTOR TOTAL				404
	WICKERSHEIMER ENGINEERS	Illinois	ARMY	RDTE/Other Research & Development-Basic Re	109
	WIEGEL ROBERT	California	OCE	RDTE/Other Research & Development-Basic Re	28
	WOODS HOLE OCEANOGRAPHIC INST	Mass	ARMY	RDTE/Other Research & Development-Basic Re	71
	WRIGHT STATE UNIVERSITY	Ohio	OCE	RDTE/Other Research & Development-Basic Re	45
	XINOTECH RESEARCH INC	Minnesota	NAVY	RDTE/Other Research & Development-Basic Re	187
	ZYBRON INC	Ohio	USAF	RDTE/Other Research & Development-Basic Re	140
R&D TOTAL					222,357

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12	A T S S INC	California	ARMY	RDTE/Other Research & Development-Explor D	$	115
	ACCSYS TECHNOLOGY INC	California	NAVY	RDTE/Other Research & Development-Explor D		114
	ADCOM SYSTEMS INC	Mass	NAVY	RDTE/Other Research & Development-Explor D		60
	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/Other Research & Development-Explor D		100
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/Other Research & Development-Explor D		403
	ADVANCED FUEL RESEARCH INC	Conn	ARMY	RDTE/Other Research & Development-Explor D		134
	ADVANCED TECHNOLOGY MATERIALS	Conn	ARMY	RDTE/Other Research & Development-Explor D		325
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/Other Research & Development-Explor D		276
	ALL SOURCE PROCESSING INC	Kentucky	ARMY	RDTE/Other Research & Development-Explor D		1,723
		New Jersey	ARMY	RDTE/Other Research & Development-Explor D		41
	CONTRACTOR TOTAL					1,764
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Other Research & Development-Explor D		315
			NAVY	RDTE/Other Research & Development-Explor D		4,162
	STATE TOTAL					4,477
		Penn	NAVY	RDTE/Other Research & Development-Explor D		82
	CONTRACTOR TOTAL					4,559
	ALLIED SIGNAL INC	New Jersey	NAVY	RDTE/Other Research & Development-Explor D		64
	ALPHATECH INC	Mass	ARMY	RDTE/Other Research & Development-Explor D		349
	AMBER ENGINEERING INC	California	USAF	RDTE/Other Research & Development-Explor D		451
	AMCOMP CORPORATION	California	ARMY	RDTE/Other Research & Development-Explor D		77
	AMERICAN INST RSRCH BEHAV SCI	D.C.	USAF	RDTE/Other Research & Development-Explor D		86
	AMERICAN TELEPHONE & TELG CO	N Carolina	NAVY	RDTE/Other Research & Development-Explor D		200
	AMOCO CORPORATION	Georgia	NAVY	RDTE/Other Research & Development-Explor D		30
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/Other Research & Development-Explor D		95
	ANALYTIC SERVICES INC	Virginia	ARMY	RDTE/Other Research & Development-Explor D		92
	ANNAPOLIS RESEARCH & DEV	Texas	NAVY	RDTE/Other Research & Development-Explor D		200

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	ANRO ENGINEERING INC	Penn	NAVY	RDTE/Other Research & Development-Explor D	$ 52
	ASI SYSTEMS INTERNATIONAL	Florida	USAF	RDTE/Other Research & Development-Explor D	3,251
	ASTROPOWER INC	Delaware	USAF	RDTE/Other Research & Development-Explor D	50
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	NAVY	RDTE/Other Research & Development-Explor D	296
	AUBURN UNIVERSITY	Alabama	USAF	RDTE/Other Research & Development-Explor D	97
	AWARE INC	Mass	NAVY	RDTE/Other Research & Development-Explor D	231
	BALL CORPORATION	Colorado	NAVY	RDTE/Other Research & Development-Explor D	525
	BATTELLE MEMORIAL INSTITUTE	Ohio	NAVY	RDTE/Other Research & Development-Explor D	55
	BDM INTERNATIONAL INC	New Mexico	ARMY	RDTE/Other Research & Development-Explor D	100
		Oklahoma	ARMY	RDTE/Other Research & Development-Explor D	100
		Virginia	ARMY	RDTE/Other Research & Development-Explor D	2,387
	CONTRACTOR TOTAL				2,587
	BEI ELECTRONICS INC	Texas	ARMY	RDTE/Other Research & Development-Explor D	50
	BELL COMMUNICATIONS RESEARCH	New Jersey	USAF	RDTE/Other Research & Development-Explor D	472
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/Other Research & Development-Explor D	134
	BIGGER THAN LIFE INC	California	NAVY	RDTE/Other Research & Development-Explor D	236
	BLANCHARD & CO	Maryland	ARMY	RDTE/Other Research & Development-Explor D	200
	BOEING COMPANY THE	Penn	ARMY	RDTE/Other Research & Development-Explor D	137
		Texas	ARMY	RDTE/Other Research & Development-Explor D	6
	CONTRACTOR TOTAL				142
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/Other Research & Development-Explor D	900
			NAVY	RDTE/Other Research & Development-Explor D	136
		STATE TOTAL			1,036
	BOOZ ALLEN & HAMILTON INC	California	ARMY	RDTE/Other Research & Development-Explor D	62

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	CALIFORNIA RESEARCH & TECH	California	NAVY	RDTE/Other Research & Development-Explor D	$	193
	CARLOW ASSOCIATES INC	Virginia	ARMY	RDTE/Other Research & Development-Explor D		417
	CARNEGIE MELLON UNIVERSITY	Penn	ARMY	RDTE/Other Research & Development-Explor D		597
	CARTER ENVIRONMENTAL LAB	California	ARMY	RDTE 'Other Research & Development-Explor D		131-
	CFD RESEARCH CORPORATION	Alabama	ARMY	RDTE/Other Research & Development-Explor D		100
	CHEMGEN CORPORATION	Maryland	ARMY	RDTE/Other Research & Development-Explor D		50
	CHEMICAL DELIVERY SYSTEMS INC	Ohio	ARMY	RDTE/Other Research & Development-Explor D		54
	CHI SYSTEMS INC	Penn	ARMY	RDTE/Other Research & Development-Explor D		250
	CHOMERICS INC	Mass	ARMY	RDTE/Other Research & Development-Explor D		161
	CHROMEX, INC.	New Mexico	ARMY	RDTE/Other Research & Development-Explor D		50
	COLSA INC	Maryland	ARMY	RDTE/Other Research & Development-Explor D		2,075
	COMBUSTION PROP & BAL TECH COR	Penn	ARMY	RDTE/Other Research & Development-Explor D		30
	COMMONWEALTH TECHNOLOGY INC	Virginia	NAVY	RDTE/Other Research & Development-Explor D		300
	COMPUTER COMMAND AND CTRL CO	Penn	NAVY	RDTE/Other Research & Development-Explor D		119
	CONCEPTUAL SOFTWARE SYSTEMS	California	NAVY	RDTE/Other Research & Development-Explor D		50
	CREATIVE OPTICS INC	N.H.	ARMY	RDTE/Other Research & Development-Explor D		503
	CRYSTAL SYSTEMS INC	Mass	NAVY	RDTE/Other Research & Development-Explor D		100
	DAUBIN SYSTEMS CORPORATION	Florida	NAVY	RDTE/Other Research & Development-Explor D		250
	DAVID SARNOFF RESEARCH CENTER	New Jersey	ARMY	RDTE/Other Research & Development-Explor D		275
	DBA SYSTEMS INC	Florida	ARMY	RDTE/Other Research & Development-Explor D		527
	DCS CORPORATION	Virginia	NAVY	RDTE/Other Research & Development-Explor D		49
	DETROIT DIESEL CORP	Michigan	NAVY	RDTE/Other Research & Development-Explor D		1,578
	DIRECTED TECHNOLOGIES INC	Virginia	ARMY	RDTE/Other Research & Development-Explor D		260
			NAVY	RDTE/Other Research & Development-Explor D		71

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
		STATE TOTAL			$ 331
	DISPLAYTECH INC	Colorado	NAVY	RDTE/Other Research & Development-Explor D	196
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/Other Research & Development-Explor D	921
	E I C LABORATORY INC	Mass	ARMY	RDTE/Other Research & Development-Explor D	62
	EATON CORPORATION	New York	NAVY	RDTE/Other Research & Development-Explor D	60
			USAF	RDTE/Other Research & Development-Explor D	325
		STATE TOTAL			385
	ELECTRO-OPTEK CORPORATION	California	NAVY	RDTE/Other Research & Development-Explor D	50
	ENERGY COMPRESSION RES CORP	California	ARMY	RDTE/Other Research & Development-Explor D	200
	ENGINEERED AIR SYSTEMS INC	Missouri	ARMY	RDTE/Other Research & Development-Explor D	46
	ENSCO INC	Virginia	NAVY	RDTE/Other Research & Development-Explor D	1,359
	ENVIRONMENTAL TECHNOLOGIES GRO	Maryland	NAVY	RDTE/Other Research & Development-Explor D	160
	EXFLUOR RESEARCH CORPORATION	Texas	USAF	RDTE/Other Research & Development-Explor D	35
	FALON INC	California	NAVY	RDTE/Other Research & Development-Explor D	440
	FIBER MATERIALS INC	Maine	ARMY	RDTE/Other Research & Development-Explor D	709
		Nebraska	NAVY	RDTE/Other Research & Development-Explor D	66
	CONTRACTOR TOTAL				775
	FIBERCHEM INC	Nevada	ARMY	RDTE/Other Research & Development-Explor D	309
	FLAM & RUSSELL INC	Penn	NAVY	RDTE/Other Research & Development-Explor D	50
	FLORIDA A&M UNIVERSITY	Florida	ARMY	RDTE/Other Research & Development-Explor D	65
	FLOW RESEARCH INC	Washington	ARMY	RDTE/Other Research & Development-Explor D	240
	FOSTER MILLER INC	Mass	NAVY	RDTE/Other Research & Development-Explor D	471
	FUENTEZ SYSTEMS CONCEPTS INC	Virginia	NAVY	RDTE/Other Research & Development-Explor D	50
	GAMMA-METRICS	California	ARMY	RDTE/Other Research & Development-Explor D	2,395

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/Other Research & Development-Explor D	$	1,337
	GENERAL SCIETIFIC INSTRUMENTS	Michigan	NAVY	RDTE/Other Research & Development-Explor D		27
	GEO CENTERS INC	Mass	ARMY	RDTE/Other Research & Development-Explor D		1,386
	GEO-MICROBIAL TECHNOLOGIES	Oklahoma	ARMY	RDTE/Other Research & Development-Explor D		50
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/Other Research & Development-Explor D		158
	GOUGH PAUL ASSOCIATES INC	N.H.	ARMY	RDTE/Other Research & Development-Explor D		182
	GTE CALIFORNIA INC	California	NAVY	RDTE/Other Research & Development-Explor D		1,111
	GUILD ASSOCIATES INC	Ohio	ARMY	RDTE/Other Research & Development-Explor D		1,045
	HARRIS CORPORATION	Florida	USAF	RDTE/Other Research & Development-Explor D		483
	HARRIS GROUP THE INC	Virginia	USAF	RDTE/Other Research & Development-Explor D		110
	HERCULES INCORPORATED	Utah	NAVY	RDTE/Other Research & Development-Explor D		115
	HI TEST LABORATORIES	Virginia	NAVY	RDTE/Other Research & Development-Explor D		43
	HNC INC	Wisconsin	NAVY	RDTE/Other Research & Development-Explor D		50
	HSE INCORPORATED	Michigan	NAVY	RDTE/Other Research & Development-Explor D		50
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/Other Research & Development-Explor D		295
			NAVY	RDTE/Other Research & Development-Explor D		533
			USAF	RDTE/Other Research & Development-Explor D		622
		STATE TOTAL				1,450
	HUGHES DANBURY OPTICAL SYSTEMS	Conn	NAVY	RDTE/Other Research & Development-Explor D		2,477
	HUGHES STX CORPORATION	D.C.	NAVY	RDTE/Other Research & Development-Explor D		2,246
	I A P RESEARCH INC	Ohio	ARMY	RDTE/Other Research & Development-Explor D		200
	IABG	GERMANY	NAVY	RDTE/Other Research & Development-Explor D		182
	INDRA TECHNOLOGY INCORPORATED	California	NAVY	RDTE/Other Research & Development-Explor D		507
	INTELLIGENT LOGISTICS	N Dakota	NAVY	RDTE/Other Research & Development-Explor D		50
	INTELLIGENT TEXT PROCESSING	California	ARMY	RDTE/Other Research & Development-Explor D		250

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	INTERNATIONAL BUS MCHS CORP	New York	USAF	RDTE/Other Research & Development-Explor D	$	400
	INTERNATIONAL SENSOR TECH	Washington	NAVY	RDTE/Other Research & Development-Explor D		2,387
	IOWA STATE UNIVERSITY	Iowa	ARMY	RDTE/Other Research & Development-Explor D		314
	JAYCOR	California	NAVY	RDTE/Other Research & Development-Explor D		380
		Miss	USAF	RDTE/Other Research & Development-Explor D		180
	CONTRACTOR TOTAL					560
	JIREH SYSTEMS	Penn	NAVY	RDTE/Other Research & Development-Explor D		49
	K SYSTEMS INC	California	NAVY	RDTE/Other Research & Development-Explor D		330
	KAMAN AEROSPACE CORPORATION	Conn	ARMY	RDTE/Other Research & Development-Explor D		770
			NAVY	RDTE/Other Research & Development-Explor D		93
	STATE TOTAL					863
	KEO CONSULTANTS	Mass	USAF	RDTE/Other Research & Development-Explor D		93
	KLEIN ASSOCIATES INC	Ohio	ARMY	RDTE/Other Research & Development-Explor D		314
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/Other Research & Development-Explor D		122
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/Other Research & Development-Explor D		2,602
	LOCKHEED SANDERS INC	N.H.	USAF	RDTE/Other Research & Development-Explor D		80
	LORAL CORP	California	ARMY	RDTE/Other Research & Development-Explor D		200
		Virginia	ARMY	RDTE/Other Research & Development-Explor D		65
	CONTRACTOR TOTAL					265
	MACH I INC	Penn	ARMY	RDTE/Other Research & Development-Explor D		58
	MAINSTREAM ENGINEERING CORP	Florida	NAVY	RDTE/Other Research & Development-Explor D		44
	MARISYS INC	Florida	NAVY	RDTE/Other Research & Development-Explor D		49
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/Other Research & Development-Explor D		589
		Maryland	ARMY	RDTE/Other Research & Development-Explor D		213

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
			NAVY	RDTE/Other Research & Development-Explor D	$ 44
		STATE TOTAL			257
	CONTRACTOR TOTAL				846
	MATERIAL & ELECTROCHEMICAL RES	Arizona	ARMY	RDTE/Other Research & Development-Explor D	143
	MATERIALS SCIENCES CORP	Penn	NAVY	RDTE/Other Research & Development-Explor D	319
	MAYA DESIGN GROUP INC	Penn	ARMY	RDTE/Other Research & Development-Explor D	50
	MBR RESEARCH INC	New Jersey	ARMY	RDTE/Other Research & Development-Explor D	42
	MCDONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/Other Research & Development-Explor D	400
	MCDONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/Other Research & Development-Explor D	3,282
	MEASUREMENT TECHNOLOGY NW	Washington	ARMY	RDTE/Other Research & Development-Explor D	250
	MEI TECHNOLOGY CORPORATION	Mass	USAF	RDTE/Other Research & Development-Explor D	400
	METRATEK INC	Virginia	NAVY	RDTE/Other Research & Development-Explor D	481
	METRICA INC	Texas	USAF	RDTE/Other Research & Development-Explor D	1,090
	MICHIGAN STATE UNIVERSITY	Michigan	NAVY	RDTE/Other Research & Development-Explor D	50
	MICROLECTRONICS CMPT TECH CORP	Texas	ARMY	RDTE/Other Research & Development-Explor D	146
	MIKROS SYSTEMS CORPORATION	New Jersey	NAVY	RDTE/Other Research & Development-Explor D	1,738
	MILES RICHARD E	New York	NAVY	RDTE/Other Research & Development-Explor D	144
	MINE SAFETY APPLIANCES CO	Penn	ARMY	RDTE/Other Research & Development-Explor D	44
	MIRAGE SYSTEMS	California	NAVY	RDTE/Other Research & Development-Explor D	75
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/Other Research & Development-Explor D	40
		N.H.	USAF	RDTE/Other Research & Development-Explor D	750
		Virginia	NAVY	RDTE/Other Research & Development-Explor D	50
	CONTRACTOR TOTAL				840
	MITECH INC	Alabama	NAVY	RDTE/Other Research & Development-Explor D	497

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	MO SCI CORP	Missouri	ARMY	RDTE/Other Research & Development-Explor D	$	54
	MOIRESTRESS INC	New York	ARMY	RDTE/Other Research & Development-Explor D		46
	MULTISIGNAL TECHNOLOGY CORP	California	NAVY	RDTE/Other Research & Development-Explor D		49
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/Other Research & Development-Explor D		49
	NEILLEN TECHNOLOGIES CORP.	Maryland	ARMY	RDTE/Other Research & Development-Explor D		49
	NEW ENGLAND RESEARCH INC	Vermont	USAF	RDTE/Other Research & Development-Explor D		28
	NEW HORIZONS DIAGNOSTICS CORP	Maryland	ARMY	RDTE/Other Research & Development-Explor D		485
	NEW MEXICO INST OF MIN TCHNLGY	New Mexico	ARMY	RDTE/Other Research & Development-Explor D		158
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/Other Research & Development-Explor D		118
	NORTHROP CORPORATION	California	USAF	RDTE/Other Research & Development-Explor D		250
	NORTHWESTERN UNIVERSITY	Illinois	ARMY	RDTE/Other Research & Development-Explor D		48
	NUCLEAR & AEROSPACE MATERIALS	California	NAVY	RDTE/Other Research & Development-Explor D		493
	OLIN CORPORATION	Florida	ARMY	RDTE/Other Research & Development-Explor D		235
	ONTAR CORPORATION	Mass	NAVY	RDTE/Other Research & Development-Explor D		50
	OPERATIONAL TECHNOLOGIES CORP	Texas	USAF	RDTE/Other Research & Development-Explor D		544
	OPTIMETRICS INC	Maryland	ARMY	RDTE/Other Research & Development-Explor D		191
		Michigan	ARMY	RDTE/Other Research & Development-Explor D		675
		New Mexico	ARMY	RDTE/Other Research & Development-Explor D		810
	CONTRACTOR TOTAL					1,676
	OPTRA INC	Mass	ARMY	RDTE/Other Research & Development-Explor D		49
	OPTRON SYSTEMS INC	Mass	NAVY	RDTE/Other Research & Development-Explor D		50
	ORBITAL TECHNOLOGIES CORP	Wisconsin	ARMY	RDTE/Other Research & Development-Explor D		250
	OREGON STATE UNIVERSITY	Oregon	NAVY	RDTE/Other Research & Development-Explor D		80
	ORINCON CORPORATION	California	NAVY	RDTE/Other Research & Development-Explor D		5,889

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	P R B ASSOCIATES INC	Maryland	ARMY	RDTE/Other Research & Development-Explor D	$	47
	PENETRON INC	Kentucky	ARMY	RDTE/Other Research & Development-Explor D		158
	PERCEPTRONICS INC	California	ARMY	RDTE/Other Research & Development-Explor D		100
	PHASEX CORPORATION	Mass	ARMY	RDTE/Other Research & Development-Explor D		49
	PHOTO METRIC INC	Mass	USAF	RDTE/Other Research & Development-Explor D		770
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/Other Research & Development-Explor D		3,550
	PHYSICAL OPTICS CORPORATION	California	ARMY	RDTE/Other Research & Development-Explor D		49
			NAVY	RDTE/Other Research & Development-Explor D		99
		STATE TOTAL				149
	PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/Other Research & Development-Explor D		188
	POTOMAC RESEARCH INCORPORATED	Virginia	NAVY	RDTE/Other Research & Development-Explor D		90
	PRINCETON UNIVERSITY	New Jersey	NAVY	RDTE/Other Research & Development-Explor D		72
	Q DOT INC	Colorado	NAVY	RDTE/Other Research & Development-Explor D		499
	QUALITY DECISION MANAGEMENT	Mass	USAF	RDTE/Other Research & Development-Explor D		449
	QUANTUM MAGNETICS INC	California	ARMY	RDTE/Other Research & Development-Explor D		48
			NAVY	RDTE/Other Research & Development-Explor D		64
		STATE TOTAL				112
	RADEX INC	Mass	USAF	RDTE/Other Research & Development-Explor D		798
	RADIX SYSTEMS INC	Maryland	NAVY	RDTE/Other Research & Development-Explor D		100
	RALCON-APPLIED OPTICS	Utah	ARMY	RDTE/Other Research & Development-Explor D		100
	RESEARCH ASSOC SYRACUSE INC	New York	USAF	RDTE/Other Research & Development-Explor D		111
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/Other Research & Development-Explor D		169
	RESOURCE CONSULTANTS INC	Virginia	NAVY	RDTE/Other Research & Development-Explor D		883
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/Other Research & Development-Explor D		1,100
			USAF	RDTE/Other Research & Development-Explor D		300

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
		STATE TOTAL			$	1,400
		Iowa	NAVY	RDTE/Other Research & Development-Explor D		594
	CONTRACTOR TOTAL					1,994
	RUTGERS STATE UNIVERSITY OF NJ	New Jersey	ARMY	RDTE/Other Research & Development-Explor D		1,604
	RUTSTEIN ALEX & ASSOCIATES	Ohio	ARMY	RDTE/Other Research & Development-Explor D		275
	S-TRON	California	ARMY	RDTE/Other Research & Development-Explor D		530
	SAFT AMERICA INC	Maryland	NAVY	RDTE/Other Research & Development-Explor D		739
	SARCOS INC	Utah	ARMY	RDTE/Other Research & Development-Explor D		204
	SAVI TECHNOLOGY INC	California	ARMY	RDTE/Other Research & Development-Explor D		49
	SCHMITT LAYFIELD AND STEPRO	California	NAVY	RDTE/Other Research & Development-Explor D		52
	SCIENCE & TECHNOLOGY CORP	Virginia	ARMY	RDTE/Other Research & Development-Explor D		80
	SCIENCE APPLICATIONS INTL CORP	Arizona	ARMY	RDTE/Other Research & Development-Explor D		485
		California	ARMY	RDTE/Other Research & Development-Explor D		400
			NAVY	RDTE/Other Research & Development-Explor D		5,946
		STATE TOTAL				6,346
		Virginia	NAVY	RDTE/Other Research & Development-Explor D		362
	CONTRACTOR TOTAL					7,193
	SCIENCE RESEARCH LABORATORY	California	NAVY	RDTE/Other Research & Development-Explor D		500
		Mass	NAVY	RDTE/Other Research & Development-Explor D		2,234
	CONTRACTOR TOTAL					2,734
	SEMCOR INC	Penn	NAVY	RDTE/Other Research & Development-Explor D		138
	SENSCI CORP	Virginia	NAVY	RDTE/Other Research & Development-Explor D		335
	SIENNA RESEARCH, INC.	Arizona	ARMY	RDTE/Other Research & Development-Explor D		50
	SIGNAL ENGINEERING INC	California	NAVY	RDTE/Other Research & Development-Explor D		50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	SIPPICAN INC	Mass	NAVY	RDTE/Other Research & Development-Explor D	$	50
	SOCIETY OF AUTO ENGINEERS	Penn	ARMY	RDTE/Other Research & Development-Explor D		158
	SOCIOMETRICS INC	Maryland	ARMY	RDTE/Other Research & Development-Explor D		862
	SONOMA RESEARCH	California	ARMY	RDTE/Other Research & Development-Explor D		146
	SOUTH DAKOTA STATE OF	S Dakota	ARMY	RDTE/Other Research & Development-Explor D		28
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/Other Research & Development-Explor D		165
			NAVY	RDTE/Other Research & Development-Explor D		629
		STATE TOTAL				794
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/Other Research & Development-Explor D		300
	SPARTA INC	California	NAVY	RDTE/Other Research & Development-Explor D		570
	SRI INTERNATIONAL	California	ARMY	RDTE/Other Research & Development-Explor D		84
			NAVY	RDTE/Other Research & Development-Explor D		152
			USAF	RDTE/Other Research & Development-Explor D		250
		STATE TOTAL				486
	ST JOE MINERALS CORPORATION	Conn	NAVY	RDTE/Other Research & Development-Explor D		681
	STANFORD UNIVERSITY	California	ARMY	RDTE/Other Research & Development-Explor D		780
	STATCOM INC	Virginia	ARMY	RDTE/Other Research & Development-Explor D		134
	SUNDSTRAND CORPORATION	Illinois	NAVY	RDTE/Other Research & Development-Explor D		299
	SUNDSTRAND DATA CONTROL INC	Washington	USAF	RDTE/Other Research & Development-Explor D		453
	SYNETICS CORPORATION	Virginia	NAVY	RDTE/Other Research & Development-Explor D		49
	SYSTEMS RES APPLICATIONS CORP	Virginia	ARMY	RDTE/Other Research & Development-Explor D		229
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/Other Research & Development-Explor D		1,132
	TALLEY DEFENSE SYSTEMS INC	Arizona	ARMY	RDTE/Other Research & Development-Explor D		130
	TASC	Mass	USAF	RDTE/Other Research & Development-Explor D		125
	TECHNICAL & MGT SVCS CORP	Maryland	ARMY	RDTE/Other Research & Development-Explor D		634

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	TECHNICAL SOLUTIONS INC	New Mexico	ARMY	RDTE/Other Research & Development-Explor D	$	312
	TECHNOCHEM CO	N Carolina	NAVY	RDTE/Other Research & Development-Explor D		50
	TECOGEN INC	Mass	ARMY	RDTE/Other Research & Development-Explor D		69
	TELEDYNE INDUSTRIES INC	Maryland	ARMY	RDTE/Other Research & Development-Explor D		86
		Ohio	NAVY	RDTE/Other Research & Development-Explor D		140
	CONTRACTOR TOTAL					226
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Other Research & Development-Explor D		600
			USAF	RDTE/Other Research & Development-Explor D		275
	STATE TOTAL					875
	THERMEDICS INC	Mass	ARMY	RDTE/Other Research & Development-Explor D		871
	THIOKOL CORPORATION	Alabama	NAVY	RDTE/Other Research & Development-Explor D		72
		Maryland	ARMY	RDTE/Other Research & Development-Explor D		104
	CONTRACTOR TOTAL					176
	TIMM R E & ASSOCIATES INC	Illinois	ARMY	RDTE/Other Research & Development-Explor D		76
	TITAN CORPORATION	California	ARMY	RDTE/Other Research & Development-Explor D		149
	TORRINGTON COMPANY THE	Conn	ARMY	RDTE/Other Research & Development-Explor D		113
	TRANSDUCER RESEARCH INC	Illinois	ARMY	RDTE/Other Research & Development-Explor D		50
	TRUSTED INFORMATION SYSTEMS	Maryland	ARMY	RDTE/Other Research & Development-Explor D		69
	TRW INC	California	NAVY	RDTE/Other Research & Development-Explor D		700
			USAF	RDTE/Other Research & Development-Explor D		313
	STATE TOTAL					1,013
	TSI INCORPORATED	Minnesota	ARMY	RDTE/Other Research & Development-Explor D		923
	UES INC	Ohio	USAF	RDTE/Other Research & Development-Explor D		49
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/Other Research & Development-Explor D		1,265
	UNIV OF DISTRICT OF COLUMBIA	D.C.	ARMY	RDTE/Other Research & Development-Explor D		44

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	UNIVERSITY NC AT CHAPEL HILL	N Carolina	ARMY	RDTE/Other Research & Development-Explor D	$	840
	UNIVERSITY OF CINCINNATI	Ohio	USAF	RDTE/Other Research & Development-Explor D		136
	UNIVERSITY OF DAYTON	Ohio	USAF	RDTE/Other Research & Development-Explor D		736
	UNIVERSITY OF DAYTON INC	Ohio	ARMY	RDTE/Other Research & Development-Explor D		37
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/Other Research & Development-Explor D		30
	UNIVERSITY OF MARYLAND SYSTEM	Maryland	ARMY	RDTE/Other Research & Development-Explor D		80
			NAVY	RDTE/Other Research & Development-Explor D		70
		STATE TOTAL				150
	UNIVERSITY OF MASSACHUSETTS	Mass	ARMY	RDTE/Other Research & Development-Explor D		200
	UNIVERSITY OF MISSISSIPPI	Miss	NAVY	RDTE/Other Research & Development-Explor D		62
	UNIVERSITY OF NEVADA SYSTEM	Nevada	ARMY	RDTE/Other Research & Development-Explor D		405
	UNIVERSITY OF NEW HAMPSHIRE	N.H.	NAVY	RDTE/Other Research & Development-Explor D		176
	UNIVERSITY OF TENNESSEE	Tennessee	NAVY	RDTE/Other Research & Development-Explor D		38
	UNIVERSITY OF TEXAS AT AUSTIN	Texas	USAF	RDTE/Other Research & Development-Explor D		75
	UNIVERSITY OF WEST FLORIDA	Florida	USAF	RDTE/Other Research & Development-Explor D		216
	UTD INC	Virginia	USAF	RDTE/Other Research & Development-Explor D		162
	VECTOR RESEARCH COMPANY INC	Michigan	NAVY	RDTE/Other Research & Development-Explor D		1,538
	VENTURE PLASTICS, INC.	California	ARMY	RDTE/Other Research & Development-Explor D		100
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/Other Research & Development-Explor D		31
	VISTA RESEARCH	California	NAVY	RDTE/Other Research & Development-Explor D		75
	WENTWORTH INSTITUTE OF TECH	Mass	NAVY	RDTE/Other Research & Development-Explor D		180
	WESTERN INSTRUMENT CORPORATION	California	NAVY	RDTE/Other Research & Development-Explor D		1,678
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/Other Research & Development-Explor D		84
		Penn	USAF	RDTE/Other Research & Development-Explor D		50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	CONTRACTOR TOTAL				$ 134
	WORCESTER POLYTECHNIC INSTITUT	Mass	ARMY	RDTE/Other Research & Development-Explor D	87
	WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/Other Research & Development-Explor D	125
	WYLE LABORATORIES	California	USAF	RDTE/Other R search & Development-Explor D	57
	YARDNEY TECHNICAL PRODUCTS	Conn	NAVY	RDTE/Other Research & Development-Explor D	294
	R&D TOTAL				124,985
AZ13	4 CYCLE ENGINE	Washington	USAF	RDTE/Other Research & Development-Advanced	50
	A A I CORPORATION	Maryland	ARMY	RDTE/Other Research & Development-Advanced	3,529
	ADVANCED ENERGY	California	USAF	RDTE/Other Research & Development-Advanced	50
	AERO OPTICS INC	California	USAF	RDTE/Other Research & Development-Advanced	77
	ALLIANT TECHSYSTEMS INC	Minnesota	NAVY	RDTE/Other Research & Development-Advanced	66-
	AMERICAN TELEPHONE & TELG CO	New Jersey	USAF	RDTE/Other Research & Development-Advanced	2
	AMPTEK INC	Mass	USAF	RDTE/Other Research & Development-Advanced	145
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/Other Research & Development-Advanced	237
	AUTOMATION MANAGEMENT CONS	Maryland	NAVY	RDTE/Other Research & Development-Advanced	26
	AVCO CORPORATION	Conn	ARMY	RDTE/Other Research & Development-Advanced	44
	B K DYNAMICS INC	Maryland	NAVY	RDTE/Other Research & Development-Advanced	897
	BABCOCK & WILCOX COMPANY THE	Ohio	NAVY	RDTE/Other Research & Development-Advanced	745
	BAKER WILFRED ENGINEERING	Texas	USAF	RDTE/Other Research & Development-Advanced	109
	BALL CORPORATION	California	USAF	RDTE/Other Research & Development-Advanced	1,248
	BAND LAVIS & ASSOCIATES INC	Maryland	ARMY	RDTE/Other Research & Development-Advanced	800
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/Other Research & Development-Advanced	492
	BDM INTERNATIONAL INC	Virginia	USAF	RDTE/Other Research & Development-Advanced	1,821
	BDM MANAGEMENT SERVICES CO	Virginia	USAF	RDTE/Other Research & Development-Advanced	130

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ13 (CONTINUED)						
	BOLT BERANEK & NEWMAN INC	Mass	USAF	RDTE/Other Research & Development-Advanced	$	417
	C V D INCORPORATED	Mass	USAF	RDTE/Other Research & Development-Advanced		475
	CALIFORNIA RESEARCH & TECH	New Jersey	ARMY	RDTE/Other Research & Development-Advanced		230
	CALSPAN CORPORATION	New York	USAF	RDTE/Other Research & Development-Advanced		192
	CANADIAN COMMERCIAL CORPORATI	CANADA	ARMY	RDTE/Other Research & Development-Advanced		200
	CARNEGIE MELLON UNIVERSITY	Penn	USAF	RDTE/Other Research & Development-Advanced		35,310
	DUKE UNIVERSITY	N Carolina	USAF	RDTE/Other Research & Development-Advanced		141
	DYNAMET TECHNOLOGY INC	Mass	ARMY	RDTE/Other Research & Development-Advanced		171
	EAGLE PICHER INDUSTRIES INC	Texas	USAF	RDTE/Other Research & Development-Advanced		840
	ELECTRO ENERGY	Conn	USAF	RDTE/Other Research & Development-Advanced		50
	ELECTRONIC COMPONENT SALES	Maryland	NAVY	RDTE/Other Research & Development-Advanced		2,341
	FIBER MATERIALS INC	Maine	ARMY	RDTE/Other Research & Development-Advanced		160
	FOSTER MILLER INC	Mass	USAF	RDTE/Other Research & Development-Advanced		59
	FROST ENGINEERING DEVELOPMENT	Colorado	USAF	RDTE/Other Research & Development-Advanced		403
	G E COMPANY	New York	USAF	RDTE/Other Research & Development-Advanced		560
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/Other Research & Development-Advanced		126
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/Other Research & Development-Advanced		45
		New York	NAVY	RDTE/Other Research & Development-Advanced		300
		Ohio	USAF	RDTE/Other Research & Development-Advanced		82
	CONTRACTOR TOTAL					427
	GEORGIA TECH RESEARCH CORP	Georgia	NAVY	RDTE/Other Research & Development-Advanced		421
	GINER INC	Mass	USAF	RDTE/Other Research & Development-Advanced		54
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/Other Research & Development-Advanced		21,914
	I A P RESEARCH INC	Ohio	NAVY	RDTE/Other Research & Development-Advanced		54

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ13 (CONTINUED)						
	ISOTHERMAL SYSTEMS RESEARCH	Washington	USAF	RDTE/Other Research & Development-Advanced	$	95
	ITT CORPORATION	New Jersey	USAF	RDTE/Other Research & Development-Advanced		59
	JET PROCESS CORPORATION	Conn	NAVY	RDTE/Other Research & Development-Advanced		50
	KAMAN AEROSPACE CORPORATION	Conn	ARMY	RDTE/Other Research & Development-Advanced		55
	LOCKHEED AERONAUTICAL SYS CO	Georgia	USAF	RDTE/Other Research & Development-Advanced		75
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/Other Research & Development-Advanced		735
			USAF	RDTE/Other Research & Development-Advanced		390
		STATE TOTAL				1,125
	LOGICON INC	California	ARMY	RDTE/Other Research & Development-Advanced		40
	MARDON INC	California	USAF	RDTE/Other Research & Development-Advanced		30
	MARTIN MARIETTA CORPORATION	California	USAF	RDTE/Other Research & Development-Advanced		150
		Colorado	USAF	RDTE/Other Research & Development-Advanced		685
		Florida	ARMY	RDTE/Other Research & Development-Advanced		326
			USAF	RDTE/Other Research & Development-Advanced		990
		STATE TOTAL				1,316
	CONTRACTOR TOTAL					2,151
	MASSACHUSETTS INST OF TCHNOLOG	Mass	USAF	RDTE/Other Research & Development-Advanced		373,805
	MCA ENGINEERS INC	California	NAVY	RDTE/Other Research & Development-Advanced		117
	MCDONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/Other Research & Development-Advanced		66
	MISSION RESEARCH CORPORATION	California	NAVY	RDTE/Other Research & Development-Advanced		147
	MOTOROLA INC	Arizona	ARMY	RDTE/Other Research & Development-Advanced		348
	NEOCERA INC	New Jersey	USAF	RDTE/Other Research & Development-Advanced		200
	NEW LIGHT INDUSTRIES	Washington	USAF	RDTE/Other Research & Development-Advanced		68
	NEW MEXICO INST OF MIN TCHNLGY	New Mexico	ARMY	RDTE/Other Research & Development-Advanced		26-
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/Other Research & Development-Advanced		170

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ13 (CONTINUED)						
	NORTHROP CORPORATION	California	USAF	RDTE/Other Research & Development-Advanced	$	50
	O A O CORPORATION	Maryland	NAVY	RDTE/Other Research & Development-Advanced		234
	OLIN CORPORATION	Tennessee	ARMY	RDTE/Other Research & Development-Advanced		2,762
	ORINCON CORPORATION	California	NAVY	RDTE/Other Research & Development-Advanced		253
	PARKER DRILLING COMPANY	Florida	USAF	RDTE/Other Research & Development-Advanced		849
	PATHFINDER SYSTEMS INC	Colorado	NAVY	RDTE/Other Research & Development-Advanced		637
	PDI CORP	Maryland	NAVY	RDTE/Other Research & Development-Advanced		100
	PHYSICAL OPTICS CORPORATION	California	NAVY	RDTE/Other Research & Development-Advanced		70
	PULSE INSTRUMENTS	California	USAF	RDTE/Other Research & Development-Advanced		164
	RADEX INC	Mass	USAF	RDTE/Other Research & Development-Advanced		395
	RASOR ASSOCIATES INC	California	USAF	RDTE/Other Research & Development-Advanced		295
	RENSSELAER POLYTECHNIC INST	New York	ARMY	RDTE/Other Research & Development-Advanced		90
			USAF	RDTE/Other Research & Development-Advanced		500
		STATE TOTAL				590
	RESEARCH SCIENCES INCORPORATED	Mass	USAF	RDTE/Other Research & Development-Advanced		282
	RGI INC	California	NAVY	RDTE/Other Research & Development-Advanced		849
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/Other Research & Development-Advanced		1,085
	ROCKWELL POWER SYSTEMS	New Mexico	USAF	RDTE/Other Research & Development-Advanced		320
	S F A INC	D.C.	NAVY	RDTE/Other Research & Development-Advanced		371
	S T SYSTEMS CORPORATION	D.C.	USAF	RDTE/Other Research & Development-Advanced		215
	SCIENCE RESEARCH LABORATORY	Mass	NAVY	RDTE/Other Research & Development-Advanced		45
	SPACE EXPLORATION ASSOCIATES	Ohio	USAF	RDTE/Other Research & Development-Advanced		74
	SRI INTERNATIONAL	California	USAF	RDTE/Other Research & Development-Advanced		1,543
	SYSTEMS ENGINEERING ASSOCIATES	California	NAVY	RDTE/Other Research & Development-Advanced		950

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ13 (CONTINUED)						
	TASC	Florida	USAF	RDTE/Other Research & Development-Advanced	$	424
	TECHNICAL COMMUNICATIONS CORP	Mass	NAVY	RDTE/Other Research & Development-Advanced		267
	TECHNLOGY ASSSSMENT TRANSF INC	Maryland	USAF	RDTE/Other Research & Development-Advanced		77
	TELEDYNE INDUSTRIES INC	Alabama	USAF	RDTE/Other Research & Development-Advanced		120
	THERMACORE INC	Penn	USAF	RDTE/Other Research & Development-Advanced		69
	TORANAGA TECHNOLOGIES	California	USAF	RDTE/Other Research & Development-Advanced		49
	ULTRAMET	California	USAF	RDTE/Other Research & Development-Advanced		40
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/Other Research & Development-Advanced		825
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/Other Research & Development-Advanced		621
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/Other Research & Development-Advanced		35
	UNIVERSITY OF PITTSBURGH	Penn	USAF	RDTE/Other Research & Development-Advanced		633
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/Other Research & Development-Advanced		768
	UNIVERSITY OF UTAH	Utah	ARMY	RDTE/Other Research & Development-Advanced		100
	VISIDYNE INC	Mass	USAF	RDTE/Other Research & Development-Advanced		2,451
	WINDROCK ASSOCIATES	Tennessee	ARMY	RDTE/Other Research & Development-Advanced		194
R&D TOTAL						472,261
AZ14	AETECH INC	California	USAF	RDTE/Other Research & Development-Engr Dev		50
	ALLIANT TECHSYSTEMS INC	Minnesota	ARMY	RDTE/Other Research & Development-Engr Dev		1,697
	ARINC RESEARCH CORPORATION	Maryland	NAVY	RDTE/Other Research & Development-Engr Dev		889
	BABINGTON ENGINEERING	Virginia	ARMY	RDTE/Other Research & Development-Engr Dev		189
	BDM INTERNATIONAL INC	California	USAF	RDTE/Other Research & Development-Engr Dev		622
	BLUE CHIP COMPUTERS CO THE	Ohio	USAF	RDTE/Other Research & Development-Engr Dev		661
	BOEING COMPANY THE	Washington	USAF	RDTE/Other Research & Development-Engr Dev		235-
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/Other Research & Development-Engr Dev		5,097

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ14 (CONTINUED)						
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	ARMY	RDTE/Other Research & Development-Engr Dev	$	30
	COLEMAN RESEARCH CORPORATION	Florida	NAVY	RDTE/Other Research & Development-Engr Dev		4,122
	CTA INCORPORATED	Colorado	USAF	RDTE/Other Research & Development-Engr Dev		1,266
		Ohio	USAF	RDTE/Other Research & Development-Engr Dev		27
	CONTRACTOR TOTAL					1,293
	CYBERNET SYSTEMS CORP	Michigan	ARMY	RDTE/Other Research & Development-Engr Dev		246
	E M L RESEARCH	Mass	USAF	RDTE/Other Research & Development-Engr Dev		245
	ELECTRONIC WARFARE ASSOCIATES	W Virginia	NAVY	RDTE/Other Research & Development-Engr Dev		1,690
	ELECTROSPACE SYSTEMS INC	Virginia	ARMY	RDTE/Other Research & Development-Engr Dev		1,720
	ENVIRNMENTAL RES INST OF MICH	Michigan	USAF	RDTE/Other Research & Development-Engr Dev		601
	ETA TECHNOLOGIES CORPORATION	California	NAVY	RDTE/Other Research & Development-Engr Dev		1,850-
	GENERAL ANALYTICS INC	Georgia	NAVY	RDTE/Other Research & Development-Engr Dev		51
	HARRIS CORPORATION	Florida	ARMY	RDTE/Other Research & Development-Engr Dev		10,629
	HILTON SYSTEMS INC	Alabama	NAVY	RDTE/Other Research & Development-Engr Dev		640
		Miss	NAVY	RDTE/Other Research & Development-Engr Dev		950
	CONTRACTOR TOTAL					1,590
	INTEGRATED SYSTEMS ANALYSTS	California	NAVY	RDTE/Other Research & Development-Engr Dev		731
	INTERMETRICS INC	Penn	NAVY	RDTE/Other Research & Development-Engr Dev		30
	INTERNATIONAL SOFTWARE SYSTEMS	Texas	ARMY	RDTE/Other Research & Development-Engr Dev		50
	JAMES HAYES AND ASSOCIATES	California	USAF	RDTE/Other Research & Development-Engr Dev		49
	LITTLE ARTHUR D INC	Mass	USAF	RDTE/Other Research & Development-Engr Dev		3,693
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/Other Research & Development-Engr Dev		194-
		Georgia	NAVY	RDTE/Other Research & Development-Engr Dev		58-
		Utah	NAVY	RDTE/Other Research & Development-Engr Dev		84-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ14 (CONTINUED)					
	CONTRACTOR TOTAL				$ 336-
	MERCER UNIVERSITY	Georgia	USAF	RDTE/Other Research & Development-Engr Dev	30
	MICHIGAN TECHNOLOGICAL UNIV	Michigan	ARMY	RDTE/Other Research & Development-Engr Dev	175
	MICROTURBO NORTH AMERICA INC	Texas	ARMY	RDTE/Other Research & Development-Engr Dev	1,470
	MIKROS SYSTEMS CORPORATION	New Jersey	NAVY	RDTE/Other Research & Development-Engr Dev	266
	MITRE CORPORATION	Mass	USAF	RDTE/Other Research & Development-Engr Dev	238,172
	PRAGMATICS INC	Virginia	ARMY	RDTE/Other Research & Development-Engr Dev	222
	PRINCETON SCIENTIFIC INSTRS	Maryland	ARMY	RDTE/Other Research & Development-Engr Dev	56
	RESOURCE CONSULTANTS INC	California	NAVY	RDTE/Other Research & Development-Engr Dev	192
	RF MICROSYSTEMS INC	California	NAVY	RDTE/Other Research & Development-Engr Dev	799
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/Other Research & Development-Engr Dev	3,293
		New Mexico	ARMY	RDTE/Other Research & Development-Engr Dev	12,648
		Virginia	ARMY	RDTE/Other Research & Development-Engr Dev	7,163
	CONTRACTOR TOTAL				23,104
	SETA CORP	Virginia	ARMY	RDTE/Other Research & Development-Engr Dev	2,267
	SIMTEC INC	Virginia	USAF	RDTE/Other Research & Development-Engr Dev	128
	SONALYSTS INC	Conn	NAVY	RDTE/Other Research & Development-Engr Dev	50
	SOUTHWEST RESEARCH INSTITUTE	Texas	USAF	RDTE/Other Research & Development-Engr Dev	280
	TASC	Florida	USAF	RDTE/Other Research & Development-Engr Dev	2,609
	TELEMARC INCORPORATED	Virginia	ARMY	RDTE/Other Research & Development-Engr Dev	831
	TEXAS A & M UNIV SYS THE	Texas	NAVY	RDTE/Other Research & Development-Engr Dev	50
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/Other Research & Development-Engr Dev	602
	TRIDENT SYSTEMS INC	Virginia	ARMY	RDTE/Other Research & Development-Engr Dev	50
	UNIVERSITY OF VIRGINIA	Virginia	ARMY	RDTE/Other Research & Development-Engr Dev	997

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ14 (CONTINUED)						
	VIASAT INC	Maryland	ARMY	RDTE/Other Research & Development-Engr Dev	$	50
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/Other Research & Development-Engr Dev		61,323
	YAMADA SCIENCE & ART CORP	New Mexico	USAF	RDTE/Other Research & Development-Engr Dev		449
R&D TOTAL						367,725
AZ15	AGE LIGHT INC	Florida	USAF	RDTE/Other Research & Development-Op Sys D		169
	AMTEC CORPORATION	Alabama	ARMY	RDTE/Other Research & Development-Op Sys D		2,976
	AUTOMATION MANAGEMENT CONS	Maryland	NAVY	RDTE/Other Research & Development-Op Sys D		91
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/Other Research & Development-Op Sys D		149
	BETAC CORPORATION	Virginia	ARMY	RDTE/Other Research & Development-Op Sys D		1,471
	BOOZ ALLEN & HAMILTON INC	Virginia	ARMY	RDTE/Other Research & Development-Op Sys D		131
	COMPATIBLE MICRO SOLUTIONS	New Mexico	ARMY	RDTE/Other Research & Development-Op Sys D		100
	CORNELL UNIVERSITY	New York	ARMY	RDTE/Other Research & Development-Op Sys D		224
	DELEX SYSTEMS INCORPORATED	Virginia	USAF	RDTE/Other Research & Development-Op Sys D		100
	ETA TECHNOLOGIES CORPORATION	California	NAVY	RDTE/Other Research & Development-Op Sys D		1,693
	FEMME COMP INC	Virginia	ARMY	RDTE/Other Research & Development-Op Sys D		533
	FENNELL TIMOTHY D & COMPANY	D.C.	ARMY	RDTE/Other Research & Development-Op Sys D		67
	GEORGE MASON UNIVERSITY	Virginia	ARMY	RDTE/Other Research & Development-Op Sys D		538
	HARDIGG INDUSTRIES INC	Mass	ARMY	RDTE/Other Research & Development-Op Sys D		162
	HARRIS CORPORATION	Florida	ARMY	RDTE/Other Research & Development-Op Sys D		4,018
	HARRIS GROUP THE INC	Virginia	ARMY	RDTE/Other Research & Development-Op Sys D		349
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/Other Research & Development-Op Sys D		51,362
	INSTITUTE FOR DEF ANALYSES	Virginia	ARMY	RDTE/Other Research & Development-Op Sys D		60
	INSTRUCTIONAL SCIENCE & DEV	California	NAVY	RDTE/Other Research & Development-Op Sys D		266
	KAPPLER SAFETY GROUP INC	Alabama	NAVY	RDTE/Other Research & Development-Op Sys D		57

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ15 (CONTINUED)						
	LOCKHEED ENGINEERING & SCIENCE	New Mexico	ARMY	RDTE/Other Research & Development-Op Sys D	$	450
	LOCKHEED SANDERS INC	New Mexico	ARMY	RDTE/Other Research & Development-Op Sys D		1,659-
	LOGISTICS MANAGEMENT INSTITUTE	Maryland	ARMY	RDTE/Other Research & Developmen.-Op Sys D		29,524
	MAGNAVOX GOVT & INDSTRL ELCTR	New Jersey	ARMY	RDTE/Other Research & Development-Op Sys D		102
	NATION'L BUREAU OF ASIAN RESEA	Washington	ARMY	RDTE/Other Research & Development-Op Sys D		64
	ONTAR CORPORATION	Mass	USAF	RDTE/Other Research & Development-Op Sys D		120
	OPTIMETRICS INC	Michigan	ARMY	RDTE/Other Research & Development-Op Sys D		95
	ORION INTERNATIONAL TECH	New Mexico	ARMY	RDTE/Other Research & Development-Op Sys D		4,751
	PAR TECHNOLOGY CORPORATION	D.C.	ARMY	RDTE/Other Research & Development-Op Sys D		82
	PARKER DRILLING COMPANY	Florida	USAF	RDTE/Other Research & Development-Op Sys D		300
	PRESEARCH INCORPORATED	Florida	NAVY	RDTE/Other Research & Development-Op Sys D		150
	RESOURCE CONSULTANTS INC	California	NAVY	RDTE/Other Research & Development-Op Sys D		960
	RONA THOMAS P	Maryland	ARMY	RDTE/Other Research & Development-Op Sys D		67
	S T SYSTEMS CORPORATION	D.C.	USAF	RDTE/Other Research & Development-Op Sys D		75
	SCIENCE APPLICATIONS INTL CORP	Virginia	ARMY	RDTE/Other Research & Development-Op Sys D		4,555
	SPARTA INC	California	ARMY	RDTE/Other Research & Development-Op Sys D		889
			NAVY	RDTE/Other Research & Development-Op Sys D		352
		STATE TOTAL				1,241
	SRI INTERNATIONAL	California	ARMY	RDTE/Other Research & Development-Op Sys D		204
	SURVICE ENGINEERING CO INC	Maryland	ARMY	RDTE/Other Research & Development-Op Sys D		785
	U S SPRINT CMMNCTONS LTD PRTNR	Virginia	ARMY	RDTE/Other Research & Development-Op Sys D		893
	UNITED TECH OPT SYSTEMS	Florida	ARMY	RDTE/Other Research & Development-Op Sys D		106
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/Other Research & Development-Op Sys D		267
		Florida	ARMY	RDTE/Other Research & Development-Op Sys D		72

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ15 (CONTINUED)					
	CONTRACTOR TOTAL				$ 340
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/Other Research & Development-Op Sys D	280
			NAVY	RDTE/Other Research & Development-Op Sys D	2,288
		STATE TOTAL			2,568
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/Other Research & Development-Op Sys D	8,010
	UNIVERSITY OF TEXAS EL PASO	Texas	ARMY	RDTE/Other Research & Development-Op Sys D	132
	UNIVERSITY OF VERMONT	Vermont	ARMY	RDTE/Other Research & Development-Op Sys D	161
	VEXCEL CORPORATION	Colorado	ARMY	RDTE/Other Research & Development-Op Sys D	294
R&D TOTAL					118,882
AZ16	A3 CORPORATION	Virginia	ARMY	RDTE/Other Research & Development-Mgmt & S	158
	ABCOM SYSTEMS TECHNOLOGY	Mass	USAF	RDTE/Other Research & Development-Mgmt & S	54
	ADVANCED FUEL RESEARCH INC	Conn	USAF	RDTE/Other Research & Development-Mgmt & S	55
	ADVANCED OPTICAL SYSTEMS INC	Alabama	NAVY	RDTE/Other Research & Development-Mgmt & S	50
	AERODYNE RESEARCH INC	Mass	ARMY	RDTE/Other Research & Development-Mgmt & S	358
	AETECH INC	California	USAF	RDTE/Other Research & Development-Mgmt & S	49
	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/Other Research & Development-Mgmt & S	345
	ALPHATECH INC	Mass	NAVY	RDTE/Other Research & Development-Mgmt & S	51
	ALPINE WEST LABORATORIES INC	Utah	ARMY	RDTE/Other Research & Development-Mgmt & S	110
	AMHERST SYSTEMS INC	New York	USAF	RDTE/Other Research & Development-Mgmt & S	48
	AMTEC CORPORATION	Alabama	ARMY	RDTE/Other Research & Development-Mgmt & S	868
	ANALYTICAL SOFTWARE INC	Georgia	ARMY	RDTE/Other Research & Development-Mgmt & S	217
	APPLIED MATHEMATICS INC	Conn	NAVY	RDTE/Other Research & Development-Mgmt & S	56
	APPLIED SCIENCES INC	Ohio	ARMY	RDTE/Other Research & Development-Mgmt & S	50
	ARTIFICIAL INTELLIGENCE CORP	Georgia	ARMY	RDTE/Other Research & Development-Mgmt & S	79

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	AURORA ASSOCIATES	California	ARMY	RDTE/Other Research & Development-Mgmt & S	$ 100
	AURORA OPTICS INC	Penn	ARMY	RDTE/Other Research & Development-Mgmt & S	395
	BONNEVILLE SCIENTIFIC INC	Utah	USAF	RDTE/Other Research & Development-Mgmt & S	249
	BOWIE STATE COLLEGE	Maryland	ARMY	RDTE/Other Research & Development-Mgmt & S	52
	BRIMROSE CORP OF AMERICA	Maryland	NAVY	RDTE/Other Research & Development-Mgmt & S	201
	BURGE AND ASSOCIATES	Arizona	USAF	RDTE/Other Research & Development-Mgmt & S	260
	CALSPAN CORPORATION	New York	ARMY	RDTE/Other Research & Development-Mgmt & S	254
		Tennessee	USAF	RDTE/Other Research & Development-Mgmt & S	49,433
	CONTRACTOR TOTAL				49,686
	CAPE COD RESEARCH INC	Mass	NAVY	RDTE/Other Research & Development-Mgmt & S	55
	CENTER FOR STRATEGIC STUDY	D.C.	ARMY	RDTE/Other Research & Development-Mgmt & S	39
	CERACON INC	California	ARMY	RDTE/Other Research & Development-Mgmt & S	50
	CFD RESEARCH CORPORATION	Alabama	ARMY	RDTE/Other Research & Development-Mgmt & S	250
	CHARGED INJECTION CORPORATION	New Jersey	ARMY	RDTE/Other Research & Development-Mgmt & S	50
	CHI SYSTEMS INC	Penn	NAVY	RDTE/Other Research & Development-Mgmt & S	51
	CLARK ATLANTA UNIVERSITY INC	Georgia	ARMY	RDTE/Other Research & Development-Mgmt & S	28
	CLEVELAND CRYSTALS INC	Ohio	USAF	RDTE/Other Research & Development-Mgmt & S	61
	COLUMBIA RESEARCH INSTRUMENTS	New Mexico	ARMY	RDTE/Other Research & Development-Mgmt & S	206
	COMPUTER SCIENCES CORPORATION	Virginia	ARMY	RDTE/Other Research & Development-Mgmt & S	126
	CONCEPTUAL MINDWORKS INC	Domestic	USAF	RDTE/Other Research & Development-Mgmt & S	47
	CREARE INC	N.H.	USAF	RDTE/Other Research & Development-Mgmt & S	197
	CRYSTALLUME	California	USAF	RDTE/Other Research & Development-Mgmt & S	70
	D M E CORP	Florida	USAF	RDTE/Other Research & Development-Mgmt & S	73
	DCS CORPORATION	Virginia	ARMY	RDTE/Other Research & Development-Mgmt & S	50

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ16 (CONTINUED)						
	DEACON RESEARCH	California	USAF	RDTE/Other Research & Development-Mgmt & S	$	50
	DELEX SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/Other Research & Development-Mgmt & S		423
	DELTA INFORMATION SYSTEMS	Penn	ARMY	RDTE/Other Research & Development-Mgmt & S		418
	EAI CORPORATION	Maryland	ARMY	RDTE/Other Research & Development-Mgmt & S		266
	ELECTROIMPACT INC	Washington	ARMY	RDTE/Other Research & Development-Mgmt & S		270
	ENVIRONMENTAL SYSTEMS RES INST	California	ARMY	RDTE/Other Research & Development-Mgmt & S		3,467
	ESSEX CORPORATION	Florida	USAF	RDTE/Other Research & Development-Mgmt & S		50
	EXPERSOFT	California	USAF	RDTE/Other Research & Development-Mgmt & S		60
	FED CORPORATION	N Carolina	USAF	RDTE/Other Research & Development-Mgmt & S		53
	FOSTER MILLER INC	Mass	ARMY	RDTE/Other Research & Development-Mgmt & S		284
			USAF	RDTE/Other Research & Development-Mgmt & S		382
		STATE TOTAL				666
	GENERAL ELECTRIC COMPANY	New Jersey	NAVY	RDTE/Other Research & Development-Mgmt & S		2,351
	GENTEX CORPORATION	Penn	ARMY	RDTE/Other Research & Development-Mgmt & S		1,253
	GEOMET INC	Maryland	ARMY	RDTE/Other Research & Development-Mgmt & S		199
	GLOBAL INFO SYSTEMS TECHNOLOGY	Domestic	USAF	RDTE/Other Research & Development-Mgmt & S		50
	HNC INC	California	USAF	RDTE/Other Research & Development-Mgmt & S		250
	HONTEK CORPORATION	Conn	ARMY	RDTE/Other Research & Development-Mgmt & S		51
	HOWARD UNIVERSITY	D.C.	ARMY	RDTE/Other Research & Development-Mgmt & S		33
	HUGHES AIRCRAFT COMPANY	Arizona	NAVY	RDTE/Other Research & Development-Mgmt & S		73
		California	ARMY	RDTE/Other Research & Development-Mgmt & S		942
			USAF	RDTE/Other Research & Development-Mgmt & S		1,649
		STATE TOTAL				2,592
	CONTRACTOR TOTAL					2,665
	I-NET INC	Maryland	ARMY	RDTE/Other Research & Development-Mgmt & S		98

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION		
AZ16 (CONTINUED)						
	INFORMTION SYSTEMS NTWRKS CORP	Georgia	ARMY	RDTE/Other Research & Development-Mgmt & S	$	79
		Maryland	ARMY	RDTE/Other Research & Development-Mgmt & S		79
	CONTRACTOR TOTAL					158
	INNCFATIVE RESEARCH INC	Colorado	NAVY	RDTE/Other Research & Development-Mgmt & S		52
		Georgia	ARMY	RDTE/Other Research & Development-Mgmt & S		250
	CONTRACTOR TOTAL					302
	INTEGRATED PARALLEL TECHNOLOGY	California	ARMY	RDTE/Other Research & Development-Mgmt & S		261
	INTEGRATED SENSORS INC	New York	ARMY	RDTE/Other Research & Development-Mgmt & S		200
	INTELLIGENT AUTOMATION INC	Maryland	USAF	RDTE/Other Research & Development-Mgmt & S		284
	INTERNATIONAL POLYMER CORP	Texas	ARMY	RDTE/Other Research & Development-Mgmt & S		53
	INTERNTIONAL COMPUTERS TELECOM	Maryland	NAVY	RDTE/Other Research & Development-Mgmt & S		196
	ISM TECHNOLOGIES INC	California	ARMY	RDTE/Other Research & Development-Mgmt & S		254
	ISX CORPORATION	California	ARMY	RDTE/Other Research & Development-Mgmt & S		245
	JIL SYSTEMS INC	California	NAVY	RDTE/Other Research & Development-Mgmt & S		52
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/Other Research & Development-Mgmt & S		125
	KPMG PEAT MARWICK	D.C.	ARMY	RDTE/Other Research & Development-Mgmt & S		353
	LITECOM INC	California	ARMY	RDTE/Other Research & Development-Mgmt & S		250
	LOGISTICS MANAGEMENT ENGRG	Penn	ARMY	RDTE/Other Research & Development-Mgmt & S		45
	LOGISTICS MANAGEMENT INSTITUTE	D.C.	ARMY	RDTE/Other Research & Development-Mgmt & S		556
			OCE	RDTE/Other Research & Development-Mgmt & S		1,199
		STATE TOTAL				1,755
	LUXTRON CORPORATION	California	NAVY	RDTE/Other Research & Development-Mgmt & S		396
	M T L SYSTEMS INC	Ohio	USAF	RDTE/Other Research & Development-Mgmt & S		50
	M TECHNOLOGIES INC	Penn	USAF	RDTE/Other Research & Development-Mgmt & S		299

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	MAC AULAY BROWN INC	Ohio	USAF	RDTE/Other Research & Development-Mgmt & S	$ 44
	MAGNETIC ANALYSIS CORP	New York	ARMY	RDTE/Other Research & Development-Mgmt & S	500
	MAK TECHNOLOGIES INC	Mass	ARMY	RDTE/Other Research & Development-Mgmt & S	48
	MARTIN MARIETTA CORPORATION	Georgia	ARMY	RDTE/Other Research & Development-Mgmt & S	68
	MEI TECHNOLOGY CORPORATION	Mass	USAF	RDTE/Other Research & Development-Mgmt & S	747
	MICRO-OPTICS TECHNOLOGIES INC	Wisconsin	USAF	RDTE/Other Research & Development-Mgmt & S	300
	MSNW INC	California	NAVY	RDTE/Other Research & Development-Mgmt & S	59
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/Other Research & Development-Mgmt & S	87
	NEOMECS INC	Minnesota	USAF	RDTE/Other Research & Development-Mgmt & S	50
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/Other Research & Development-Mgmt & S	8,430
	OGDEN GOVERNMENT SERVICES CIRP	California	NAVY	RDTE/Other Research & Development-Mgmt & S	2,151
	OMNI ANALYSIS INC	Conn	NAVY	RDTE/Other Research & Development-Mgmt & S	128
	OPERATIONAL TECHNOLOGIES CORP	Texas	USAF	RDTE/Other Research & Development-Mgmt & S	423
	OPTRA INC	Mass	USAF	RDTE/Other Research & Development-Mgmt & S	50
	ORION INTERNATIONAL TECH	New Mexico	USAF	RDTE/Other Research & Development-Mgmt & S	389
	ORION RESEARCH INCORPORATED	California	ARMY	RDTE/Other Research & Development-Mgmt & S	100
		PANAMA	ARMY	RDTE/Other Research & Development-Mgmt & S	150
	CONTRACTOR TOTAL				250
	PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/Other Research & Development-Mgmt & S	87
			USAF	RDTE/Other Research & Development-Mgmt & S	200
		STATE TOTAL			287
	PDA ENGINEERING	California	USAF	RDTE/Other Research & Development-Mgmt & S	337
	PHYSICAL OPTICS CORPORATION	California	NAVY	RDTE/Other Research & Development-Mgmt & S	50
			USAF	RDTE/Other Research & Development-Mgmt & S	50
		STATE TOTAL			100

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R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	PHYSICAL RESEARCH INC	California	ARMY	RDTE/Other Research & Development-Mgmt & S	$ 47
	PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/Other Research & Development-Mgmt & S	50
	PRINCETON SCIENTIFIC ENTRPRSS	New Jersey	ARMY	RDTE/Other Research & Development-Mgmt & S	293
	Q DOT INC	Colorado	USAF	RDTE/Other Research & Development-Mgmt & S	125
	QUALITY DECISION MANAGEMENT	Mass	USAF	RDTE/Other Research & Development-Mgmt & S	50
	RETICULAR SYSTEMS INC	California	ARMY	RDTE/Other Research & Development-Mgmt & S	334
	S A A ELECTRICAL CORP	Mass	USAF	RDTE/Other Research & Development-Mgmt & S	75
	SATCON TECHNOLOGY CORPORATION	Mass	ARMY	RDTE/Other Research & Development-Mgmt & S	653
	SCHNEIDER INC	Tennessee	USAF	RDTE/Other Research & Development-Mgmt & S	101,976
	SCHWARTZ ELECTRO-OPTICS INC	Florida	ARMY	RDTE/Other Research & Development-Mgmt & S	242
		Mass	USAF	RDTE/Other Research & Development-Mgmt & S	165
	CONTRACTOR TOTAL				407
	SCIENCE APPLICATIONS INTL CORP	Virginia	ARMY	RDTE/Other Research & Development-Mgmt & S	2,819
			USAF	RDTE/Other Research & Development-Mgmt & S	326
	STATE TOTAL				3,145
	SEARCH TECHNOLOGY INC	Georgia	ARMY	RDTE/Other Research & Development-Mgmt & S	50
	SIGNAL CORP	Virginia	NAVY	RDTE/Other Research & Development-Mgmt & S	193
	SONALYSTS INC	Conn	NAVY	RDTE/Other Research & Development-Mgmt & S	299
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/Other Research & Development-Mgmt & S	162
	SPARTA INC	California	ARMY	RDTE/Other Research & Development-Mgmt & S	221
			USAF	RDTE/Other Research & Development-Mgmt & S	156
	STATE TOTAL				377
	SPECTRA SYSTEMS INC	Ohio	ARMY	RDTE/Other Research & Development-Mgmt & S	235
	STANDARD TECHNOLOGY INC	Maryland	ARMY	RDTE/Other Research & Development-Mgmt & S	205
	STRUCTURAL INTEGRITY ASSOC INC	California	ARMY	RDTE/Other Research & Development-Mgmt & S	364
	SUMMIT RESEARCH CORPORATION	Maryland	NAVY	RDTE/Other Research & Development-Mgmt & S	446

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1992

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	ST/CNTRY	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	SUN CONTROL SYSTEMS INC	Maryland	NAVY	RDTE/Other Research & Development-Mgmt & S	$ 67
	SUPERIOR VACUUM	Minnesota	USAF	RDTE/Other Research & Development-Mgmt & S	300
	SVERDRUP TECHNOLOGY INC	Tennessee	USAF	RDTE/Other Research & Development-Mgmt & S	43,684
	SYSTEM PLANNING CORPORATION	Texas	USAF	RDTE/Other Research & Development-Mgmt & S	97
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/Other Research & Development-Mgmt & S	286
	TECHNICAL RESEARCH ASSOCIATES	Utah	USAF	RDTE/Other Research & Development-Mgmt & S	165
	TECHNOLOGY SYSTEMS INC	Maine	USAF	RDTE/Other Research & Development-Mgmt & S	57
	THERMACORE INC	Penn	ARMY	RDTE/Other Research & Development-Mgmt & S	65
	THERMAL SPRAY TECHNOLOGIES	Wisconsin	ARMY	RDTE/Other Research & Development-Mgmt & S	50
	THOMPSON ALUMINUM CASTING CO	Ohio	ARMY	RDTE/Other Research & Development-Mgmt & S	494
	TYBRIN CORPORATION	Florida	USAF	RDTE/Other Research & Development-Mgmt & S	429
	UNIVERSITY OF PITTSBURGH TR	Penn	USAF	RDTE/Other Research & Development-Mgmt & S	4,885
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/Other Research & Development-Mgmt & S	185
		Virginia	NAVY	RDTE/Other Research & Development-Mgmt & S	436
	CONTRACTOR TOTAL				621
	WEDEVEN ASSOCIATES INC	Penn	USAF	RDTE/Other Research & Development-Mgmt & S	301
	WESTINGHOUSE ELECTRIC CORP	Penn	USAF	RDTE/Other Research & Development-Mgmt & S	92
	WIZDOM SYSTEMS INC	Illinois	USAF	RDTE/Other Research & Development-Mgmt & S	50
R&D TOTAL					248,371
GRAND TOTAL FOR R&D					$ 21,730,462