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500 CONTRACTORS

**CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME
OF
PRIME CONTRACT AWARDS FOR RDT&E**

FISCAL YEAR 1979

**DEPARTMENT OF DEFENSE
WASHINGTON HEADQUARTERS SERVICES
DIRECTORATE FOR INFORMATION OPERATIONS
AND REPORTS**



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**CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME
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500 CONTRACTORS

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500 CONTRACTORS LISTED ACCORDING TO NET VALUE OF
MILITARY PRIME CONTRACT AWARDS FOR RESEARCH,
DEVELOPMENT, TEST, AND EVALUATION WORK

FISCAL YEAR 1979

FOREWORD

This report lists the leading 500 military prime contractors according to the net value of awards over \$10,000 for research, development, test, and evaluation (RDT&E) work during fiscal year 1979. This list is arranged in four sections: U.S. Business Firms; Educational and Nonprofit Institutions; Foreign Contractors; and U.S. Government Agencies.

Contractors in all sections are ranked in a single sequence so that only one contractor in the report is number one. The alphabetical index shows the section in which each contractor is located and his rank. The geographic locations shown are those where the work was expected to be performed. Generally, the location is a contractor's plant, laboratory, or other facility. However, if the work was scheduled to be performed at a Defense activity, such as an Air Force Base, the location is the Defense activity rather than the contractor's plant.

The following table shows the distribution of RDT&E awards for all contractors and for the top 500. The 1979 distribution varies slightly from that for 1978. In 1978, the top 500 consisted of 380 U.S. firms (193 of which were small business firms); 112 educational and nonprofit institutions; 2 foreign contractors; and 6 U.S. government

TYPE OF CONTRACTOR	TOTAL RDT&E			500 CONTRACTORS RDT&E			ALL OTHER RDT&E		
	NUMBER	AMARDS (\$000)	PERCENT OF TOTAL	NUMBER	AMARDS (\$000)	PERCENT OF TOTAL	NUMBER	AMARDS (\$000)	PERCENT OF TOTAL
RDT&E - TOTAL	1,950	\$8,542,998	100	500	\$8,378,022	100	1,450	\$164,976	100
BUSINESS FIRMS	1,579	7,533,996	88	368	7,392,392	88	1,211	141,604	86
Small	1,133	483,630	6	186	377,160	4	947	106,470	65
Large	446	7,050,366	82	182	7,015,232	84	264	35,134	21
EDUCATIONAL & OTHER NONPROFIT	320	981,948	12	121	960,912	11	199	21,036	13
Educational	188	573,733	7	89	560,778	6	99	12,955	8
Other Nonprofit	132	408,215	5	32	400,134	5	100	8,081	5
U.S. GOVERNMENT AGENCIES (1)	9	11,992	*	6	11,767	*	3	225	*
FOREIGN	42	15,062	*	5	12,951	*	37	2,111	1
Nonprofit	17	4,827	*	3	4,111	*	14	716	*
Business Firms	25	10,235	*	2	8,840	*	23	1,395	1

* Less than 0.5 percent.

(1) Excludes 8(a) awards made through the Small Business Administration

NOTE: Totals may not add due to rounding.

agencies. There are 95 new contractors on the fiscal year 1979 list compared to 88 new contractors in 1978.

In addition to the 500 listed contractors, there were 1,450 other contractors who were awarded prime contracts over \$10,000 for RDT&E work during fiscal year 1979 making a total of 1,950 contractors in all compared with 1,937 contractors during fiscal year 1978. In 1979, the top 500 RDT&E contractors received awards totaling \$8,378 million compared to \$8,520 million in 1978, for a decrease of \$142 million, or -2 percent. The \$8,378 million represents 98.1 percent of the \$8,543 million total prime contract awards over \$10,000 for RDT&E work in fiscal year 1979, the same relationship as in 1978. During fiscal year 1979 awards made by the Department of Defense under the U.S. Small Business Administration's 8(a) program, which were formerly credited to that agency, are now credited to the actual recipient prime contractor. Consequently, awards to U.S. Government agencies decreased by \$13 million or -52 percent and small business firms increased by \$20 million or 4 percent. Awards to large business firms decreased by \$342 million or -5 percent.

Of the 19 contractors with RDT&E awards of \$100 million or more in fiscal year 1979, 16 were large U.S. businesses and 3 were educational and other nonprofit institutions. These 19 contractors had a total of \$5,184 million in RDT&E awards. In fiscal year 1978, there also were 19 contractors who attained the \$100 million plateau with total awards of \$5,600 million, of which 17 were large U.S. businesses and 2 were educational institutions. The amount of awards for the \$100 million group showed a decrease of \$416 million, or -7.4 percent, between fiscal years 1978 and 1979. This loss in RDT&E awards by large U.S. business firms (\$323 million or -4 percent) was partially offset by increased awards to educational and nonprofit institutions and to foreign contractors of \$192 million or 25 percent and \$8 million or 169 percent, respectively.

The RDT&E contractors with the largest value of awards were engaged in research, development, test, or evaluation of missile and space systems, electronic and communications equipment, and aircraft programs. In fiscal year 1979, \$6,271 million or 73.4 percent of all RDT&E awards of over \$10,000 was for work connected with the above programs.

As shown below, engineering development accounted for the majority (43.2%) of RDT&E awards. Within this

category, missile systems received \$1,241 million, or 14.5 percent, of the total RDT&E awards. The next largest expenditure, also for engineering development, was aircraft programs, \$1,140 million, or 13.3 percent.

Type	Awards (\$000)	Percent of Total
RDT&E - TOTAL	\$8,542,998	100.0
Research	380,861	4.5
Exploratory Development	726,161	8.5
Advanced Development	1,587,199	18.6
Engineering Development	3,692,278	43.2
Operational Systems	1,047,319	12.3
Management and Support	1,109,180	13.0

INDEX OF 500 LARGEST MILITARY
PRIME CONTRACTORS FOR RESEARCH, DEVELOPMENT,
TEST AND EVALUATION WORK
FISCAL YEAR 1979

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
83	R A A I CORP	77	N BATTELLE MEMORIAL INSTITUTE
284	B A L S ELECTRONICS CORP	266	E BELL & HOWELL CO
203	M ACUREX CORP	68	B BENCIX CORP
494	R ADVANCED DESIGN CORP	153	B BENCIX FIELD ENGINEERING CORP
342	B ADVANCED RESEARCH & APPL CORP	347	B BETAC CORP
196	B ADVANCED TECHNOLOGY INC	481	E EIC PEC INC
302	B AERODYNE RESEARCH INC	357	P EICMETRICS INC
32	R AERJET GENERAL CORP	115	E BOEING AEROSPACE CO
293	M AEROMET INC	2	E BOEING CO
297	B AERONAUTICAL RESEARCH ASSOCIATES	71	E BOEING VERTCL CC
17	N AEROSPACE CORP	87	E BOLT BERANEK & NEWMAN INC
366	R AIRRESEARCH PFC CO OF ARIZONA	95	E BOOZ ALLEN & HAMILTON INC
297	N ALABAMA UNIVERSITY CF	204	E BOOZ ALLEN APPLIED RESEARCH INC
97	N ALASKA UNIVERSITY OF	225	N BOSTON COLLEGE
126	R AMERICAN ELECTRONIC LABS INC	287	N BOSTON UNIVEPSITY
416	N AMERICAN EDUCATION BIOLOGICAL	415	E BREED CORP
450	R AMERICAN STERILIZER CO	435	N BRUNN UNIVERSITY
428	B AMPEX CORP	172	B BRUNS WICK CORP
270	R ANALYSIS & COMPUTER SYSTEMS INC	476	B BULOVA WATCH CO INC
272	R ANALYSIS & TECHNOLOGY INC	94	E FUNKER RAMC CORP
428	R ANALYTIC DISC PLINES INC	184	P BURRUGHS CORP
98	B ANALYTIC SCIENCES CORP	312	E C N R INC
138	N ANALYTIC SERVICES INC	368	E C T E C
448	R ANALYTICAL ASSESSMENTS CORP	257	E CACI INC FEDERAL
156	B ANALYTICAL SYSTEMS ENGR CORP	193	B CAERE CORP
168	B ANALYTICS INC	182	N CALIFORNIA INSTITUTE OF TECHNOLOGY
240	R APPLICATION RESEARCH CORP	372	E CALIFORNIA RESEARCH & TECHNOLOGY
784	R APPLIED SCIENCE ASSOCIATES INC	54	N CALIFORNIA UNIVERSITY CF
480	R APOCN CORP	75	E CALSPAN CORP
104	E A-ES INC	106	E CAPPELL ALLEN P
286	R ARETE ASSOCIATES INC	107	F CANADIAN COMMERCIAL CORP
222	R ARFC SYSTEMS INC	352	B CANYON RESEARCH GROUP INC
157	B ARINC RESEARCH CORP	269	N CAPITOL RADIO ENGINEERING INST INC
187	N ARIZONA UNIVERSITY CF	206	E CARTECH INC
18	R ARD INC	158	N CARNEGIE MELLON UNIVERSITY
270	B ASSURANCE TECHNOLOGY CORP	333	N CASE WESTERN RESERVE UNIVERSITY
291	B ATLANTIC ANALYSIS CORP	393	N CATHLIC UNIVERSITY OF AMERICA
168	B ATLANTIC RESEARCH CORP	402	E CENTER FOR PLANNING & RESEARCH INC
365	N AUBURN UNIVERSITY	371	E CHALCO ENGINEERING CORP
175	B AUREACH ASSOCIATES INC	160	E CHAMBERLAIN MFG CORP
258	R AUSTIN RESEARCH ASSOCIATES	25	N CHARLES STARK DRAFER LABS INC
36	R AUTOMATIC INDUSTRIES INC	470	N CHICAGO UNIVERSITY
467	R AUTOMETRIC CORP	23	E CHRYSLER CORP
35	R AVCC CORP	147	B CINCINNATI ELECTRONICS CORP
80	B AVCC EVERETT RESEARCH LABORATORY	376	N CINCINNATI UNIVERSITY CF
47	B P C M CORP	422	E CLARK EQUIPMENT CO
218	R P C M SERVICES CO	430	N CLARKSON COLLEGE OF TECHNOLOGY
468	B P E I ELECTRONICS INC	370	N COLORADO STATE UNIVERSITY
210	R P K DYNAMICS INC	319	N COLORADO UNIVERSITY
214	B BALL PROS RESEARCH CORP	442	E COLUMBIA RESEARCH CORP

* B = BUSINESS FIRM
F = FOREIGN CONTRACTOR
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INDEX OF 500 LARGEST MILITARY
PRIME CONTRACTORS FOR RESEARCH, DEVELOPMENT,
TEST AND EVALUATION WORK
FISCAL YEAR 1979

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
163	N COLUMBIA UNIVERSITY	162	E ENSCO INC
174	N COMPANY CONTROL & COMMUNICATION	137	N ENVIRONMENTAL RSCH INST CF MICH
191	N COMPUTER CORP OF AMERICA	386	E ESSEX CORP
51	N COMPUTER SCIENCES CORP	39	B F P C CORP
420	B CONSOLIDATED ANALYSIS CENTER INC	170	E FAIRCHILD CAMERA & INSTRUMENT CORP
62	B CONTROL DATA CORP	73	B FAIRCHILD INDUSTRIES INC
215	N CORNELL UNIVERSITY	239	E FALCON RESEARCH & DEVELOPMENT CO
144	N CUPIC CORP	400	B FEDERAL ELECTRIC CORP
170	N CUMMINS ENGINE CO INC	401	B FIBER MATERIALS INC
126	B CURTIS WRIGHT CORP	313	B FIBER TECHNOLOGY INC
58	B CUTLER HAMMER INC	260	E FIRESTONE TIRE & RUBBER CO
192	B D A A SYSTEMS INC	130	B FLIGHT SYSTEMS INC
456	B C C S CORP	296	E FLINCHBAUGH PRODUCTS INC
407	B DATA BASE MANAGEMENT INC	353	N FLORIDA STATE UNIVERSITY
461	N DATA GENERAL CORP	380	N FLORIDA TECHNOLOGICAL UNIVERSITY
76	N DAYTON UNIVERSITY OF	350	N FLORIDA UNIVERSITY
405	B DECISION SCIENCE APPLICATIONS INC	27	E FORD AEROSPACE & COMMUNICATIONS
484	B DECISION SCIENCE INC	451	B FREQUENCY & TIME SYSTEMS INC
252	B DECISIONS & DESIGNS INC	151	B FUGRO NATIONAL INC
474	N DELAWARE UNIVERSITY OF	24	E G T E SYLVANIA INC
303	N D LEX SYSTEMS INC	491	B GAGLIARDI SYSTEMS GROUP INC
247	N DENVER UNIVERSITY OF	68	E GARRETT CORP
453	B DEVELOPMENTAL SCIENCES INC	3	B GENERAL DYNAMICS CORP
256	B DIAGNOSTIC RETRIEVAL SYSTEMS INC	5	E GENERAL ELECTRIC CO
424	B DIGITAL EQUIPMENT CORP	56	B GENERAL MOTORS CORP
367	N DIGITAL TECHNOLOGY INC	446	B GENERAL OFFSHORE CORP
264	N DIXONCO INDUSTRIES INC	90	B GENERAL RESEARCH CORP
343	N DOTY ASSOCIATES	332	E GEODYNAMICS CORP
386	N DUKE UNIVERSITY	378	N GEOPHYSICAL INSTITUTE OF ALASKA
74	N DYNALECTRON CORP	276	N GEORGE WASHINGTON UNIVERSITY
106	N DYNAMICS RESEARCH CORP	475	N GEORGETOWN UNIVERSITY
124	B DYNELL ELECTRONICS CORP	146	N GEORGIA INSTITUTE TECH
220	N DYNETICS INC	185	N GEORGIA TECH RESEARCH INSTITUTE
140	N E G & C INC	40	E GLOBAL ASSOCIATES
306	B E P F CORP	82	B GOODYEAR AEROSPACE CORP
41	B E S L INC	81	B GOULC INC
124	N E SYSTEMS INC	31	B GRUMMAN AEROSPACE CORP
210	N EASTMAN KODAK CO	86	E H R E SINGER INC
497	N ECLETECH ASSOCIATES INC	42	B HARRIS CORP
85	B ECO CORP	278	N HARVARD UNIVERSITY
241	N EDUCATIONAL COMPUTER CORP	201	N HAWAII UNIVERSITY OF
217	B EFFECTS TECHNOLOGY INC	84	E HAZELTINE CORP
231	B ELECTRIC SPACE SYSTEMS INC	150	B HENNINGSTON DURHAM RICHARDSON
273	N ELECTRONIC COMMUNICATIONS INC	53	E HERCULES INC
323	N ELECTRONIC WAFFAGE ASSOCIATES	354	E HERNER CO
242	N ELECTROSPACE SYSTEMS INC	471	E HI SPEAR CORP
320	B EMERSON & CLARK INC	20	B HONEYWELL INC
40	N EMERSON ELECTRIC CO	315	B HORIZONS TECHNOLOGY INC
400	N EMMAUEL COLLEGE	473	N HOUSTON UNIVERSITY OF
307	B ENERGY RESEARCH CORP	447	N HUSCH INSTITUTE

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4 B	HUGHES AIRCRAFT CO	195 B	LOCKHEED ELECTRONICS CO INC
212 B	HUGHES RESEARCH LABORATORIES	18 B	LOCKHEED MISSILES & SPACE CO INC
210 N	HUMAN RESOURCES RESEARCH ORGN	127 B	LOCKHEED SHIPBUILDING CONSTRUCTION
424 B	HYCOM INC	88 E	LOGICON INC
316 B	MYCOR INC	233 N	LOGISTICS MANAGEMENT INSTITUTE
463 B	HYDROACOUSTICS INC	111 B	LORAL CORP
221 B	HYDRONAUTICS INC	335 N	LOUISIANA STATE UNIVERSITY OF
294 B	HYDROSCIENCE INC	355 B	M & S COMPUTING INC
494 B	HYDRONAUTICS	346 B	M E ASSOCIATES
436 B	I L C DOVER	478 E	M R J INC
349 B	I R T CORP	110 B	PAGNAVOX CO
106 B	I T T & WESTINGHOUSE JV	101 E	PAGNAVOX GOVT & INDUSTRIAL ELEC CO
99 B	I T T GIBBILLAN INC	238 E	PAN TECH CORP
57 N	ILLINOIS INSTITUTE TECHNOLOGY	253 E	PAR INC
173 N	ILLINOIS UNIVERSITY OF	443 E	PARK RESOURCES INC
354 B	IMAGE GRAPHICS INC	138 E	PAFGUARDT CO
325 B	INCC INC	8 E	PARTIN MARIETTA CORP
477 B	INFORMATION SPECTRUM INC	211 N	MARYLAND UNIVERSITY OF
67 N	INSTITUTE FOR DEFENSE ANALYSIS	423 E	PASSACHUSETTS COMPUTER ASSOCIATES
288 B	INTERMETRICS INC	16 N	PASSACHUSETTS INSTITUTE TECHNOLOGY
12 B	INTERNATIONAL BUSINESS MACHINE CO	331 N	PASSACHUSETTS UNIVERSITY OF
412 B	INTERNATIONAL COMPUTING CO	438 F	MATRA CO
125 B	INTERNATIONAL HARVESTER CO	116 B	MAXWELL LABORATORIES INC
180 B	INTERNATIONAL LASER SYSTEMS INC	1 E	MCCONNELL DOUGLAS CORP
497 B	INTERNATIONAL PUBLIC POLICY RES	444 E	HEAD TECHNOLOGY LABORATORIES
28 B	INTERNATIONAL TELEPHONE & TEL CORP	495 E	MEASUREMENT CONCEPT CORP
111 B	INTERSTATE ELECTRONICS CORP	479 E	MECHANICAL TECHNOLOGY INC
295 N	IOWA UNIVERSITY OF	377 E	MERIDAN GROUP
92 B	ITEK CORP	483 B	MERRIT J L CNSLT & SPEC ENGR SVS
452 B	JAMES RIVER GRAPHICS	119 E	METRIC SYSTEMS CORP
103 B	JAYCOR	202 N	MIAMI UNIVERSITY OF
13 N	JOHNS HOPKINS UNIVERSITY	499 N	MICHIGAN STATE UNIVERSITY
123 B	KAMAN AEROSPACE CORP	487 N	MICHIGAN TECHNOLOGICAL UNIVERSITY
117 B	KAMAN SCIENCES CORP	216 N	MICHIGAN UNIVERSITY OF
472 N	KANSAS UNIVERSITY OF	410 N	PICWEST RESEARCH INSTITUTE
454 B	KAPPA SYSTEMS INC	338 N	MINNESOTA UNIVERSITY OF
330 B	KARAGZIAN & CASE STRUCTURAL ENGRS	117 B	MISSION RESEARCH CORP
58 B	KENTRON HAWAII LTD	399 N	MISSOURI UNIVERSITY OF
248 B	KETRON INC	21 N	MITRE CORP
392 B	KEYCOR CENTURY CORP	485 E	PONSANTO RESEARCH CORP
179 B	KURAS ALTERMAN CORP	34 B	POTOFOLA INC
302 B	L T V CORP	139 N	NATIONAL ACADEMY OF SCIENCES
169 B	LEAR SIEGLER INC	309 N	NATIONAL CNCL SCVLET E EUROPE RSCM
363 N	LEHIGH UNIVERSITY	469 N	NATIONAL SCIENCE FOUNDATION
195 B	LIBRA TECHNOLOGY	304 F	NATIONAL TAIWAN UNIVERSITY HOSP
178 B	LINKBIT CORP	500 B	NETWORK ANALYSIS CORP
194 B	LITTLE ARTHUR C INC	417 N	NEVADA UNIVERSITY OF
177 B	LITTON INDUSTRIES INC	431 N	NEW HAMPSHIRE UNIVERSITY OF
48 B	LITTON SYSTEMS INC	258 N	NEW MEXICO INSTITUTE MINING & TECH
40 B	LOCKHEED CORP	129 N	NEW MEXICO STATE UNIVERSITY

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RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
141	N NEW MEXICO UNIVERSITY OF	352	E POSEIDON RESEARCH
432	B NEW TECHNOLOGY INC	142	F FGTOPAC RESEARCH INC
256	N NEW YORK POLYTECHNIC INSTITUTE	197	E FRESEARCH INC
277	N NEW YORK STATE UNIV RESEARCH FCLND	245	N PRINCETON UNIVERSITY
761	N NEW YORK UNIVERSITY	437	E PRCEE SYSTEMS INC
134	B NEWPORT NEWS SHIPPLD & DRY DOCK CO	375	B PROGRESS AEROSPACE ENTERPRISES INC
254	B NICHOLS RESEARCH CORP	198	B PROTOTYPE DEVELOPMENT INC
373	B NIELSEN ENGINEERING & RESEARCH CO	272	N PURDUE RESEARCH FOUNDATION
152	B NORCEN SYSTEMS INC	188	B QUEST RESEARCH CORP
419	B NORTH AMERICAN PHILIPS CORP	314	E QUESTRON CORP
498	N NORTH CAROLINA STATE UNIVERSITY	65	E R & D ASSOCIATES
441	N NORTH CAROLINA UNIVERSITY OF	19	B R C A CORP
748	N NORTHEASTERN UNIVERSITY	46	N RAND CORP
452	B NORTHERN RESEARCH & ENGR CORP	382	E RAYCON INDUSTRIES INC
26	B NORTHROP CORP	7	E RAYTECH CO
356	N NORTHWESTERN UNIVERSITY	328	N RENSSELAER POLYTECHNIC INSTITUTE
207	B C R I INC	299	N RESEARCH TRIANGLE INSTITUTE
398	B OCEAN DATA SYSTEMS INC	298	N RHODE ISLAND UNIVERSITY OF
216	N OHIO STATE UNIV RESERCH FOLNICATION	360	P RISI INDUSTRIES INC
429	N OHIO STATE UNIVERSITY THE	176	N RIVERSIDE RESEARCH INSTITUTE
250	N OKLAHOMA STATE UNIVERSITY OF	78	N ROCHESTER UNIVERSITY OF
336	B OPERATING SYSTEMS INC	6	B ROCKWELL INTERNATIONAL CORP
488	B OPTICAL SCIENCES CO	37	E RCPH INDUSTRIES INC
281	N OREGON STATE UNIVERSITY	342	E RCME RESEARCH CORP
756	B ORINCON CORP	406	B ROSENBAUM MAROLE ASSOCIATES INC
334	N ORLANDO TECHNOLOGY INC	271	F ROYAL NORWEGIAN NAVY MAT COMM
301	B P E SYSTEMS INC	55	N S R I INTERNATIONAL
164	N PACCAR INC	421	E S T RESEARCH CORP
317	B PACER SYSTEMS INC	456	B SACHS FREEMAN ASSOCIATES INC
457	N PACIFIC ANALYSIS CORP	252	N SALK INSTITUTE THE
191	B PACIFIC SIERRA RESEARCH CORP	69	B SANDERS ASSOCIATES INC
380	B PACIFICA TECHNOLOGY	112	F SANDERS ASSOCS & NORTHROP CORP JV
223	N PALISADES GEOPHYSICAL INSTITUTE	205	B SANGAMC WESTON INC
411	N PALISADES INSTITUTE	283	E SANTA BARBARA RESEARCH CENTER
248	B PARAMO DEVELOPMENT CORP	383	B SANTA FE CORP
137	B PARSONS RALPH P CO INC	246	E SCHAFFER W J ASSOCIATES INC
165	B PATTERN ANALYSIS & RECOGNITION CO	39	E SCIENCE APPLICATIONS INC
344	B PEAT MARWICK MITCHELL & CO	490	E SCIENTIFIC SYSTEMS INC
72	N PENNSYLVANIA STATE UNIVERSITY	340	B SCOPE ELECTRONICS INC
185	N PENNSYLVANIA UNIVERSITY OF	96	E SECCC SYSTEMS INC
228	B PERCEPTONICS INC	213	E SEMCOR INC
122	B PERKIN ELMER CORP	440	E SIGNAL SCIENCE INC
327	B PHOTO SONICS INC	322	B SIGNATRON INC
781	B PHYSICAL DYNAMICS INC	230	E SIMULATION TECHNOLOGY INC
700	B PHYSICAL SCIENCES CORP	43	E SINGER CO
100	B PHYSICS INTERNATIONAL CO	390	N SMITHSONIAN INSTITUTION
234	N PITTSBURGH UNIVERSITY OF	132	B SOFTECH INC
93	B PLANNING RESEARCH CORP	448	E SONALYSTS INC
285	B PLANNING SYSTEMS INC	362	E SONIC INSTRUMENTS INC
161	B PNEUMO CORP	462	N SOUTH CAROLINA UNIVERSITY OF

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285	N SCOTHEASTERN CORP ELECT ENGR EDLC	292	B TELEDYNE INC
85	N SOUTHERN CALIFORNIA UNIVERSITY OF	50	F TELEDYNE INDUSTRIES INC
385	B SOUTHERN ELECTRICITY	321	N TENNESSEE UNIVERSITY OF
227	N SOUTHERN RESEARCH INSTITUTE	499	E TERRA TEK INC
145	N SOUTHWEST RESEARCH INSTITUTE	200	F TETRA TECH INC
245	B SPACE DATA CORP	736	N TEXAS A & M RESEARCH FOUNDATION
365	B SPACE VECTOR CORP	395	N TEXAS A & M UNIVERSITY
251	B SPACON CORP	29	F TEXAS INSTRUMENTS INC
464	B SPEARS ASSOCIATES INC	496	N TEXAS TECHNOLOGICAL COLLEGE
427	B SPECTRA RESEARCH SYSTEMS INC	70	N TEXAS UNIVERSITY OF
320	B SPERRY FLIGHT SYSTEMS	52	F TEXTRON INC
39	B SPERRY RAND CORP	45	F THICKOL CORP
364	B SPIFF CORP	140	B TRACOR INC
461	B SPRINGFIELD LABORATORIES INC	265	E ULTRASYSTEMS INC
123	B STANFORD TELECOMMUNICATIONS INC	466	B UNIDYNAMICS PHOENIX INC
91	N STANFORD UNIVERSITY	274	F UNITED KINGDOM MINISTRY OF DEFENCE
136	B STEARNS ROGER INC	237	N UNITED STATES COMMERCE DEPT
459	B STEIN ASSOCIATES INC	351	N UNITED STATES ENERGY DEPT
171	B STENCHEL AERO ENGINEERING CORP	229	N UNITED STATES NATL AERO SPACE AGY
405	B STERLING WALTER V INC	11	F UNITED TECHNOLOGIES CORP
726	N STEVENS INSTITUTE OF TECHNOLOGY	159	N UTAH STATE UNIVERSITY
15	B SLMMA CORP	63	N UTAH UNIVERSITY OF
450	B SLMIT RESEARCH CORP	244	F VALUE ENGINEERING CO
482	B SIN CO INC	154	F VARIAN ASSOCIATES
413	B SYNECTICS CORP	181	B VARG INC
311	B SYNOPSIS SYSTEMS CORP	268	E VECTOR RESEARCH INC
374	N SYRACUSE RESEARCH CORP	247	F VECA INC
225	N SYRACUSE UNIVERSITY	414	F VECA PRECISION LABORATORIES INC
290	N SYRACUSE UNIVERSITY RESEARCH CORP	281	N VIRGINIA POLYTECHNIC INSTITUTE
425	B SYSTEM AUTOMATION CORP	407	N VIRGINIA UNIVERSITY OF
61	B SYSTEM DEVELOPMENT CORP	291	F VISICORP INC
114	B SYSTEM PLANNING CORP	22	F VOLUNT CORP
224	B SYSTEMATICS GENERAL CORP	439	F WREGENBURG R M & CO
412	B SYSTEMS & APPLIED SCIENCES CORP	337	E WAGNER DANIEL M ASSOCIATES INC
121	B SYSTEMS CONSULTANTS INC	102	N WASHINGTON UNIVERSITY OF
167	B SYSTEMS CONTROL INC	318	E WATKINS JOHNSON CO
305	B SYSTEMS ENGINEERING LABORATORIES	309	N WAYNE STATE UNIVERSITY
787	B SYSTEMS PLANNING & ANALYSIS INC	263	E WEIDLING- ASSOCIATES CONSULT ENGR
79	B SYSTEMS RESEARCH LABORATORIES INC	267	N WENTWORTH INSTITUTE
125	B SYSTEMS SCIENCE & SOFTWARE	44	F WESTERN ELECTRIC CO INC
433	B SYSTEMS TECHNOLOGY INC	148	B WESTERN GEAR CORP
155	B T R & COLORADO ELECTRONICS INC	14	F WESTINGHOUSE ELECTRIC CORP
9	B T R M INC	205	F WHITTAKER CORP
741	B TECHNOIC INTERNATIONAL	79	F WILLIAMS RESEARCH CORP
255	B TECHNOLOGY DEVELOPMENT CORP	235	N WISCONSIN UNIVERSITY OF
275	B TECHNOLOGY INC	131	N WOODS HOLE OCEANOGRAPHIC INST
105	B TECHNOLOGY SERVICE CORP	147	F XEROX CORP
485	B TELCOM SYSTEMS INC	492	E XETEX
64	B TELEDYNE BROWN ENGINEERING	282	B YONICS INC
129	B TELEDYNE C A E	235	N YALE UNIVERSITY

* B = BUSINESS FIRM
F = FOREIGN CONTRACTOR
N = NON-PROFIT INSTITUTION

SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
1	MCNEILL DUGLAS CORP HUNTINGTON ZEB CALIFORNIA	770,645		GENERAL ELECTRIC CO PHILADELPHIA PA	13,256
	LONG BEACH CALIFORNIA	94,573		VALLEY Forge PA	735
	MOAPOVA CALIFORNIA	3,520		WARMINGSTER PA	71
	LOWRY AFB COLORADO	1,021		BURLINGTON VERMONT	1,370
	WASHINGTON DC	74		ARLINGTON VIRGINIA	454
	TITUSVILLE FLORIDA	500		ASHLAND VIRGINIA	57
	ST CHARLES MISSOURI	459		WAYNESBORO VIRGINIA	57
	ST LOUIS MISSOURI	114			
	KIRTLAND AFB NEW MEXICO	669,246	6	ROCKWELL INTERNATIONAL CORP FORT HUACHUCA ARIZONA	322,070
	WHITE SANDS MS NEW MEXICO	891		ALAMEDA CALIFORNIA	60
		169		ANAHAIM CALIFORNIA	140
2	CEING CO MUNTSVILLE ALABAMA	679,110		CANOGA PARK CALIFORNIA	51,683
	VANDENBERG AFB CALIFORNIA	9,564		CONNEY CALIFORNIA	51,217
	WICMITA KANSAS	621		EL SEGUNDO CALIFORNIA	52,545
	KIRTLAND AFB NEW MEXICO	111,620		LOS ANGELES CALIFORNIA	240
	MOUSTON TEXAS	213		NEWPORT BEACH CALIFORNIA	6,846
	EVERETT WASHINGTON	829		SANTA SUSANA CALIFORNIA	575
	KEAT WASHINGTON	21,432		SEAL BEACH CALIFORNIA	10,253
	SEATTLE WASHINGTON	9,377		THOUSAND OAKS CALIFORNIA	7,420
		526,765		ELCOFIELD CONN	566
3	GENERAL DYNAMICS CORP GERMANY	491,547		CECAP RAPIDS IOWA	12,070
	PONCHA CALIFORNIA	400		KIRTLAND AFB NEW MEXICO	61
	SAN DIEGO CALIFORNIA	110,609		GRIFFISS AFB NEW YORK	123
	GROTON CONN	210,466		COLUMBUS OHIO	55,032
	EGLIN AFB FLORIDA	35,927		WEIGHT FATTERS OHIO	55
	ALBUQUERQUE NEW MEXICO	251		TULSA OKLAHOMA	15
	KIRTLAND AFB NEW MEXICO	75		DALLAS TEXAS	2,627
	FORT WORTH TEXAS	2,684		RICHAROSCA TEXAS	1,125
		123,245			
4	MILES AIRCRAFT CO TUCSON ARIZONA	420,926		7 RAYTHEON CO MUNTSVILLE ALABAMA	274,620
	CANOGA PARK CALIFORNIA	2,046		COLETA CALIFORNIA	16
	CARLSBAD CALIFORNIA	233,277		ANDOVER MASS	4,652
	CULVER CITY CALIFORNIA	325		BEDFORD MASS	13,617
	EL SEGUNDO CALIFORNIA	70,719		LEXINGTON MASS	153,996
	FULLERTON CALIFORNIA	22,827		LONELL MASS	67
	IRVINE CALIFORNIA	70,453		SUBBURY MASS	16,151
	LOS ANGELES CALIFORNIA	1,190		WALTHAM MASS	21,815
	MALDEN CALIFORNIA	3,201		WAYLAN MASS	2,047
	NEWPORT BEACH CALIFORNIA	3,722		WAYLAN MASS	15,024
	SAN DIEGO CALIFORNIA	485		WEST ANDOVER MASS	325
	TORRANCE CALIFORNIA	72		PORTSMOUTH RI	2,055
	SOUTH FOULDER COLORADO	4,288			
	MOLLOPAN AFB NEW MEXICO	29		8 PARTIN MARIETTA CORP REDSTONE ARSEN ALABAMA	257,631
	SEATTLE WASHINGTON	61		VANDENBERG AFB CALIFORNIA	76
		557		DENVER COLORADO	15,313
				WATERTON COLORADO	56,620
5	GENERAL ELECTRIC CO MUNTSVILLE ALABAMA	332,025		ORLANDO FLORIDA	2,345
	WILLIAMS AFB ARIZONA	262		BALTIMORE MARYLAND	170,210
	PLEASANTON CALIFORNIA	600		WAREFIELD MASS	542
	SANTA BARBARA CALIFORNIA	100			4,925
	SUNNYVALE CALIFORNIA	2,201			
	WASHINGTON DC	257		9 T R W INC MUNTSVILLE ALABAMA	247,042
	DAYTONA BEACH FLORIDA	344		LANCALE CALIFORNIA	400
	RETSVILLE MARYLAND	9,506		MOUNTAIN VIEW CALIFORNIA	25
	WANSICC AFB MASS	60		NEWBURY PARK CALIFORNIA	95
	LYNN MASS	2,343		NORTON AFB CALIFORNIA	11,374
	PITTSFIELD MASS	11,116		RECONOC BEACH CALIFORNIA	41,585
	WEST LYNN MASS	12,050		SAN JUAN CAPIS CALIFORNIA	165,117
	WILMINGTON MASS	106,470		EGLIN AFB FLORIDA	2,350
	WYANDOTTE MASS	635		HONOLULU CITY HAWAII	200
	PINGHAMPTON NEW YORK	46		ALBUQUERQUE NEW MEXICO	422
	JONASCA CITY NEW YORK	916		JAMESTOWN NEW YORK	41
	NORTH SYRACUSE NEW YORK	2,342		CLEVELAND OHIO	20
	SCHENECTADY NEW YORK	50		PHILADELPHIA PA	54
	SYRACUSE NEW YORK	59,237		LANGLEY AFB VIRGINIA	143
	UTICA NEW YORK	35,761		MCLEAN VIRGINIA	15,704
	WATERFORD NEW YORK	6,772		NORFOLK VIRGINIA	166
	CIN TIANATI OHIO	162			
	EVENDALE OHIO	22,853			
	EPI WA	14,755			
	KINC OF PRUSS PA	95			
		26,795			

* * * PINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S * SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS
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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
10	LOCKHEED MISSILES & SPACE CO INC MUNTSVILLE ALABAMA PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA ALBUQUERQUE NEW MEXICO MAGNA UTAH	188,796 2,206 7,829 170,811 48 18	20	MONEYWELL INC FRANCE SAN DIEGO CALIFORNIA WEST COVINA CALIFORNIA DENVER COLORADO ST PETERSBURG FLORIDA ANNAPOLIS MARYLAND SAINT INIGOES MARYLAND FRAMINGHAM MASS LEXINGTON MASS BLOOMINGTON MINNESOTA MORRIS MINNESOTA MINNEAPOLIS MINNESOTA NEW BRICHTON MINNESOTA ST LOUIS PARK MINNESOTA MORSHAW PA WARRINSTER PA SEATTLE WASHINGTON	92,983 762 63 485 225 23,450 1,050 156 1,123 4,872 524 32,411 11,476 11,220 1,525 1,394 30 2,552
11	UNITED TECHNOLOGIES CORP CANADA SAN JOSE CALIFORNIA SUNNYVALE CALIFORNIA BRIDGEPORT CONN EAST HARTFORD CONN HARTFORD CONN RODFORD CONN NORWALK CONN NORWICH CONN SOUTH WINDSOR CONN STRATFORD CONN WINDSOR LOCKS CAN WEST PALM BEACH FLORIDA KIRTLAND AFB NEW MEXICO GARDEN CITY NEW YORK MELVILLE NEW YORK FORT SILL OKLAHOMA FORT WASHINGTON PA	168,449 76 82 9,279 51 11,835 391 119 4,391 638 355 68,698 2,194 77,542 128 70 56 79 1,524	22	VOLVOY CORP HONOLULU CITY HAWAII STERLING HEIGHTS MICHIGAN DALLAS TEXAS GRAND PRAIRIE TEXAS	84,125 212 223 22,753 327
12	INTERNATIONAL BUSINESS MACHINES CO MUNTSVILLE ALABAMA LOS ANGELES CALIFORNIA SAN DIEGO CALIFORNIA SAN JOSE CALIFORNIA WESTLAKE VILLAGE CALIFORNIA GAITHERSBURG MARYLAND KIRTLAND AFB NEW MEXICO HOPKINELL JUNCT NEW YORK ONEFO NEW YORK YORKTOWN HEIGHTS NEW YORK WARRINSTER PA HOUSTON TEXAS ARLINGTON VIRGINIA MANASSAS VIRGINIA	168,983 2,863 498 1,625 171 4,437 6,528 877 79 89,342 3,598 154 948 3,823 47,897	23	CHEVSELER CORP MUNTSVILLE ALABAMA CULVER CITY CALIFORNIA NEW ORLEANS LOUISIANA SLIDELL LOUISIANA CENTER LINE MICHIGAN DETROIT MICHIGAN STERLING HEIGHTS MICHIGAN LIPA OHIO	71,272 547 3,118 268 4,075 7,829 38 66,136 54
14	WESTINGHOUSE ELECTRIC CORP SUNNYVALE CALIFORNIA ANNAPOLIS MARYLAND BALTIMORE MARYLAND FORT PEACE MARYLAND MUNT VALLEY MARYLAND ORRVILLE OHIO CHESWICK PA PITTSBURGH PA WARRINSTER PA WEST PITTSFELD PA	123,344 11,646 814 45,663 348 1,782 25 1,485 4,388 62 67,219	24	G T E SYLVANIA INC ITALY T T PAC IS ANAHAIM CALIFORNIA LOS ANGELES CALIFORNIA MOUNTAIN VIEW CALIFORNIA NEEDHAM MASS NEEDHAM HEIGHTS MASS WHITE SANDS MS NEW MEXICO SPRINGFIELD VIRGINIA CLAM LAKE WISCONSIN	77,229 1,721 6,778 112 4,932 22,564 3,213 38,747 221 188 288
15	SUPPA CORP REDCONE ASSEMBLY ALABAMA CULVER CITY CALIFORNIA	124,558 78 124,480	26	NORTHROP CORP MUNTSVILLE ALABAMA ANAHAIM CALIFORNIA MANTHORNE CALIFORNIA PALOS VERDES E CALIFORNIA DES PLAINES ILLINOIS ROLLING MEADOW ILLINOIS NORWOOD MASS ARLINGTON VIRGINIA	64,953 399 21,213 30,585 588 553 5,369 5,435 631
18	AFC INC ANN ARBOR MICHIGAN ECC TENNESSEE	118,867 118,867	27	FORD AEROSPACE & COMMUNICATIONS IRVINE CALIFORNIA NEWPORT BEACH CALIFORNIA PALO ALTO CALIFORNIA	66,777 4,538 48,437 7,862
19	P C A CORP BURLINGTON MASS CAMDEN NEW JERSEY CHERRY HILL NEW JERSEY HIGHTSTOWN NEW JERSEY WOODRIDGE NEW JERSEY PRINCETON NEW JERSEY SOPERVILLE NEW JERSEY NEWPORT RI SPRINGFIELD VIRGINIA	107,165 11,352 14,744 16,470 27 1,657 99,813 1,427 511 11 1,953	28	INTERNATIONAL TELEPHONE & TEL CORP COSTA MESA CALIFORNIA SANTA ANA CALIFORNIA VAN NUYS CALIFORNIA FORT WAYNE INDIANA CLIFTON NEW JERSEY NUTLEY NEW JERSEY PARAMUS NEW JERSEY ROANOKE VIRGINIA	57,948 58 16 174 3,276 38 91,854 48 2,450

* = PLUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S = SMALL BUSINESS

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
29	TEXAS INSTRUMENTS INC RIDGECREST CALIFORNIA EGLIN AFB FLORIDA KIRTLAND AFB NEW MEXICO DALLAS TEXAS	56,884 223 54 21 56,540		SCIENCE APPLICATIONS INC FORT WALTON BE FLORIDA STUART FLORIDA ATLANTA GEORGIA SCHAMBURG ILLINOIS BEDFORD MASS BOSTON MASS ANN ARBOR MICHIGAN MERCURY NEVADA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO DAYTON OHIO WRIGHT PATTERS OHIO WAYNE PA ARLINGTON VIRGINIA MCLEAN VIRGINIA VIENNA VIRGINIA	246 366 642 34 116 54 155 198 1,687 17 261 189 251 3,388 8,325 263
30	SPEERY RAND CORP MUNTSVILLE ALABAMA PHOENIX ARIZONA LOMOC CALIFORNIA WASHINGTON DC CLEARWATER FLORIDA SUDBURY MASS MINNEAPOLIS MINNESOTA ST FALL MINNESOTA WHITE SANDS MS NEW MEXICO GREAT NECK NEW YORK SOUTHAMPTON PA WARMINSTER PA SALT LAKE CITY UTAH ALEXANDRIA VIRGINIA FAIRFAX VIRGINIA RESTON VIRGINIA	55,647 3,456 1,514 2,648 35 1,238 270 332 9,664 95 38,841 98 1,495 21 78 1,988 2,836		35 WILLIAMS RESEARCH CORP WALLED LAKE MICHIGAN	5 42,444 42,444
31	GRUPPAN AEROSPACE CORP BETHPAGE NEW YORK	54,450 54,450		48 LOCKHEED CORP BURBANK CALIFORNIA ONTARIO CALIFORNIA PALO ALTO CALIFORNIA SALGUS CALIFORNIA SUNNYVALE CALIFORNIA MARIETTA GEORGIA WARMINSTER PA MILL AFB UTAH	41,738 2,131 75 98 163 1,051 37,757 78 47
32	AEROCJET GENERAL CORP AZUSA CALIFORNIA CONNEY CALIFORNIA FULLERTON CALIFORNIA MIRBUS CALIFORNIA SACRAMENTO CALIFORNIA PANAMA CITY FLORIDA NEW ORLEANS LOUISIANA	52,182 19,751 7,272 1,526 465 19,815 1,371 1,984		41 E S L INC SUANYVALE GEORGIA SUANYVALE CALIFORNIA	40,402 455 39,944
33	F P C CORP SAN JOSE CALIFORNIA SANTA CLARA CALIFORNIA MINNEAPOLIS MINNESOTA	51,458 48,967 775 1,716		42 HARRIS CORP FORT WALTON BE FLORIDA PELICURNE FLORIDA PALM BEACH FLORIDA ROCHESTER NEW YORK SYCESET NEW YORK	36,758 275 14,702 21,666 11 98
34	MOTOROLA INC SCOTTSDALE ARIZONA TEPFE ARIZONA CHINA LAKE CALIFORNIA	50,643 24,516 18,075 52		43 SINGER CO WILLIAMS AFB ARIZONA GLENDALE CALIFORNIA SUNNYVALE CALIFORNIA FAIRFIELD NEW JERSEY LITTLE FALLS NEW JERSEY WAYNE NEW JERSEY BINGHAMTON NEW YORK STATE COLLEGE PA HOUSTON TEXAS	36,028 54 24,518 46 10 1,253 1,416 7,112 58 11
35	AVCC CORP STRATFORD CONN EVERETT MASS LOWELL MASS MILYINGTON MASS	46,761 5,683 847 686 39,865		44 WESTERN ELECTRIC CO INC VANDENBERG AFB CALIFORNIA WHIPPANY NEW JERSEY BURLINGTON NCAR GREENSBORO NCAR WINSTON SALEM NCAR	35,610 7,577 19,432 410 2,973 6,278
36	AUTOPATION INDUSTRIES INC EGLIN AFB FLORIDA SILVER SPRING MARYLAND	45,185 19,247 25,438		45 TIMONOL CORP MUNTSVILLE ALABAMA ELKTON MARYLAND BRIGHAM CITY UTAH LOGAN UTAH	32,682 4,722 2,667 27,110 151
37	ROME INDUSTRIES INC CHULA VISTA CALIFORNIA MOUNTAIN VIEW CALIFORNIA PATHFENT RIVER MARYLAND	44,687 29,447 28 5,280		46 LITTON SYSTEMS INC SAN CARLOS CALIFORNIA SUNNYVALE CALIFORNIA VAN NUYS CALIFORNIA WOODLAND HILLS CALIFORNIA COLLEGE PARK MARYLAND PASCAGOILLA MISS MORRIS PLAINS NEW JERSEY MELVILLE NEW YORK	32,262 1,254 167 21,626 7,759 1,677 77 107 3,188

* = MINUS AMOUNT CANCELLATIONS EXCEED NEW AWARDS
S = SMALL BUSINESS

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
	LITTON SYSTEMS INC				
	DALLAS TEXAS	20	56	GENERAL MOTORS CORP	22,584 *
	BLACKSBURG VIRGINIA	31		COLETA CALIFORNIA	5,232
	SPRINGFIELD VIRGINIA	85		INDIANAPOLIS INDIANA	17,504
47	R C P CORP	21,611 *		SPEEDWAY INDIANA	456
	MUNTSVILLE ALABAMA	162		DETROIT MICHIGAN	68
	MONTREY CALIFORNIA	124		WARREN MICHIGAN	23
	FORT WACK KENTUCKY	84	58	CUTLER WAMNER INC	22,924 *
	ALBUQUERQUE NEW MEXICO	7,676		DEER PARK NEW YORK	21,700
	KIRTLAND AFB NEW MEXICO	2,121		PARKINGCALE NEW YORK	65
	WRIGHT PATTERS CT-10	1,449		MELVILLE NEW YORK	1,177
	MCLEAN VIRGINIA	19,428	59	KENTRON HAWAII LTD	22,624 *
	NORFOLK VIRGINIA	106		EDWARDS AFB CALIFORNIA	16,664
	VIENNA VIRGINIA	569		MILL AFB LTAN	5,351
48	GLOBAL ASSOCIATES	31,386 *			489
	T T PAC IS	31,386	60	BENDIX CORP	21,979 *
49	EMERSON ELECTRIC CO	38,156 *		NORTH HOLLYWOOD CALIFORNIA	6,849
	CALAPASAS CALIFORNIA	294		SYLMAR CALIFORNIA	122
	OCEANSIDE CALIFORNIA	12		FORT LAUDERDAL FLORIDA	28
	CASSELBERRY FLORIDA	84		PISKAWAKA INDIANA	187
	ST LOUIS MISSOURI	29,766		DAVENPORT IOWA	54
50	TELECYNE INDUSTRIES INC	27,131 *		BALTIMORE MARYLAND	7,912
	COSTA MESA CALIFORNIA	1,178		COLUMBIA MARYLAND	130
	NORTHridge CALIFORNIA	17		YONSON MARYLAND	6,221
	SAN DIEGO CALIFORNIA	17,661		ANN ARBOR MICHIGAN	174
	MUSHEGON MICHIGAN	2,823		SOLTYMFIELD MICHIGAN	281
	WHITE SANDS MS NEW MEXICO	1,146		EATONTOWN NEW JERSEY	76
	GARLAND TEXAS	1,942		TETERBORO NEW JERSEY	124
	HILL AFB UTAH	68		SIENEN NEW YORK	40
	ALEXANDRIA VIRGINIA	2,316	61	SYSTEM DEVELOPMENT CORP	21,212 *
51	COMPUTER SCIENCES CORP	26,938 *		MUNTSVILLE ALABAMA	7,856
	MUNTSVILLE ALABAMA	4,244		HOFFETT FIELD CALIFORNIA	4,449
	DEL PAR CALIFORNIA	91		SANTA MONICA CALIFORNIA	7,218
	REDWOOD BEACH CALIFORNIA	782		SUNNYVALE CALIFORNIA	123
	SAN DIEGO CALIFORNIA	1,803		EATONTOWN NEW JERSEY	132
	FORT WALTON BE CALIFORNIA	538		FORT MONMOUTH NEW JERSEY	526
	SILVER SPRING MARYLAND	127		WEST LONG BRAN NEW JERSEY	463
	BEDFORD MASS	1,896		DAYTON OHIO	877
	FORT MONMOUTH NEW JERSEY	2,986		MCLEAN VIRGINIA	3,528
	ROCHESTER NEW JERSEY	3,148	62	CONTROL DATA CORP	18,882 *
	ALBUQUERQUE NEW MEXICO	181		MUNTSVILLE T T PAC IS	1,988
	KIRTLAND AFB NEW MEXICO	60		MONTREY ALABAMA	34
	MUNTINGTON PA	882		SAN DIEGO CALIFORNIA	122
	FALLS CHURCH VIRGINIA	12,988		ROCKVILLE CALIFORNIA	359
52	TEXTAFON INC	24,558 *		ARLEN HILLS MARYLAND	124
	DEL PAR CALIFORNIA	66		MINNEAPOLIS MINNESOTA	177
	PACIFICA CALIFORNIA	10		FORT MONMOUTH NEW JERSEY	15,547
	CHEMURE COGN	2,455		ARLINGTON NEW JERSEY	456
	WATERBURY COGN	26		VIRGINIA	55
	EGLIN AFB FLORIDA	494	64	TELECYNE BROWN ENGINEERING	15,957 *
	PANAMA CITY FLORIDA	4,781		MUNTSVILLE ALABAMA	15,435
	NEW ORLEANS LOUISIANA	551		COSTA MESA CALIFORNIA	288
	SUFFALD NEW YORK	768		FORT WALTON BE FLORIDA	318
	WHEATFLD NEW YORK	4,880		COLLEGE PARK MARYLAND	28
	FORT WORTH TEXAS	11,782		SILVER SPRING MARYLAND	28
	MURST TEXAS	85	65	R E C ASSOCIATES	15,518 *
53	PERCLES INC	24,985 *		LOS ANGELES CALIFORNIA	125
	WILMINGTON DELAWARE	39		MARINA DEL REY CALIFORNIA	12,896
	FORT WALTON BE FLORIDA	381		KIRTLAND AFB NEW MEXICO	1,890
	MCGREGOR TEXAS	258		ARLINGTON VIRGINIA	1,110
	BAGGINS UTAH	85	66	GARRETT CORP	15,248 *
	HAGNA UTAH	28,888		PHOENIX ARIZONA	7,749
	ROCKET CENTER NVA	3,822		LOS ANGELES CALIFORNIA	323
				TORRANCE CALIFORNIA	7,153
				DEL PAR NEW JERSEY	71

* = TOTAL AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
66	SANDERS ASSOCIATES INC MANCHESTER NH HERRIMACK NH NASHUA NH	15,128 * 97 1,929 13,894		LOGICOM INC WRIGHT PATTERS OHIO	3,059
71	BCEING VERTCL CO PHILADELPHIA PA RIDLEY PA RIDLEY PARK PA	14,678 * 2,894 489 11,287	29	ECC CORP COLLEGE POINT NEW YORK	11,355 * 11,355
73	FAIFCHILD INDUSTRIES INC MANHATTAN BEAC CALIFORNIA GERMANTON MARYLAND FARMINGDALE NEW YORK SYOSSET NEW YORK	14,588 * 95 2,852 12,212 141	60	GENERAL RESEARCH CORP MUNTSVILLE ALABAMA SANTA BARBARA CALIFORNIA WASHINGTON DC FORT WALTON BE FLORIDA MCLEAN VIRGINIA	11,164 * 2,677 6,532 168 119 1,616
74	DYNALLECTRON CORP ALBUQUERQUE NEW MEXICO MCELLOMAN AFB NEW MEXICO KIPPLAND AFB NEW MEXICO WRIGHT PATTERS OHIO	14,328 * 888 4,888 8,279 433	52	ITEK CORP CARLSBAD CALIFORNIA SUNNYVALE CALIFORNIA LEXINGTON MASS	10,433 * 18 820 9,595
75	CALSAN CORP BUFFALO NEW YORK WRIGHT PATTERS OHIO	14,228 * 6,658 5,562	53	PLANNING RESEARCH CORP CAMP PENLETON CALIFORNIA BEGFORD MASS OFFUTT AFB NEBRASKA FORT MONMOUTH NEW JERSEY WRIGHT PATTERS OHIO SAN ANTONIO TEXAS MCLEAN VIRGINIA	10,146 * 150 1,264 210 4,135 866 160 2,559
79	SYSTEMS RESEARCH LABORATORIES INC CASTLE AFB CALIFORNIA GRIFFISS AFB NEW YORK DAYTON OHIO WRIGHT PATTERS OHIO NEWPORT NEWS VIRGINIA	12,438 * 161 1,357 3,788 6,974 118	54	EUNKER & MO CO WESTLAKE VILLA CALIFORNIA DANBURY CONN EGLIN AFB FLORIDA GRIFFISS AFB NEW YORK	10,326 * 9,647 44 100 35
80	AVCC ENERGY RESEARCH LABORATORY HAWAII HAWAII EVELETT MASS	12,414 * 4,765 7,649	95	BCCZ ALLEN & HAMILTON INC SAN DIEGO CALIFORNIA WASHINGTON DC FORT WALTON BE FLORIDA PETWESCA MARYLAND HANSCCP AFB TEXAS NEW SHREWSBURY NEW JERSEY	9,662 * 350 278 75 6,658 673 1,754
81	GOLLE INC EL MONTE CALIFORNIA OXNARD CALIFORNIA ROLLING MEADOWS ILLINOIS GLEN PURNIE MARYLAND CLEVELAND OHIO	12,045 * 93 56 85 10,448 1,371	66	SECCO SYSTEMS INC FARMINGDALE NEW YORK MELVILLE NEW YORK	5 6,476 46 9,357
82	GOODYEAR AEROSPACE CORP LITCHFIELD PARK ARIZONA FORT WAYNE INDIANA AKRON OHIO FORT BELVOIR VIRGINIA	11,977 * 5,989 22 6,311 95	98	ANALYTIC SCIENCES CORP REACING MASS ARLINGTON VIRGINIA	5 6,260 5,129 141
83	A F I CORP AREDEEN PROV MARYLAND BALTIMORE MARYLAND COCKEYSVILLE MARYLAND	11,985 * 58 981 10,946	99	I T T GILFILLAN INC VAN NUYS CALIFORNIA	6,269 * 5,289
84	HAZELTINE CORP AVON MASS DRAINFREE MASS GREENLAWN NEW YORK	11,980 * 3,453 889 7,958	100	PHYSICS INTERNATIONAL CO SAN LEANRO CALIFORNIA	6,199 * 6,199
86	H F P SINGER INC WRIGHT PATTERS OHIO STATE COLLEGE PA	11,612 * 360 11,252	101	PAGNAVOX GOVT & INDUSTRIAL ELEC CO TORRANCE CALIFORNIA FORT WAYNE INDIANA PANAMA NEW JERSEY MCNTVLE NEW JERSEY PHILADELPHIA PA	4,652 * 4,652 1,770 2,422 122 26
87	HOLT HERBNER & NEWMAN INC CANOGA PARK CALIFORNIA CAMBRIDGE MASS ARLINGTON VIRGINIA	11,452 * 185 11,286 181	103	JAYCOR DEL MAR CALIFORNIA WASHINGTON DC ALEXANDRIA VIRGINIA	5 4,612 645 2,759
88	LOGICOM INC SAN DIEGO CALIFORNIA SAN PLERO CALIFORNIA YORBALENDE CALIFORNIA MANSCOM AFB MASS LEXINGTON MASS	11,381 * 2,997 4,495 627 226 77	104	ARES INC PORT CLINTON OHIO	5 4,612 * 4,612

* = MINUS AMOUNT CANCELLATIONS EXCEED NEW AWARDS
S = SMALL BUSINESS

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PAID	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS		
116	CAPESELL ALLEN M YUMA WINTLAND AFB	ARIZONA NEW MEXICO	8,246 * 1,723 6,523	PERKIN ELMER CORP SILVER SPRING NEPTUNE CITY KIRTLAND AFB	MARYLAND NEW JERSEY NEW MEXICO	64 16 22	
118	TECHNOLOGY SERVICE CORP SANTA MONICA SILVER SPRING	CALIFORNIA CALIFORNIA	8,173 * 8,143 30	123	STANFORD TELECOMMUNICATIONS INC MOUNTAIN VIEW PLEASANTON SUNNYVALE	CALIFORNIA CALIFORNIA CALIFORNIA CALIFORNIA	S 6,723 * 222 212 6,268
119	I T T & WESTINGHOUSE JV MUTLEY	NEW JERSEY	8,136 * 8,136	124	E SYSTEMS INC ST PETERSBURG DALLAS GARLAND GREENVILLE FALLS CHURCH NORFOLK	FLORIDA TEXAS TEXAS TEXAS VIRGINIA VIRGINIA	6,752 * 2,764 1-6 88 517 1,727 449
110	MAGNAVOX CO TORRANCE FORT WAYNE MAYWOOD PHILADELPHIA	CALIFORNIA INDIANA NEW JERSEY PA	8,046 * 5,877 2,381 36 572	125	AMERICAN ELECTRONIC LABS INC FORT MONMOUTH HALL TOWNSHIP COLMAR LANSDALE MONTGOMERYVILLE	NEW JERSEY NEW JERSEY PA PA PA	6,722 * 55 108 3,418 972 2,156
111	LOCAL CORP YONKERS	NEW YORK	8,024 * 8,024	126	CURTISS WRIGHT CORP WOOD RIDGE	NEW JERSEY	6,644 * 6,644
112	SANCERS ASSOCS & MATHROP CORP JV HASBUA	MASSACHUSETTS	8,023 * 8,023	127	LOCKHEED SHIPBUILDING CONSTRUCTION SEATTLE	WASHINGTON	6,626 * 6,629
113	INTERSTATE ELECTRONICS CORP ANAPHEIN HARRINGTON	CALIFORNIA PA	7,959 * 7,944 19	128	SYSTEMS SCIENCE & SOFTWARE MAYNARD LA JOLLA SAN DIEGO RESTON	CALIFORNIA CALIFORNIA CALIFORNIA VIRGINIA	S 6,405 * 47 4,599 1,628 85
114	SYSTEM PLANNING CORP MUNTSVILLE ARLINGTON	ALABAMA VIRGINIA	7,846 * 125 7,721	130	FLIGHT SYSTEMS INC MCJAVE NEWPORT BEACH WHITE SANDS MS ARLINGTON	CALIFORNIA CALIFORNIA NEW MEXICO VIRGINIA	S 6,225 * 2,740 2,722 1,022 128
115	GEING AEROSPACE CO MUNTSVILLE SUNNYVALE HOUSTON KENT SEATTLE	ALABAMA CALIFORNIA TEXAS WASHINGTON WASHINGTON	7,793 * 80 690 16 67 6,968	132	SOFTTECH INC TORRANCE WALTHAM GRIFFISS AFB WRIGHT PATTERS	CALIFORNIA MASS NEW YORK OHIO	S 6,111 * 59 4,661 265 1,166
116	WATMELL LABORATORIES INC LOS ANGELES SAN DIEGO ALBUQUERQUE KIRTLAND AFB	CALIFORNIA CALIFORNIA NEW MEXICO NEW MEXICO	7,732 * 27 7,112 390 248	133	PARSONS PALMER CO INC PASADENA	CALIFORNIA	5,932 * 5,932
117	MISSION RESEARCH CORP LA JOLLA SAN DIEGO SANTA BARBARA ALBUQUERQUE KIRTLAND AFB	CALIFORNIA CALIFORNIA CALIFORNIA NEW MEXICO NEW MEXICO	7,732 * 247 859 4,175 2,854 357	134	NEWPORT NEWS SHIPBLD & DRY DOCK CO NEWPORT NEWS	VIRGINIA	5,912 * 5,913
118	KAPPA SCIENCES CORP COLORADO SPRGS BURLINGTON	COLORADO MASS	7,468 * 6,845 615	136	STEARNS ROGER INC VANDENBERG AFB CAPE CANAVERAL	CALIFORNIA FLORIDA	5,568 * 5,228 388
119	METRIC SYSTEMS CORP FORT WALTON BE	FLORIDA	7,192 * 7,192	138	PAPOURDIT CO VAN NUYS	CALIFORNIA	5,572 * 5,572
120	TELECYNE C A E TOLEDO	OHIO	7,080 * 7,080	140	TRACOR INC NEW LONDON PORT EVERGLADE ROCKVILLE AUSTIN ARLINGTON MIDDLETON	CONN FLORIDA MARYLAND TEXAS VIRGINIA WISCONSIN	5,422 * 38 475 270 3,867 420 11
121	SYSTEMS CONSULTANTS INC WASHINGTON DAYTON NEWPORT ARLINGTON ROSELVA	DC OHIO RI VIRGINIA VIRGINIA	6,925 * 5,726 211 688 186 124				
122	PERKIN ELMER CORP COSTA MESA POMONA SOUTH PASADENA DANFURY NORWALK WILTON	CALIFORNIA CALIFORNIA CALIFORNIA CONN CONN CONN	6,838 * 15 32 17 38 3,889 3,884				

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
142	PCTCPAG RESEARCH INC WASHINGTON DC PANAMA CITY FLORIDA ALEXANDRIA VIRGINIA BAILEYS CROSS VIRGINIA MCLEAN VIRGINIA WARRENTON VIRGINIA	S 5,489 154 28 58 1,428 3,747 18	144	PACCAR INC RENTON WASHINGTON	4,037 4,037
143	CINCINNATI ELECTRONICS CORP WHITE SANDS P5 NEW MEXICO CINCINNATI OHIO	5,298 88 5,230	145	PATTERN ANALYSIS & RECOGNITION CO ROPE NEW YORK	S 3,953 3,953
144	CUREC CORP SAN DIEGO CALIFORNIA	5,288 5,289	146	ANALYTICS INC HANSCOM AFB MASS NEW SMRENSBURY NEW JERSEY WILLOW GROVE PA MCLEAN VIRGINIA	S 3,977 236 507 2,377 857
147	XEROX CORP PALO ALTO CALIFORNIA PASADENA CALIFORNIA	5,088 85 5,023	147	SYSTEMS CONTROL INC PALO ALTO CALIFORNIA	S 3,934 3,934
148	WESTERN STAR CORP CITY OF INDIANAPOLIS INDIANA	5,082 52 4,998	148	ATLANTIC RESEARCH CORP ROPE NEW YORK ALEXANDRIA VIRGINIA GAINESVILLE VIRGINIA	3,922 752 1,916 1,248
149	E E & G INC ROCKVILLE MARYLAND SALFORD MASS ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	5,078 4,865 234 748 11	149	LEAR SIEGLER INC SANTA MONICA CALIFORNIA EGLIN AFB FLORIDA GRAND RAPIDS MICHIGAN MAPLE HEIGHTS OHIO	3,858 611 1,234 1,715 344
150	HENNINGSTON DUNHAM RICHARDSON SANTA BARBARA CALIFORNIA	5,069 5,069	150	FAIRCHILD CAMERA & INSTRUMENT CORP MOUNTAIN VIEW CALIFORNIA PALO ALTO CALIFORNIA SYOSSET NEW YORK	3,844 51 48 3,713
151	FUERZ NATIONAL INC LONG BEACH CALIFORNIA	S 5,029 5,029	151	STENCEL AERO ENGINEERING CORP ASHEVILLE NCAR	3,752 3,752
152	MORDEN SYSTEMS INC MORRIS PLAIN NEW YORK	4,936 3,117 1,799	152	BRUNSWICK CORP COSTA MESA CALIFORNIA DE LAND FLORIDA LINCOLN ABERDEEN MICHIGAN MILLARD OHIO MARION VIRGINIA	3,771 1,816 1,132 261 61 411
153	BENCIX FIFLE ENGINEERING CORP COLLEGE PARK MARYLAND MERCURY NEVADA	4,989 3,974 939	153	COPMANT CONTROL & COMPLICATION REGSTONE ARSEN ALABAMA LOPITA CALIFORNIA PORT PONAPOUTH NEW JERSEY	S 3,569 42 3,200 321
154	VARIAN ASSOCIATES PALO ALTO CALIFORNIA CHEVERLY MARYLAND MERRIFIELD MASS SALT LAKE CITY UTAH	4,866 4,377 75 316 10	154	BUERBACH ASSOCIATES INC PHILADELPHIA PA ARLINGTON VIRGINIA	S 3,556 25 3,534
155	T R & COLORADO ELECTRONICS INC COLORADO SPRINGS COLORADO	4,864 4,864	155	LITTON INDUSTRIES INC SAN CARLOS CALIFORNIA VAN NUYS CALIFORNIA WOODBINE HILLS CALIFORNIA COLLEGE PARK MARYLAND PASCAGOULA MISS MORRIS PLAINS NEW JERSEY	3,263 765 1,110 84 228 520 224
156	ANALYTICAL SYSTEMS ENGR CORP BEDFORD MASS BURLINGTON MASS	S 4,858 1,638 3,220	156	LINKBIT CORP SAN DIEGO CALIFORNIA	S 3,168 3,168
157	ARINC RESEARCH CORP SAN DIEGO CALIFORNIA SANTA ANA CALIFORNIA ANNAPOLIS MARYLAND	4,632 825 1,169 2,628	157	KURAS ALTERMAN CORP FAIRFIELD NEW JERSEY WAYNE NEW JERSEY ARLINGTON VIRGINIA	3,360 952 2,266 122
158	CHAMBERLAIN MFG CORP WATERLOO IOWA NEW BEDFORD MASS	4,274 4,281 73	158	INTERNATIONAL LASER SYSTEMS INC ORLANDO FLORIDA KIRTLAND AFB NEW MEXICO	3,317 2,285 1,412
159	PNEUPO CORP KALAMAZOO MICHIGAN	4,182 4,182			
160	ENSCC INC INDIAN HARROLD FLORIDA NORFOLK VIRGINIA SPRINGFIELD VIRGINIA	S 4,156 598 75 3,491			

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
181	VARO INC GARLAND TEXAS	3,322 * 3,322	205	SARGAMO WESTON INC SARASOTA FLORIDA	2,633 * 2,633
183	JAPAN AEROSPACE CORP WILMINGTON CONN	3,201 * 3,201	206	CAPTECH INC SIERRA MADRE CALIFORNIA	2,612 * 2,612
184	BURROUGHS CORP TORRANCE CALIFORNIA MECHANICSBURG PA PAOLI PA	3,200 * 200 10 2,990	207	C R I INC WASHINGTON DC SILVER SPRING MARYLAND	2,578 * 78 2,500
186	DYNAMICS RESEARCH CORP WILMINGTON MASS	3,099 * 3,099	208	INTERMETRICS INC LONG BEACH CALIFORNIA CAMBRIDGE MASS WRIGHT PATTERS OHIO WARRINSTER PA	2,568 * 300 1,650 400 30
188	GUEST RESEARCH CORP MCLEAN VIRGINIA	3,054 * 3,054	209	WHITTAKER CORP CHATSWORTH CALIFORNIA NORTH HOLLYWOOD CALIFORNIA	2,463 * 2,378 65
189	INTERNATIONAL HARVESTER CO SAN DIEGO CALIFORNIA MINDSBALE ILLINOIS	2,947 * 2,862 85	210	EASTMAN KODAK CO NEW YORK NEW YORK ROCHESTER NEW YORK	2,445 * 200 2,117
190	COMPUTER CORP OF AMERICA CAMBRIDGE MASS ARLINGTON VIRGINIA	2,941 * 1,845 1,096	212	HUGHES RESEARCH LABORATORIES PALMDALE CALIFORNIA	2,395 * 2,309
191	PACIFIC SIERRA RESEARCH CORP SANTA MONICA CALIFORNIA DAYTON OHIO	2,923 * 2,899 25	213	SEPCOR INC MOORESTOWN NEW JERSEY	2,381 * 2,381
192	C R A SYSTEMS INC INDIALANTIC FLORIDA MELBOURNE FLORIDA	2,920 * 100 2,792	214	BALL BROS RESEARCH CORP BOULDER COLORADO	2,290 * 2,290
193	CACHE CORP DORAVILLE GEORGIA	2,913 * 2,913	217	EFFECTS TECHNOLOGY INC SANTA BARBARA CALIFORNIA	2,223 * 2,223
194	LITTLE ARTHUR D INC CAMBRIDGE MASS NEW ORY LA	2,897 * 2,804 93	218	B C R SERVICES CO FORT ORD CALIFORNIA STOCKBRIDGE NEW YORK WRIGHT PATTERS OHIO MCLEAN VIRGINIA	2,221 * 60 10 12 2,153
195	LOCKHEED ELECTRONICS CO INC PLAINFIELD NEW JERSEY	2,892 * 2,892	220	DYNETICS INC HUNTSVILLE ALABAMA	2,219 * 2,219
196	ADVANCED TECHNOLOGY INC SAN DIEGO CALIFORNIA MCLEAN VIRGINIA	2,848 * 30 2,810	221	HYDRONAUTICS INC LAUREL MARYLAND	2,125 * 2,125
197	PRESEARCH INC PANAMA CITY FLORIDA ARLINGTON VIRGINIA	2,823 * 84 2,739	222	ARGO SYSTEMS INC PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA	2,124 * 1,139 985
198	PROTOTYPE DEVELOPMENT INC SANTA ANA CALIFORNIA	2,780 * 2,780	224	SYSTEMATICS GENERAL CORP FALLS CHURCH VIRGINIA	2,102 * 2,102
199	LITREP TECHNOLOGY ROCKVILLE MARYLAND	2,727 * 2,737	226	PERCEPTIONICS INC WOODLAND HILLS CALIFORNIA	2,054 * 2,054
200	TETRA TECH INC POPPETT FIELD CALIFORNIA PASADENA CALIFORNIA SAN DIEGO CALIFORNIA ARLINGTON VIRGINIA	2,732 * 17 416 790 1,501	228	SIMULATION TECHNOLOGY INC DAYTON OHIO ANTIOCH TENNESSEE	2,015 * 1,969 46
203	ACUREX CORP MONROVIA CALIFORNIA MOUNTAIN VIEW CALIFORNIA DAYTON OHIO WRIGHT PATTERS OHIO	2,680 * 147 2,201 129 97	231	ELECTRO SPACE SYSTEMS INC RICHARDSON TEXAS	2,000 * 2,000
204	BOCZ ALLEN APPLIED RESEARCH INC SAN DIEGO CALIFORNIA FORT WALTON BE FLORIDA BETHESDA MARYLAND	2,641 * 80 96 2,457	232	ANALYSIS & TECHNOLOGY INC GROTON CONN STONINGTON CONN WORFOLK VIRGINIA VIRGINIA BEACH VIRGINIA	1,990 * 84 1,702 109 26

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
238	MAN TECH CORP PATUMENT RIVER MARYLAND ROCKVILLE MARYLAND LIVINGSTON NEW JERSEY WRIGHT PATTERS OHIO ALEXANDRIA VIRGINIA ARLINGTON VIRGINIA NORFOLK VIRGINIA	S 1,927 125 732 346 70 40 529 77	262	DECISIONS & DESIGNS INC MCLEAN VIRGINIA	S 1,606 1,606
239	FALCON RESEARCH & DEVELOPMENT CO DENVER COLORADO BALTIPORE MARYLAND BUFFALO NEW YORK	1,920 634 1,240 20	263	WEIDLINGER ASSOCIATES CONSULT ENGR MENLO PARK CALIFORNIA NEW YORK NEW YORK	S 1,584 360 1,224
240	KETRON INC WAYNE PA ARLINGTON VIRGINIA	S 1,919 775 1,140	264	ONEWOOD INDUSTRIES INC WESTWOOD CALIFORNIA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	S 1,576 530 389 725
241	EDUCATIONAL COMPUTER CORP ORLANDO FLORIDA	S 1,911 1,911	265	ULTRASYSYEMS INC IRVINE CALIFORNIA NORTON AFB CALIFORNIA	S 1,569 682 627
242	ELECTROSPACE SYSTEMS INC RIC ARDSCM TEXAS ARLINGTON VIRGINIA	S 1,911 1,097 14	266	BELL & HOWELL CO PASADENA CALIFORNIA CHICAGO ILLINOIS	1,547 1,140 399
243	VECA INC CAMARILLO CALIFORNIA SAN DIEGO CALIFORNIA SOUTHAMPTON PA ARLINGTON VIRGINIA	S 1,905 112 571 27 1,195	267	VECTOR RESEARCH INC ANN ARBOR MICHIGAN	S 1,530 1,520
244	VALUE ENGINEERING CC SAN DIEGO CALIFORNIA WEST LANE NEW JERSEY ALEXANDRIA VIRGINIA	1,898 22 10 1,896	270	ANALYSIS & COMPUTER SYSTEMS INC BEDFORD MASS BURLINGTON MASS	S 1,516 1,456 60
246	SCHAFFER & J ASSOCIATES INC PARPLEHEAD MASS WAKEFIELD MASS	S 1,876 492 1,364	272	ELECTRONIC COMMUNICATIONS INC ST PETERSBURG FLORIDA	1,456 1,456
247	FARANO DEVELOPMENT CORP GRAND JUNCTION COLORADO	S 1,828 1,828	275	TECHNOLOGY INC DAYTON OHIO BROOKS AFB TEXAS HOUSTON TEXAS SAN ANTONIO TEXAS	S 1,451 704 512 65 150
249	SPACE DATA CORP PHOENIX ARIZONA TEMPE ARIZONA	S 1,797 1,722 75	279	ASSURANCE TECHNOLOGY CORP CARLISLE MASS	S 1,420 1,420
251	SPARTON CORP JACKSON MICHIGAN	1,755 1,755	282	IONICS INC EL SEGUNDO CALIFORNIA LOS ANGELES CALIFORNIA VAN NUYS CALIFORNIA	S 1,411 913 237 261
253	MAR INC PANAMA CITY FLORIDA ROCKVILLE MARYLAND ARLINGTON VIRGINIA	S 1,750 105 1,490 75	283	SANTA BARBARA RESEARCH CENTER GOLETA CALIFORNIA	1,405 1,405
254	NICMELS RESEARCH CORP MUNTSVILLE ALABAMA	S 1,743 1,743	284	A L S ELECTRONICS CORP ANHEIM CALIFORNIA	1,354 1,354
256	AUSTIN RESEARCH ASSOCIATES AUSTIN TEXAS	S 1,728 1,728	285	PLANNING SYSTEMS INC MCLEAN VIRGINIA	S 1,350 1,350
257	CACI INC FEDERAL ARLINGTON VIRGINIA	S 1,719 1,719	286	ARETE ASSOCIATES INC SANTA MONICA CALIFORNIA	S 1,366 1,366
259	DIAGNOSTIC RETRIEVAL SYSTEMS INC MOUNT VERNON NEW YORK	S 1,698 1,698	288	TECHNOLOGY DEVELOPMENT CORP MUNTSVILLE ALABAMA ARLINGTON TEXAS	S 1,325 317 1,200
260	FIRESTONE TIRE & RUBBER CO AKRON OHIO	1,650 1,650	291	VISIOTVNE INC BURLINGTON MASS	S 1,265 1,265
			292	TELEDVNE INC NORTHRIEDE CALIFORNIA SAN DIEGO CALIFORNIA NASHUA NH	1,272 713 547 12
			293	AEROPET INC TULSA OKLAHOMA	S 1,267 1,267

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS		
254	MYCROSCIENCE INC FORT LAUDERDALE DALLAS	FLORIDA TEXAS	1,240 *	320	SPERRY FLIGHT SYSTEMS PHOENIX	ARIZONA	1,062 *
			947				1,062
			643				
256	FLINKBRAUCH PRODUCTS INC WIMBICHA RED LICH WIMISCH	NEW JERSEY PA PA	1,215 *	322	SIGNATRON INC LEXINGTON	MASS	1,052 *
			690				1,052
			422				
			29				
267	AERONAUTICAL RESEARCH ASSOCIATES PORT REPUBLIC PRINCETON	NEW JERSEY NEW JERSEY	1,203 *	323	ELECTRONIC WARFARE ASSOCIATES MCLEAN	VIRGINIA	1,046 *
			62				1,046
			1,141				
300	PHYSICAL SCIENCES CORP WAKEFIELD MOBURA	MASS MASS	1,100 *	324	DYNELL ELECTRONICS CORP MELVILLE	NEW YORK	1,036 *
			263				1,036
			925				705
301	P E SYSTEMS INC SAN DIEGO ALEXANDRIA	CALIFORNIA VIRGINIA	1,189 *				321
			430				
			755				
302	L T V CORP CAL AS	TEXAS	1,181 *	327	PHOTO SONICS INC BURBANK	CALIFORNIA	1,025 *
			1,181				1,025
303	CELEP SYSTEMS INC VIENNA	VIRGINIA	1,173 *	329	EMERSON & CUMMINS INC CANTON	MASS	1,020 *
			1,173				1,020
304	SYSTEMS ENGINEERING LABORATORIES WILLIAMS AFB FORT LAUDERDALE	ARIZONA FLORIDA	1,149 *	330	KARAGZIAN & CASE STRUCTURAL ENGINEERS LOS ANGELES	CALIFORNIA	1,016 *
			1,131				1,016
			10				
306	E P F CORP SEATTLE	WASHINGTON	1,142 *	332	GEODYNAMICS CORP SANTA BARBARA TORRANCE	CALIFORNIA CALIFORNIA	963 *
			1,142				866
307	ENERGY RESEARCH CORP SEYMEL	CCAN	1,141 *				54
			1,141	334	ORLANDO TECHNOLOGY INC ORLANDO SMALINAR	FLORIDA FLORIDA	927 *
308	AEROCYNE RESEARCH INC REDFORD	MASS	1,139 *				826
			1,139				161
310	R H DYNAMICS INC GAITHERSBURG ROCKVILLE	MARYLAND MARYLAND	1,124 *	337	WAGNER DANIEL & ASSOCIATES INC PAOLI	PA	976 *
			90				976
			1,074	339	OPERATING SYSTEMS INC SAN DIEGO TARZANA WOODLAND HILLS	CALIFORNIA CALIFORNIA CALIFORNIA	973 *
311	SYNAPTIC SYSTEMS CORP FALLS CHURCH	VIRGINIA	1,117 *				53
			1,117				969
312	C A R INC NEEDHAM NEEDHAM HEIGHT	MASS MASS	1,109 *				391
			62	340	SCOPE ELECTRONICS INC RESTON	VIRGINIA	971 *
			1,027				971
313	PIPER TECHNOLOGY INC MAPLETON	UTAH	1,108 *	341	TECHAID INTERNATIONAL PANAMA	PANAMA	970 *
			1,108				970
			1,106	342	ADVANCED RESEARCH & APPL CORP SUNNYVALE	CALIFORNIA	965 *
314	CELESTRON CORP EL SEGUNDO SAN DIEGO	CALIFORNIA CALIFORNIA	1,105 *				965
			712	343	COTY ASSOCIATES ROCKVILLE	MARYLAND	964 *
			393				964
315	MORTONS TECHNOLOGY INC SAN DIEGO	CALIFORNIA	1,098 *	344	PEAT WARWICK MITCHELL & CO WASHINGTON CC	DC	963 *
			1,098				963
316	MYCOR INC MOBURA	MASS	1,090 *	346	P E ASSOCIATES SAN RANCHO	CALIFORNIA	957 *
			1,090				957
317	PACER SYSTEMS INC LOS ANGELES BURLINGTON FORT WASHINGTON	CALIFORNIA MASS PA	1,078 *	347	RETAC CORP ARLINGTON	VIRGINIA	955 *
			249				955
			292	348	ROME RESEARCH CORP GRIFFISS AFB ROME	NEW YORK NEW YORK	951 *
			949				863
318	MATKINS JONASON CO PALO ALTO GAITHERSBURG	CALIFORNIA MARYLAND	1,075 *				250
			867	349	I R T CORP SAN DIEGO	CALIFORNIA	948 *
			280				948
				352	CANYON RESEARCH GROUP INC WESTLAKE VILLA	CALIFORNIA	922 *
							922

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
354	WERNER CO WASHINGTON DC	911	384	APPLIED SCIENCE ASSOCIATES INC APEX VALENCIA NCAR PA	798
355	P & S COMPUTING INC MUNTSVILLE ALABAMA ALABAMA	900	385	SOUTHERN ELECTRICITY MUNTSVILLE ALABAMA	757
356	ORINCON CORP LA JOLLA CALIFORNIA	901	386	ESSEX CORP FORT HUACMUCA ARIZONA WHITE SANDS MS NEW MEXICO ALEXANDRIA VIRGINIA	796
357	BIOMETRICS INC GARLAND TEXAS	900	387	SYSTEMS PLANNING & ANALYSIS INC ARLINGTON VIRGINIA	795
358	POSEIDON RESEARCH LOS ANGELES CALIFORNIA SHERMAN OAKS CALIFORNIA	891	388	ATLANTIC ANALYSIS CORP NORFOLK VIRGINIA	786
360	RISI INDUSTRIES INC CHULA VISTA CALIFORNIA	879	389	KEYSOR CENTURY CORP FORT WASHINGTON PA	786
362	SONIC INSTRUMENTS INC CHICAGO ILLINOIS	872	394	IMAGE GRAPHICS INC FAIRFIELD CONN	781
364	SPIRE CORP REGIONS MASS	867	396	OCEAN DATA SYSTEMS INC ROCKVILLE MARYLAND	778
366	AIRSEARCH MFG CO OF ARIZONA PHOENIX ARIZONA	856	400	FEDERAL ELECTRIC CORP EDWARDS AFB CALIFORNIA GRIFFISS AFB NEW YORK	744
367	DIGITAL TECHNOLOGY INC CHAMPAIGN ILLINOIS	853	401	FIBER MATERIALS INC BIOCFORC PAINE	743
368	C T E C FALLS CHURCH VIRGINIA	851	402	CENTER FOR PLANNING & RESEARCH INC PALO ALTO CALIFORNIA	740
369	SPACE VECTOR CORP NORTHBRIDGE CALIFORNIA	850	404	ADVANCED DESIGN CORP ALEXANDRIA VIRGINIA	728
371	CHALCO ENGINEERING CORP EDWARDS AFB CALIFORNIA	845	405	DECISION SCIENCE APPLICATIONS INC ARLINGTON VIRGINIA	727
372	CALIFORNIA RESEARCH & TECHNOLOGY WOODLAND HILLS CALIFORNIA	843	406	ROSENBAUM HAROLD ASSOCIATES INC BURLINGTON MASS LEXINGTON MASS	727
373	NIELSEN ENGINEERING & RESEARCH CO MOUNTAIN VIEW CALIFORNIA	843	407	CATA BASE MANAGEMENT INC WASHINGTON DC	725
375	PROGRESS AEROSPACE ENTERPRISES INC PHILADELPHIA PA	840	409	STERLING WALTER V INC ORANGE CALIFORNIA	724
377	HERDAN GROUP SAN DIEGO CALIFORNIA	827	412	SYSTEMS & APPLIED SCIENCES CORP MONTEREY CALIFORNIA WASHINGTON DC RIVERDALE MARYLAND HANSCOM AFB MASS WRIGHT FATTERS OHIO	712
379	CUMMINS ENGINE CO INC COLUMBUS INDIANA	821	413	SYNECTICS CORP ROPE NEW YORK ALLISON PARK PA FAIRFAX VIRGINIA	707
380	PACIFICA TECHNOLOGY DEL MAR CALIFORNIA SAN DIEGO CALIFORNIA	817	414	VEGA PRECISION LABORATORIES INC VIENNA VIRGINIA	704
381	PHYSICAL DYNAMICS INC BERKELEY CALIFORNIA LA JOLLA CALIFORNIA	810	415	BREEC CORP FAIRFIELD NEW JERSEY	692
382	RAMCOMP INDUSTRIES INC FORT MONMOUTH NEW JERSEY	800			
383	SANTA FE CORP ALEXANDRIA VIRGINIA	799			

- = PINNAC AMOUNT (CANCELLATIONS EXCEED NET AWARDS)
S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
418	INTERNATIONAL COMPLYING CC BETHESDA MARYLAND WRIGHT PATTERS OHIO	672 126 538	445	ANALYTICAL ASSESSMENTS CORP MARINA DEL REY CALIFORNIA ARLINGTON VIRGINIA	529 540 49
419	NORTH AMERICAN PHILIPS CORP BRIARCLIFF MAN NEW YORK	678 678	446	GENERAL OFFSHORE CORP FORT LAUDERDAL FLORIDA KEY WEST FLORIDA	529 271 318
420	CONSOLIDATED ANALYSIS CENTER INC ARLINGTON VIRGINIA	683 683	448	SONALYSTS INC WATERFORD CONN	524 524
421	S T RESEARCH CORP SPRINGFIELD VIRGINIA	682 682	449	APPLICATION RESEARCH CORP SOUTHAMPTON PA	572 572
422	CLARK EQUIPMENT CO BENTON HARBOR MICHIGAN	656 656	450	AMERICAN STERILIZER CO ERIE PA	571 571
423	PASSACHUSETTS COMPLIER ASSOCIATES MASS	653 653	451	FREQUENCY & TIME SYSTEMS INC DANVERS MASS	566 566
424	DIGITAL EQUIPMENT CORP SAN DIEGO CALIFORNIA MARLBORO MASS NASHUA MASS NASHUA NH	644 240 25 284 95	452	NORTHERN RESEARCH & ENGR CORP CAMBRIDGE MASS	566 566
425	APPEX CORP REDWOOD CITY CALIFORNIA SUNNYVALE CALIFORNIA ELK GROVE VILL ILLINOIS	643 525 98 18	454	KAPPA SYSTEMS INC COLORADO SPGS COLORADO ARLINGTON VIRGINIA	568 374 236
426	ANALYTIC DISC PLINES INC MANASSAS VIRGINIA VIENNA VIRGINIA	641 412 229	455	O C S CORP ARLINGTON VIRGINIA	556 559
427	SPECTRA RESEARCH SYSTEMS INC IRVINE CALIFORNIA	638 638	456	SACHS FREEMAN ASSOCIATES INC WASHINGTON DC BLADERSBURG MARYLAND WYATTSVILLE MARYLAND	557 52 387 198
428	SYSTEM AUTOMATION CORP SILVER SPRING MARYLAND	638 638	457	PACIFIC ANALYSIS CORP HONOLULU CITY HAWAII	556 556
432	REN TECHNOLOGY INC MUNTSVILLE ALABAMA	628 628	458	JAMES RIVER GRAPHICS SOUTH WADLEY MASS	555 555
433	SYSTEMS TECHNOLOGY INC MANTHORNE CALIFORNIA	618 618	459	STEIN ASSOCIATES INC WALTHAM MASS	553 553
434	MYCCP INC IRVINE CALIFORNIA	617 617	460	SPRINGBORN LABORATORIES INC ENFIELD CONN	548 548
436	I L C DOVER PRECECICA DELAWARE	614 614	461	DATA GENERAL CORP OPPUTY APE NEBRASKA	546 546
437	PROBE SYSTEMS INC SUNNYVALE CALIFORNIA	612 612	463	HYCROACOUSTICS INC ROCHESTER NEW YORK	543 543
439	VEEDENBURG R H & CC ARLINGTON VIRGINIA MCLEAN VIRGINIA	610 128 482	464	SPEARS ASSOCIATES INC NESTON MASS	538 538
440	SIGNAL SCIENCE INC SANTA CLARA CALIFORNIA	609 609	465	E E I ELECTRONICS INC GARDEN ARKANSAS	527 527
442	COLUMBIA RESEARCH CORP ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	597 572 25	466	UNIDYNAMICS PHOENIX INC GOODYEAR ARIZONA PHOENIX ARIZONA	534 544 20
443	PARK RESOURCES INC MARINA DEL REY CALIFORNIA	597 597	467	AUTOMETRIC CORP ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	530 347 183
444	HEAD TECHNOLOGY LABORATORIES DAYTON OHIO WRIGHT PATTERS OHIO	597 233 384			

- * MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S * SMALL BUSINESS

SECTION II - NON-PROFIT INSTITUTIONS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
13	JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND SCAGGSVILLE MARYLAND	155,081 782 155,899	76	DAYTON UNIVERSITY OF EDWARDS AFB CALIFORNIA KIRTLAND AFB NEW MEXICO DAYTON OHIO WRIGHT PATTERS OHIO	13,566 185 5,309 5,720 4,642
16	MASSACHUSETTS INSTITUTE TECHNOLOGY BLACKSTONE MASS CAMBRIDGE MASS LEXINGTON MASS	123,724 58 11,948 111,728	77	CATTELLE MEMORIAL INSTITUTE MOUNTSVILLE ALABAMA REGSTONE ARSEN ALABAMA SAN DIEGO CALIFORNIA COPPERCITY COLORADO WASHINGTON DC EGGINS AFB FLORIDA ATLANTA GEORGIA ROCK ISLAND ILLINOIS ABERDEEN PROV MARYLAND NATICK MASS WALTHAM MASS WATERLOO MASS ST LOUIS MISSOURI DOVER NEW JERSEY FORT MONMOUTH NEW JERSEY WHITE SANDS MS NEW MEXICO DURHAM NCAR RALEIGH NCAR RESEARCH TRIAN NCAR COLUMBUS OHIO WRIGHT PATTERS OHIO BEAUMONT TEXAS ALEXANDRIA VIRGINIA ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA FORT BELVOIR VIRGINIA FORT EUSTIS VIRGINIA FORT POLK VIRGINIA RICHLAND WASHINGTON	13,204 186 271 414 11 59 11 27 75 164 288 26 21 17 28 212 133 164 310 14 18 9,476 103 14 13 16 48 31 101 51 479
17	AEROSPACE CORP EL SEGUNDO CALIFORNIA	121,887 121,887			
21	NITRE CORP BEDFORD MASS MCLEAN VIRGINIA	84,795 84,538 225			
25	CHARLES STARK DRAPER LABS INC CAMBRIDGE MASS	65,849 65,849			
54	CALIFORNIA UNIVERSITY OF MOUNT LEMMON ARIZONA BERKELEY CALIFORNIA DAVIS CALIFORNIA IRVINE CALIFORNIA LA JOLLA CALIFORNIA LOS ANGELES CALIFORNIA RIVERSIDE CALIFORNIA SAN DIEGO CALIFORNIA SAN FRANCISCO CALIFORNIA SANTA BARBARA CALIFORNIA SANTA CRUZ CALIFORNIA SEPULVEDA CALIFORNIA WRIGHT PATTERS OHIO	24,199 13 6,842 240 538 8,848 2,648 158 2,436 267 604 248 45 2,888			
55	S F I INTERNATIONAL MENLO PARK CALIFORNIA SAN FRANCISCO CALIFORNIA ARLINGTON VIRGINIA	24,154 23,737 298 119			
57	ILLINOIS INSTITUTE TECHNOLOGY CHICAGO ILLINOIS ANNAPOLIS MARYLAND GRIFFISS AFB NEW YORK ROPE NEW YORK DAYTON OHIO WRIGHT PATTERS OHIO	23,442 4,647 17,456 277 974 15 71	78	ROCHESTER UNIVERSITY OF ROCHESTER NEW YORK ARLINGTON VIRGINIA	12,842 6,999 5,846
63	UTAH UNIVERSITY OF SALT LAKE CITY UTAH	18,589 18,589	85	SOUTHERN CALIFORNIA UNIVERSITY OF LOS ANGELES CALIFORNIA MARINA DEL REY CALIFORNIA	11,872 11,964 8
66	RAND CORP SANTA MONICA CALIFORNIA	15,836 15,836	81	STANFORD UNIVERSITY MENLO PARK CALIFORNIA STANFORD CALIFORNIA	10,654 49 10,645
67	INSTITUTE FOR DEFENSE ANALYSIS ARLINGTON VIRGINIA	15,777 15,777	87	ALASKA UNIVERSITY OF FAIRBANKS CITY ALASKA	6,328 6,138
70	TEXAS UNIVERSITY OF FORT LAUDERDALE FLORIDA ARLINGTON TEXAS AUSTIN TEXAS DALLAS TEXAS EL PASO TEXAS GALVESTON TEXAS MOLSTON TEXAS RICHARDSON TEXAS	15,072 25 143 14,116 148 282 251 47 68	102	WASHINGTON UNIVERSITY OF ST LOUIS MISSOURI SEATTLE WASHINGTON	7,717 16 7,701
72	PENNSYLVANIA STATE UNIVERSITY STATE COLLEGE PA UNIVERSITY PARK PA	14,562 1,185 13,497	105	GEORGIA TECH RESEARCH INSTITUTE ATLANTA GEORGIA	7,360 7,360
			129	NEW MEXICO STATE UNIVERSITY YUMA ARIZONA LAS CRUCES NEW MEXICO WHITE SANDS MS NEW MEXICO	6,226 78 6,408 750
			131	WOODS HOLE OCEANOGRAPHIC INST WOODS HOLE MASS	6,121 6,121
			135	ANALYTIC SERVICES INC WRIGHT PATTERS OHIO WILLOW GROVE PA ARLINGTON VIRGINIA	7,806 667 245 4,890

- * MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

SECTION II - NON-PROFIT INSTITUTIONS

FISCAL YEAR 1979

Rank	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	Rank	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
137	ENVIRONMENTAL RESCH INST OF MICH ANN ARBOR MICHIGAN YPSILANTI MICHIGAN	5,591 5,833 598	225	BOSTON COLLEGE CHESTNUT HILL MASS MASSCOF AFB MASS WESTON MASS WESTON MASS	2,075 566 464 320 272
141	NEW MEXIC UNIVERSITY OF ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	5,428 1,931 3,497	226	SYRACUSE UNIVERSITY ROME NEW YORK SYRACUSE NEW YORK	2,065 146 1,919
145	SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO TEXAS	5,152 5,152	227	SOUTHERN RESEARCH INSTITUTE BIRMINGHAM ALABAMA	2,061 2,061
146	GEORGIA INSTITUTE TECH ATLANTA GEORGIA	5,127 5,127	233	LOGISTICS MANAGEMENT INSTITUTE WASHINGTON DC	1,968 1,968
158	CARNEGIE MELLON UNIVERSITY PITTSBURGH PA	4,536 4,536	234	PITTSBURGH UNIVERSITY OF PITTSBURGH PA	1,960 1,960
159	UTAH STATE UNIVERSITY LOGAN UTAH	4,299 4,299	235	YALE UNIVERSITY NEW HAVEN CONN	1,941 1,941
163	COLUMBIA UNIVERSITY NEW YORK NEW YORK PALISADES NEW YORK	4,052 3,412 148	236	WISCONSIN UNIVERSITY OF MADISON WISCONSIN MILWAUKEE WISCONSIN	1,931 1,027 44
173	ILLINOIS UNIVERSITY OF CHAMPAIGN ILLINOIS CHICAGO ILLINOIS URBANA ILLINOIS	3,727 179 811 2,727	245	PRINCETON UNIVERSITY PRINCETON NEW JERSEY	1,868 1,868
176	RIVERSIDE RESEARCH INSTITUTE NEW YORK NEW YORK	3,438 3,438	247	DENVER UNIVERSITY OF DENVER COLORADO	1,838 1,838
182	CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA CALIFORNIA	3,309 3,309	258	OKLAHOMA STATE UNIVERSITY OF EGLIN AFB FLORIDA STILLWATER OKLAHOMA	1,778 269 1,461
185	PENNSYLVANIA UNIVERSITY OF PHILADELPHIA PA	3,132 3,132	282	SALK INSTITUTE THE SMITHTOWN PA	1,751 1,751
187	ARIZONA UNIVERSITY OF IGLCO PARKS IZ TUCSON ALASKA ARIZONA	3,061 47 3,034	255	NEW YORK POLYTECHNIC INSTITUTE BROCKLYN NEW YORK FARMINGDALE NEW YORK NEW YORK NEW YORK	1,729 1,960 79 126
201	HAWAII UNIVERSITY OF MONOCLULU CITY HAWAII PEARL HARBOR HAWAII	2,726 2,686 40	258	NEW MEXICO INSTITUTE MINING & TECH SOCORRO NEW MEXICO	1,715 1,714
202	MIAMI UNIVERSITY OF CORAL GABLES FLORIDA GAINESVILLE FLORIDA MIAMI FLORIDA	2,677 2,287 182 288	261	OREGON STATE UNIVERSITY CORVALLIS OREGON	1,628 1,628
211	MARYLAND UNIVERSITY OF BALTIMORE MARYLAND COLLEGE PARK MARYLAND	2,328 655 1,673	287	WENTWORTH INSTITUTE BOSTON MASS	1,531 1,531
215	CORNELL UNIVERSITY ITHACA NEW YORK NEW YORK NEW YORK	2,258 2,091 167	264	CAPITOL FACIO ENGINEERING INST INC SILVER SPRING MARYLAND	1,526 1,526
216	MICHIGAN UNIVERSITY OF ANN ARBOR MICHIGAN	2,244 2,244	272	PURDUE RESEARCH FOUNDATION LAFAYETTE INDIANA WEST LAFAYETTE INDIANA	1,465 278 1,265
219	OHIO STATE UNIV RESEARCH FOUNDATION COLUMBUS OHIO	2,228 2,228	276	GEORGE WASHINGTON UNIVERSITY WASHINGTON DC	1,445 1,445
223	PALISADES GEOPHYSICAL INSTITUTE MIAMI FLORIDA GLAUVELT NEW YORK	2,187 996 495 696	277	NEW YORK STATE UNIV RESEARCH FOUND ALBANY NEW YORK STONY BROOK NEW YORK	1,428 1,277 191
			278	HARVARD UNIVERSITY CAMBRIDGE MASS	1,421 1,421

- * FIGS AMOUNT (CANCELLATIONS EXCEED NEW AMOUNT)

SECTION II - NON-PROFIT INSTITUTIONS
FISCAL YEAR 1979

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
280	HUMAN RESOURCES RESEARCH CRGN MONTEREY CALIFORNIA ALEXANDRIA VIRGINIA	1,417 * 990 75 792	353	FLORIDA STATE UNIVERSITY GAINESVILLE FLORIDA TALLAHASSEE FLORIDA	922 * 24 898
281	VIRGINIA POLYTECHNIC INSTITUTE BLAKSBURG VIRGINIA	1,417 * 1,417	359	NORTHWESTERN UNIVERSITY EVANSTON ILLINOIS	881 * 881
287	BOSTON UNIVERSITY BOSTON MASS	1,342 * 1,342	361	NEW YORK UNIVERSITY NEW YORK NEW YORK	876 * 876
289	SOUTHEASTERN CTR ELECT ENGR ECUC AUBURN ALABAMA ORLANDO FLORIDA WRIGHT PATTERS OHIO	1,305 * 485 464 486	363	LEHIGH UNIVERSITY BETHLEHEM PA	870 * 870
290	SYRACUSE UNIVERSITY RESEARCH CORP SYRACUSE NEW YORK	1,304 * 1,304	365	AUBURN UNIVERSITY AUBURN ALABAMA	862 * 862
295	IOWA UNIVERSITY OF AMES IOWA IOWA CITY IOWA	1,222 * 182 1,050	370	COLORADO STATE UNIVERSITY FORT COLLINS COLORADO	846 * 846
299	RHODE ISLAND UNIVERSITY OF KINGSTON RI	1,196 * 1,196	374	SYRACUSE RESEARCH CORP SYRACUSE NEW YORK	843 * 843
299	RESEARCH TRIANGLE INSTITUTE RESEARCH TRIAN NCAR	1,193 * 1,193	376	CINCINNATI UNIVERSITY OF CINCINNATI OHIO WRIGHT PATTERS OHIO	832 * 427 765
309	NATIONAL CNCL SOVIET & EUROPE RESCN CAMBRIDGE MASS	1,125 * 1,125	378	GEOPHYSICAL INSTITUTE OF ALASKA FAIRBANKS CITY ALASKA	823 * 823
319	COLORADO UNIVERSITY BOULDER COLORADO DENVER COLORADO	1,071 * 957 114	388	FLORIDA TECHNOLOGICAL UNIVERSITY ORLANDO FLORIDA	791 * 791
321	TENNESSEE UNIVERSITY OF GOLETA CALIFORNIA MEMPHIS TENNESSEE TULLAMOMA TENNESSEE	1,059 * 33 650 48 326	389	DURHAM UNIVERSITY DURHAM NCAR	788 * 788
326	STEVENS INSTITUTE OF TECHNOLOGY HOBOKEN NEW JERSEY	1,026 * 1,026	393	CATHOLIC UNIVERSITY OF AMERICA WASHINGTON DC	781 * 781
326	REASSELAE POLYTECHNIC INSTITUTE TROY NEW YORK	1,020 * 1,020	395	TEXAS A & M UNIVERSITY COLLEGE STATIO TEXAS	777 * 777
331	MASSACHUSETTS UNIVERSITY OF AMHERST MASS WORCESTER MASS	1,004 * 843 161	397	ALABAMA UNIVERSITY OF BIRMINGHAM ALABAMA MUNTSVILLE ALABAMA MUNTSVILLE ALABAMA	766 * 441 181 227
331	CASE WESTERN RESERVE UNIVERSITY CLEVELAND OHIO	991 * 991	398	WAYNE STATE UNIVERSITY DETROIT MICHIGAN	751 * 751
335	LOUISIANA STATE UNIVERSITY OF BATON ROUGE LOUISIANA NEW ORLEANS LOUISIANA	983 * 918 73	399	MISSOURI UNIVERSITY OF COLUMBIA MISSOURI KANSAS CITY MISSOURI ROLLA MISSOURI	749 * 410 38 309
336	TEXAS A & M RESEARCH FOUNDATION COLLEGE STATIO TEXAS	978 * 978	402	VIRGINIA UNIVERSITY OF CHARLOTTESVILL VIRGINIA	729 * 729
338	MINNESOTA UNIVERSITY OF MINNEAPOLIS MINNESOTA ST PAUL MINNESOTA	974 * 584 478	408	EMMANUEL COLLEGE BOSTON MASS LEXINGTON MASS	725 * 55 678
344	NORTHEASTERN UNIVERSITY BOSTON MASS	958 * 958	410	PICWEST RESEARCH INSTITUTE KANSAS CITY MISSOURI	720 * 720
340	FLORIDA UNIVERSITY GAINESVILLE FLORIDA	946 * 946	411	PALISADES INSTITUTE NEW YORK NEW YORK	712 * 712
			416	AMERICAN FOUNDATION ROCKVILLE MARYLAND	685 * 689

* = PLUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

SECTION II - NON-PROFIT INSTITUTIONS
FISCAL YEAR 1979

NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
417 NEVADA UNIVERSITY OF RENO NEVADA	689		
429 OHIO STATE UNIVERSITY THE COLUMBUS OHIO	626		
	615		
	21		
438 CLARKSON COLLEGE OF TECHNOLOGY POTSDAM NEW YORK	635		
	635		
431 NEW HAMPSHIRE UNIVERSITY OF DURHAM NH	624		
	624		
435 BRUNSWICK UNIVERSITY PROVIDENCE RI	614		
	614		
441 NORTH CAROLINA UNIVERSITY OF CHAPEL HILL NCAR	697		
	536		
	12		
	99		
447 HUDSON INSTITUTE CROTON ON HUDS NEW YORK	584		
	584		
462 SOUTHERN CAROLINA UNIVERSITY OF CHARLESTON SCAR	586		
	48		
	586		
470 CHICAGO UNIVERSITY CHICAGO ILLINOIS	527		
	527		
472 KANSAS UNIVERSITY OF EL DORADO KANSAS	519		
	99		
	179		
	201		
473 HOUSTON UNIVERSITY OF HOUSTON TEXAS	517		
	517		
474 DELAWARE UNIVERSITY OF NEWARK DELAWARE	587		
	587		
475 GEORGETOWN UNIVERSITY WASHINGTON DC	586		
	586		
487 MICHIGAN TECHNOLOGICAL UNIVERSITY HOUGHTON MICHIGAN	486		
	486		
496 TEXAS TECHNOLOGICAL COLLEGE LUBBOCK TEXAS	474		
	474		
498 NORTH CAROLINA STATE UNIVERSITY CHAPEL HILL NCAR	472		
	99		
	413		
499 MICHIGAN STATE UNIVERSITY EAST LANSING MICHIGAN	467		
	467		
	988,912		

- * PLUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

SECTION III - FOREIGN CONTRACTORS
FISCAL YEAR 1979.

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
187	CANADIAN COMMERCIAL CORP KIRTLAND AFB WARRINSTER	8,229 8,177 11- 63	.		
271	ROYAL NORWEGIAN NAVY COMM NORWAY	1,900 1,900	.		
274	UNITED KINGDOM MINISTRY OF DEFENCE UN KINGDOM	1,454 1,454	.		
384	NATIONAL TAIWAN UNIVERSITY HOSP FHCSD/TAI	1,197 1,197	.		
434	PATRA CO FRANCE	611 611	.		
		12,991	.		

- * MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

SECTION IV - U. S. GOVERNMENT AGENCIES
FISCAL YEAR 1979

Rank	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	Rank	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
129	NATIONAL ACADEMY OF SCIENCES WASHINGTON DC WHITE SANDS MS NEW MEXICO	5,930 5,433 108	.		.
229	UNITED STATES NATL AERO SPACE AGY RIDGELEY MD	2,890 2,890	.		.
237	UNITED STATES COMMERCE DEPT BOULDER COLORADO WASHINGTON DC GAITHERSBURG PARYLANC MORPHEM OKLAHOMA SEATTLE WASHINGTON	1,930 441 1,372 89 18 12	.		.
351	UNITED STATES ENERGY DEPT LIVERMORE CALIFORNIA OAKLAND CALIFORNIA WASHINGTON DC ALBUQUERQUE NEW MEXICO OAK RIDGE TENNESSEE	933 290 920 25 90 80	.		.
368	SMITHSONIAN INSTITUTION WASHINGTON DC CAMBRIDGE MASS	788 565 223	.		.
469	NATIONAL SCIENCE FOUNDATION WASHINGTON DC	920 920	.		.
		11,767	.		.

- * FINAL AMOUNT (CANCELLATIONS EXCEPT NEW AWARDS)

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