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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME
OF PRIME CONTRACT AWARDS FOR RDT&E, FY-82. (U)
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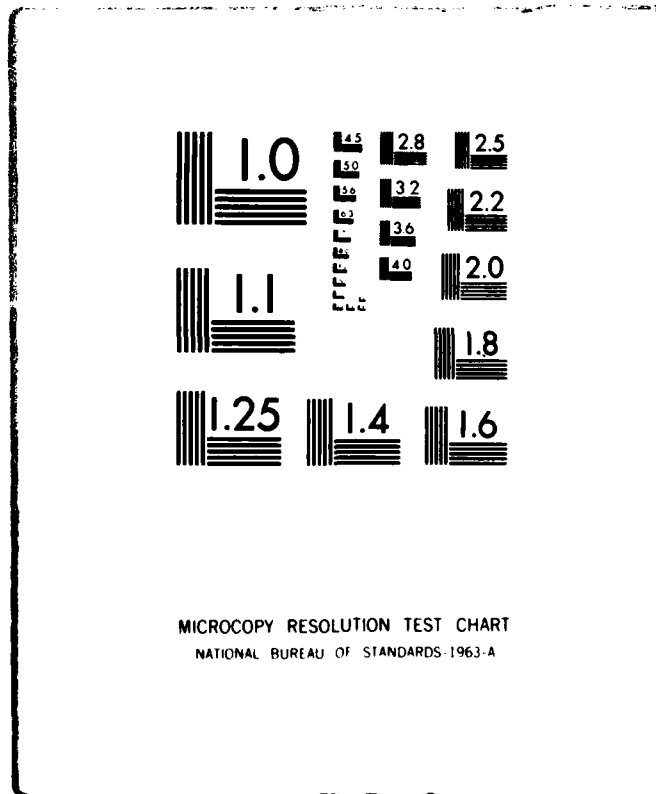
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Department of Defense

**500 CONTRACTORS RECEIVING THE LARGEST
DOLLAR VOLUME OF PRIME CONTRACT AWARDS FOR
RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

Fiscal Year 1982

Issued Annually by

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FOREWORD

500 Contractors Receiving the Largest Dollar Volume of Prime Contract Awards for Research, Development, Test, and Evaluation (RDT&E) is published annually by the Office of the Secretary of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (WHS/DIOR).

This report provides information on the 500 contractors that received the largest dollar volume in Department of Defense (DOD) prime contract awards over \$10,000 for RDT&E in Fiscal Year (FY) 1982. These data are presented in five tables showing:

1. An alphabetical listing of the top 500 companies, with rank;
2. The ranking of and net value of awards to business firms operating in the United States;
3. The ranking of and net value of awards to educational and other nonprofit institutions operating in the United States;
4. The ranking of and net value of awards to foreign contractors; and
5. The ranking of and net value of awards to U.S. Government agencies.

Requests for additional information should be addressed to the WHS/DIOR Special Projects Division, Room 1C535, The Pentagon, Washington, D.C., 20301.

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INTRODUCTION

This report presents summary data on the 500 prime contractors receiving the largest dollar volume in Department of Defense (DOD) awards over \$10,000 for research, development, test, and evaluation (RDT&E) work during Fiscal Year (FY) 1982. RDT&E work can include research, exploratory development, advanced development, engineering development, operational systems development, or management and support services. (Full definitions for each of these categories are provided in Defense Acquisition Regulation 4-101.)

Table 1 (page 5) lists the 500 contractors in alphabetical order, shows the ranking for each, and shows how each has been categorized for reporting purposes. The categories are business firm (B), foreign contractor (F), and nonprofit institution (N). Table 2 (page 11) shows the net value of awards to business firms operating in the United States, by rank. Those firms which qualify as small businesses are further identified by an "S". The net value of awards to each of the firm's individual locations is also provided. Tables 3, 4, and 5 (pages 25, 29, and 31, respectively) provide the net value of awards to educational and other nonprofit institutions operating in the United States, foreign contractors, and U.S. government agencies, respectively. (While awards to U.S. government agencies are listed separately in Table 5, these agencies are categorized as nonprofit institutions in Table 1.) As in Table 2, contractors in Tables 3 through 5 are shown by rank, along with the net value of awards to each of the contractor's individual locations.

NOTES ON COVERAGE

The dollar amounts shown here include prime contract awards over \$10,000 for RDT&E work only. Data on awards for other services, such as training, and on any supplies furnished by the contractors in support of research being done are excluded. Contract awards for civil functions have been included in these data. Civil functions encompass planning, programming, designing, constructing, and operating Federal water resource projects for navigation, flood control, hydroelectric power production, water supply, and other related activities.

The locations shown in the tables are the places where the work was to be performed. Normally, this is a facility of the concern awarded the contract. However, if the work was scheduled to be performed at a Defense facility, such as an Air Force base, the location shown is that of the Defense facility rather than the contractor.

HIGHLIGHTS OF FY 1982 DATA

The following table shows the net value and percent distribution of all RDT&E awards, RDT&E awards to the top 500 companies, and all other RDT&E awards for FY 1982.

TYPE OF CONTRACTOR	TOTAL RDT&E CONTRACTORS			TOP 500 CONTRACTORS — RDT&E			ALL OTHER RDT&E CONTRACTORS		
	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E — TOTAL	<u>2,108</u>	<u>\$14,882,248</u>	<u>100</u>	<u>500</u>	<u>\$14,611,335</u>	<u>100</u>	<u>1,608</u>	<u>\$270,913</u>	<u>100</u>
BUSINESS FIRMS	<u>1,686</u>	<u>13,321,360</u>	<u>90</u>	<u>379</u>	<u>13,101,315</u>	<u>90</u>	<u>1,307</u>	<u>220,045</u>	<u>81</u>
Small	1,177	722,050	5	192	560,358	4	985	161,692	60
Large	509	12,599,310	85	187	12,540,957	86	322	58,353	22
EDUCATIONAL & NONPROFIT	<u>326</u>	<u>1,499,874</u>	<u>10</u>	<u>110</u>	<u>1,457,166</u>	<u>10</u>	<u>216</u>	<u>42,708</u>	<u>16</u>
Educational	213	851,797	6	83	822,498	6	130	29,299	11
Other Nonprofit	113	648,077	4	27	634,668	4	86	13,409	5
U.S. GOVERNMENT AGENCIES	<u>13</u>	<u>34,771</u>	<u>*</u>	<u>4</u>	<u>33,066</u>	<u>*</u>	<u>9</u>	<u>1,705</u>	<u>1</u>
FOREIGN	<u>83</u>	<u>26,243</u>	<u>*</u>	<u>7</u>	<u>19,788</u>	<u>*</u>	<u>76</u>	<u>6,455</u>	<u>2</u>
Nonprofit	48	3,405	*	0	0	*	48	3,405	1
Business Firms	35	22,848	*	7	19,788	*	28	3,050	1

NOTE: An "*" in the percent column represents a figure of less than 0.05 percent. Percentages may not add due to rounding.

The distribution of FY 1982 awards varies only slightly from that in FY 1981. In FY 1982, the top 500 contractors included 379 U.S. business firms (192 of which were small businesses); 110 educational and nonprofit institutions; 7 foreign contractors; and 4 U.S. government agencies. In FY 1982, there were 98 contractors on the top 500 list that had not appeared on the FY 1981 list.

In FY 1981 the top 500 consisted of 383 U.S. business firms (190 were small businesses); 106 educational and nonprofit institutions; 7 foreign contractors; and 4 U.S. government agencies.

In addition to the top 500 contractors, there were 1,608 other contractors for whom RDT&E procurement actions over \$10,000 were reported, for a total of 2,108 contractors for FY 1982. In FY 1981, the total number of contractors was 2,008. The top 500 RDT&E contractors received awards totaling \$14,611 million in FY 1982, compared to \$10,225 million in FY 1981, an increase of \$4,386 million or 10.5 percent. The \$14,611 million represents 98.2 percent of the \$14,882 million total prime contract awards over \$10,000 for RDT&E work in FY 1982.

Of the 30 contractors with RDT&E awards of \$100 million or more in FY 1982, 26 were business firms and 4 were educational and other nonprofit institutions. These 30 contractors had a total of \$11,182 million in RDT&E awards. In FY 1981, there were 25 contractors who reached the \$100 million plateau, with awards totaling \$6,651 million. Of these 25 contractors, 21 were business firms and 4 were educational and other nonprofit institutions. The amount of awards for this \$100 million group increased by \$4,531 million or 68.1 percent between FY 1981 and 1982.

The following table shows the type of RDT&E work the contractors were engaged in and the net value and percent distribution of all awards for each of these types in FY 1982. Engineering development accounted for the majority (54.9 percent) of RDT&E awards, followed by advanced development (17.6 percent).

TYPE	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E — TOTAL	<u>\$14,882,248</u>	<u>100.0</u>
Engineering Development	8,176,674	54.9
Advanced Development	2,617,881	17.6
Operational Systems	1,742,259	11.7
Exploratory Development	1,285,140	8.6
Research	684,904	4.6
Management and Support	375,390	2.5

The following table shows the net value and percent distribution of all RDT&E awards by type of program. Within the RDT&E contracts, the largest volume of awards was for the research, development, test, or evaluation of missiles & space systems and electronic & communications equipment. In FY 1982, a combined total of \$9,183 million or 61.7 percent of all RDT&E awards over \$10,000 was for work connected with these programs.

PROGRAM	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E — TOTAL	<u>\$14,882,248</u>	<u>100.0</u>
Missile Systems	5,648,443	38.0
Electronic & Communication Equipment	3,534,093	23.7
Aircraft	2,906,204	19.5
Services	1,514,145	10.2
Ships	327,912	2.2
Ammunition	278,256	1.9
Weapons	268,456	1.8
Tank-Automotive	160,204	1.1
All Other	244,535	1.6

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
66	B A A I CORP	128	B B D M SERVICES CO
390	B A M A F INDUSTRIES INC	185	B B E & C ENGINEERS INC
330	F A S KONSBERG VAPENFABRIKK	365	B B E I ELECTRONICS INC
473	B ACTION MFG CO	378	B B K DYNAMICS INC
167	B ACUREX CORP	418	B BALL BROS RESEARCH CORP
459	B ADAPTIVE OPTICS ASSOCIATES INC	281	B BALL CORP
471	B ADAPTIVE SENSORS INC	322	B BATTELLE COLUMBUS LABORATORIES
307	B ADVANCED INFORMATION & DECN SYS	77	N BATTELLE MEMORIAL INSTITUTE
341	B ADVANCED MARINE ENTERPRISES INC	288	B BECHTEL NATIONAL INC
327	B ADVANCED RESEARCH & APPL CORP	499	B BEDFORD RESEARCH ASSOCIATES INC
359	B AERODYNE RESEARCH INC	218	B BEECH AIRCRAFT CORP
24	B AEROJET GENERAL CORP	252	B BELL & HOWELL CO
291	B AEROMET INC	65	B BENDIX CORP
265	B AERONAUTICAL RESEARCH ASSOCIATES	139	B BENDIX FIELD ENGINEERING CORP
12	N AEROSPACE CORP	171	B BETAC CORP
466	N ALABAMA UNIVERSITY OF	396	B BLOCK ENGINEERING INC
467	B ALPHATECH INC	2	B BOEING CO
314	B ALTUS CORP	97	B BOEING VERTOL CO
300	B AMERICAN AIRLINES INC	74	B BOLT BERANEK & NEWMAN INC
312	B AMERICAN ELECTRONIC LABS INC	88	B BOOZ ALLEN & HAMILTON INC
103	B AMERICAN HOME PRODUCTS CORP	491	B BOOZ ALLEN APPLIED RESEARCH INC
51	B AMEX SYSTEMS INC	231	N BOSTON COLLEGE
500	B ANACAPA SCIENCES INC	241	N BOSTON UNIVERSITY
250	B ANALYSIS & COMPUTER SYSTEMS INC	294	N BROWN UNIVERSITY
189	B ANALYSIS & TECHNOLOGY INC	158	B BRUNSWICK CORP
116	B ANALYTIC SCIENCES CORP	132	B BUNKER RAMO CORP
119	N ANALYTIC SERVICES INC	224	B BURROUGHS CORP
131	B ANALYTICAL SCIENCES CORP	217	B C T E C
155	B ANALYTICAL SYSTEMS ENGR CORP	474	B CALCULON CORP
141	B ANALYTICS INC	165	N CALIFORNIA INSTITUTE OF TECHNOLOGY
458	B ANAMET LABORATORIES INC	245	B CALIFORNIA RESEARCH & TECHNOLOGY
456	B APPLICATIONS RESEARCH CORP	344	N CALIFORNIA STATE OF
468	B APPLICON INC	52	N CALIFORNIA UNIVERSITY OF
401	B APPLIED RESEARCH INC	40	B CALSPAN CORP
363	B APPLIED SCIENCE ASSOCIATES INC	143	F CANADIAN COMMERCIAL CORP
460	B APPLIED TECHNOLOGY ASSOCIATES INC	452	B CANYON RESEARCH GROUP INC
136	B ARES INC	107	N CARNEGIE MELLON UNIVERSITY
340	B ARETE ASSOCIATES INC	315	N CASE WESTERN RESERVE UNIVERSITY
270	B ARGO SYSTEMS INC	140	B CHAMBERLAIN MFG CORP
150	B ARINC RESEARCH CORP	54	N CHARLES STARK DRAPER LABS INC
482	N ARIZONA STATE UNIVERSITY	382	B CHRYSLER CORP
209	N ARIZONA UNIVERSITY OF	178	B CINCINNATI ELECTRONICS CORP
318	B ARMAMENT SYSTEMS INC	384	N CLEMSON UNIVERSITY
402	B ASSURANCE TECHNOLOGY CORP	310	N COLORADO STATE UNIVERSITY
346	B ATLANTIC ANALYSIS CORP	283	N COLORADO UNIVERSITY
147	B ATLANTIC RESEARCH CORP	164	N COLUMBIA UNIVERSITY
31	B AUTOMATION INDUSTRIES INC	130	B COMMAND CONTROL & COMMUNICATION
23	B AVCO CORP	230	B COMPTON RESEARCH INC
100	B AVCO EVERETT RESEARCH LABORATORY	215	B COMPUTER CORP OF AMERICA
50	B B D M CORP	55	B COMPUTER SCIENCES CORP

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

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982
(Continued)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
457 B	COMSAT GENERAL CORP	188 B	ENSCO INC
389 N	CONNECTICUT UNIVERSITY OF	162 N	ENVIRONMENTAL RSCH INST OF MICH
433 B	CONSOLIDATED ANALYSIS CENTER INC	446 B	ESSEX CORP
313 B	CONTEL INFORMATION SYSTEMS INC	46 B	F M C CORP
385 B	CONTRAVES GOERZ CORP	309 B	FAIRCHILD CAMERA & INSTRUMENT CORP
101 B	CONTROL DATA CORP	79 B	FAIRCHILD INDUSTRIES INC
173 N	CORNELL UNIVERSITY	249 B	FEDERAL ELECTRIC CORP
326 B	CORVUS SYSTEMS INC	234 B	FIBER MATERIALS INC
127 B	CUBIC CORP	205 B	FIGGIE INTERNATIONAL INC
160 B	CUMMINS ENGINE CO INC	329 B	FLIGHT SYSTEMS INC
112 B	CURTISS WRIGHT CORP	232 N	FLORIDA STATE UNIVERSITY
244 B	D B A SYSTEMS INC	409 N	FLORIDA TECHNOLOGICAL UNIVERSITY
444 B	D W A COMPOSITES SPECIALTIES INC	280 N	FLORIDA UNIVERSITY
190 B	DAYRON CORP	41 B	FORD AEROSPACE & COMMUNICATIONS
90 N	DAYTON UNIVERSITY OF	301 B	FOSTER MILLER ASSOCIATES INC
496 B	DECISION SCIENCE APPLICATIONS INC	373 B	FREQUENCY & TIME SYSTEMS INC
303 B	DECISIONS & DESIGNS INC	487 B	FREQUENCY ELECTRONICS INC
349 B	DEFENSE SYSTEMS INC	431 B	G T E LABORATORIES INC
367 B	DELEX SYSTEMS INC	25 B	G T E PRODUCTS CORP
484 B	DELTA RESEARCH INC	419 B	GARD INC
247 N	DENVER UNIVERSITY OF	82 B	GARRETT CORP
304 B	DESIGNERS & PLANNERS INC	394 B	GENERAL ATOMIC CO
278 B	DEVELOPMENTAL SCIENCES INC	337 B	GENERAL ATRONICS CORP
392 B	DIGITAL COMMUNICATIONS CORP	175 B	GENERAL DEFENSE CORP
405 B	DIGITAL TECHNOLOGY INC	8 B	GENERAL DYNAMICS CORP
183 B	DIKEWOOD INDUSTRIES INC	7 B	GENERAL ELECTRIC CO
134 B	DONALDSON CO INC	62 B	GENERAL MOTORS CORP
393 N	DREXEL UNIVERSITY	87 B	GENERAL RESEARCH CORP
368 N	DUKE UNIVERSITY	343 B	GENTEX CORP
92 B	DYNALECTRON CORP	321 B	GEO CENTERS INC
161 B	DYNAMICS RESEARCH CORP	395 B	GEODYNAMICS CORP
196 B	DYNETICS INC	438 B	GEOMET TECHNOLOGIES INC
144 B	E G & G INC	238 N	GEORGE WASHINGTON UNIVERSITY
476 B	E G & G WASHINGTON ANAL SVC CEN	317 N	GEORGETOWN UNIVERSITY
495 B	E M SYSTEMS INC	195 N	GEORGIA INSTITUTE TECH
153 B	E S D CORP	63 N	GEORGIA TECH RESEARCH INSTITUTE
76 B	E S L INC	293 B	GIBBS & COX INC
88 B	E SYSTEMS INC	254 B	GILBERT ASSOCIATES
206 B	EAGLE TECHNOLOGY INC	47 B	GLOBAL ASSOCIATES
464 B	EASTMAN KODAK CO	351 B	GLOBAL MARINE DEVELOPMENT INC
58 B	EATON CORP	111 B	GOODYEAR AEROSPACE CORP
129 B	EDO CORP	125 B	GOULD INC
219 B	EFFECTS TECHNOLOGY INC	29 B	GRUMMAN AEROSPACE CORP
436 B	ELECTRO MAGNETIC APPLICATIONS INC	122 B	H R B SINGER INC
406 B	ELECTRONIC ASSOCIATES INC	256 B	HANSON R A CO INC
211 B	ELECTRONIC WARFARE ASSOCIATES	35 B	HARRIS CORP
115 B	ELECTROSPACE SYSTEMS INC	223 B	HARSCO CORP
59 B	EMERSON ELECTRIC CO	239 N	HARVARD UNIVERSITY
450 N	EMMANUEL COLLEGE	276 N	HAWAII UNIVERSITY OF
355 B	ENGINEERING RESEARCH ASSOCIATES	56 B	HAZELTINE CORP

* B = BUSINESS FIRM
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**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982
(Continued)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
461 B	HELIONETICS INC	20 B	LOCKHEED CORP
198 B	HENNINGSTON DURHAM RICHARDSON	253 B	LOCKHEED ELECTRONICS CO INC
38 B	HERCULES INC	9 B	LOCKHEED MISSILES & SPACE CO INC
11 B	HONEYWELL INC	421 B	LOCKHEED SHIPBUILDING CONSTRUCTION
336 B	HONEYWELL INFORMATION SYSTEMS INC	70 B	LOGICON INC
266 B	HORIZONS TECHNOLOGY INC	153 B	LORAL CORP
462 B	HOUSEHOLD DATA SERVICES INC	424 N	LOUISIANA STATE UNIVERSITY OF
441 N	HOWARD UNIVERSITY	490 B	M A N TRUCK & BUS CORP
5 B	HUGHES AIRCRAFT CO	379 B	MAC AULAY BROWN INC
57 B	HUGHES HELICOPTERS INC	124 B	MAGNAVOX ADVANCED PROD & SYS CO
285 B	HUGHES RESEARCH LABORATORIES	60 B	MAGNAVOX GOVT & INDUSTRIAL ELEC CO
207 N	HUMAN RESOURCES RESEARCH ORGN	156 B	MANTECH INTERNATIONAL CORP
397 F	HUNTING ENGINEERING LTD	251 F	MARCONI AVIONICS INC
114 B	HYCOR INC	170 F	MARCONI CO LTD
400 B	HYDRONAUTICS INC	472 B	MARK RESOURCES INC
453 B	HYDROTRONICS INC	133 B	MARQUARDT CO
334 B	I L C DOVER	275 B	MARTIN & STERN INC
399 B	I M R SYSTEMS CORP	3 B	MARTIN MARIETTA CORP
216 B	I R T CORP	142 N	MARYLAND UNIVERSITY OF
49 B	I T T & WESTINGHOUSE JV	18 N	MASSACHUSETTS INSTITUTE TECHNOLOGY
94 B	I T T GILFILLAN INC	210 N	MASSACHUSETTS UNIVERSITY OF
43 N	ILLINOIS INSTITUTE TECHNOLOGY	440 B	MATERIAL CONCEPTS INC
118 N	ILLINOIS UNIVERSITY OF	186 B	MATHEMATICAL SCIENCE NORTHWEST INC
362 B	INCO INC	102 B	MAXWELL LABORATORIES INC
469 B	INFORMATION SPECTRUM INC	4 B	MCDONNELL DOUGLAS CORP
81 N	INSTITUTE FOR DEFENSE ANALYSIS	428 B	MCGRAW HILL CONTINUING EDUCATION
166 B	INTERMETRICS INC	388 B	MCLEAN RESEARCH CENTER INC
15 B	INTERNATIONAL BUSINESS MACHINE CO	225 B	MCMULLEN JOHN J ASSOCIATES INC
284 B	INTERNATIONAL LASER SYSTEMS INC	445 B	MECHANICAL EQUIPMENT CO INC
28 B	INTERNATIONAL TELEPHONE & TEL CORP	290 B	MECHANICAL TECHNOLOGY INC
151 B	INTERSTATE ELECTRONICS CORP	383 B	MEGAPULSE INC
320 N	IOWA UNIVERSITY OF	417 B	MERRIT J L CNSLT & SPEC ENGR SVS
227 B	IRVINE SENSORS CORP	159 B	METRIC SYSTEMS CORP
106 B	ITEK CORP	236 N	MIAMI UNIVERSITY OF
99 B	JAYCOR	331 N	MICHIGAN STATE UNIVERSITY
13 N	JOHNS HOPKINS UNIVERSITY	391 N	MICHIGAN TECHNOLOGICAL UNIVERSITY
89 B	KAMAN SCIENCES CORP	184 N	MICHIGAN UNIVERSITY OF
380 N	KANSAS UNIVERSITY OF	447 B	MINE SAFETY APPLIANCES CO
67 B	KENTRON INTERNATIONAL INC	258 N	MINNESOTA UNIVERSITY OF
439 B	KERNCO ONC	98 B	MISSION RESEARCH CORP
200 B	KETRON INC	448 N	MISSOURI UNIVERSITY OF
435 B	KTECH CORP	19 N	MITRE CORP
416 N	LA JOLLA INSTITUTE	489 B	MONSANTO RESEARCH CORP
463 B	LEAR SIEGLER INC	44 B	MOTOROLA INC
286 N	LEHIGH UNIVERSITY	117 N	NATIONAL ACADEMY OF SCIENCES
454 B	LIFE SUPPORT SYSTEMS INC	425 N	NATIONAL SCIENCE FOUNDATION
257 B	LINKABIT CORP	481 B	NEVADA ENGINEERING & TECHNOLOGY
137 B	LITTLE ARTHUR D INC	374 N	NEW MEXICO INSTITUTE MINING & TECH
387 B	LITTON INDUSTRIES INC	96 N	NEW MEXICO STATE UNIVERSITY
36 B	LITTON SYSTEMS INC	152 N	NEW MEXICO UNIVERSITY OF

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**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982
(Continued)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
415 B	NEW TECHNOLOGY INC	204 B	QUEST RESEARCH CORP
328 N	NEW YORK POLYTECHNIC INSTITUTE	61 B	R & D ASSOCIATES
271 N	NEW YORK STATE UNIV RESEARCH FOUND	26 B	R C A CORP
299 N	NEW YORK UNIVERSITY	493 F	R E O S C
146 B	NEWPORT NEWS SHIPBLD & DRY DOCK CO	475 B	RADIAN CORP
180 B	NICHOLS RESEARCH CORP	187 B	RAIL CO INC
403 B	NIELSEN ENGINEERING & RESEARCH CO	72 N	RAND CORP
105 B	NORDEN SYSTEMS INC	292 B	RAYCOMM INDUSTRIES INC
319 N	NORTH CAROLINA STATE UNIVERSITY	16 B	RAYTHEON CO
325 N	NORTH CAROLINA UNIVERSITY OF	413 B	RAYTHEON SERVICE CO
296 N	NORTHEASTERN UNIVERSITY	243 B	REL INC
14 B	NORTHROP CORP	272 N	RENSSELAER POLYTECHNIC INSTITUTE
297 N	NORTHWESTERN UNIVERSITY	324 N	RESEARCH TRIANGLE INSTITUTE
267 B	NUCLEAR METALS INC	287 N	RHODE ISLAND UNIVERSITY OF
203 B	O A O CORP	191 N	RIVERSIDE RESEARCH INSTITUTE
172 B	O R I INC	148 N	ROCHESTER UNIVERSITY OF
372 B	OCEAN DATA SYSTEMS INC	1 B	ROCKWELL INTERNATIONAL CORP
398 B	OCEAN TECHNOLOGY INC	411 B	ROHM & HAAS CO
177 N	OHIO STATE UNIV RESERCH FOUNDATION	342 B	ROME RESEARCH CORP
237 N	OKLAHOMA STATE UNIVERSITY OF	422 B	ROSENBAUM HAROLD ASSOCIATES INC
360 B	OPTI METRICS INC	222 B	ROSENBLATT M SON INC
208 N	OREGON STATE UNIVERSITY	429 N	RUTGERS UNIVERSITY
333 B	ORINCON CORP	48 N	S R I INTERNATIONAL
370 B	PACCAR INC	410 B	S T D RESEARCH CORP
316 B	PACER SYSTEMS INC	262 B	SACHS FREEMAN ASSOCIATES INC
202 B	PACIFIC SIERRA RESEARCH CORP	268 N	SALK INSTITUTE THE
443 B	PACIFICA TECHNOLOGY	71 B	SANDERS ASSOCIATES INC
486 N	PALISADES GEOPHYSICAL INSTITUTE	246 B	SANTA BARBARA RESEARCH CENTER
442 N	PALISADES INSTITUTE	357 B	SANTA FE CORP
485 B	PATEL ENTERPRISES INC	181 B	SCHAFFER W J ASSOCIATES INC
154 B	PATTERN ANALYSIS & RECOGNITION CO	497 B	SCIENCE & TECHNOLOGY INC
93 N	PENNSYLVANIA STATE UNIVERSITY	39 B	SCIENCE APPLICATIONS INC
194 N	PENNSYLVANIA UNIVERSITY OF	451 B	SCIENTIFIC RESEARCH ASSOCIATES
176 B	PERCEPTRONICS INC	470 B	SCIENTIFIC SYSTEMS INC
109 B	PERKIN ELMER CORP	479 B	SCIENTIFIC TECH ASSOCIATES INC
350 B	PHYSICAL DYNAMICS INC	494 B	SCIPAR INC
375 B	PHYSICAL SCIENCES CORP	434 B	SCOPE ELECTRONICS INC
295 B	PHYSICS APPLICATIONS INC	214 B	SCOTT AVIATION SIERRA PRODUCTS INC
91 B	PHYSICS INTERNATIONAL CO	221 B	SEMCOR INC
242 B	PIASECKI AIRCRAFT CORP	432 B	SIERRA GEOPHYSICS INC
157 B	PIPER AIRCRAFT CORP	377 B	SIERRA RESEARCH CORP
308 N	PITTSBURGH UNIVERSITY OF	480 B	SIGNAL SCIENCE INC
85 B	PLANNING RESEARCH CORP	338 B	SIGNATRON INC
228 B	PLANNING SYSTEMS INC	37 B	SINGER CO
477 B	POLAR RESEARCH LABORATORY INC	311 B	SIPPICAN CORP
423 B	POLARIS INC	121 B	SOFTTECH INC
212 B	PRESEARCH INC	138 B	SOLAR TURBINES INTERNATIONAL
229 N	PRINCETON UNIVERSITY	83 B	SONICRAFT INC
381 B	PROTOTYPE DEVELOPMENT INC	235 N	SOUTHEASTERN CTR ELECT ENGR EDUC
260 N	PURDUE RESEARCH FOUNDATION	110 N	SOUTHERN CALIFORNIA UNIVERSITY OF

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

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982
(Concluded)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
201 N	SOUTHERN RESEARCH INSTITUTE	34 B	TEXTRON INC
120 N	SOUTHWEST RESEARCH INSTITUTE	27 B	THIokol CORP
174 B	SPACE DATA CORP	381 B	TITAN SYSTEMS INC
263 B	SPACE VECTOR CORP	69 B	TRACOR INC
407 B	SPARTA INC	163 B	TRIAD MICROSYSTEMS INC
197 B	SPARTON CORP	168 B	U T L CORP
352 B	SPECTRA RESEARCH SYSTEMS INC	282 B	ULTRASYSTEMS INC
465 B	SPECTRON DEVELOPMENT LABORATORIES	366 F	UNDERWATER & MARINE EQUIPMENT LTD
21 B	SPERRY CORP	145 B	UNITED SPACE BOOSTERS INC
339 B	STANFORD TELECOMMUNICATIONS INC	240 N	UNITED STATES COMMERCE DEPT
73 N	STANFORD UNIVERSITY	78 N	UNITED STATES NATL AERO SPACE AGY
323 B	STEARNS ROGER INC	17 B	UNITED TECHNOLOGIES CORP
273 B	STENCEL AERO ENGINEERING CORP	248 B	UNIVERSAL ENERGY SYSTEMS INC
358 N	STEVENS INSTITUTE OF TECHNOLOGY	113 N	UTAH STATE UNIVERSITY
32 B	SUMMA CORP	264 N	UTAH UNIVERSITY OF
332 B	SUMMIT RESEARCH CORP	261 B	V S E CORP
348 B	SUPPORT SYSTEMS ASSOCIATES INC	108 B	VARIAN ASSOCIATES
277 B	SURVIVAL TECHNOLOGY CORP	488 B	VARO INC
45 B	SVERDRUP TECHNOLOGY INC	420 B	VECTOR RESEARCH INC
259 B	SYNECTICS CORP	274 B	VEDA INC
233 N	SYRACUSE RESEARCH CORP	298 B	VERAC INC
437 N	SYRACUSE UNIVERSITY	213 N	VIRGINIA POLYTECHNIC INSTITUTE
426 B	SYSCON CORP	364 N	VIRGINIA UNIVERSITY OF
80 B	SYSTEM DEVELOPMENT CORP	354 B	VISIDYNE INC
123 B	SYSTEM PLANNING CORP	22 B	VOUGHT CORP
149 B	SYSTEMS & APPLIED SCIENCES CORP	492 B	VREDENBURG R M & CO
220 B	SYSTEMS CONSULTANTS INC	430 B	WAGNER DANIEL H ASSOCIATES INC
169 B	SYSTEMS CONTROL TECHNOLOGY INC	199 N	WASHINGTON BOOKER T FOUNDATION
412 B	SYSTEMS ENGINEERING LABORATORIES	371 B	WASHINGTON PATROL SERVICE INC
289 B	SYSTEMS EXPLORATION INC	449 N	WASHINGTON STATE UNIVERSITY
353 B	SYSTEMS PLANNING & ANALYSIS INC	483 N	WASHINGTON UNIVERSITY
84 B	SYSTEMS RESEARCH LABORATORIES INC	104 N	WASHINGTON UNIVERSITY OF
126 B	SYSTEMS SCIENCE & SOFTWARE	269 B	WEIDLINGER ASSOCIATES CONSULT ENGR
64 B	T A D COMMUNICATIONS CO	369 N	WENTWORTH INSTITUTE
6 B	T R W INC	498 B	WESTAT INCV
386 B	TECHNITROL INC	53 B	WESTERN ELECTRIC CO INC
376 B	TECHNOLOGY DEVELOPMENT CORP CALIF	455 B	WESTERN GEAR CORP
335 B	TECHNOLOGY INC	414 B	WESTERN RESEARCH CORP
135 B	TECHNOLOGY SERVICE CORP	10 B	WESTINGHOUSE ELECTRIC CORP
75 B	TELEDYNE BROWN ENGINEERING	404 B	WESTON ROY F
356 B	TELEDYNE GEOTECH	427 B	WHEELERS INDUSTRIES INC
226 B	TELEDYNE INC	302 B	WHITTAKER CORP
42 B	TELEDYNE INDUSTRIES INC	30 B	WILLIAMS INTERNATIONAL CORP
478 B	TELEPHONICS CORP	179 N	WISCONSIN UNIVERSITY OF
345 N	TENNESSEE UNIVERSITY OF	95 N	WOODS HOLE OCEANOGRAPHIC INST
305 B	TETRA TECH INC	306 B	XEROX CORP
279 N	TEXAS A & M RESEARCH FOUNDATION	192 B	XEROX ELECTRO OPTICAL SYSTEMS INC
33 B	TEXAS INSTRUMENTS INC	255 B	XETRON CORP
347 N	TEXAS TECHNOLOGICAL COLLEGE	408 B	XONTECH INC
86 N	TEXAS UNIVERSITY OF	182 N	YALE UNIVERSITY

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

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
1	ROCKWELL INTERNATIONAL CORP	1,962,406 *		T R W INC	
	ANAHEIM CALIFORNIA	269,326		SAN JUAN CAPIS CALIFORNIA	4,841
	CANOGA PARK CALIFORNIA	164,065		ALBUQUERQUE NEW MEXICO	100
	DOWNEY CALIFORNIA	42,406		CLEVELAND OHIO	429
	EL SEGUNDO CALIFORNIA	587		DAYTON OHIO	319
	LOS ANGELES CALIFORNIA	1,291,512		WRIGHT PATTERS OHIO	145
	NEWPORT BEACH CALIFORNIA	3,513		PHILADELPHIA PA	502
	SEAL BEACH CALIFORNIA	99,585		BAILEYS CROSSR VIRGINIA	1,613
	THOUSAND OAKS CALIFORNIA	7,424		FALLS CHURCH VIRGINIA	24,849
	VANDENBERG AFB CALIFORNIA	10,583		LANGLEY AFB VIRGINIA	75
	DULUTH GEORGIA	2,500		MCLEAN VIRGINIA	44,955
	CEDAR RAPIDS IOWA	40,734		NORFOLK VIRGINIA	84
	KIRTLAND AFB NEW MEXICO	7,865		BELLEVUE WASHINGTON	50
	BELLEFONTAINE OHIO	99			
	COLUMBUS OHIO	17,112	7	GENERAL ELECTRIC CO	480,745
	WRIGHT PATTERS OHIO	126			
	TULSA OKLAHOMA	20		HUNTSVILLE T T PAC IS ALABAMA	859
	DALLAS TEXAS	841		WILLIAMS AFB ARIZONA	927
	RICHARDSON TEXAS	4,308		SANTA BARBARA CALIFORNIA	2,835
2	BOEING CO	1,112,925 *		SUNNYVALE CALIFORNIA	2,910
	HUNTSVILLE ALABAMA	4,074		ARCHER FLORIDA	239
	VANDENBERG AFB CALIFORNIA	91		DAYTONA BEACH FLORIDA	305
	WICHITA KANSAS	144,537		LANHAM MARYLAND	10,618
	KIRTLAND AFB NEW MEXICO	9,895		BEDFORD MASS	171
	HOUSTON TEXAS	270		LYNN MASS	1,064
	KENT WASHINGTON	188,687		PITTSFIELD MASS	62,546
	SEATTLE WASHINGTON	781,133		WEST LYNN MASS	4,970
	TUKWILA WASHINGTON	4,238		WILMINGTON MASS	11,641
3	MARTIN MARIETTA CORP	1,086,427 *		BINGHAMTON MASS	1,757
	VANDENBERG AFB CALIFORNIA	141,819		JOHNSON CITY NEW YORK	1,620
	DENVER COLORADO	501,062		NORTH SYRACUSE NEW YORK	1,433
	JEFFERSON COLORADO	1,819		SCHENECTADY NEW YORK	99
	WATERTON COLORADO	9,570		SYRACUSE NEW YORK	65,255
	ORLANDO FLORIDA	416,968		UTICA NEW YORK	52,127
	BALTIMORE MARYLAND	4,283		CINCINNATI OHIO	22,349
	WAKEFIELD MASS	11,306		EVENDALE OHIO	116,910
4	MCDONNELL DOUGLAS CORP	796,098 *		ERIE PA	20,009
	CHINA LAKE CALIFORNIA	25		KING OF PRUSSI PA	60
	HUNTINGTON BEA CALIFORNIA	210,158		PHILADELPHIA PA	15,297
	LONG BEACH CALIFORNIA	35,606		VALLEY FORGE PA	61,687
	LOWRY AFB COLORADO	1,058		BURLINGTON VERMONT	1,432
	TITUSVILLE FLORIDA	4,414		ARLINGTON VIRGINIA	21,526
	BERKELEY MISSOURI	441	8	GENERAL DYNAMICS CORP	441,269
	ST CHARLES MISSOURI	782		YUMA ARIZONA	97
	ST LOUIS MISSOURI	543,589		POMONA CALIFORNIA	91,722
	FALLS CHURCH VIRGINIA	25		SAN DIEGO CALIFORNIA	127,513
5	HUGHES AIRCRAFT CO	688,454 *		VANDENBERG AFB CALIFORNIA	36,346
	FRANCE	468		GROTON CONN	49,356
	TUCSON ARIZONA	21,264		QUINCY MASS	237
	CANOGA PARK CALIFORNIA	197,485		CENTER LINE MICHIGAN	16,246
	CARLSBAD CALIFORNIA	830		STERLING HEIGH MICHIGAN	32,663
	CULVER CITY CALIFORNIA	84,770		WARREN MICHIGAN	18,247
	EL SEGUNDO CALIFORNIA	118,022		NELLIS AFB NEVADA	1,058
	FULLERTON CALIFORNIA	211,897		HOLLOMAN AFB NEW MEXICO	102
	IRVINE CALIFORNIA	718		KIRTLAND AFB NEW MEXICO	2,723
	LONG BEACH CALIFORNIA	830		LIMA OHIO	427
	LOS ANGELES CALIFORNIA	14,392		MACKSBURG OHIO	135
	MALIBU CALIFORNIA	9,045		FORT WORTH TEXAS	64,397
	NEWPORT BEACH CALIFORNIA	85	9	LOCKHEED MISSILES & SPACE CO INC	370,237
	TORRANCE CALIFORNIA	5,505		HUNTSVILLE ALABAMA	2,085
	GRIFFISS AFB NEW YORK	43		PALO ALTO CALIFORNIA	36,602
	DALLAS TEXAS	3,500		SUNNYVALE CALIFORNIA	331,550
6	T R W INC	481,813 *	10	WESTINGHOUSE ELECTRIC CORP	274,976 *
	HUNTSVILLE ALABAMA	3,532		SUNNYVALE CALIFORNIA	50,664
	EL SEGUNDO CALIFORNIA	97		ANNAPOLIS MARYLAND	1,894
	LAWDALE CALIFORNIA	125		BALTIMORE MARYLAND	141,489
	LOS ANGELES CALIFORNIA	200		COCKEYSVILLE MARYLAND	130
	NEHBURY PARK CALIFORNIA	1,040		HUNT VALLEY MARYLAND	608
	NORTON AFB CALIFORNIA	107,288		LIMA OHIO	30
	REDONDO BEACH CALIFORNIA	281,389		ORRVILLE OHIO	21
				WRIGHT PATTERS OHIO	411
				LARGE PA	118

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

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
	WESTINGHOUSE ELECTRIC CORP			UNITED TECHNOLOGIES CORP	
	PHILADELPHIA PA	12		EAST HARTFORD CONN	8,161
	PITTSBURGH PA	79,506		HARTFORD CONN	301
	WARMINSTER PA	93		NORFOLK CONN	3,480
11	HONEYWELL INC	238,866 *		NORWALK CONN	28,293
	FRANCE	718		SOUTH WINDSOR CONN	1,841
	SAN DIEGO CALIFORNIA	113		STRATFORD CONN	52,413
	WEST COVINA CALIFORNIA	2,171		WINDSOR LOCKS CONN	2,122
	CLEARWATER FLORIDA	49,746		WEST PALM BEAC FLORIDA	114,700
	ST PETERSBURG FLORIDA	13,643		KIRTLAND AFB NEW MEXICO	92
	TAMPA FLORIDA	246		MELVILLE NEW YORK	639
	ANNAPOLIS MARYLAND	2,885		FORT WASHINGTO PA	1,452
	LEXINGTON MASS	7,872	20	LOCKHEED CORP	162,747 *
	BLOOMINGTON MINNESOTA	1,922		BURBANK CALIFORNIA	66,118
	HOPKINS MINNESOTA	81,767		ONTARIO CALIFORNIA	1,305
	MINNEAPOLIS MINNESOTA	21,139		PALO ALTO CALIFORNIA	628
	NEW BRIGHTON MINNESOTA	39,929		SUNLAND CALIFORNIA	5,127
	PLYMOUTH MINNESOTA	366		SUNNYVALE CALIFORNIA	70,963
	ROSEVILLE MINNESOTA	256		MARIETTA GEORGIA	11,150
	ST LOUIS PARK MINNESOTA	6,114		PLAINFIELD NEW JERSEY	7,039
	EATONTOWN NEW JERSEY	648		DUGWAY UTAH	419
	NEW SHREWSBURY NEW JERSEY	466			
	HORSHAM PA	294	21	SPERRY CORP	155,440 *
	SEATTLE WASHINGTON	6,571		HUNTSVILLE ALABAMA	6,265
14	NORTHROP CORP	231,181 *		PHOENIX ARIZONA	10,306
	HUNTSVILLE ALABAMA	764		SAN DIEGO CALIFORNIA	2,382
	ANAHEIM CALIFORNIA	859		VALLEJO CALIFORNIA	641
	HAWTHORNE CALIFORNIA	176,301		CLEARWATER FLORIDA	1,372
	PALOS VERDES E CALIFORNIA	4,222		SUDBURY MASS	654
	DES PLAINES ILLINOIS	150		ST PAUL MINNESOTA	20,433
	ROLLING MEADOW ILLINOIS	7,853		ALBUQUERQUE NEW MEXICO	1,164
	NORWOOD MASS	41,032		GREAT NECK NEW YORK	94,664
15	INTERNATIONAL BUSINESS MACHINE CO	227,841 *		NEW YORK NEW YORK	705
	SAN JOSE CALIFORNIA	522		SYOSSET NEW YORK	17
	WESTLAKE VILLA CALIFORNIA	8,742		SOUTHAMPTON PA	963
	GAITHERSBURG MARYLAND	117,247		WARMINSTER PA	1,090
	EATONTOWN NEW JERSEY	192		SALT LAKE CITY UTAH	133
	OWEGO NEW YORK	45,804		CHARLOTTESVILL VIRGINIA	3,339
	YORKTOWN HGTS NEW YORK	5,457		DAHLGREN VIRGINIA	440
	HOUSTON TEXAS	1,326		RESTON VIRGINIA	10,872
	ARLINGTON VIRGINIA	5,996	22	VOUGHT CORP	152,925
	MANASSAS VIRGINIA	37,785		CHINA LAKE CALIFORNIA	13
	MCLEAN VIRGINIA	2,492		DALLAS TEXAS	152,912
	ROSSLYN VIRGINIA	2,278	23	AVCO CORP	151,142
16	RAYTHEON CO	224,991 *		SAN ANDREAS CALIFORNIA	300
	GERMANY	1,475		STRATFORD CONN	3,876
	HUNTSVILLE ALABAMA	25		EVERETT MASS	1,266
	OCLETA CALIFORNIA	23,828		LOWELL MASS	693
	OXNARD CALIFORNIA	50		WILMINGTON MASS	144,807
	ANDOVER MASS	29,410	24	AEROJET GENERAL CORP	149,420 *
	BEDFORD MASS	70,950		AZUSA CALIFORNIA	36,078
	BOSTON MASS	20		DOWNNEY CALIFORNIA	6,269
	LEXINGTON MASS	353		FULLERTON CALIFORNIA	60
	LOWELL MASS	789		NIMBUS CALIFORNIA	815
	NORTHBOROUGH MASS	48		SACRAMENTO CALIFORNIA	106,198
	SUDBURY MASS	26,227	25	G T E PRODUCTS CORP	137,722 *
	WALTHAM MASS	3,472		T T PAC IS	10,436
	WAYLAND MASS	29,839		TEMPE ARIZONA	47
	WEST ANDOVER MASS	106		LOS ANGELES CALIFORNIA	187-
	WAYNE NEW JERSEY	875		MOUNTAIN VIEW CALIFORNIA	13,983
	EAST PROVIDENC RI	16		DANVERS MASS	789
	PORTSMOUTH RI	36,870		NEEDHAM MASS	2,611
	ARLINGTON VIRGINIA	33		NEEDHAM HEIGHT MASS	81,427
	MCLEAN VIRGINIA	905		WALTHAM MASS	189
17	UNITED TECHNOLOGIES CORP	219,314 *		WESTBOROUGH MASS	28,337
	COYTE CALIFORNIA	300		WHITE SANDS MS NEW MEXICO	90
	LONG BEACH CALIFORNIA	77			
	SAN JOSE CALIFORNIA	140			
	SUNNYVALE CALIFORNIA	6,703			
	BRIDGEPORT CONN	600			

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

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
26	RCA CORP	138,456 *	35	HARRIS CORP	79,139 *
	BURLINGTON	14,955		FORT WALTON BE	227
	CAMDEN	17,220		MELBOURNE	27,681
	CHERRY HILL	141		PALM BAY	50,429
	HIGHTSTOWN	8,425		ROCHESTER	711
	MOORESTOWN	64,576		SYOSSET	91
	PRINCETON	2,695	36	LITTON SYSTEMS INC	70,978 *
	SOMERVILLE	195		SAN CARLOS	440
	WHITE SANDS MS	157		SUNNYVALE	1,090
	WRIGHT PATTERS	105		VAN NUYS	43,774
	LANCASTER	76		WOODLAND HILLS	14,021
	SPRINGFIELD	7		DAVENPORT	42
27	THICKOL CORP	129,906 *		COLLEGE PARK	1,906
	HUNTSVILLE	1,522		PASCAGOULA	5,528
	ELKTON	1,250		MELVILLE	3,671
	BRIGHAM CITY	127,134		SALT LAKE CITY	408
28	INTERNATIONAL TELEPHONE & TEL CORP	125,253 *		BLACKSBURG	98
	PHOENIX	254	37	SINGER CO	70,833 *
	VAN NUYS	860		LUKE AFB	1,080
	FORT WAYNE	8,470		WILLIAMS AFB	1,283
	CLIFTON	198		GLENDALE	24,827
	NUTLEY	115,774		SUNNYVALE	332
	PARAMUS	20		SILVER SPRING	2,185
	JOHNSON CITY	16		LITTLE FALLS	33,592
	ROANOKE	1,661		WAYNE	1,994
29	GRUMMAN AEROSPACE CORP	107,866 *		BINGHAMTON	986
	WHITE SANDS MS	1,800		MOUNT VERNON	4,032
	BETHPAGE	105,678		STATE COLLEGE	522
	CALVERTON	388	38	MERCULES INC	63,448 *
30	WILLIAMS INTERNATIONAL CORP	102,436 *		WILMINGTON	130
	WALLED LAKE	102,436		EGLIN AFB	346
31	AUTOMATION INDUSTRIES INC	98,762 *		PORT EWEN	12
	OXNARD	1,255		MCGREGOR	1,578
	SAN DIEGO	339		BACCHUS	279
	GROTON	347		MAGNA	58,967
	EGLIN AFB	23,353		ROCKET CENTER	2,136
	SILVER SPRING	73,468	39	SCIENCE APPLICATIONS INC	53,204 *
32	SUMMA CORP	94,226 *		HUNTSVILLE	3,891
	CULVER CITY	94,226		TUCSON	15
33	TEXAS INSTRUMENTS INC	93,456 *		YUMA	76
	NEWPORT BEACH	61		EL SEGUNDO	181
	POINT MUGU	500		IRVINE	398
	RIDGECREST	118		LA JOLLA	21,993
	AUSTIN	80		NORTON AFB	2,562
	DALLAS	28,762		PALO ALTO	160
	HOUSTON	10		PLEASANTON	164
	LEWISVILLE	25,385		SAN DIEGO	4,257
	SHERMAN	38,540		SANTA ANA	100
34	TEXTRON INC	83,909 *		COLORADO SPRIN	516
	TUCSON	3,949		DENVER	93
	YUMA	1,874		FORT WALTON BE	1,357
	BELMONT	2,075		ORLANDO	188
	VALENCIA	169		STUART	235
	EGLIN AFB	1,169		ATLANTA	196
	PANAMA CITY	7,701		MARIETTA	428
	NEW ORLEANS	1,222		STOW	55
	BUFFALO	6,084		LAS VEGAS	620
	WHEATFLD	2,087		MERCURY	60
	FORT WORTH	58,094		HANOVER	91
	HURST	1,485		PRINCETON	33
				ALBUQUERQUE	632
				KIRTLAND AFB	200
				DAYTON	496
				WRIGHT PATTERS	1,520
				WAYNE	132
				MEMPHIS	233
				OAK RIDGE	131
				FORT HOOD	914
				ARLINGTON	1,691
				MCLEAN	9,447
				VIENNA	119

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

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
40	CALSPAN CORP WHITE SANDS MS NEW MEXICO BUFFALO NEW YORK DAYTON OHIO WRIGHT PATTERS OHIO ARNOLD ENGG D TENNESSEE	52,612 * 113 14,449 428 998 36,624		COMPUTER SCIENCES CORP ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO HUNTINGDON PA DAHLOREN VIRGINIA FALLS CHURCH VIRGINIA	2,505 1,294 233 40 13,178
41	FORD AEROSPACE & COMMUNICATIONS NEWPORT BEACH CALIFORNIA PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA COLORADO SPRIN COLORADO	52,275 * 8,155 35,297 4,280 4,543	56	HAZELTINE CORP BRAINTREE MASS GREENLAWN NEW YORK	33,029 * 2,989 30,040
42	TELEDYNE INDUSTRIES INC NORTHRIDGE CALIFORNIA SAN DIEGO CALIFORNIA PATRICK AFB FLORIDA MUSKEGON MICHIGAN WHITE SANDS MS NEW MEXICO TOLEDO OHIO GARLAND TEXAS ALEXANDRIA VIRGINIA	47,298 * 199 34,601 84 1,094 90 9,917 421 892	57	HUGHES HELICOPTERS INC CULVER CITY CALIFORNIA	32,991 * 32,991
44	MOTOROLA INC PHOENIX ARIZONA SCOTTSDALE ARIZONA TEMPE ARIZONA HYATTSVILLE MARYLAND CARLISLE PA	43,187 * 70 36,992 5,731 97 297	58	EATON CORP SOUTHFIELD MICHIGAN DEER PARK NEW YORK MELVILLE NEW YORK	30,854 * 219 30,529 106
45	SVERDRUP TECHNOLOGY INC ARNOLD ENGG D TENNESSEE TULLAHOMA TENNESSEE	42,104 * 41,784 320	59	EMERSON ELECTRIC CO ST LOUIS MISSOURI	29,631 * 29,631
46	F M C CORP SAN JOSE CALIFORNIA	42,011 * 42,011	60	MAGNAVOX GOVT & INDUSTRIAL ELEC CO TORRANCE CALIFORNIA FORT WAYNE INDIANA MAHWAY NEW JERSEY	28,141 * 22,255 4,544 1,342
47	GLOBAL ASSOCIATES T T PAC IS	41,286 * 41,286	61	R & D ASSOCIATES LOS ANGELES CALIFORNIA MARINA DEL REY CALIFORNIA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO ARLINGTON VIRGINIA	S 27,937 * 425 16,488 7,500 2,759 765
49	I T T & WESTINGHOUSE JV NUTLEY NEW JERSEY	38,085 * 38,085	62	GENERAL MOTORS CORP GOLETA CALIFORNIA INDIANAPOLIS INDIANA DETROIT MICHIGAN OAK CREEK WISCONSIN	27,510 6,858 20,298 38 316
50	B D M CORP HUNTSVILLE ALABAMA WASHINGTON DC NELLIS AFB NEVADA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO WHITE SANDS MS NEW MEXICO WRIGHT PATTERS OHIO MCLEAN VIRGINIA NORFOLK VIRGINIA WARRENTON VIRGINIA	35,919 * 1,493 17 1,932 4,743 4,539 1,153 449 19,276 93 2,224	64	T A D COMMUNICATIONS CO NUTLEY NEW JERSEY	26,092 * 26,092
51	AMEX SYSTEMS INC FORT IRWIN CALIFORNIA HAWTHORNE CALIFORNIA SAN DIEGO CALIFORNIA	S 35,785 * 777 600 34,408	65	BENDIX CORP NORTH HOLLYWOOD CALIFORNIA SYLMAR CALIFORNIA MISHAWAKA INDIANA DAVENPORT IOWA BALTIMORE MARYLAND TOWSON MARYLAND EATONTOWN NEW JERSEY TETERBORO NEW JERSEY MCLEAN VIRGINIA	25,646 * 9,014 1,645 639 344 9,295 1,529 297 2,419 466
53	WESTERN ELECTRIC CO INC VANDENBERG AFB CALIFORNIA WHIPPANY NEW JERSEY BURLINGTON NCAR GREENSBORO NCAR	34,998 * 4,397 17,255 39- 13,385	66	A A I CORP BALTIMORE MARYLAND COCKEYSVILLE MARYLAND	25,612 * 2,715 22,897
55	COMPUTER SCIENCES CORP HUNTSVILLE ALABAMA OXNARD CALIFORNIA POINT MUGO CALIFORNIA REDONDO BEACH CALIFORNIA SAN DIEGO CALIFORNIA SILVER SPRING MARYLAND FORT MONMOUTH NEW JERSEY MOORESTOWN NEW JERSEY	33,184 * 5,695 1,722 295 1,313 1,021 317 3,197 2,374	67	KENTRON INTERNATIONAL INC YUMA ARIZONA CHINA LAKE CALIFORNIA DALLAS TEXAS	25,226 * 23,713 620 377 516
			68	E SYSTEMS INC ST PETERSBURG FLORIDA DALLAS TEXAS GREENVILLE TEXAS FALLS CHURCH VIRGINIA MCLEAN VIRGINIA	24,949 * 4,408 840 14,703 4,906 92

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
69	TRACOR INC WASHINGTON DC PORT EVERGLADE FLORIDA ROCKVILLE MARYLAND MIDDLETOWN RI AUSTIN TEXAS	23,213 - 1,166 129 1,248 159 20,511	85	PLANNING RESEARCH CORP CAMP PENDLETON CALIFORNIA BEDFORD MASS OFFUTT AFB NEBRASKA FORT MONMOUTH NEW JERSEY MCLEAN VIRGINIA	15,934 - 183 200 7,400 3,895 4,256
70	LOGICON INC SAN DIEGO CALIFORNIA SAN PEDRO CALIFORNIA VALLEJO CALIFORNIA WOODLAND HILLS CALIFORNIA LANHAM MARYLAND HANSCOM AFB MASS LEXINGTON MASS WRIGHT PATTERS OHIO ALTUS AFB OKLAHOMA TINKER AFB OKLAHOMA	23,191 - 1,440 13,843 487 775 1,588 205 1,058 3,588 91 116	87	GENERAL RESEARCH CORP HUNTSVILLE ALABAMA SANTA BARBARA CALIFORNIA FORT WALTON BE FLORIDA MCLEAN VIRGINIA ROSSLYN VIRGINIA	14,881 - 2,656 5,658 3,068 3,401 98
71	SANDERS ASSOCIATES INC MERRIMACK NH NASHUA NH	22,960 - 580 22,380	88	BOCZ ALLEN & HAMILTON INC BETHESDA MARYLAND HANSCOM AFB MASS NEW SHREWSBURY NEW JERSEY PHILADELPHIA PA	14,358 - 10,821 3,051 302 184
74	BOLT BERANEK & NEWMAN INC CANOGA PARK CALIFORNIA SAN DIEGO CALIFORNIA CAMBRIDGE MASS ARLINGTON VIRGINIA	22,702 - 176 786 20,778 962	89	KAMAN SCIENCES CORP FORT HUNTER LI CALIFORNIA SANTA BARBARA CALIFORNIA COLORADO SPRIN COLORADO BEL AIR MARYLAND BURLINGTON MASS	14,212 - 57 1,344 11,360 70 1,381
75	TELEDYNE BROWN ENGINEERING HUNTSVILLE ALABAMA	22,395 - 22,395	91	PHYSICS INTERNATIONAL CO SAN LEANDRO CALIFORNIA	12,707 - 12,707
76	E S L INC SUNNYVALE CALIFORNIA HANOVER MARYLAND	21,370 - 21,311 59	92	DYNALECTRON CORP ALBUQUERQUE NEW MEXICO HOLLOWMAN AFB NEW MEXICO KIRTLAND AFB NEW MEXICO WRIGHT PATTERS OHIO	12,508 - 436 7,528 4,303 241
79	FAIRCHILD INDUSTRIES INC EDWARDS AFB CALIFORNIA VANDENBERG AFB CALIFORNIA GERMANTOWN MARYLAND FARMINGDALE NEW YORK SYOSSET NEW YORK	19,895 - 3,116 268 1,689 14,618 204	94	I T T GILFILLAN INC VAN NUYS CALIFORNIA	12,190 - 12,190
80	SYSTEM DEVELOPMENT CORP HUNTSVILLE ALABAMA CAMP PENDLETON CALIFORNIA SANTA MONICA CALIFORNIA SUNNYVALE CALIFORNIA WASHINGTON DC FORT MONMOUTH NEW JERSEY WEST LONG BRAN NEW JERSEY DAYTON OHIO MCLEAN VIRGINIA	19,858 - 4,006 450 1,593 4,878 24 262 2,615 883 4,347	97	BOEING VERTOL CO PHILADELPHIA PA RIDLEY PA RIDLEY PARK PA FORT EUSTIS VIRGINIA	11,680 - 10,837 71 697 75
82	GARRETT CORP PHOENIX ARIZONA LOS ANGELES CALIFORNIA TORRANCE CALIFORNIA BELMAR NEW JERSEY	17,961 - 14,883 150 2,896 232	98	MISSION RESEARCH CORP SAN DIEGO CALIFORNIA SANTA BARBARA CALIFORNIA COLORADO SPRIN COLORADO ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO ALEXANDRIA VIRGINIA	S 11,576 - 1,361 5,769 349 2,753 1,198 146
83	SONICRAFT INC CHICAGO ILLINOIS	S 16,771 - 16,771	99	JAYCOR DEL MAR CALIFORNIA SAN DIEGO CALIFORNIA SANTA BARBARA CALIFORNIA SANTA MONICA CALIFORNIA COLORADO SPRIN COLORADO WASHINGTON DC BOSTON MASS WOBURN MASS ALEXANDRIA VIRGINIA	S 11,519 - 824 5,661 411 159 319 834 49 36 3,226
84	SYSTEMS RESEARCH LABORATORIES INC GRIFFISS AFB NEW YORK DAYTON OHIO FAIRBORN OHIO WRIGHT PATTERS OHIO BROOKS AFB TEXAS FALLS CHURCH VIRGINIA	16,066 - 90 2,187 112 13,240 357 80	100	AVCO EVERETT RESEARCH LABORATORY MAUI HAWAII EVERETT MASS SOMERVILLE MASS	10,756 - 3,087 5,988 1,671
			101	CONTROL DATA CORP T T PAC IS UN KINGDOM SAN DIEGO CALIFORNIA MINNEAPOLIS MINNESOTA FORT BELVOIR VIRGINIA	10,737 - 2,020 375 140 8,180 22

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
102	MAXWELL LABORATORIES INC SAN DIEGO CALIFORNIA KIRTLAND AFB NEW MEXICO	S 10,724 * 9,328 1,396	126	SYSTEMS SCIENCE & SOFTWARE LA JOLLA CALIFORNIA SAN DIEGO CALIFORNIA ALBUQUERQUE NEW MEXICO	S 8,069 8,704 1,212 153
103	AMERICAN HOME PRODUCTS CORP NEW YORK NEW YORK	10,500 * 10,500	127	CUBIC CORP SAN DIEGO CALIFORNIA	7,935 * 7,935
105	NORDEN SYSTEMS INC NATIONAL CITY CALIFORNIA NORWALK CONN HOLLOMAN AFB NEW MEXICO MELVILLE NEW YORK	10,215 * 485 5,534 472 3,724	128	B D M SERVICES CO FORT ORD CALIFORNIA FORT KNOX KENTUCKY NEW SHREWSBURY NEW JERSEY SHREWSBURY NEW JERSEY KIRTLAND AFB NEW MEXICO MCLEAN VIRGINIA VIENNA VIRGINIA	7,904 129 537 1,604 1,375 4,214 12 33
106	ITEK CORP SUNNYVALE CALIFORNIA LEXINGTON MASS	10,185 * 784 9,401	129	EDG CORP COLLEGE POINT NEW YORK	7,840 * 7,840
108	VARIAN ASSOCIATES PALO ALTO CALIFORNIA SANTA CLARA CALIFORNIA CHEVERLY MARYLAND BEVERLY MASS GLOUCESTER MASS FLORHAM PARK NEW JERSEY	9,917 * 4,745 414 139 594 3,986 39	130	COMMAND CONTROL & COMMUNICATION HUNTSVILLE ALABAMA TORRANCE CALIFORNIA	S 7,822 * 23 7,799
109	PERKIN ELMER CORP POMONA CALIFORNIA DANBURY CONN NORWALK CONN RIDGEFIELD CONN WILTON CONN BETHESDA MARYLAND	9,881 * 856 5,031 2,860 37 1,376 21	131	ANALYTICAL SCIENCES CORP READING MASS	S 7,814 * 7,814
111	GOODYEAR AEROSPACE CORP LITCHFIELD PAR ARIZONA AKRON OHIO	9,898 * 4,091 5,807	132	BUNKER RAMO CORP WESTLAKE VILLA CALIFORNIA DANBURY CONN GRIFFISS AFB NEW YORK LANGLEY AFB VIRGINIA	7,766 * 6,534 84 821 327
112	CURTISS WRIGHT CORP WOOD RIDGE NEW JERSEY	9,532 * 9,532	133	MARQUARDT CO VAN NUYS CALIFORNIA	7,756 * 7,756
114	HYCOR INC WOBURN MASS	S 9,168 * 9,168	134	DONALDSON CO INC MINNEAPOLIS MINNESOTA	7,738 * 7,738
115	ELECTROSPACE SYSTEMS INC DAYTON OHIO RICHARDSON TEXAS ARLINGTON VIRGINIA	S 9,110 * 298 8,317 495	135	TECHNOLOGY SERVICE CORP SANTA MONICA CALIFORNIA SILVER SPRING MARYLAND	7,650 * 7,141 509
116	ANALYTIC SCIENCES CORP READING MASS ARLINGTON VIRGINIA	S 9,066 * 8,777 289	136	ARES INC PORT CLINTON OHIO	S 7,599 * 7,599
121	SOFTTECH INC WALTHAM MASS DAYTON OHIO WRIGHT PATTERS OHIO	S 8,750 * 6,472 304 1,974	137	LITTLE ARTHUR D INC CAMBRIDGE MASS	7,426 * 7,426
122	H R B SINGER INC STATE COLLEGE PA	8,710 * 8,710	138	SOLAR TURBINES INTERNATIONAL SAN DIEGO CALIFORNIA	7,420 7,420
123	SYSTEM PLANNING CORP ARLINGTON VIRGINIA	S 8,155 * 8,155	139	BENDIX FIELD ENGINEERING CORP COLUMBIA MARYLAND MERCURY NEVADA	7,378 5,563 1,815
124	MAGNAVOX ADVANCED PROD & SYS CO TORRANCE CALIFORNIA	8,126 * 8,126	140	CHAMBERLAIN MFG CORP WATERLOO IOWA NEW BEDFORD MASS	7,340 * 7,226 114
125	GOULD INC EL MONTE CALIFORNIA CHICAGO ILLINOIS ROLLING MEADOW ILLINOIS GLEN BURNIE MARYLAND CLEVELAND OHIO LANGHORNE PA	8,122 * 155 93 790 8,187 330 867	141	ANALYTICS INC HUNTSVILLE ALABAMA FORT WALTON BE FLORIDA BLOOMINGTON INDIANA NEW SHREWSBURY NEW JERSEY TINTON FALLS NEW JERSEY DAYTON OHIO WILLOW GROVE PA MCLEAN VIRGINIA	S 7,267 36 129 40 979 1,313 92 4,574 104

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
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(Continued)**

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144	E G & G INC ROCKVILLE MARYLAND SALEM MASS WALTHAM MASS ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO DAHLOREN VIRGINIA	7,119 - 4,771 340 37 1,496 75 400	160	CUMMINS ENGINE CO INC COLUMBUS INDIANA	5,713 - 5,713
145	UNITED SPACE BOOSTERS INC VANDENBERG AFB CALIFORNIA	7,063 - 7,063	161	DYNAMICS RESEARCH CORP WILMINGTON MASS	5,547 - 5,547
146	NEWPORT NEWS SHIPBLD & DRY DOCK CO NEWPORT NEWS VIRGINIA	7,025 - 7,025	163	TRIAD MICROSYSTEMS INC HUNTSVILLE ALABAMA SANTA ANA CALIFORNIA	S 5,467 4,939 556
147	ATLANTIC RESEARCH CORP ALEXANDRIA VIRGINIA GAINESVILLE VIRGINIA	6,993 - 4,582 2,411	166	INTERMETRICS INC LONG BEACH CALIFORNIA CAMBRIDGE MASS WRIGHT PATTERS OHIO WARMINSTER PA	S 5,317 1,515 3,266 450 64
149	SYSTEMS & APPLIED SCIENCES CORP S ANAHEIM CALIFORNIA RIVERDALE MARYLAND HANSCOM AFB MASS DAYTON OHIO WRIGHT PATTERS OHIO	6,964 - 166 4,476 816 1,207 199	167	ACUREX CORP MOUNTAIN VIEW CALIFORNIA DAYTON OHIO	S 5,222 5,149 73
150	ARINC RESEARCH CORP SAN DIEGO CALIFORNIA SANTA ANA CALIFORNIA ANNAPOLIS MARYLAND	6,751 - 2,246 3,413 1,092	168	U T L CORP DALLAS TEXAS	S 5,215 - 5,215
151	INTERSTATE ELECTRONICS CORP ANAHEIM CALIFORNIA WARMINSTER PA	6,604 - 6,534 70	169	SYSTEMS CONTROL TECHNOLOGY INC PALO ALTO CALIFORNIA	S 5,165 - 5,165
153	LORAL CORP SAN DIEGO CALIFORNIA YONKERS NEW YORK	6,353 - 38 6,315	171	BETAC CORP BURLINGTON MASS ARLINGTON VIRGINIA	S 4,934 139 4,795
154	PATTERN ANALYSIS & RECOGNITION CO S PETERSON AFB COLORADO ROME NEW YORK	6,352 - 754 6,598	172	O R I INC WASHINGTON DC ANNAPOLIS MARYLAND BETHESDA MARYLAND SAINT INIGGES MARYLAND SILVER SPRING MARYLAND	S 4,929 95 45 71 20 4,698
155	ANALYTICAL SYSTEMS ENGR CORP S BURLINGTON MASS HANSCOM AFB MASS TINTON FALLS NEW JERSEY MIDDLETOWN RI	6,318 - 5,597 40 554 127	174	SPACE DATA CORP TEMPE ARIZONA	S 4,803 4,803
156	MANTECH INTERNATIONAL CORP S HUNTSVILLE GERMANY LAWDALE ALABAMA LOS ANGELES CALIFORNIA PANAMA CITY FLORIDA ANNAPOLIS MARYLAND ROCKVILLE MARYLAND LIVINGSTON NEW JERSEY ARLINGTON VIRGINIA	6,229 - 510 1,069 408 290 49 388 1,666 435 1,212	175	GENERAL DEFENSE CORP WHARTON NEW JERSEY RED LION PA	4,752 1,944 2,808
157	PIPER AIRCRAFT CORP LAKELAND FLORIDA	6,019 - 6,019	176	PERCEPTRONICS INC WOODLAND HILLS CALIFORNIA	S 4,685 - 4,685
158	BRUNSWICK CORP COSTA MESA CALIFORNIA DE LAND FLORIDA LINCOLN NEBRASKA WILLARD OHIO MARION VIRGINIA	6,009 - 2,890 2,346 266 86 301	178	CINCINNATI ELECTRONICS CORP CINCINNATI OHIO	4,647 - 4,647
159	METRIC SYSTEMS CORP S FORT WALTON BE FLORIDA	5,849 - 5,849	180	NICHOLS RESEARCH CORP HUNTSVILLE ALABAMA	S 4,531 - 4,531
			181	SCHAFFER W J ASSOCIATES INC WAKEFIELD MASS ARLINGTON VIRGINIA	S 4,206 - 4,180 26
			183	DIKEWOOD INDUSTRIES INC ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	S 4,101 - 3,351 750
			185	B E & C ENGINEERS INC PATUXENT RIVER MARYLAND	4,026 - 4,026
			186	MATHEMATICAL SCIENCE NORTHWEST INC S BELLEVUE WASHINGTON	3,960 - 3,960
			187	RAIL CO INC ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	S 3,951 - 3,918 33

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(Continued)**

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188	ENSCO INC SAN DIEGO CALIFORNIA INDIAN HARBOUR FLORIDA NORFOLK VIRGINIA SPRINGFIELD VIRGINIA	S 3,903 = 29 1,740 80 2,054	217	C T E C FALLS CHURCH VIRGINIA MCLEAN VIRGINIA	S 3,267 = 822 2,445
189	ANALYSIS & TECHNOLOGY INC NEW LONDON CONN STONINGTON CONN ARLINGTON VIRGINIA VIRGINIA BEACH VIRGINIA	S 3,834 = 12 3,637 175 10	218	BEECH AIRCRAFT CORP FORT RUCKER ALABAMA WICHITA KANSAS	3,174 = 179 2,995
190	DAYRON CORP ORLANDO FLORIDA	S 3,811 = 3,811	219	EFFECTS TECHNOLOGY INC SANTA BARBARA CALIFORNIA	3,155 = 3,155
192	XEROX ELECTRO OPTICAL SYSTEMS INC PASADENA CALIFORNIA	3,810 = 3,810	220	SYSTEMS CONSULTANTS INC SAN DIEGO CALIFORNIA WASHINGTON DC MIDDLETOWN RI VIRGINIA BEACH VIRGINIA	3,125 = 897 520 1,616 92
193	E S D CORP SAN JOSE CALIFORNIA SANTA CLARA CALIFORNIA	3,798 = 185 3,813	221	SEMCOR INC MOORESTOWN NEW JERSEY WARMINGSTER PA	S 3,118 = 2,994 124
196	DYNETICS INC HUNTSVILLE ALABAMA FORT WALTON BE FLORIDA	S 3,777 = 3,822 275	222	ROSENBLATT M SON INC ARLINGTON VIRGINIA	S 3,052 = 3,052
197	SPARTON CORP JACKSON MICHIGAN	3,721 = 3,721	223	HARSCO CORP YORK PA	2,967 = 2,967
198	HENNINGSTON DURHAM RICHARDSON SANTA BARBARA CALIFORNIA	3,708 = 3,708	224	BURROUGHS CORP PAOLI PA	2,948 = 2,948
200	KETRON INC WAYNE PA ARLINGTON VIRGINIA	S 3,703 = 1,647 2,156	225	MCMULLEN JOHN J ASSOCIATES INC ARLINGTON VIRGINIA	2,947 = 2,947
202	PACIFIC SIERRA RESEARCH CORP LOS ANGELES CALIFORNIA SANTA MONICA CALIFORNIA	S 3,652 = 94 3,558	226	TELEDYNE INC NORTHBRIDGE CALIFORNIA SAN DIEGO CALIFORNIA TIMONIUM MARYLAND MUSKEGON MICHIGAN GARLAND TEXAS	2,916 = 202 836 635 488 755
203	O A O CORP EL SEGUNDO CALIFORNIA BELTSVILLE MARYLAND GREENBELT MARYLAND	S 3,634 = 2,598 769 269	227	IRVINE SENSORS CORP COSTA MESA CALIFORNIA	S 2,900 = 2,900
204	QUEST RESEARCH CORP MCLEAN VIRGINIA	S 3,624 = 3,624	228	PLANNING SYSTEMS INC PANAMA CITY FLORIDA MCLEAN VIRGINIA	S 2,867 = 48 2,839
205	FIGGIE INTERNATIONAL INC SIERRA MADRE CALIFORNIA HUNTINGTON STA NEW YORK	3,596 = 418 3,178	230	COMPTON RESEARCH INC GOLETA CALIFORNIA NORFOLK VIRGINIA	S 2,823 = 291 2,532
206	EAGLE TECHNOLOGY INC FULLERTON CALIFORNIA ARLINGTON VIRGINIA	S 3,589 = 2,646 943	234	FIBER MATERIALS INC BIDDEFORD MAINE	S 2,779 = 2,779
211	ELECTRONIC WARFARE ASSOCIATES MCLEAN VIRGINIA	S 3,420 = 3,420	242	PIASECKI AIRCRAFT CORP PHILADELPHIA PA	S 2,700 = 2,700
212	PRESEARCH INC PANAMA CITY FLORIDA ARLINGTON VIRGINIA	S 3,411 = 40 3,371	243	REL INC BOYNTON BEACH FLORIDA	S 2,700 = 2,700
214	SCOTT AVIATION SIERRA PRODUCTS INC MONROVIA CALIFORNIA	3,341 = 3,341	244	D B A SYSTEMS INC MELBOURNE FLORIDA	S 2,685 = 2,685
215	COMPUTER CORP OF AMERICA CAMBRIDGE MASS	S 3,294 = 3,294	245	CALIFORNIA RESEARCH & TECHNOLOGY WOODLAND HILLS CALIFORNIA	S 2,667 = 2,667
216	I R T CORP SAN DIEGO CALIFORNIA MCLEAN VIRGINIA	S 3,288 = 2,913 373	246	SANTA BARBARA RESEARCH CENTER GOLETA CALIFORNIA	2,644 = 2,644
			248	UNIVERSAL ENERGY SYSTEMS INC DAYTON OHIO WRIGHT PATTERS OHIO	S 2,611 = 1,567 1,024

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(Continued)**

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249	FEDERAL ELECTRIC CORP SANTA MARIA CALIFORNIA	2,600 = 2,600	275	MARTIN & STERN INC MANHATTAN BEAC CALIFORNIA FAIRFAX VIRGINIA	S 2,243 = 1,829 414
250	ANALYSIS & COMPUTER SYSTEMS INC BEDFORD MASS	S 2,537 = 2,537	277	SURVIVAL TECHNOLOGY CORP BETHESDA MARYLAND	S 2,208 = 2,208
252	BELL & HOWELL CO PASADENA CALIFORNIA CHICAGO ILLINOIS	2,521 = 2,021 500	278	DEVELOPMENTAL SCIENCES INC CITY OF INDUST CALIFORNIA	S 2,200 = 2,200
253	LOCKHEED ELECTRONICS CO INC ORLANDO FLORIDA DENVER NEW JERSEY PLAINFIELD NEW JERSEY	2,520 = 832 149 1,739	281	BALL CORP BOULDER COLORADO	2,112 = 2,112
254	GILBERT ASSOCIATES READING PA	2,500 = 2,500	282	ULTRASYSTEMS INC IRVINE CALIFORNIA NORTON AFB CALIFORNIA FORT MEADE MARYLAND	S 2,108 = 226 885 997
255	XETRON CORP CINCINNATI OHIO	S 2,496 = 2,496	284	INTERNATIONAL LASER SYSTEMS INC ORLANDO FLORIDA KIRTLAND AFB NEW MEXICO	2,088 = 344 1,724
256	HANSON R A CO INC SPOKANE WASHINGTON	S 2,475 = 2,475	285	HUGHES RESEARCH LABORATORIES MALIBU CALIFORNIA	2,043 = 2,043
257	LINKABIT CORP SAN DIEGO CALIFORNIA	S 2,473 = 2,473	288	BECHTEL NATIONAL INC SAN FRANCISCO CALIFORNIA	2,000 2,000
258	SYNECTICS CORP ROME NEW YORK FAIRFAX VIRGINIA	S 2,455 = 106 2,349	289	SYSTEMS EXPLORATION INC MONTEREY CALIFORNIA SAN DIEGO CALIFORNIA	S 1,999 = 69 1,930
261	V S E CORP OXNARD CALIFORNIA ALEXANDRIA VIRGINIA	2,427 = 1,850 577	290	MECHANICAL TECHNOLOGY INC LATHAM NEW YORK	1,990 = 1,990
262	SACHS FREEMAN ASSOCIATES INC WASHINGTON DC BLADENSBURG MARYLAND BOWIE MARYLAND HYATTSVILLE MARYLAND	S 2,415 = 593 407 1,341 74	291	AEROMET INC TULSA OKLAHOMA	S 1,989 = 1,989
263	SPACE VECTOR CORP NORTHRIDGE CALIFORNIA	S 2,397 = 2,397	292	RAYCOMM INDUSTRIES INC FORT MONMOUTH NEW JERSEY	S 1,979 = 1,979
265	AERONAUTICAL RESEARCH ASSOCIATES PORT REPUBLIC NEW JERSEY PRINCETON NEW JERSEY	S 2,360 = 40 2,320	293	GIBBS & COX INC NEW YORK NEW YORK ARLINGTON VIRGINIA	1,966 = 183 1,783
266	HORIZONS TECHNOLOGY INC SAN DIEGO CALIFORNIA	S 2,352 = 2,352	295	PHYSICS APPLICATIONS INC FREMONT CALIFORNIA SAN JOSE CALIFORNIA GRAND SALINE TEXAS	S 1,933 = 1,426 436 71
267	NUCLEAR METALS INC CONCORD MASS	S 2,349 = 2,349	298	VERAC INC SAN DIEGO CALIFORNIA ALBUQUERQUE NEW MEXICO	S 1,906 = 1,814 292
268	WEIDLINGER ASSOCIATES CONSULT ENGR MENLO PARK CALIFORNIA NEW YORK NEW YORK	S 2,335 = 863 1,772	300	AMERICAN AIRLINES INC FORT WORTH TEXAS	1,895 = 1,895
270	ARGO SYSTEMS INC PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA	S 2,334 = 833 1,701	301	FOSTER MILLER ASSOCIATES INC WALTHAM MASS	S 1,881 = 1,881
273	STENCEL AERO ENGINEERING CORP ARDEN NCAR ASHEVILLE NCAR	2,297 = 18 2,279	302	WHITTAKER CORP CHATSWORTH CALIFORNIA EGLIN AFB FLORIDA	1,853 = 1,818 35
274	VEDA INC CAMARILLO CALIFORNIA DAYTON OHIO SOUTHAMPTON PA ARLINGTON VIRGINIA	S 2,248 = 97 865 181 1,305	303	DECISIONS & DESIGNS INC MCLEAN VIRGINIA	S 1,846 = 1,846
			304	DESIGNERS & PLANNERS INC ARLINGTON VIRGINIA	S 1,841 = 1,841

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305	TETRA TECH INC PASADENA CALIFORNIA SAN DIEGO CALIFORNIA WASHINGTON DC ARLINGTON VIRGINIA	1,825 + 841 488 387 409	329	FLIGHT SYSTEMS INC NEWPORT BEACH CALIFORNIA HOLLOMAN AFB NEW MEXICO WHITE SANDS MS NEW MEXICO	S 1,622 + 252 34 1,336
306	XEROX CORP PALO ALTO CALIFORNIA PASADENA CALIFORNIA WEBSTER NEW YORK	1,822 + 345 1,429 48	332	SUMMIT RESEARCH CORP GAITHERSBURG MARYLAND	S 1,596 + 1,596
307	ADVANCED INFORMATION & DECN SYS LOS ALTOS CALIFORNIA MOUNTAIN VIEW CALIFORNIA	S 1,820 + 220 1,600	333	ORINCON CORP LA JOLLA CALIFORNIA	S 1,592 + 1,592
309	FAIRCHILD CAMERA & INSTRUMENT CORP SYOSSET NEW YORK	1,815 + 1,815	334	I L C DOVER FREDERICA DELAWARE	1,590 + 1,590
311	SIPPICAN CORP MARION MASS	S 1,785 + 1,785	335	TECHNOLOGY INC DAYTON OHIO BROOKS AFB TEXAS SAN ANTONIO TEXAS	S 1,568 + 509 925 134
312	AMERICAN ELECTRONIC LABS INC LANSDALE PA MONTGOMERYVILL PA	1,769 + 869 900	336	HONEYWELL INFORMATION SYSTEMS INC MINNEAPOLIS MINNESOTA MCLEAN VIRGINIA SEATTLE WASHINGTON	1,562 + 168 1,213 181
313	CONTEL INFORMATION SYSTEMS INC BETHESDA MARYLAND GREAT NECK NEW YORK DAYTON OHIO VIENNA VIRGINIA	1,755 + 1,125 240 180 210	337	GENERAL ATRONICS CORP PHILADELPHIA PA	1,561 + 1,561
314	ALTUS CORP SAN JOSE CALIFORNIA	S 1,748 + 1,748	338	SIGNATRON INC LEXINGTON MASS	S 1,561 + 1,561
316	PACER SYSTEMS INC BURLINGTON MASS FORT WASHINGTO PA ARLINGTON VIRGINIA	S 1,743 + 591 989 163	339	STANFORD TELECOMMUNICATIONS INC SUNNYVALE CALIFORNIA	S 1,560 + 1,560
318	ARMAMENT SYSTEMS INC ANAHEIM CALIFORNIA ABERDEEN PROV MARYLAND	S 1,723 + 1,523 200	340	ARETE ASSOCIATES INC ENCINO CALIFORNIA SANTA MONICA CALIFORNIA	S 1,553 + 1,241 312
321	GEO CENTERS INC SUITLAND MARYLAND NEEDHAM HEIGHT MASS NEWTON UPPER F MASS DOVER NEW JERSEY	S 1,686 + 165 301 1,170 50	341	ADVANCED MARINE ENTERPRISES INC ARLINGTON VIRGINIA	S 1,544 + 1,544
322	BATTELLE COLUMBUS LABORATORIES FORT MC CLELLA ALABAMA TEMPE ARIZONA ARVADA COLORADO TALLAHASSEE FLORIDA MANHATTAN KANSAS RENO NEVADA COLUMBUS OHIO SALT LAKE CITY UTAH	1,681 + 29 31 67 21 74 36 1,397 26	342	ROME RESEARCH CORP GRIFFISS AFB NEW YORK NEW HARTFORD NEW YORK ROME NEW YORK	S 1,543 + 550 464 529
323	STEARNS ROGER INC VANDENBERG AFB CALIFORNIA DENVER COLORADO	1,661 + 1,748 67-	343	GENTEX CORP CARBONDALE PA	S 1,540 + 1,540
326	CORVUS SYSTEMS INC MCLEAN VIRGINIA VIENNA VIRGINIA	S 1,639 + 753 886	346	ATLANTIC ANALYSIS CORP NORFOLK VIRGINIA	S 1,508 + 1,508
327	ADVANCED RESEARCH & APPL CORP SUNNYVALE CALIFORNIA	S 1,630 + 1,630	348	SUPPORT SYSTEMS ASSOCIATES INC BURLINGTON MASS DAYTON OHIO WRIGHT PATTERS OHIO	S 1,494 + 819 358 317
			349	DEFENSE SYSTEMS INC ARLINGTON VIRGINIA MCLEAN VIRGINIA	S 1,489 + 767 722
			350	PHYSICAL DYNAMICS INC LA JOLLA CALIFORNIA ARLINGTON VIRGINIA BELLEVUE WASHINGTON	S 1,484 + 089 106 288
			351	GLOBAL MARINE DEVELOPMENT INC IRVINE CALIFORNIA NEWPORT BEACH CALIFORNIA	1,483 + 304 179
			352	SPECTRA RESEARCH SYSTEMS INC HUNTSVILLE ALABAMA IRVINE CALIFORNIA NEWPORT BEACH CALIFORNIA	S 1,482 + 473 100 908

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
353	SYSTEMS PLANNING & ANALYSIS INC ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	S 1,478 + 354 1,124	377	SIEPRA RESEARCH CORP BUFFALO NEW YORK	1,329 + 1,329
354	VISIDYNE INC BURLINGTON MASS WOBURN MASS	S 1,478 + 1,428 50	378	B K DYNAMICS INC SAN DIEGO CALIFORNIA ROCKVILLE MARYLAND	S 1,313 + 50 1,263
355	ENGINEERING RESEARCH ASSOCIATES MCLEAN VIRGINIA RESTON VIRGINIA	S 1,475 + 1,110 365	379	MAC AULAY BROWN INC DAYTON OHIO FAIRBORN OHIO	S 1,306 + 585 721
356	TELEDYNE GEOTECH GARLAND TEXAS ALEXANDRIA VIRGINIA ARLINGTON VIRGINIA	1,473 + 468 85 920	380	TITAN SYSTEMS INC LA JOLLA CALIFORNIA SAN DIEGO CALIFORNIA COLORADO SPRING COLORADO MCLEAN VIRGINIA	S 1,283 + 487 149 96 551
357	SANTA FE CORP ALEXANDRIA VIRGINIA	S 1,472 + 1,472	382	CHRYSLER CORP HUNTSVILLE ALABAMA NEW ORLEANS LOUISIANA STERLING HEIGHTS MICHIGAN	1,280 + 1,460 20 200-
359	AERODYNE RESEARCH INC BEDFORD MASS BILLERICA MASS	S 1,467 + 837 530	383	MEGAPULSE INC BEDFORD MASS	S 1,276 + 1,276
360	OPTI METRICS INC ANN ARBOR MICHIGAN WHITE SANDS MS NEW MEXICO	S 1,465 + 433 1,032	385	CONTRAVES GOERZ CORP PITTSBURGH PA	1,268 1,268
361	PROTOTYPE DEVELOPMENT INC SANTA ANA CALIFORNIA	S 1,465 + 1,465	386	TECHNITROL INC PHILADELPHIA PA	1,267 + 1,267
362	INCO INC COLORADO SPRING COLORADO ENT AFB COLORADO MCLEAN VIRGINIA	S 1,442 + 98 36 308	387	LITTON INDUSTRIES INC TEMPE ARIZONA CANOGA PARK CALIFORNIA SAN CARLOS CALIFORNIA COLLEGE PARK MARYLAND WILLIAMSPORT PA	1,257 + 35 15 360 742 105
363	APPLIED SCIENCE ASSOCIATES INC APEX NCAR FORT SILL OKLAHOMA VALENCIA PA EL PASO TEXAS FORT BLISS TEXAS	S 1,439 + 100 46 895 100 98	388	MCLEAN RESEARCH CENTER INC MCLEAN VIRGINIA	S 1,255 + 1,255
365	B E I ELECTRONICS INC CAMDEN ARKANSAS LITTLE ROCK ARKANSAS EULESS TEXAS	S 1,409 + 356 50 893	389	A M A F INDUSTRIES INC COLUMBIA MARYLAND	S 1,237 + 1,237
367	DELEX SYSTEMS INC VIENNA VIRGINIA	S 1,394 + 1,394	390	GENERAL ATOMIC CO SAN DIEGO CALIFORNIA	S 1,228 + 1,228
370	PACCAR INC RENTON WASHINGTON	1,384 + 1,384	391	AMP NAPLES CORP SANTA BARBARA CALIFORNIA SPRINGFIELD VIRGINIA	S 1,222 + 1,127 95
371	WASHINGTON PATROL SERVICE INC T Y PAC S	S 1,314 + 1,314	392	ENGINEERING INC AMBRIDGE MASS	S 1,220 + 1,220
372	OCEAN DATA SYSTEMS INC MONTEREY CALIFORNIA ROCKVILLE MARYLAND	S 1,304 + 3 34	393	TECHNOLOGY INC COSTA MESA CALIFORNIA	1,194 1,194
373	FREQUENCY & TIME SYSTEMS INC BEVERLY MASS	S 1,304 + 34	394	SYSTEMS CORP LIBERTY LAVENOR KANSAS	S 1,192 + 1,192
375	PHYSICAL SCIENCES CORP WOBURN MASS	S 1,298 + 1,298	395	SYSTEMS CORP LAUREL MARYLAND	S 1,183 + 1,183
378	TECHNOLOGY DEVELOPMENT CORP ARLINGTON VIRGINIA TEXAS	S 1,231 + 31 31	396	RESEARCH INC MONTGOMERY ALABAMA	S 1,179 + 1,179

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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
402	ASSURANCE TECHNOLOGY CORP CARLISLE MASS	S 1,170 1,170	427	WHEELERS INDUSTRIES INC WASHINGTON DC	S 1,044 1,044
403	NIELSEN ENGINEERING & RESEARCH CO MOUNTAIN VIEW CALIFORNIA	S 1,165 1,165	428	MCGRAW HILL CONTINUING EDUCATION SILVER SPRING MARYLAND	1,039 1,039
404	WESTON ROY F WEST CHESTER PA	S 1,164 1,164	430	WAGNER DANIEL H ASSOCIATES INC PAOLI PA HAMPTON VIRGINIA	S 1,024 983 41
405	DIGITAL TECHNOLOGY INC CHAMPAIGN ILLINOIS DAYTON OHIO	S 1,157 1,072 85	431	G T E LABORATORIES INC WALTHAM MASS	1,023 1,023
406	ELECTRONIC ASSOCIATES INC WARREN MICHIGAN WEST LONG BRAN NEW JERSEY	1,146 92 1,054	432	SIERRA GEOPHYSICS INC ARCADIA CALIFORNIA REDMOND WASHINGTON	S 1,018 516 502
407	SPARTA INC HUNTSVILLE ALABAMA LEXINGTON MASS	S 1,141 1,043 98	433	CONSOLIDATED ANALYSIS CENTER INC ARLINGTON VIRGINIA	S 1,014 1,014
408	XONTECH INC LOS ANGELES CALIFORNIA VAN NUYS CALIFORNIA	S 1,140 60 1,080	434	SCOPE ELECTRONICS INC RESTON VIRGINIA	1,009 1,009
410	S T D RESEARCH CORP ARCADIA CALIFORNIA	S 1,131 1,131	435	KTECH CORP ALBUQUERQUE NEW MEXICO	S 1,008 1,008
411	ROHM & HAAS CO HUNTSVILLE ALABAMA SPRING HOUSE PA	1,126 268 858	436	ELECTRO MAGNETIC APPLICATIONS INC ALBUQUERQUE NEW MEXICO	S 1,003 1,003
412	SYSTEMS ENGINEERING LABORATORIES WILLIAMS AFB ARIZONA	1,126 1,126	438	GEOMET TECHNOLOGIES INC ROCKVILLE MARYLAND	S 992 992
413	RAYTHEON SERVICE CO BEDFORD MASS WRIGHT PATTERS OHIO ARLINGTON VIRGINIA	1,123 565 410 148	439	KERNCO ONC DANVERS MASS	S 986 986
414	WESTERN RESEARCH CORP SAN DIEGO CALIFORNIA	S 1,123 1,123	440	MATERIAL CONCEPTS INC COLUMBUS OHIO	S 986 986
415	NEW TECHNOLOGY INC HUNTSVILLE ALABAMA	S 1,120 1,120	443	PACIFICA TECHNOLOGY DEL MAR CALIFORNIA SAN DIEGO CALIFORNIA	S 980 768 212
417	MERRIT J L CNSLT & SPEC ENGR SVS REDLANDS CALIFORNIA	S 1,093 1,093	444	D W A COMPOSITES SPECIALTIES INC CHATSWORTH CALIFORNIA	S 978 978
418	BALL BROS RESEARCH CORP BOULDER COLORADO	1,085 1,085	445	MECHANICAL EQUIPMENT CO INC NEW ORLEANS LOUISIANA	S 977 977
419	GARD INC NILES ILLINOIS	1,082 1,082	446	ESSEX CORP WHITE SANDS MS NEW MEXICO WARMINSTER PA ALEXANDRIA VIRGINIA	S 971 142 45 784
420	VECTOR RESEARCH INC ANN ARBOR MICHIGAN	S 1,078 1,078	447	MINE SAFETY APPLIANCES CO EVANS CITY PA MURRYSVILLE PA	968 866 102
421	LOCKHEED SHIPBUILDING CONSTRUCTION PHILADELPHIA PA SEATTLE WASHINGTON	1,074 15 1,059	451	SCIENTIFIC RESEARCH ASSOCIATES GLASTONBURY CONN HARTFORD CONN ROCKVILLE MARYLAND	S 954 648 130 176
422	ROSENBAUM HAROLD ASSOCIATES INC BURLINGTON MASS LEXINGTON MASS	S 1,073 453 820	452	CANYON RESEARCH GROUP INC WESTLAKE VILLA CALIFORNIA	S 953 953
423	POLARIS INC ARLINGTON VIRGINIA	S 1,072 1,072	453	HYDROTRONICS INC ANAHEIM CALIFORNIA MCLEAN VIRGINIA	952 17 935
426	SYSCON CORP SAN DIEGO CALIFORNIA WASHINGTON DC ALBUQUERQUE NEW MEXICO	1,061 80 79 922	454	LIFE SUPPORT SYSTEMS INC MOUNTAIN VIEW CALIFORNIA	S 946 946

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
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(Concluded)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
455	WESTERN GEAR CORP JAMESTOWN NDAK	942 * 942	477	POLAR RESEARCH LABORATORY INC SANTA BARBARA CALIFORNIA	S 870 * 870
456	APPLICATIONS RESEARCH CORP DAYTON OHIO	S 941 * 771	478	TELEPHONICS CORP HUNTINGTON NEW YORK	865 865
	WRIGHT PATTERS OHIO	170	479	SCIENTIFIC TECH ASSOCIATES INC PRINCETON NEW JERSEY	S 861 * 861
457	COMSAT GENERAL CORP WASHINGTON DC	941 * 941	480	SIGNAL SCIENCE INC SANTA CLARA CALIFORNIA	S 861 * 861
458	ANAMET LABORATORIES INC KIRTLAND AFB NEW MEXICO	939 * 326	481	NEVADA ENGINEERING & TECHNOLOGY LONG BEACH CALIFORNIA	S 857 * 857
	WRIGHT PATTERS OHIO	613	484	DELTA RESEARCH INC HUNTSVILLE ALABAMA	S 848 * 848
459	ADAPTIVE OPTICS ASSOCIATES INC CAMBRIDGE MASS	S 931 * 931	485	PATEL ENTERPRISES INC HUNTSVILLE ALABAMA	S 848 * 848
460	APPLIED TECHNOLOGY ASSOCIATES INC SUNNYVALE CALIFORNIA	931 * 72	487	FREQUENCY ELECTRONICS INC HYDE PARK NEW YORK	S 830 * 619
	KIRTLAND AFB NEW MEXICO	659		MITCHELL AFB NEW YORK	75
461	HELIONETICS INC IRVINE CALIFORNIA	S 924 * 924		NEW HYDE PARK NEW YORK	136
462	HOUSEHOLD DATA SERVICES INC RESTON VIRGINIA	S 921 * 921	488	VARO INC GARLAND TEXAS	830 * 830
463	LEAR SIEGLER INC GRAND RAPIDS MICHIGAN	921 * 921	489	MONSANTO RESEARCH CORP DAYTON OHIO	829 * 724
464	EASTMAN KODAK CO ROCHESTER NEW YORK	918 * 918		WRIGHT PATTERS OHIO	105
465	SPECTRON DEVELOPMENT LABORATORIES COSTA MESA CALIFORNIA	S 918 * 918	490	M A N TRUCK & BUS CORP SOUTHFIELD MICHIGAN	827 * 797
467	ALPHATECH INC BURLINGTON MASS	S 917 * 917		CLEVELAND NCAR	30
468	APPLICON INC BURLINGTON MASS	S 915 * 915	491	BOOZ ALLEN APPLIED RESEARCH INC BETHESDA MARYLAND	822 * 752
469	INFORMATION SPECTRUM INC CHERRY HILL NEW JERSEY	S 914 * 355		HANSCOM AFB MASS	70
	ARLINGTON VIRGINIA	559	492	VREDENBURG R M & CO MCLEAN VIRGINIA	S 822 * 822
470	SCIENTIFIC SYSTEMS INC CAMBRIDGE MASS	S 898 * 898	494	SCIPAR INC BUFFALO NEW YORK	S 819 * 819
471	ADAPTIVE SENSORS INC SANTA MONICA CALIFORNIA	S 897 * 897	495	E M SYSTEMS INC SUNNYVALE CALIFORNIA	S 812 * 812
472	MARK RESOURCES INC LOS ANGELES CALIFORNIA	S 897 * 38	496	DECISION SCIENCE APPLICATIONS INC ARLINGTON VIRGINIA	S 810 * 810
	MARINA DEL REY CALIFORNIA	640	497	SCIENCE & TECHNOLOGY INC HUNTSVILLE ALABAMA	S 809 * 373
	SANTA MONICA CALIFORNIA	219		HAMPTON VIRGINIA	436
473	ACTION MFG CO PHILADELPHIA PA	S 889 * 889	498	WESTAT INCV ROCKVILLE MARYLAND	809 * 809
474	CALCULON CORP MIDDLETOWN NEW JERSEY	S 887 * 167	499	BEDFORD RESEARCH ASSOCIATES INC HANSCOM AFB MASS	S 804 * 804
	SHREWSBURY NEW JERSEY	145	500	ANACAPA SCIENCES INC DOTHAN ALABAMA	S 802 * 462
	TINTON FALLS NEW JERSEY	547		SANTA BARBARA CALIFORNIA	340
	PHILADELPHIA PA	28			13,101,315
475	RADIAN CORP AUSTIN TEXAS	880 * 880			
476	E G & O WASHINGTON ANAL SVC CEN ROCKVILLE MARYLAND	874 * 874			

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S * SMALL BUSINESS

Table 3. Net Value of DOD Prime Contract Awards Over \$10,000 for RDT&E to Educational and Nonprofit Institutions: FY 1982

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS		
12	AEROSPACE CORP EL SEGUNDO CALIFORNIA	236,646 *		BATTELLE MEMORIAL INSTITUTE ADELPHI MARYLAND	37		
13	JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND LAUREL MARYLAND	235,617 *		BURLINGTON MASS CAMBRIDGE MASS LEXINGTON MASS NATICK MASS READING MASS WAKEFIELD MASS WATERTOWN MASS ANN ARBOR MICHIGAN MINNEAPOLIS MINNESOTA VICKSBURG MISS	32 52 18 21 36 39 39 91 25 13		
18	MASSACHUSETTS INSTITUTE TECHNOLOGY CAMBRIDGE MASS LEXINGTON MASS	216,562 *		BERKELEY HGTS NEW JERSEY DOVER NEW JERSEY FORT MONMOUTH NEW JERSEY RED BANK NEW JERSEY WHITE SANDS MS NEW MEXICO BROOKLYN NEW YORK BUFFALO NEW YORK NEW YORK NEW YORK DURHAM NCAR RALEIGH NCAR RESEARCH TRIAN NCAR CLEVELAND OHIO COLUMBUS OHIO DAYTON OHIO CORVALLIS OREGON PROVIDENCE RI TULLAHOMA TENNESSEE COLLEGE STATIO TEXAS ALEXANDRIA VIRGINIA FALLS CHURCH VIRGINIA FORT BELVOIR VIRGINIA FORT EUSTIS VIRGINIA FORT MONROE VIRGINIA HAMPTON VIRGINIA MCLEAN VIRGINIA ROANOKE VIRGINIA WARRENTON VIRGINIA YORKTOWN VIRGINIA RICHLAND WASHINGTON MADISON WISCONSIN	28,125 188,437		20 313 91 23 127 11 18 16 33 139 538 21 15,526 20 22 23 17 21 12 13 100 85 158 19 41 27 16 19 1,080 25
19	MITRE CORP BEDFORD MASS MCLEAN VIRGINIA	167,064 *		INSTITUTE FOR DEFENSE ANALYSIS ALEXANDRIA VIRGINIA ARLINGTON VIRGINIA	18,121 *		
43	ILLINOIS INSTITUTE TECHNOLOGY CHICAGO ILLINOIS ANNAPOLIS MARYLAND GRIFFISS AFB NEW YORK ROME NEW YORK WRIGHT PATTERS OHIO	44,418 *		TEXAS UNIVERSITY OF ARLINGTON TEXAS AUSTIN TEXAS DALLAS TEXAS EL PASO TEXAS GALVESTON TEXAS RICHARDSON TEXAS SAN ANTONIO TEXAS	15,720 *		
48	S R I INTERNATIONAL MENLO PARK CALIFORNIA	38,247 *		DAYTON UNIVERSITY OF WILLIAMS AFB ARIZONA EDWARDS AFB CALIFORNIA KIRTLAND AFB NEW MEXICO DAYTON OHIO WRIGHT PATTERS OHIO	13,505 *		
62	CALIFORNIA UNIVERSITY OF 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	35,345 *		PENNSYLVANIA STATE UNIVERSITY HERSHEY PA STATE COLLEGE PA UNIVERSITY PAR PA	12,264 *		
54	CHARLES STARK DRAPER LABS INC CAMBRIDGE MASS	33,664 *		WOODS HOLE OCEANOGRAPHIC INST WOODS HOLE MASS	11,798 11,798		
63	GEORGIA TECH RESEARCH INSTITUTE ATLANTA GEORGIA	26,689 *					
72	RAND CORP SANTA MONICA CALIFORNIA	22,844 *					
73	STANFORD UNIVERSITY MENLO PARK CALIFORNIA STANFORD CALIFORNIA	22,783 *					
77	BATTELLE MEMORIAL INSTITUTE HUNTSVILLE ALABAMA REDSTONE ARSEN ALABAMA TUCSON ARIZONA PINE BLUFF ARKANSAS LA JOLLA CALIFORNIA LONG BEACH CALIFORNIA MONTEREY CALIFORNIA SAN DIEGO CALIFORNIA STANFORD CALIFORNIA COMMERCE CITY COLORADO DENVER COLORADO FORT COLLINS COLORADO WASHINGTON DC GAINESVILLE FLORIDA ATLANTA GEORGIA FORT GORDON GEORGIA CHAMPAIGN ILLINOIS CHICAGO ILLINOIS FORT SHERIDAN ILLINOIS ROCK ISLAND ILLINOIS LOUISVILLE KENTUCKY ABERDEEN PROV MARYLAND	21,060 *					

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**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Educational and Nonprofit Institutions: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
96	NEW MEXICO STATE UNIVERSITY LAS CRUCES NEW MEXICO WHITE SANDS MS NEW MEXICO	11,745 + 2,399 9,346	191	RIVERSIDE RESEARCH INSTITUTE NEW YORK NEW YORK ARLINGTON VIRGINIA	3,811 + 3,473 336
104	WASHINGTON UNIVERSITY OF SEATTLE WASHINGTON	10,388 + 10,388	194	PENNSYLVANIA UNIVERSITY OF WASHINGTON DC PHILADELPHIA PA	3,790 + 127 3,663
107	CARNEGIE MELLON UNIVERSITY PITTSBURGH PA	10,028 + 10,028	195	GEORGIA INSTITUTE TECH ATLANTA GEORGIA	3,789 + 3,789
110	SOUTHERN CALIFORNIA UNIVERSITY OF LOS ANGELES CALIFORNIA MARINA DEL REY CALIFORNIA	9,854 + 9,700 154	199	WASHINGTON BOOKER T FOUNDATION WASHINGTON DC	3,708 + 3,708
113	UTAH STATE UNIVERSITY LOGAN UTAH	9,431 + 9,431	201	SOUTHERN RESEARCH INSTITUTE BIRMINGHAM ALABAMA	3,699 + 3,699
118	ILLINOIS UNIVERSITY OF CHAMPAIGN ILLINOIS CHICAGO ILLINOIS URBANA ILLINOIS	8,957 + 713 1,377 8,867	207	HUMAN RESOURCES RESEARCH ORGN ALEXANDRIA VIRGINIA	3,491 + 3,491
119	ANALYTIC SERVICES INC WILLOW GROVE PA ARLINGTON VIRGINIA	8,851 + 215 8,636	208	OREGON STATE UNIVERSITY CORVALLIS OREGON	3,485 + 3,485
120	SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO TEXAS	8,754 + 8,754	209	ARIZONA UNIVERSITY OF TUCSON ARIZONA	3,450 + 3,450
142	MARYLAND UNIVERSITY OF BALTIMORE MARYLAND COLLEGE PARK MARYLAND FORT MEADE MARYLAND	7,237 + 2,845 4,532 60	210	MASSACHUSETTS UNIVERSITY OF AMHERST MASS WORCESTER MASS	3,433 + 3,206 227
148	ROCHESTER UNIVERSITY OF ROCHESTER NEW YORK ARLINGTON VIRGINIA	6,976 + 1,565 5,391	213	VIRGINIA POLYTECHNIC INSTITUTE BLACKSBURG VIRGINIA	3,389 + 3,389
152	NEW MEXICO UNIVERSITY OF ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO LAS CRUCES NEW MEXICO	6,566 + 971 5,570 25	229	PRINCETON UNIVERSITY PRINCETON NEW JERSEY	2,855 + 2,855
162	ENVIRONMENTAL RSCH INST OF MICH ANN ARBOR MICHIGAN	5,505 + 5,505	231	BOSTON COLLEGE CHESTNUT HILL MASS HANSCOM AFB MASS NEWTON MASS WESTON MASS	2,811 + 1,893 180 217 521
164	COLUMBIA UNIVERSITY NEW YORK NEW YORK PALISADES NEW YORK	5,468 + 4,134 1,334	232	FLORIDA STATE UNIVERSITY GAINESVILLE FLORIDA TALLAHASSEE FLORIDA	2,786 + 523 2,263
165	CALIFORNIA INSTITUTE OF TECHNOLOGY FORT HUACHUCA ARIZONA PASADENA CALIFORNIA	5,355 + 155 6,200	233	SYRACUSE RESEARCH CORP SYRACUSE NEW YORK	2,781 + 2,781
173	CORNELL UNIVERSITY ITHACA NEW YORK NEW YORK NEW YORK	4,872 + 4,884 288	235	SOUTHEASTERN CTR ELECT ENGR EDUC ORLANDO FLORIDA ST CLOUD FLORIDA WRIGHT PATTERS OHIO	2,760 + 249 2,313 198
177	OHIO STATE UNIV RESERCH FOUNDATION COLUMBUS OHIO	4,874 + 4,874	236	MIAMI UNIVERSITY OF CORAL GABLES FLORIDA MIAMI FLORIDA	2,752 + 2,279 473
179	WISCONSIN UNIVERSITY OF MADISON WISCONSIN PLATTEVILLE WISCONSIN	4,811 + 4,877 34	237	OKLAHOMA STATE UNIVERSITY OF EGLIN AFB FLORIDA STILLWATER OKLAHOMA	2,746 + 1,455 1,291
182	YALE UNIVERSITY NEW HAVEN CONN	4,204 + 4,204	238	GEORGE WASHINGTON UNIVERSITY WASHINGTON DC	2,736 + 2,736
184	MICHIGAN UNIVERSITY OF ANN ARBOR MICHIGAN PONTIAC MICHIGAN	4,095 + 3,980 115	239	HARVARD UNIVERSITY BOSTON MASS CAMBRIDGE MASS	2,736 + 60 2,676
			241	BOSTON UNIVERSITY BOSTON MASS CHESTNUT HILL MASS	2,702 + 2,644 58

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(Continued)**

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247	DENVER UNIVERSITY OF DENVER COLORADO	2,635 + 2,635	319	NORTH CAROLINA STATE UNIVERSITY RALEIGH NCAR	1,718 + 1,718
258	MINNESOTA UNIVERSITY OF MINNEAPOLIS MINNESOTA ST PAUL MINNESOTA	2,459 + 1,409 1,050	320	IOWA UNIVERSITY OF AMES IOWA IOWA CITY IOWA	1,703 + 36 1,667
260	PURDUE RESEARCH FOUNDATION LAFAYETTE INDIANA WEST LAFAYETTE INDIANA	2,430 + 732 1,698	324	RESEARCH TRIANGLE INSTITUTE RESEARCH TRIAN NCAR	1,680 + 1,680
264	UTAH UNIVERSITY OF SALT LAKE CITY UTAH	2,387 + 2,387	325	NORTH CAROLINA UNIVERSITY OF CHAPEL HILL NCAR WILMINGTON NCAR	1,676 + 1,637 39
268	SALK INSTITUTE THE SAN DIEGO CALIFORNIA SWIFTWATER PA	2,346 + 122 2,224	328	NEW YORK POLYTECHNIC INSTITUTE BROOKLYN NEW YORK NEW YORK NEW YORK	1,626 + 1,561 65
271	NEW YORK STATE UNIV RESEARCH FOUND ALBANY NEW YORK BINGHAMTON NEW YORK BUFFALO NEW YORK STONY BROOK NEW YORK	2,314 + 2,119 88 72 35	331	MICHIGAN STATE UNIVERSITY EAST LANSING MICHIGAN	1,619 + 1,619
272	RENSSELAER POLYTECHNIC INSTITUTE TROY NEW YORK	2,305 + 2,305	344	CALIFORNIA STATE OF BERKELEY CALIFORNIA SACRAMENTO CALIFORNIA	1,531 + 1,499 32
276	HAWAII UNIVERSITY OF HONOLULU HAWAII	2,214 + 2,214	345	TENNESSEE UNIVERSITY OF KNOXVILLE TENNESSEE MEMPHIS TENNESSEE TULLAHOMA TENNESSEE	1,531 + 1,140 15 376
279	TEXAS A & M RESEARCH FOUNDATION COLLEGE STATIO TEXAS	2,153 + 2,153	347	TEXAS TECHNOLOGICAL COLLEGE LUBBOCK TEXAS	1,508 + 1,508
280	FLORIDA UNIVERSITY GAINESVILLE FLORIDA	2,143 + 2,143	358	STEVENS INSTITUTE OF TECHNOLOGY HOBOKEN NEW JERSEY	1,469 + 1,469
283	COLORADO UNIVERSITY BOULDER COLORADO COLORADO SPRIN COLORADO DENVER COLORADO	2,073 + 1,757 55 261	364	VIRGINIA UNIVERSITY OF CHARLOTTESVILL VIRGINIA	1,415 + 1,415
286	LEHIGH UNIVERSITY BETHLEHEM PA	2,034 + 2,034	368	DUKE UNIVERSITY DURHAM NCAR	1,390 + 1,390
287	RHODE ISLAND UNIVERSITY OF KINGSTON RI	2,018 + 2,018	369	WENTWORTH INSTITUTE BOSTON MASS	1,387 + 1,387
294	BROWN UNIVERSITY PROVIDENCE RI	1,942 + 1,942	374	NEW MEXICO INSTITUTE MINING & TECH SOCORRO NEW MEXICO	1,340 + 1,340
296	NORTHEASTERN UNIVERSITY BOSTON MASS	1,920 + 1,920	380	KANSAS UNIVERSITY OF KANSAS CITY KANSAS LAWRENCE KANSAS KANSAS CITY MISSOURI	1,287 + 248 961 78
297	NORTHWESTERN UNIVERSITY EVANSTON ILLINOIS	1,916 + 1,916	384	CLEMSON UNIVERSITY CLEMSON SCAR	1,273 + 1,273
299	NEW YORK UNIVERSITY NEW YORK NEW YORK	1,896 + 1,896	389	CONNECTICUT UNIVERSITY OF FARMINGTON CONN STORRS CONN	1,241 + 268 973
308	PITTSBURGH UNIVERSITY OF PITTSBURGH PA	1,817 + 1,817	391	MICHIGAN TECHNOLOGICAL UNIVERSITY HOUGHTON MICHIGAN	1,231 + 1,231
310	COLORADO STATE UNIVERSITY FORT COLLINS COLORADO	1,806 + 1,806	393	DREXEL UNIVERSITY PHILADELPHIA PA	1,230 + 1,230
315	CASE WESTERN RESERVE UNIVERSITY CLEVELAND OHIO	1,744 + 1,744	409	FLORIDA TECHNOLOGICAL UNIVERSITY ORLANDO FLORIDA	1,132 + 1,132
317	GEORGETOWN UNIVERSITY WASHINGTON DC	1,730 + 1,730	416	LA JOLLA INSTITUTE LA JOLLA CALIFORNIA	1,094 + 1,094

- + MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Educational and Nonprofit Institutions: FY 1982
(Concluded)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
424	LOUISIANA STATE UNIVERSITY OF BATON ROUGE LOUISIANA NEW ORLEANS LOUISIANA	1,070 - 1,022 48			
429	RUTGERS UNIVERSITY NEW BRUNSWICK NEW JERSEY PISCATAWAY NEW JERSEY	1,024 - 976 48			
437	SYRACUSE UNIVERSITY ROME NEW YORK SYRACUSE NEW YORK	1,003 - 234 769			
441	HOWARD UNIVERSITY WASHINGTON DC	982 - 982			
442	PALISADES INSTITUTE NEW YORK NEW YORK	982 - 982			
446	MISSOURI UNIVERSITY OF COLUMBIA MISSOURI KANSAS CITY MISSOURI ROLLA MISSOURI	963 - 852 147 264			
449	WASHINGTON STATE UNIVERSITY PULLMAN WASHINGTON	957 - 957			
450	EMMANUEL COLLEGE LEXINGTON MASS	955 - 955			
466	ALABAMA UNIVERSITY OF BIRMINGHAM ALABAMA HUNTSVILLE ALABAMA NORMAL ALABAMA UNIVERSITY ALABAMA	917 - 275 529 25 88			
482	ARIZONA STATE UNIVERSITY TEMPE ARIZONA	852 - 852			
483	WASHINGTON UNIVERSITY ST LOUIS MISSOURI	849 - 849			
486	PALISADES GEOPHYSICAL INSTITUTE WEST NYACK BERMUDA NEW YORK NEW YORK	831 - 70- 901			
		1,457,168			

- • MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 4. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Foreign Contractors: FY 1982**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
143	CANADIAN COMMERCIAL CORP CANADA	7,206 *			
	WARMINSTER PA	7,121			
	MILAN TENNESSEE	67			
		18			
170	MARCONI CO LTD UN KINGDOM	5,000 *			
		5,000			
251	MARCONI AVIONICS INC UN KINGDOM	2,524 *			
		2,524			
330	A S KONSBERG VAPENFABRIKK NORWAY	1,620 *			
		1,620			
366	UNDERWATER & MARINE EQUIPMENT LTD UN KINGDOM	1,400 *			
		1,400			
397	HUNTING ENGINEERING LTD UN KINGDOM	1,218 *			
		1,218			
493	R E O S C FRANCE	820 *			
		820			
		19,788			

* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 5. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to U.S. Government Agencies: FY 1982**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
78	UNITED STATES NATL AERO SPACE AGY PASADENA CALIFORNIA	20,248 *			
	LANGLEY AFB VIRGINIA	158			
	RIDGELEY WVA	78			
		20,012			
117	NATIONAL ACADEMY OF SCIENCES	9,038 *			
	MONTEREY CALIFORNIA	81			
	WASHINGTON DC	8,363			
	ABERDEEN PROV MARYLAND	195			
	BETHESDA MARYLAND	399			
240	UNITED STATES COMMERCE DEPT	2,715 *			
	BOULDER COLORADO	1,216			
	WASHINGTON DC	1,326			
	GAITHERSBURG MARYLAND	54			
	ROCKVILLE MARYLAND	79			
	SEATTLE WASHINGTON	40			
425	NATIONAL SCIENCE FOUNDATION	1,065 *			
	WASHINGTON DC	1,065			
		33,066			

* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

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