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PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AB22	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/FIRE PREVENTION & CONTROL-EXPLOR DEV	$ 27
AB91	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER COMMUNITY SVC&DEVELOP-RESEARCH	700
AB96	COMDISCO DSASTER RECOVERY SVCS	Illinois	ARMY	RDTE/OTHER COMMUNITY SVC&DEVELOP-MGMT&SUP	144
	Y M C A OF THE UNITED STATES	Hawaii	NAVY	RDTE/OTHER COMMUNITY SVC&DEVELOP-MGMT&SUP	26-
	R&D TOTAL				118
AC11	ALLIED SIGNAL INC	New Jersey	NAVY	RDTE/AIRCRAFT - RESEARCH	310
	ANALYTICAL METHODS INC	Washington	NAVY	RDTE/AIRCRAFT - RESEARCH	42
	ANAMET LABORATORIES INC	Ohio	USAF	RDTE/AIRCRAFT - RESEARCH	364
	BELL BOEING JV	Texas	NAVY	RDTE/AIRCRAFT - RESEARCH	103,491
	DECEL INC	Florida	NAVY	RDTE/AIRCRAFT - RESEARCH	128
	EAGLE TECHNOLOGY INC	Virginia	NAVY	RDTE/AIRCRAFT - RESEARCH	1,156
	ELECTROSPACE SYSTEMS INC	Florida	USAF	RDTE/AIRCRAFT - RESEARCH	408
	FAILURE ANALYSIS ASSOCIATES	California	NAVY	RDTE/AIRCRAFT - RESEARCH	50
	GENERAL ELECTRIC COMPANY	Ohio	NAVY	RDTE/AIRCRAFT - RESEARCH	485
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/AIRCRAFT - RESEARCH	6,425
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/AIRCRAFT - RESEARCH	1,193
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/AIRCRAFT - RESEARCH	1,500
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/AIRCRAFT - RESEARCH	3,635
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/AIRCRAFT - RESEARCH	32
	HUMBUG MOUNTAIN RESERACH LABS	California	NAVY	RDTE/AIRCRAFT - RESEARCH	50
	LIFE SYSTEMS INC	Ohio	ARMY	RDTE/AIRCRAFT - RESEARCH	319
	LOUISIANA TECH UNIVERSITY	Louisiana	NAVY	RDTE/AIRCRAFT - RESEARCH	70
	MC DONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/AIRCRAFT - RESEARCH	72
			USAF	RDTE/AIRCRAFT - RESEARCH	39-
	STATE TOTAL				33
	PIASECKI AIRCRAFT CORP	Penn	ARMY	RDTE/AIRCRAFT - RESEARCH	500
	Q E D SYSTEMS INC	Virginia	NAVY	RDTE/AIRCRAFT - RESEARCH	68

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PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC11 (CONTINUED)					
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/AIRCRAFT - RESEARCH	$ 8,299
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/AIRCRAFT - RESEARCH	35
	SRI INTERNATIONAL	California	NAVY	RDTE/AIRCRAFT - RESEARCH	49
	SUMMIT AVIATION INC	Delaware	ARMY	RDTE/AIRCRAFT - RESEARCH	3,773
	TECHNOLOGY INTERNATIONAL INC	Louisiana	NAVY	RDTE/AIRCRAFT - RESEARCH	50
	TERRA TEK INC	Utah	NAVY	RDTE/AIRCRAFT - RESEARCH	49
	TITAN CORPORATION	California	NAVY	RDTE/AIRCRAFT - RESEARCH	74
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/AIRCRAFT - RESEARCH	100
		Florida	NAVY	RDTE/AIRCRAFT - RESEARCH	277
	CONTRACTOR TOTAL				377
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/AIRCRAFT - RESEARCH	4,750
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/AIRCRAFT - RESEARCH	905
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/AIRCRAFT - RESEARCH	61
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	NAVY	RDTE/AIRCRAFT - RESEARCH	47
	WAGNER CASTINGS COMPANY	Illinois	NAVY	RDTE/AIRCRAFT - RESEARCH	224
	WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/AIRCRAFT - RESEARCH	300
R&D TOTAL					139,252
AC12	ALLIED SIGNAL AEROSPACE CO	Arizona	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	289
			NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	144
		STATE TOTAL			433
		California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	402
	CONTRACTOR TOTAL				835
	ANAMET LABORATORIES INC	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	49
	AVCO CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	324
	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	185

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC12 (CONTINUED)					
	BDM SERVICES COMPANY	Virginia	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	$ 193
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	339
	BOEING COMPANY THE	Penn	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	764
		Washington	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	125
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	308
		STATE TOTAL			433
	CONTRACTOR TOTAL				1,197
	BURNETTE ENGINEERING	Ohio	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	84
	CALSPAN CORPORATION	New York	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	430
	CHROMATICS INC	Georgia	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	74
	CONRAD TECHNOLOGIES INC	Penn	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	26
	DECEL INC	Florida	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	50
	DOW CORNING CORPORATION	Michigan	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	3,946
	ESL INCORPORATED	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	750
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	146
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	664
			NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	102
		STATE TOTAL			766
		Ohio	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	342
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	3,456
		STATE TOTAL			3,798
	CONTRACTOR TOTAL				4,564
	GENERAL MOTORS CORPORATION	Indiana	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	474
			NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	119
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	783
		STATE TOTAL			1,376
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	44

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AC12 (CONTINUED)						
	GRUMMAN CORPORATION	New York	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	$	200
	H R TEXTRON INC	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		75
	HONEYWELL INC	Florida	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		1,000
	HUGHES ACFT & TEXAS INSTR JV	California	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		2,463
	I I T RESEARCH INSTITUTE	Illinois	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		50
	KAMAN AEROSPACE CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		120
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		34
	LTV AEROSPACE & DEFENSE CO	Texas	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		160
	MC DONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		859
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		389
	STATE TOTAL					1,248
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		294
	NORTHROP CORPORATION	California	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		50
			NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		185
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		294
	STATE TOTAL					529
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		122
	P D A ENGINEERING	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		50
	RAYTHEON COMPANY	Mass	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		3,968
	REFRACTORY COMPOSITES INC	California	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		46
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		439
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		51
	STATE TOTAL					490
	ROLLS-ROYCE INC	Georgia	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		74
		UNITED KIN	USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		152
	CONTRACTOR TOTAL					226
	SIMULA INC	Arizona	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT		84

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC12 (CONTINUED)					
	SUNDSTRAND CORPORATION	Illinois	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	$ 191
	SURVICE ENGINEERING COMPANY	Maryland	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	95
	TELEDYNE INDUSTRIES INC	California	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	199
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	16,410
			NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	3,990
		STATE TOTAL			20,400
		Florida	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	475
			NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	1,351
		STATE TOTAL			1,826
	CONTRACTOR TOTAL				22,226
	UNIVERSITY OF DAYTON INC	Ohio	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	31
	VECTOR RESEARCH INC	Michigan	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	105
	VITRO CORPORATION	Maryland	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	633
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	19,114
	WILLIAMS INTERNATIONAL CORP	Michigan	ARMY	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	221
			USAF	RDTE/AIRCRAFT - EXPLORATORY DEVELOPMENT	163
		STATE TOTAL			384
R&D TOTAL					68,749
AC13	ALLIED SIGNAL AEROSPACE CO	Arizona	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	50
			USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	2,482
		STATE TOTAL			2,532
	ALLIED SIGNAL INC	Arizona	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	2,047
		California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	300
	CONTRACTOR TOTAL				2,347
	ANAMET LABORATORIES INC	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	511
	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,867
	AVCO CORPORATION	Mass	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	59

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC13 (CONTINUED)					
	BOEING COMPANY THE	Penn	ARMY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	$ 1,859
		Washington	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	23,994
			USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	26,666
		STATE TOTAL			50,660
	CONTRACTOR TOTAL				52,519
	CACI INTERNATIONAL INC	Virginia	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	178
	CENTURY COMPUTING INC	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	323
	CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	36
	COMPUTER SCIENCES CORPORATION	New Jersey	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	900
	CONTEL PAGE SYSTEMS INC	Virginia	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	900
	DAVIS JOSEPH A CONSULTANTS INC	New York	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	42
	ELDEC CORPORATION	Washington	ARMY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	46
	FAIRCHILD INDUSTRIES INC	New York	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	47-
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	834
		Texas	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	20,909
	CONTRACTOR TOTAL				21,743
	GENERAL ELECTRIC COMPANY	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	203,174
	GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	6,537
	GRUMMAN AEROSPACE CORPORATION	California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	6,158
		New York	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	3,233
	CONTRACTOR TOTAL				9,391
	GTE PRODUCTS CORP DEL CORP	Mass	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	900
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	99
	HONEYWELL INC	Minnesota	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	734
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	68

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC13 (CONTINUED)					
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	$ 650-
	LEAR SIEGLER INC	California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	109
	LOCKHEED CORPORATION	California	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	16,674
			USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	72,266
		STATE TOTAL			88,940
		Georgia	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	3,468
	CONTRACTOR TOTAL				92,408
	LOGICON INC	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	30
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	331
	MAINSTREAM ENGINEERING CORP	Florida	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	50
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	5,013
	MC DONNELL DOUGLAS AIRCRAFT	Washington	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	144
	MC DONNELL DOUGLAS CORPORATION	Maryland	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	255
		Missouri	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	52-
			USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	55,440
		STATE TOTAL			55,388
	CONTRACTOR TOTAL				55,643
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	2,232
	NORMALAIR GARRETT	GABON	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	55
	NORTHROP CORPORATION	California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	71,273
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	82,483
		Oklahoma	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	366
	CONTRACTOR TOTAL				82,849
	SCIDMORE & SHEAN	New York	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	50
	SCIENCE APPLICATIONS INTL CORP	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,049
	SEMCOR INC	New Jersey	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,837

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC13 (CONTINUED)					
	SYNETICS CORPORATION	Mass	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	$ 500
	TELEDYNE INC	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,408
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,400
	THERMACORE INC	Penn	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	58
	TRW INC	Mass	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	900
	UNITED TECHNOLOGIES CORP	Florida	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	50
			USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	260,630
	STATE TOTAL				260,680
	VEDA INCORPORATED	Ohio	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	3,725
		Penn	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,669
	CONTRACTOR TOTAL				5,394
	VITRO CORPORATION	Maryland	NAVY	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	64
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/AIRCRAFT - ADVANCED DEVELOPMENT	1,679
R&D TOTAL					889,365
AC14	A A I CORPORATION	Maryland	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	63
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,714
	STATE TOTAL				1,777
	ALLIED SIGNAL AEROSPACE CO	Arizona	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	217
	AVCO CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	34,700
	BARNES ENGINEERING COMPANY	Conn	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,078
	BDM CORPORATION	New Mexico	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,528
		Virginia	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	75
	CONTRACTOR TOTAL				1,603
	BELL BOEING JV	Texas	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	323,183
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	62-
			NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	2,227

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC14 (CONTINUED)					
		STATE TOTAL			$ 2,165
	BOEING COMPANY THE	Alabama	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	11,504
		Kansas	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	574
		Penn	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	974
		Washington	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	117,206
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	41,787
		STATE TOTAL			158,993
	CONTRACTOR TOTAL				172,045
	CALSPAN CORPORATION	New York	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	673
	CANADIAN COMMERCIAL CORPORATN	CANADA	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	57
	COMPUTER SCIENCES CORPORATION	Penn	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	55
	CORPORATION OF MERCER UNIV	Georgia	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	2,000
	CTA INCORPORATED	Colorado	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	200
	E-SYSTEMS INC	Texas	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	389
	EATON CORPORATION	New York	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	34,049
	ECC INTERNATIONAL CORP	Florida	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	4,682
	EDO CORPORATION	Conn	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	111
	FROST ENGINEERING DEVELOPMENT	Colorado	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	113
	G T E LABORATORIES INC	Mass	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	150
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	4,744
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	33
		STATE TOTAL			4,777
		Texas	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	8,869
	CONTRACTOR TOTAL				13,646
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	5,203
			NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	73

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC14 (CONTINUED)					
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	$ 6,604
		STATE TOTAL			11,880
		Ohio	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	52,548
	CONTRACTOR TOTAL				64,428
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	577
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	927
		STATE TOTAL			1,504
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	100
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	532
		STATE TOTAL			632
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	302,235
	H R TEXTRON INC	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	745
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	910
	KAMAN AEROSPACE CORPORATION	Conn	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	229
	LEAR SIEGLER INC	Michigan	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	506
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	2,754
		STATE TOTAL			3,260
	LIGHT HELICOPTER TURBIN ENG	Missouri	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	49,540
	LITTON SYSTEMS INC	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	80
	LOCKHEED CORPORATION	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	2,850
	LOCKHEED MISSILES & SPACE CO	Texas	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	5,706
	LOGISTICS MANAGEMENT ENGRG	Maryland	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	97
			NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	346
		STATE TOTAL			443
	LORAL CORPORATION	New York	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	4,722
	MARQUARDT COMPANY THE	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	376
	MC DONNELL DOUGLAS AIRCRAFT	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	499,134

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC14 (CONTINUED)					
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	$ 1,654,578
		STATE TOTAL			2,153,712
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	103,000
		Florida	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	798
		Missouri	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	24,580
			USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	5-
		STATE TOTAL			24,575
	CONTRACTOR TOTAL				128,373
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	15,300
	MIDWEST RESEARCH INSTITUTE	Missouri	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	115
	MINISTRY OF DEFENSE UK	GABON	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	98
	NORMALAIR-GARRETT LTD	BANGLADESH	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	75
	PACER SYSTEMS INC	Penn	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	434
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	132,444
	SCIENCE APPLICATIONS INTL CORP	Ohio	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	390
	SINGER COMPANY THE	Arizona	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,634
		Conn	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,000
		New York	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	3,095
	CONTRACTOR TOTAL				5,729
	SUMMIT ENGINEERING COMPANY	Missouri	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	290
	TELEDYNE INC	Ohio	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	215
	UNITED AIRLINES SERVICES CORP	Colorado	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	800
		Texas	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,453
	CONTRACTOR TOTAL				2,253
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	62,491
		Florida	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	26,350

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC14 (CONTINUED)					
	CONTRACTOR TOTAL				$ 88,841
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	1,104
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	32
	VEDA INCORPORATED	Ohio	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	100
		Virginia	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	432
	CONTRACTOR TOTAL				532
	VER-VAL ENTERPRISES INC	Florida	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	857
	VITRO CORPORATION	Maryland	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	155
	WESTINGHOUSE ELECTRIC CORP	California	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	444-
	WESTLAND INC	Virginia	NAVY	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	640
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/AIRCRAFT - ENGINEERING DEVELOPMENT	217
R&D TOTAL					3,561,915
AC15	AVCO CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	102-
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	31,951
	BOEING COMPANY THE	Kansas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	3,815
		Penn	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	300
		Washington	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	1,575
	CONTRACTOR TOTAL				5,690
	CALSPAN CORPORATION	New York	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	445
		Ohio	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	308
		S Carolina	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	190
	CONTRACTOR TOTAL				943
	E-SYSTEMS INC	Texas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	881
	ELECTROSPACE SYSTEMS INC	Ohio	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	105
		Texas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	3,047

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC15 (CONTINUED)					
	CONTRACTOR TOTAL				$ 3,..52
	ESPRIT TECHNOLOGY INC	California	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	.56
	FLIGHT REFUELING LTD	UNITED KIN	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	675
	FLIGHT SYSTEMS INC	California	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	301
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	28,825
	GENERAL MOTORS CORPORATION	Indiana	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	113
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	71,382
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	426
	J-TEC ASSOCIATES INC	Iowa	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	48
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	7,526
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	61,594
	NORTHEAST AIRLINES INC	Penn	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	103
	ORLANDO HELICOPTER AIRWAYS	Florida	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	5,189
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	62,664
		Ohio	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	75
	CONTRACTOR TOTAL				62,739
	SCOPE INCORPORATED	Virginia	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	184
	STRATEGIC RESEARCH & MGT SVCS	Ohio	USAF	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	26
	TECHNOLOGY INTGRTN DEV GROUP	Mass	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	50
	ULTRAMET	California	NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	250
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	44
			NAVY	RDTE/AIRCRAFT - OP SYSTEMS DEVELOPMENT	67-
	STATE TOTAL				23-
R&D TOTAL					282,179
AC16	A P A OPTICS INC	Minnesota	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	250

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC16 (CONTINUED)					
	ADVANCED COMPOSITE PRODUCTS	Conn	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	$ 614
	ADVANCED DECISION SYSTEMS	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	49
	ADVANCED RES & APPLICATIONS	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	67
	ALLIED SIGNAL AEROSPACE CO	Arizona	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	235
	AVCO CORPORATION	Conn	ARMY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	1,500
	BELL HELICOPTER TEXTRON INC	Texas	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	504
	BEND RESEARCH INC	Oregon	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	140
	BOEING COMPANY THE	Kansas	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	BREWER SCIENCE INC	Missouri	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	325
	BROWN JOHN ASSOCIATES INC	New Jersey	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	CALSPAN CORPORATION	New York	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	541
	CARVER BACH	California	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	CORDRAY INTERNATIONAL CORP	Colorado	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	70
	CREARE, INC	N.H.	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	108
	DYNETICS INC	Alabama	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	47
	E-TEK DYNAMICS INC	Florida	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	49
	ENERGY SCIENCE LABORATORIES	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	51
	FLOUROCHEM INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	42
	FLOWDRILL CORP	Washington	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	47
	FOSTER-MILLER INC	Mass	ARMY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	68
			USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	339
	STATE TOTAL				407
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	525
	HONEYWELL INC	Minnesota	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	35
	I A P RESEARCH INC	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC16 (CONTINUED)					
	INTERACTIVE CNC SYSTEMS	Penn	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	$ 50
	K M S INDUSTRIES INC	Michigan	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	49
	KSA TECHNOLOGY INC	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	45
	LASER TECHNOLOGIES INC	Michigan	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	325
	LOCKHEED CORPORATION	Georgia	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	641
	MATERIALS INNOVATION LABS	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	150
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	275
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	100
	MEASUREMENT TECHNOLOGY NW	Washington	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	150
	METCUT RESEARCH ASSOCIATES	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	191
	METRON INC	Penn	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	426
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	157
		New Mexico	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	CONTRACTOR TOTAL				207
	NIELSEN A C COMPANY	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	55
	NU TECH	Maryland	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	48
	OPCOA INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	225
	P D A ENGINEERING	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	350
	PRESTIGIOUS TECH SVS INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	RADIUS ENGINEERING & TOOLING	Utah	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	RIBBON TECHNOLOGY CORPORATION	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	160
	SCIENTIFIC COMPUTING ASSOC	Conn	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	84
	SIMULA INC	Arizona	ARMY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	634
	SPACE POWER INCORPORATED	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	199
	SPARTA INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	150

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC16 (CONTINUED)					
	SPIRE CORPORATION	Mass	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	$ 103
	SPUTTERTEX CORPORATION	Texas	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	412
	STRUCTURAL INTEGRITY ASSOC INC	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	157
	SURVICE ENGINEERING COMPANY	Mass	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	49
	SYSTEMS ENGINEERING INC	Maryland	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	56
	TECHNO-SCIENCES INC	Maryland	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	51
	TECHNOLOGY INTGRTN DEV GROUP	Mass	NAVY	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	50
	TRIBOLOGY CONSULTANTS	Penn	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	325
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	124
	VERAC INCORPORATED	California	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	103
	VIGYAN RESEARCH ASSOCIATES	Virginia	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	197
	WESTINGHOUSE ELECTRIC CORP	Ohio	USAF	RDTE/AIRCRAFT - MANAGEMENT & SUPPORT	250
R&D TOTAL					12,297
AC21	A A I CORPORATION	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	3,557
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,850
	AEROJET SOLID PROPULSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	142
	ARBUS INC	Nevada	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	438
	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	250
	AVCO CORPORATION	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	5,946
	AVCO RESEARCH LABORATORY INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	2,900
	BOEING COMPANY THE	Washington	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	197
	CALSPAN CORPORATION	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	191
	ENERGY OPTICS INC	New Mexico	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	285
	ENFITEK INC	Texas	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	44
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	218

DEPARTMENT OF DEFENSE

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC21 (CONTINUED)					
	FERRANTI INSTRUMENTATION LTD	UNITED KIN	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	$ 181
	FORWARD UNLIMITED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	85
	FOSTER-MILLER INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	700
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	72
		STATE TOTAL			772
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	293
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	17,364
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
		STATE TOTAL			18,657
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	39
		Vermont	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,442
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	95
		STATE TOTAL			1,537
	CONTRACTOR TOTAL				1,576
	GENERAL PNEUMATICS CORPORATION	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	44
	GOULD INC	Ohio	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,610
	HARRIS CORPORATION	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	409
	HAZELTINE CORPORATION	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	454
	HERCULES INCORPORATED	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	5,273
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	580
		STATE TOTAL			5,853
	HILTON SYSTEMS INC	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,070
	HONEYWELL INC	Minnesota	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	150
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	8,112
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	223
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
		STATE TOTAL			9,335
	INTERSCIENCE INC	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	300

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC21 (CONTINUED)					
	KAMAN AEROSPACE CORPORATION	Conn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	$ 2,000
	KAMAN SCIENCES CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	313
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	200
	LOCKHEED SPACE OPERATION CO	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
	LORAL CORPORATION	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	100
	LOUGHBOROUGH UNIV OF TECH	GABON	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	50
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,520
	MAREMONT CORPORATION	Maine	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
	MARTIN MARIETTA CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,000
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	4,420
	CONTRACTOR TOTAL				5,420
	MASSACHSTTS INST OF TCHNOLOGY	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	73
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	79
	STATE TOTAL				152
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	2,000
		Missouri	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	165
	CONTRACTOR TOTAL				2,165
	MINE SAFETY APPLS COMPANY	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	78
	MORTON THIOKOL INC	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	596
	NORTH EAST RESEARCH	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	150
	OPTIMETRICS INC	Michigan	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	113
	RADAR TECHNOLOGY INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	38
	RCA CORPORATION	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	292
		New Jersey	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	260
	CONTRACTOR TOTAL				552

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC21 (CONTINUED)					
	REXHAM AEROSPACE&DEF GP, INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	$ 922
	RICE WILLIAM MARSH UNIVERSITY	Texas	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	71
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	26,000
	SACH SINHA & ASSOCIATES	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	47
	SCIENCE & TECHNOLOGY ASSOC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	2,346
	SUNDSTRAND CORPORATION	Illinois	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	27
	SYNETICS CORPORATION	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	438
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	10,015
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	35
		STATE TOTAL			10,050
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	100
	UNIVERSITY OF DAYTON INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,510
	UNIVERSITY OF ILLINOIS	Illinois	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	200
	UNIVERSITY OF ROCHESTER	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	200
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	3,741
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	1,045
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	73
		STATE TOTAL			4,859
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	99
	WAGNER DANIEL H ASSOCIATES	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-RESEARCH	50
R&D TOTAL					118,880
AC22	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	344
	ADVANCED RES & APPLICATIONS	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	221
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,178
	AEROJET SOLID PROPULSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,309
	AMERICAN HI QUALITY	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	91
	AMERICAN SCIENCE & ENGRG	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	150

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC22 (CONTINUED)					
	ANATECH INTERNATIONAL CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	$ 141
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	860
	ASTRONAUTICS CORP AMERICA	Wisconsin	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	25
	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	741
	BALL CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	2,202
	BEECH AIRCRAFT CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	109
	BOEING COMPANY THE	Washington	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	299
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,000
	STATE TOTAL				1,299
	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	432
	CALIFORNIA STATE UNIV - CHICO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	100
	CELCO INDUSTRIES INC	New Jersey	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	125
	CHEMICAL DYNAMICS CORP	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	44
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	60
	COMMUNCIATIONS SYSTMS SPCLSTS	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	244
	COMPUTER SCIENCES CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,634
	DCS CORPORATION	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	49
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	76
	FEDERAL ELECTRIC CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,633
	FIBER MATERIALS INC	Maine	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	250
	FOSTER-MILLER INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	50
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	50
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	254
		Penn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	2,739
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	679
	STATE TOTAL				3,418

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC22 (CONTINUED)					
	CONTRACTOR TOTAL				$ 3,672
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	400
	HERCULES INCORPORATED	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	688
		Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	972
		W Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	392
	CONTRACTOR TOTAL				2,052
	HERSH ACOUSTICAL ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	450
	HI-SHEAR CORPORATION	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	50
	HIBBITT, KARLSSON & SORENSEN	Rhode Isld	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	28
	HONEYWELL INC	Minnesota	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	105
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	11,196
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	366
	STATE TOTAL				11,562
	I I T RESEARCH INSTITUTE	Tennessee	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	724
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	145
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	62-
	STATE TOTAL				83
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	155
	L GARDE INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	502
	LITTON SYSTEMS INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	992
	LOCKHEED CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	60
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	93
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,514
	STATE TOTAL				1,607
	LOUISIANA STATE UNIVERSITY	Louisiana	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	51
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	477
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	322

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC22 (CONTINUED)					
		Florida	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	$ 158
	CONTRACTOR TOTAL				480
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	135
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	326
		Missouri	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	548
	CONTRACTOR TOTAL				874
	MORTON THIOKOL INC	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	329
		Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,028
	CONTRACTOR TOTAL				1,357
	NORTH CAROLINA A&T UNIV	N Carolina	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	98
	NTS ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	50
	P D I TECHNOLOGY, INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	95
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	48
	PHOTON RESEARCH ASSOCIATES	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	233
	PHYSICAL RESEARCH INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	100
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	150
	PRINCETON UNIVERSITY	New Jersey	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	75
	RAYTHEON COMPANY	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	725
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,066
	STATE TOTAL				1,791
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	49
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	11,444
	STATE TOTAL				11,493
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	584
	SCIENTIFIC RESEARCH ASSOC	Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	125
	SOFTWARE AND ENGRG ASSOC	Nevada	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	175

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC22 (CONTINUED)					
	SPACE POWER INCORPORATED	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	$ 50
	SPARTA INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	164
	SRI INTERNATIONAL	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	284
	SRS TECHNOLOGIES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	193
	SVERDRUP TECHNOLOGY INC	Tennessee	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	64
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	630
	TEXTRON INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	461
	TRW INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	111
	TWIN TOWN LEASING CO INC	Florida	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	42
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,106
		Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	87
		Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	1,259
	CONTRACTOR TOTAL				2,452
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	187
	UNIVERSITY OF ALABAMA	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	61
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	39
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	454
	UNIVERSITY OF CHICAGO THE	Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	90
	UNIVERSITY OF HAWAII	Hawaii	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	30
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	45
	UNIVERSITY OF OREGON	Oregon	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	114
	UNIVERSITY OF PENNSYLVANIA	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	44
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	37
	UNIVERSITY OF UTAH	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	95
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	294

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC22 (CONTINUED)					
	WALKER JAMES CO INC	W Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	$ 56
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	850
	WICKMAN SPCCRAFT PRPLSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	150
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/MISSILE AND SPACE SYSTEMS-EXPLOR DEV	460
R&D TOTAL					61,707
AC23	A P A OPTICS INC	Minnesota	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	98
	A T & T TECHNOLOGIES INC	New Jersey	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	700
	ACUREX CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,343
		Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	7,306
	CONTRACTOR TOTAL				12,649
	ADROIT SYSTEMS INC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	150
	ADVANCED COMPOSITE PRODUCTS	Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	92
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,366
	ADVANCED FUEL RESEARCH INC	Conn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	127
	ADVANCED REFR TECHNOLOGIES	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	250
	ADVANCED RES & APPLICATIONS	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	707
	ADVANCED SCIENCES INC	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,303
	AEROJET ELECTROSYSTEMS CO	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	860
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	580-
	STATE TOTAL				280
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	9,441
	AEROJET SOLID PROPULSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	6,957
	AEROJET TECHSYSTEMS CO	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	559
	AEROMET INC	Oklahoma	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,398
	AIR TURBINE TECHNOLOGY INC	Florida	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	ALLIED SIGNAL AEROSPACE CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 5,920
		Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	13,304
	CONTRACTOR TOTAL				19,224
	ALPHATECH INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,018
	ALUMINUM COMPANY OF AMERICA	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	486
	AMERASIA TECHNOLOGY INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	AMERICAN COMPOSITE TECH	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	48
	ANALOG DEVICES INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	351
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	40
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	632
	APPLICATIONS RESEARCH CORP	Ohio	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	150
	APPLIED RESEARCH CORPORATION	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	55
	APPLIED RESEARCH INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,210
	APPLIED RSCH ASSOCIATES, INC	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	61
	APPLIED SCIENCES INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	74
	APTEK INC	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,698
	ASTRO INNOVATIONS INC	Penn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	269
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	51
		STATE TOTAL			320
	ASTRONAUTICS CORP AMERICA	Wisconsin	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	500
	ASTROSYSTEMS INC	Delaware	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	51
	ATLANTIC RESEARCH CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	212
		Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	330
	CONTRACTOR TOTAL				542
	AUBURN UNIVERSITY	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	83

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	AUSTIN RESEARCH ASSOCIATES	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 259
	AUTOMATED SCIENCES GROUP INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,834
		Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	650
	CONTRACTOR TOTAL				5,484
	AUTONOMOUS TECHNOLOGIES CORP	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	56
	AVCO CORPORATION	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	527
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,329
		STATE TOTAL			3,856
	AVCO RESEARCH LABORATORY INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	8,205
	BABCOCK & WILCOX COMPANY	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	65
	BALL CORPORATION	Colorado	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	800
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	700
		STATE TOTAL			1,500
	BARNES ENGINEERING COMPANY	Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	571
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	148
	BDM CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,955
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	585
		Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	10,246
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	125
		STATE TOTAL			10,371
	CONTRACTOR TOTAL				13,911
	BOEING COMPANY THE	Kansas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,016
		Washington	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	140,541
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	107,153
		STATE TOTAL			247,694
	CONTRACTOR TOTAL				249,710
	BOOZ ALLEN & HAMILTON INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,100

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	BRIMROSE CORP OF AMERICA	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 113
	BRITISH AEROSPACE NAVAL ELECTR	UNITED KIN	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	300
	BUSINESS TCHNLOGICAL SYSTEMS	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	291
	CALSPAN CORPORATION	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	112
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	111
	CAS INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	168
	CASTLE TECHNOLOGY CORP	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	CERAMATEC INC	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	CHRONOS RSCH LABS INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	CLEMSON UNIVERSITY	S Carolina	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	COLEMAN RESEARCH CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,820
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	325
	CONTRACTOR TOTAL				3,145
	COLSA INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	24,693
	COMPUTATIONAL MECHANICS	Tennessee	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	COMPUTER SCIENCES CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,422
	CONTROL DATA CORPORATION	Minnesota	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,052
	CORIOLIS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	COSYDE GIE	FRANCE	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,123
	CREARE RESEARCH & DEVELOPMENT	N.H.	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	267
	CREARE, INC	N.H.	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	STATE TOTAL				100
	DAMASKOS INC	Penn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	DEACON RESEARCH	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	56

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	DEF RSCH TECHNOLOGIES,INC	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 70
	DELTA RESEARCH INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,572
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	8,531
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	23,332
		STATE TOTAL			31,863
	DWA COMPOSITE SPECIALIIES INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	65
	DYNACS ENGINEERING CO	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	DYNETICS INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,098
	E C CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	230
	E-O PRODUCTS CORP	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	47
	E-TEK DYNAMICS INC	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	125
	EAGLE-PICHER INDUSTRIES INC	Missouri	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	244
	EHRENPREIS DAVID B	New Jersey	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	314
	ELECTRO MAGNETIC PROCESSES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	36
	ELECTRO-MAGNETIC APPLICATION	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	39-
	ELECTRO-OPTEK CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	337
	ELECTROMAGNETIC LAUNCH RES	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	900
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	250
		STATE TOTAL			1,150
	ELECTRONIC DECISIONS INC	Illinois	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	236
	ELECTROSTATIC TECHNOLOGY INC	Conn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	61
	ENERGY COMPRESSION RESEARCH	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	ENERGY SCIENCE LABORATORIES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	65
	ENGINEERING & ECONOMICS RES	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	369
	FAIRCHILD WESTON SYSTEMS INC	Penn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	839
	FIBER MATERIALS INC	Maine	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	450

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	FORD AEROSPACE	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 1,551
	FOSTER-MILLER INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	351
	FRONTIER ENGINEERING INC	Oklahoma	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	155
	FRONTIER TECHNOLOGY INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	G T E LABORATORIES INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	273
	G. T. DEVICES, INC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	511
	GA TECHNOLOGIES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	789
	GENERAL APPLIED SCIENCE	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	55
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	139
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	60
	STATE TOTAL				199
		Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	60
	CONTRACTOR TOTAL				259
	GENERAL ELECTRIC COMPANY	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	194
		Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,415
	CONTRACTOR TOTAL				2,609
	GENERAL MOTORS CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	870
	GENERAL RESEARCH CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	10,386
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	736
		Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	990
	CONTRACTOR TOTAL				12,112
	GEOMET INC	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	60
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	7,461
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	130
	STATE TOTAL				7,591
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,163

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AC23 (CONTINUED)						
	GTE PRODUCTS CORP DEL CORP	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	S	84
	H R TEXTRON INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		434
	HARRIS CORPORATION	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		50
	HECHT-NIELSEN NEUROCOMPUTER	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		167
	HERCULES INCORPORATED	Utah	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		500
	HONEYWELL INC	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		5,243
		Minnesota	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		3,252
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		100
		STATE TOTAL				3,352
	CONTRACTOR TOTAL					8,595
	HUGHES AIRCRAFT COMPANY	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		254
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		8,472
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		3,689
		STATE TOTAL				12,161
	CONTRACTOR TOTAL					12,415
	HYBERSONICS CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		65
	HYDROGEN CONSULTANTS INC	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		58
	I A P RESEARCH INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		737
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		308
	IMACING SCIENCE TECHNOLOGIES	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		49
	INTELLIGENT AUTOMATION, INC	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		56
	INTERMAGNETICS GENERAL CORP	Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		33
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		465
		Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		301
	CONTRACTOR TOTAL					766
	INTERNATIONAL SOFTWARE SYSTEMS	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL		490

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	IONIC ATLANTA INCORPORATED	Georgia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 80
	IRVINE SENSORS CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	230
	JAYCOR	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	100
	JOHN L.MCDANIEL ENTERPRISES,IN	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	150
	KAISER AEROSPACE & ELEC CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	100
	KAMAN SCIENCES CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	505
		Colorado	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,377
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	143
		STATE TOTAL			5,520
	CONTRACTOR TOTAL				6,025
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	150
	L GARDE INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,225
	LASER SCIENCE, INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,380
	LITTLE ARTHUR D INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	6,305
	LITTON INDUSTRIES INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	238
	LITTON SYSTEMS INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	352
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,203
		STATE TOTAL			1,555
		Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	313
	CONTRACTOR TOTAL				1,868
	LOCKHEED MISSILES & SPACE CO	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	719
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	110,607
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,246
		STATE TOTAL			113,853
		New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,000
	CONTRACTOR TOTAL				119,572

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 26,771
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	15,721
		STATE TOTAL			42,492
	M M R TECHNOLOGIES, INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	249
	MAINSTREAM ENGINEERING CORP	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	MARK RESOURCES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	358
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,542
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,446
		STATE TOTAL			3,988
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	40-
	CONTRACTOR TOTAL				3,948
	MATERIAL CONCEPTS INC	Ohio	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	78
	MATERIAL MODIFICATIONS INC	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	59
	MATERIALS TECHNOLOGIES CORP	Conn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	MAXWELL LABORATORIES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	488
	MAYO FOUNDATION	Minnesota	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,025
	MC DONNELL DOUGLAS CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	807
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	90,399
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	7,276
		STATE TOTAL			97,675
		Missouri	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,157
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	168
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,914
		STATE TOTAL			3,239
	CONTRACTOR TOTAL				101,721
	MEMISTOR CORP	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	48
	MESSERSCHMITT-BOELKOW BLOHM	GERMANY, F	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,148
	MILLITECH CORPORATION	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 263
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	102
		STATE TOTAL			365
		New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	795
	CONTRACTOR TOTAL				1,160
	MORTON THIOKOL INC	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,066
	MOTOROLA INC	Arizona	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	27,293
	NATIVE AMERICAN SERVICE ASSN	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	440
	NETWORK SOLUTIONS INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,319
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	19,058
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,185
		STATE TOTAL			20,243
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,195
	CONTRACTOR TOTAL				21,438
	NORTHROP CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	541
	NUCLEAR METALS INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	775
	OPTRA INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	159
	OPTRON SYSTEMS INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	286
	P D A ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	343
	P.E.R.	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	51
	PACIFIC AMERICAN LAUNCH SVCS,I	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	400
	PATEL ENTERPRISES INCORPORATED	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,445
	PERKIN ELMER CORPORATION	Conn	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	191
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	323
		STATE TOTAL			514
	PHYSICAL OPTICS CORP	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	52

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 68
	PLESSEY RADAR LIMITED	UNITED KIN	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	500
	POLYTECHNIC UNIV OF NEW YORK	New York	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	433
	QUANSCAN INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	R & D ASSOCIATES	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	125
		Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	270
	CONTRACTOR TOTAL				395
	RAYMOND ENGINEERING INC	Conn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,700
	RAYTHEON COMPANY	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,979
		Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	35,372
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	207
		STATE TOTAL			35,579
	CONTRACTOR TOTAL				39,558
	RCA CORPORATION	New Jersey	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,700
	REFRACTORY COMPOSITES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	REXHAM CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,199
	ROBBINS COMPANY THE	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	100-
	ROCKCOR INC	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	255
	ROCKWELL INTERNATIONAL CORP	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	150
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	15,587
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	125,839
		STATE TOTAL			141,426
		Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,292
		Georgia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	266
	CONTRACTOR TOTAL				143,134
	RYAN ASSOCIATES INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	83

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	S SYSTEMS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 5,360
	S T RESEARCH CORPORATION	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	97
	SANDERS ASSOCIATES INC	N.H.	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	81
	SATCON TECHNOLOGY CORPORATION	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	223
	SAXPY COMPUTER CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	47
	SCHAFER W J ASSOCIATES INC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	585
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	740
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	125
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	694
		STATE TOTAL			819
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	264
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	42
		Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	800
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	700
		STATE TOTAL			1,500
	CONTRACTOR TOTAL				3,365
	SCIENCE RESEARCH LABORATORY	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	99
	SHORT BROTHERS PLC	UNITED KIN	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	223
	SIERRA MONOLITHICS, INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	48
	SNIA BPD	ITALY	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,094
	SOFTECH INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	110
	SOFTWARE AND ENGRG ASSOC	Nevada	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	400
	SOUTHERN METHODIST UNIVERSITY	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	134
	SOUTHERN RESEARCH INSTITUTE	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	80
	SPACE DATA CORPORATION	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	10,940
	SPACE TECH CORP	Colorado	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	147

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	SPARTA INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 2,677
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,947
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,233
		STATE TOTAL			8,180
		Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	58
	CONTRACTOR TOTAL				10,915
	SPECTRAL SCIENCES INC	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	134
	SPERRY CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	700
		Minnesota	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	636
	CONTRACTOR TOTAL				1,336
	SPIRE CORPORATION	Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,168
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,976
		California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	158
	CONTRACTOR TOTAL				4,134
	SUPERCON INCORPORATED	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	75
	SYSTEM DEVELOPMENT CORPORATION	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,754
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	509
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	286
	SYSTOLIC SYSTEMS INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	178
	TECHNICAL & MGT SVCS CORP	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	45
	TECHNO-SCIENCES INC	Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	57
	TECHNOLOGY DEVELOPMENT CORP	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,030
	TELEDYNE BROWN ENGINEERING	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	161
	TELEDYNE INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	71,500
	TEXAS A & M UNIV SYS THE	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	125

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 181
	TEXTRON INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	34-
	TRACOR INC	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,341
	TRW INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	21,945
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	14,880
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	4,195
		STATE TOTAL			19,075
	CONTRACTOR TOTAL				41,020
	UNITED INTERNATIONAL ENGRG	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	475
		New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,265
	CONTRACTOR TOTAL				1,740
	UNITED SPACE BOOSTERS INC	Alabama	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	100
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	217
		Conn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	5,845
	CONTRACTOR TOTAL				6,062
	UNIVER/PGH COMMON SYST EDUC	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	75
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	113
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,218
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	26
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	570
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	395
	UNIVERSITY OF TENNESSEE	Tennessee	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	611
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,516
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	428
		STATE TOTAL			2,944

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC23 (CONTINUED)					
	UNIVERSITY OF VIRGINIA	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	$ 150
	VALLEY ENGINEERS INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	385
	VANDERBILT UNIVERSITY THE	Tennessee	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	50
	VANGUARD RESEARCH INC	Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	49
	VISTA RESEARCH	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	203
	WEST VIRGINIA UNIVERSITY	W Virginia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	300
	WESTINGHOUSE ELECTRIC CORP	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	178
		Maryland	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,300
		Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	2,892
	CONTRACTOR TOTAL				5,370
	XONTECH INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	1,785
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ADV DEVEL	3,566
	STATE TOTAL				5,351
R&D TOTAL					1,233,523
AC24	ACUREX CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	832
	AEROJET SOLID PROPULSION CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	108,849
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	400
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	986
	AVCO CORPORATION	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	14,191
	BATTELLE MEMORIAL INSTITUTE	Ohio	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	163
	BDM CORPORATION	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	205
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,629
	STATE TOTAL				1,834
	BOEING COMPANY THE	Kansas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	678
		Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	160,738
	CONTRACTOR TOTAL				161,416
	CTA INCORPORATED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,149

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC24 (CONTINUED)					
	DBA SYSTEMS INC	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	$ 1,400
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	77,688
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	9,256
		STATE TOTAL			86,944
	DYNAMICS RESEARCH CORPORATION	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	450
	E G G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,035
	EARTH TECHNOLOGY CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	26,374
	ENGINEERING & ECONOMICS RES	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,077
	FMC CORPORATION	Minnesota	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	410
	FORD AEROSPACE	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	7,048
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	9,390
		STATE TOTAL			16,438
	FREQUENCY ELECTRONICS INC	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	82
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	577
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	25,814
		STATE TOTAL			26,391
		Conn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	292
	CONTRACTOR TOTAL				26,683
	GENERAL ELECTRIC COMPANY	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	22,039
		Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	53,392
	CONTRACTOR TOTAL				75,431
	GENERAL INSTRUMENT CORP DEL	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,209
	GEODYNAMICS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,555
	GTE PRODUCTS CORP DEL CORP	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	4,774
	HERCULES INCORPORATED	Utah	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	215
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	86,377
		STATE TOTAL			86,592

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC24 (CONTINUED)					
	HEXCEL CORPORATION	Georgia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	$ 662
	HONEYWELL INC	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	3,782
		Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	14,808
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,284
	CONTRACTOR TOTAL				20,874
	HUGHES AIRCRAFT COMPANY	Arizona	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	36-
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	187,072
		STATE TOTAL			187,036
		California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	6,662
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	167,371
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	11,006
		STATE TOTAL			185,039
	CONTRACTOR TOTAL				372,075
	INTELLISYS INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	604
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	351
		Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,477-
	CONTRACTOR TOTAL				2,126-
	INTERSTATE ELECTRONICS CORP	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	31,010
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	3,078
		STATE TOTAL			34,088
	JAYCOR	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	648
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	10,702
	KERNCO INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	669
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	262
	LITTON SYSTEMS INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	8,740
		Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	16,378
	CONTRACTOR TOTAL				25,118
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	266,410

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC24 (CONTINUED)					
	LOGICON INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	$ 16,584
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	59,803
	M D T T INC	Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	42,516
	MARTIN MARIETTA CORPORATION	Colorado	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	199
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	118,364
		STATE TOTAL			118,563
		Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	4,061
	CONTRACTOR TOTAL				122,624
	MATHEMATICAL ANALYSIS RES	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	208
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,930
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	4,571
		Missouri	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	4,188
	CONTRACTOR TOTAL				8,759
	MICROCOM CORPORATION	Penn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	66
	MILITARY TRAINING MANTECH	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	768
	MORTON THIOKOL INC	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	40,178
	MOTOROLA INC	Arizona	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	129
	NORTHROP CORPORATION	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,500
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	28,509
		STATE TOTAL			30,009
	NTS ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,649
	O A O CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	35
	OCEAN TECHNOLOGY INC	Rhode Isld	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	114
	PALISADES GEOPHYSICAL INST	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	494
	RAYTHEON COMPANY	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	35-
		Mass	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	20,198

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC24 (CONTINUED)					
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	$ 302,772
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	887
		STATE TOTAL			323,857
	CONTRACTOR TOTAL				323,822
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	20,383
		Georgia	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	19,286
	CONTRACTOR TOTAL				39,669
	ROYAL NORWEGIAN NAVAL MATERIAL	NORWAY	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	15,621
	SC & A INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	76
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,940
	SINGER COMPANY THE	New Jersey	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,483
	SIPPICAN INC	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	988
	SONATECH INC	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	832
	SPERRY CORPORATION	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	89,283
	SYNETICS CORPORATION	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	850
	SYSTEMS & LOGISTICS CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,297
	SYSTEMS RES APPLICATIONS CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	129
		Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,517
	CONTRACTOR TOTAL				1,646
	TECOLOTE RESEARCH INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	831
	TEXAS A & M UNIV SYS THE	Texas	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	44
	TEXAS INSTRUMENTS INCORPORATED	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	16,555
		Texas	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,790
			NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	5,664
		STATE TOTAL			8,454
	CONTRACTOR TOTAL				25,009

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC24 (CONTINUED)					
	TITAN CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	$ 333
	TRW INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	205,389
	UNISYS CORPORATION	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	23,955
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	280-
	VEDA INCORPORATED	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	1,632
	VITRO CORPORATION	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	2,656
	WALTER DORWIN TEAGUE INC	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	356
	WEIDLINGER ASSOCIATES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	43
	WESTINGHOUSE ELECTRIC CORP	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	28,413
			USAF	RDTE/MISSILE AND SPACE SYSTEMS-ENGR DEVEL	49,639
	STATE TOTAL				78,052
R&D TOTAL					2,495,653
AC25	AEROMET INC	Oklahoma	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	5,380
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	91
	ANALYTIC SCIENCES CORP	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	5,596
	ATLANTIC RESEARCH CORPORATION	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	344
	BOEING COMPANY THE	Kansas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	65,075
	GENERAL DYNAMICS CORPORATION	Rhode Isld	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	69
	GENERAL ELECTRIC COMPANY	Mass	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	355
	HARRIS CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	34,093
		Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	47
		Nebraska	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	97
	CONTRACTOR TOTAL				34,237
	HUGHES AIRCRAFT COMPANY	Arizona	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	56
		California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,983
	CONTRACTOR TOTAL				2,039

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC25 (CONTINUED)					
	INTEGRAL SYSTEMS INC	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	$ 1,195
	J W P COMMUNICATIONS MFG CO	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	3,280
	KAMAN SCIENCES CORPORATION	Colorado	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	4,972
	KENTRON INTERNATIONAL	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	7,061
	LORAL ROLM MIL-SPEC COMPUTERS	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	49
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,472,221
		Florida	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,400
		Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	4,999
	CONTRACTOR TOTAL				1,478,620
	MC DONNELL DOUGLAS HELICOPTER	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	43
	MICRODYNE CORPORATION	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	111
	MILTOPE CORPORATION	New York	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	31
	NORTHROP CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,989
	O A O CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,624
	OHIO STATE UNIVERSITY	Ohio	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	100
	PHYSICS INTERNATIONAL COMPANY	California	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	268
	RAYTHEON COMPANY	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	2,000
	RCA CORPORATION	New Jersey	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	9,760
	ROCKWELL INTERNATIONAL CORP	New Mexico	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	2,462
	SCIENCE APPLICATIONS INTL CORP	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	667
	SPACE COMMUNICATION COMPANY	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	36,325
	SPARTA INC	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,180
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	312
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,778
	SYSTEMS RES APPLICATIONS CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	133
	TRW INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	14,747

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC25 (CONTINUED)					
	VERAC INCORPORATED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	$ 231
	VITRO CORPORATION	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	445
		Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	1,083
	CONTRACTOR TOTAL				1,528
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-OP SYS DEV	35
	R&D TOTAL				1,683,687
AC26	ACTA INCORPORATED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	AEROMET INC	Oklahoma	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	500
	AMPARO CORPORATION	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	174
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	61
	APPLIED TECHNOLOGY ASSOCIATES	Florida	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	183
	APTEK INC	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	289
	ARIAS RESEARCH ASSOCIATES,	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	372
	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	239
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	440
		Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	486
	CONTRACTOR TOTAL				926
	B D SYSTEMS INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	594
	BELTRAN ASSOCIATES INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	220
	BIOMAGNETIC TECHNOLOGIES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	60
	COBBS ENGINEERING INC	Oklahoma	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	43
	CORDEC CORPORATION	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	300
	CREARE RESEARCH & DEVELOPMENT	N.H.	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	113-
	CREARE, INC	N.H.	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	223
	DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	170

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC26 (CONTINUED)					
	DUAL & ASSOCIATES INC	Virginia	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	$ 120
	ENERGY COMPRESSION RESEARCH	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	49
	ENFITEK INC	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	95
	EPSILON LAMBDA ELECTRONICS	Illinois	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	48
	EXTREL CORPORATION	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	225
	FAIL-SAFE TECHNOLOGY CORP	N Carolina	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	46
	FAILURE ANALYSIS ASSOCIATES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	99
	FLOW INDUSTRIES INC	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	171
	FLOWDRILL CORP	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	294
	FOSTER CONSULTING CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	644
	FOSTER-MILLER INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	677
	FOWLER-MULLIN ASSOCIATES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	72
	GENERAL SCIENCES INC	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	204
	GIGABIT LOGIC INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	51
	HOLLANDER ASSOCIATES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	72
	IRVINE SENSORS CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	ITE INC	Maryland	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	150
	JASON ASSOCIATES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	914
	KAMAN SCIENCES CORPORATION	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	124
	KENTRON INTERNATIONAL	Alabama	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	10,942-
	L B & M ASSOCIATES INC	Oklahoma	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	253
	L SYSTEMS INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	226
	MACHINE DESIGN ENGINEERS INC	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	302
	MARTIN MARIETTA CORPORATION	Florida	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	28,559
	MATERIALS SCIENCE CORP	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC26 (CONTINUED)					
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	$ 151
	MULTISPEC CORPORATION	New Jersey	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	1,111
		Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	1,549
		Michigan	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	CONTRACTOR TOTAL				2,710
	OPTISENSORS INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	49
	P D A ENGINEERING	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	399
	PERCEPTICS CORPORATION	Tennessee	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	198
		Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	53
	CONTRACTOR TOTAL				251
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	491
	PHYSICS-MATHEMATICS COMPUTER	New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	383
	QUANTEX CORPORATION	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	260
	QUANTIC INDUSTRIES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	456
	REKENTHALER TECHNOLOGY ASSOC	Maryland	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	168
	RIVERSIDE RESEARCH INSTITUTE	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	627
	RIZZO PAUL C ASSOCIATES INC	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	298
	ROBBINS COMPANY THE	Washington	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	48
	SACH SINHA & ASSOCIATES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	404
	SCHAFER W J ASSOCIATES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	64
	SCIENCE & ENGINEERING ASSOC	Nebraska	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	48
		New Mexico	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	325
	CONTRACTOR TOTAL				373
	SHULTZ RICHARD E	Texas	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	446

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC26 (CONTINUED)					
	SILICON DESIGNS INC	Washington	NAVY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	$ 58
	SPARTA INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	861
	SPECTRAL SCIENCES INC	Mass	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	108
	SRS TECHNOLOGIES	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	199
	SUNBURST RECOVERY INC	Colorado	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	170
	SUNOL SCIENCES CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	195
	SUSQUEHANNA RESOURCS ENVRNMNT	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	64
	TAYLOR DEVICES INC	New York	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	199
	TECHNICAL SYSTEMS INC	Michigan	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	1,025
	TECHNOLOGY DEVELOPMENT ASSOC	Penn	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	196
	TERO TEK INTERNATIONAL INC	California	ARMY	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	320
	TERRA TEK INC	Utah	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	TOYON RESEARCH CORP	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	367
	TRIANGLE RESEARCH & DEV CORP	N Carolina	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	67
	VERAC INCORPORATED	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	123
	VISTA RESEARCH	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	49
	WEIDLINGER ASSOCIATES INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	XONTECH INC	California	USAF	RDTE/MISSILE AND SPACE SYSTEMS-MGMT & SUP	50
	R&D TOTAL				38,623
AC31	APPLIED MATHEMATICS INC	Conn	NAVY	RDTE/SHIPS - RESEARCH	49
	I I T RESEARCH INSTITUTE	Oklahoma	NAVY	RDTE/SHIPS - RESEARCH	56
	IMSL INC	Texas	NAVY	RDTE/SHIPS - RESEARCH	28
	INTEGRATED SYSTEMS ANALYSTS	Virginia	NAVY	RDTE/SHIPS - RESEARCH	2,042
	LAQUE CTR FOR CRRSION TCHNLOGY	N Carolina	NAVY	RDTE/SHIPS - RESEARCH	552
	MARITECH INCORPORATED	Penn	NAVY	RDTE/SHIPS - RESEARCH	55

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC31 (CONTINUED)					
	MILCOM SYSTEMS CORPORATION	Virginia	NAVY	RDTE/SHIPS - RESEARCH	$ 150
	OAK RIDGE NATIONAL LABS	Tennessee	NAVY	RDTE/SHIPS - RESEARCH	80
	SIG PRO SYSTEMS INC	California	NAVY	RDTE/SHIPS - RESEARCH	214
	U S DEPARTMENT OF COMMERCE	Colorado	NAVY	RDTE/SHIPS - RESEARCH	140
	WAGNER DANIEL H ASSOCIATES	California	NAVY	RDTE/SHIPS - RESEARCH	48
R&D TOTAL					3,414
AC32	A A I CORPORATION	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	2,054
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	364
	ARTECH CORP	Virginia	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	147
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	415
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	1,152
		Virginia	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	87
	CONTRACTOR TOTAL				1,239
	COMPOSITEK ENGINEERING CORP	California	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	90
	DWA COMPOSITE SPECIALTIES INC	California	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	185
	E G G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	674
	FAILURE ANALYSIS ASSOCIATES	California	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	49
	FMC CORPORATION	California	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	40
	GARNETT CORP	Oklahoma	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	37
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	106,486
	HYDRODYNAMICS RESEARCH ASSOC	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	40
	I I T RESEARCH INSTITUTE	Tennessee	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	1,322
	JOHN DEERE COMPANY	New Jersey	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	110
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	48
	MANVILLE SALES CORP	Colorado	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	81

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC32 (CONTINUED)					
	MARTIN MARIETTA CORPORATION	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	$ 452
	MICROALLOYING INTERNATIONAL	Texas	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	32
	RESEARCH TRIANGLE INSTITUTE	N Carolina	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	123
	SATCON TECHNOLOGY CORPORATION	Mass	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	300
	TRACOR-HYDRONAUTICS, INC	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	356
	U S B I CO	Alabama	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	130
	UNIVERSITY OF MIAMI INC	Florida	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	101
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	320
	V T E C LABORATORIES INC	New York	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	306
	VITRO CORPORATION	Maryland	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	20,077
	WESTINGHOUSE ELECTRIC CORP	Ohio	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	1,497
		Penn	NAVY	RDTE/SHIPS - EXPLORATORY DEVELOPMENT	635
	CONTRACTOR TOTAL				2,132
R&D TOTAL					137,710
AC33	A A I CORPORATION	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	1,746
	AMERASIA TECHNOLOGY INC	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	48
	APPLIED ORDNANCE TECHNOLOGY	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	500
	AQUA-CHEM INC	Wisconsin	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	153
	ARGUS RESEARCH CORP	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	125
	ATLANTIC RESEARCH CORPORATION	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	85
	CENTRA TECHNOLOGY INC	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	49
		Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	47
	CONTRACTOR TOTAL				96
	CONSULTANTS & DESIGNERS INC	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	93
	CUSHING VINCENT J	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	49

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC33 (CONTINUED)					
	DEERE JOHN TECHNOLOGIES INTL	New Jersey	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	$ 10,788
	DIGITAL EQUIPMENT CORPORATION	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	107
	DWA COMPOSITE SPECIALTIES INC	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	977
	E G G WASH ANALYTICAL SVCS CTR	Conn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	107
		Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	6,973
	CONTRACTOR TOTAL				7,080
	ENERGY COMPRESSION RESEARCH	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	1,295
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	705
	FIBER MATERIALS INC	Maine	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	85
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	57,800
	GENERAL ELECTRIC COMPANY	Florida	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	436
		Mass	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	280
		New York	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	18,927
		Ohio	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	124
	CONTRACTOR TOTAL				19,767
	GEO-CENTERS INC	Mass	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	745
	HALE FIRE PUMP CO	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	900
	HERCULES INCORPORATED	Utah	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	64
	INTEGRATED SYSTEMS ANALYSTS	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	1,111
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	18,953
	MANTECH INTERNATIONAL CORP	New Mexico	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	230
	MATERIAL & ELECTROCHEMICAL	Arizona	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	50
	MATERIAL CONCEPTS INC	Ohio	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	463
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	495
	MINIGRAPH INC	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	368

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC33 (CONTINUED)					
	MSNW INC	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	$ 460
	POLATOMIC INC	Texas	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	500
	QUANTUM COMPOSITES INC	Michigan	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	48
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	125
	SATCON TECHNOLOGY CORPORATION	Mass	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	49
	SENSIS CORPORATION	New York	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	50
	SOMAT CORPORATION	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	250
	SPERRY CORPORATION	New York	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	5,585
	STRUCTURAL DYNAMICS RES CORP	Ohio	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	99
	SYNETICS CORPORATION	Mass	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	50
	SYSTEM PLANNING CORPORATION	California	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	379
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	49
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	71
	UNIVERSITY OF DAYTON INC	Ohio	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	100
	VECTOR MICROWAVE RESEARCH	Virginia	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	47
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	3,814
	WEIDLINGER ASSOCIATES INC	New York	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	107
	WESTINGHOUSE ELECTRIC CORP	Penn	NAVY	RDTE/SHIPS - ADVANCED DEVELOPMENT	170,106
R&D TOTAL					306,767
AC34	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	1,033
	APPLIED HYDRO-ACOUSTICS RES	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	496
	BODENSEEWERK GERAETETECHNIK GM	GERMANY, F	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	1,553
	DATA-DESIGN LABORATORIES	Virginia	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	1,530
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	815
	FACTORY MUTUAL RESEARCH CORP	Mass	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	35

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC34 (CONTINUED)					
	FAIRY HOLDINGS LTD	Penn	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	$ 361
	GENERAL DYNAMICS CORPORATION	California	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	67,547
	GEODETIC SERVICES INC	Florida	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	63
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	775
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	500
	INSTITUTE OF GAS TECHNOLOGY	Illinois	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	98
	LOGICON INC	California	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	42
	MARTIN MARIETTA CORPORATION	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	90
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	132
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	3,125
	SACHS-FREEMAN ASSOCIATES INC	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	44
	SYSTEM PLANNING CORPORATION	Virginia	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	268
	T CARROLL ASSOCIATES INC	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	61
	TEXTRON INC	Michigan	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	133
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	145
	WYLE LABORATORIES	Virginia	NAVY	RDTE/SHIPS - ENGINEERING DEVELOPMENT	92
R&D TOTAL					78,938
AC35	DESIGNERS & PLANNERS INC	Virginia	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	565
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	1,337
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	40
	JORGENSEN EARLE M COMPANY	Washington	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	684
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	771
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	469
	SOMAT CORPORATION	Penn	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	199
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	2,050

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC35 (CONTINUED)					
	VITRO CORPORATION	Maryland	NAVY	RDTE/SHIPS - OP SYSTEMS DEVELOPMENT	$ 7,564
R&D TOTAL					13,679
AC36	ABARIS	Nevada	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	492
	ADVANCED COMPOSITE PRODUCTS	Conn	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	79
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	1,288
		New York	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	335
	CONTRACTOR TOTAL				1,623
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	49
	AUTOMATED ANALYSIS CORPORATION	Michigan	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	43
	CBI NA-CON INC	Penn	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	17,550
		Tennessee	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	2,974
	CONTRACTOR TOTAL				20,524
	CERAMATEC INC	Utah	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	49
	E G G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	579
	GENERAL DIGITAL INDUSTRIES INC	Alabama	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	665
	GENERAL TCHNOLOGY APPLICATIONS	Virginia	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	198
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	3,063
	K-MEC	Maryland	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	50
	MILLITECH CORPORATION	Mass	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	46
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	49
	QUANTIC INDUSTRIES INC	California	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	431
	ROBOCOM SYSTEMS INC	New York	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	430
	ROH INC	California	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	357
	SHORE LINE DIESEL MAINTENANCE	California	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	30
	SLAYEN R INC	California	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC36 (CONTINUED)					
	TRW INC	California	USAF	RDTE/SHIPS - MANAGEMENT & SUPPORT	$ 23,923
	VITRO CORPORATION	Conn	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	496
		Maryland	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	140
	CONTRACTOR TOTAL				636
	X D B SYSTEMS INC	Maryland	NAVY	RDTE/SHIPS - MANAGEMENT & SUPPORT	50
R&D TOTAL					53,416
AC41	CEMCOM RESEARCH ASSOC INC	Maryland	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	245
	CONCEPT ANALYSIS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	300
	CUMMINS ENGINE COMPANY INC	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	55
	GENERAL MOTORS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	546
	GONZALEZ DESIGN ENGNRNG CO*	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	500
	HODGES TRANSPORTATION INC	Nevada	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	99
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/TANK - AUTOMOTIVE - RESEARCH	500
	MICHIGAN TCHNLGCAL UNIVERSITY	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	215
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	71
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	476
	WEST VIRGINIA UNIVERSITY	W Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - RESEARCH	190
R&D TOTAL					3,197
AC42	ABEX CORPORATION	New Jersey	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	182
	ADIABATICS INCORPORATED	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	1,529
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	ADVANCED RESOURCE DEV CORP	Maryland	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	47
	ANALYTICAL SOFTWARE INC	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	46
	ANALYTICS INCORPORATED	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	377
	APPLIED SCIENCE GROUP INC	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	70

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AC42 (CONTINUED)						
	AUTOMOATION RESEARCH CORP	Nevada	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	$	118
	BELTRAN ASSOCIATES INC	New York	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		50
	BEND RESEARCH INC	Oregon	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		57
	BKM INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		417
	CALIFORNIA RES & TECHNOLOGY	New Jersey	NAVY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		501
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		496
	CARBORIDE CORPORATION	Ohio	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		177
	COLSA INC	Alabama	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		210
	DATA	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		83
	DELTA INFORMATION SYSTEMS INC	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		50
	DIVERSIFIED DATA CORPORATION	Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		33
	FMC CORPORATION	Alabama	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		138
	FOSTER-MILLER INC	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		81
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		275
	GENERAL MOTORS CORPORATION	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		200
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		100
	HARSCO CORPORATION	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		710-
	HONEYWELL INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		2,109
		Mass	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		62
		Minnesota	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		95
	CONTRACTOR TOTAL					2,266
	INDUSTRIAL TECHNOLOGY INST	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		48
	MATERIAL & ELECTROCHEMICAL	Arizona	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		51
	MATERIALS MODIFICATION INC	Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		49
	MATERIALS SCIENCE CORP	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP		129

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC42 (CONTINUED)					
	MICHIGAN TCHNLGCAL UNIVERSITY	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	$ 48
	MICROWAVE RADIO CORP	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	300
	ODETICS INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	355
	OPTIMETRICS INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	265
	PERKIN ELMER CORPORATION	Conn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	190
	PHOTRONICS CORPORATION	New York	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	144
	PRECISION ACOUSTIC DEVICES	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	200
	PRECISION COMBUSTION INC	Conn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	QUANNAH CORP	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	SEAGULL TECHNOLOGY INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	SILICON FILMS CORP	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	51
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	360
	STEVENS INSTITUTE TECHNOLOGY	New Jersey	NAVY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	278
	SYNERTECH INC	Delaware	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	154
	TECHNICAL RESEARCH ASSOCIATES	Utah	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	290
	TECHNOLOGY INTERNATIONAL INC	Louisiana	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	52
	TRACOR MBA	Texas	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	95
	TRANSITIONS RESEARCH CORP	Conn	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	49
	TRIANGLE RESEARCH & DEV CORP	N Carolina	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	50
	TRW INC	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	346
	TSI INCORPORATED	Minnesota	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	47
	UNIVERSAL TECHNICAL SYSTEMS	Illinois	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	49
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	55
	URDAN INDUSTRIES (USA) INC	ISRAEL	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	125
	WEST COAST RESEARCH CORP	California	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	130

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AC42 (CONTINUED)						
	WILLIAMS INTERNATIONAL CORP	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - EXPLOR DEVELOP	$	4,918
R&D TOTAL						15,821
AC43	AM GENERAL CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		39
	ARES INC	Ohio	NAVY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		691
	ARMORED VHCLE TCHNLOGIES ASSOD	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		4,505
	BOEING COMPANY THE	Washington	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		466
	CADILLAC GAGE TEXTRON INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		750
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		231
	CONTRAVES GOERZ CORPORATION	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		547
	CUMMINS ENGINE COMPANY INC	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		8,610
	FMC CORPORATION	California	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		7,314
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		15,926
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		6,864
	GENERAL MOTORS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		100
	GEO-CENTERS INC	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		64
	GROSSMANS INC	Wisconsin	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		200-
	HAECO INC	Ohio	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		47
	HANSEN ENGINE CORPORATION	Minnesota	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		205
	HARSCO CORPORATION	Penn	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		6,880
	KAMAN INSTRUMENTATION CORP	Colorado	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		565
	KENNECOTT CORPORATION	New York	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		70
	NORTHROP CORPORATION	California	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		492
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		190
	SINGE CO	California	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		25
	TELEDYNE INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP		500

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC43 (CONTINUED)					
	TELEDYNE INDUSTRIES INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	$ 270
	WILLIAMS INTERNATIONAL CORP	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ADVANCED DEVELOP	250
	R&D TOTAL				55,401
AC44	ALLIED SIGNAL INC	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	109
	AMETEK INC	California	USAF	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	184
	ANALYTIC SCIENCES CORP	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	403
	BROUGHTON, T T & SONS	UNITED KIN	NAVY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	270
	BUNDESAMT FUER WEHRTECHNIK	GERMANY, F	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	500
	CASDE CORPORATION	California	NAVY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	580
	CHAMBERLAIN MANUFACTURING CORP	Illinois	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	110
		Maryland	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	200
	CONTRACTOR TOTAL				310
	CHRYSLER CORPORATION	Alabama	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	1,430
	FIRE RESEARCH CORPORATION	New York	USAF	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	93
	FMC CORPORATION	California	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	82,061
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	3,155
			NAVY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	772-
	STATE TOTAL				2,383
	GENERAL ELECTRIC COMPANY	Vermont	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	7,225
	GENERAL MOTORS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	448
	HUTCHINSON CORPORATION	New Jersey	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	91
	MICHELIN TIRE CORP	S Carolina	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	56
	MOTOR WHEEL CORP	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	73
	PARCO ENGINEERING INC	California	USAF	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	47
	PATECELL CORP	New York	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	86

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC44 (CONTINUED)					
	PERKINS ENGINES	UNITED KIN	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	$ 321
	RCA CORPORATION	Mass	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	61
	STANDARD PRODUCTS COMPANY THE	Ohio	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	28-
	TELEDYNE INDUSTRIES INC	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	462
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	64
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	ARMY	RDTE/TANK - AUTOMOTIVE - ENGR DEVELOPMENT	81
	R&D TOTAL				97,310
AC45	AM GENERAL CORPORATION	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	3,266
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	140-
	CONTROL DATA CANADA LIMITED	CANADA	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	383
	CUMMINS ENGINE COMPANY INC	Indiana	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	157
	GENERAL DYNAMICS CORPORATION	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	16,450
	HONEYWELL INC	Minnesota	NAVY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	531
	INTERNATIONAL MICROWAVE SYS	California	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	148
	MECHANICAL TECHNOLOGY INC	New York	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	448
	MONARCH MACHINE CORPORATION	California	NAVY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	63-
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	56
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	750
	VSE CORPORATION	Virginia	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	6,414
	WAYNE STATE UNIVERSITY	Michigan	ARMY	RDTE/TANK - AUTOMOTIVE - OP SYS DEVELOP	35
	R&D TOTAL				28,435
AC51	CORVUS SYSTEMS INCORPORATED	Virginia	USAF	RDTE/WEAPONS - RESEARCH	1,393
	CREARE RESEARCH & DEVELOPMENT	N.H.	ARMY	RDTE/WEAPONS - RESEARCH	50
	ENERGY COMPRESSION RESEARCH	California	USAF	RDTE/WEAPONS - RESEARCH	45
	HONEYWELL INC	Minnesota	ARMY	RDTE/WEAPONS - RESEARCH	1,811

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC51 (CONTINUED)					
	I A P RESEARCH INC	Ohio	USAF	RDTE/WEAPONS - RESEARCH	$ 49
	I R T CORPORATION	California	USAF	RDTE/WEAPONS - RESEARCH	47
	KNOWLEDGE SYSTEMS CORP	N Carolina	ARMY	RDTE/WEAPONS - RESEARCH	50
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/WEAPONS - RESEARCH	86
	LOCKHEED CORPORATION	California	NAVY	RDTE/WEAPONS - RESEARCH	150
	MAREMONT CORPORATION	Maine	USAF	RDTE/WEAPONS - RESEARCH	4,736
	MARTIN MARIETTA CORPORATION	Florida	USAF	RDTE/WEAPONS - RESEARCH	140
		New Mexico	USAF	RDTE/WEAPONS - RESEARCH	112
	CONTRACTOR TOTAL				252
	MARTINGALE RESEARCH CORP	Texas	ARMY	RDTE/WEAPONS - RESEARCH	53
	METRON INC	Penn	NAVY	RDTE/WEAPONS - RESEARCH	292
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/WEAPONS - RESEARCH	33
	NORTH TEXAS STATE UNIVERSITY	Texas	USAF	RDTE/WEAPONS - RESEARCH	96
	ODETICS INC	California	ARMY	RDTE/WEAPONS - RESEARCH	50
	PARTNERSHIPS LTD INC	New Jersey	USAF	RDTE/WEAPONS - RESEARCH	73
	POTOMAC RESEARCH, INCORPORATED	Virginia	NAVY	RDTE/WEAPONS - RESEARCH	242
	PRESEARCH INCORPORATED	Virginia	NAVY	RDTE/WEAPONS - RESEARCH	270
	R & D ASSOCIATES	New Mexico	USAF	RDTE/WEAPONS - RESEARCH	50
	REMINGTON ARMS COMPANY INC	New York	ARMY	RDTE/WEAPONS - RESEARCH	1,950
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/WEAPONS - RESEARCH	200
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/WEAPONS - RESEARCH	123
	SPARTA INC	Alabama	ARMY	RDTE/WEAPONS - RESEARCH	1,546
	SPARTON CORPORATION	Michigan	NAVY	RDTE/WEAPONS - RESEARCH	135
	SYNDETIX INC	New Mexico	USAF	RDTE/WEAPONS - RESEARCH	975
	TECHNICAL SOLUTIONS INC	New Mexico	ARMY	RDTE/WEAPONS - RESEARCH	50

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC51 (CONTINUED)					
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/WEAPONS - RESEARCH	$ 75
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/WEAPONS - RESEARCH	75
	UNIVERSITY OF DENVER	Colorado	NAVY	RDTE/WEAPONS - RESEARCH	221
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - RESEARCH	208
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/WEAPONS - RESEARCH	1,523
	UNIVERSITY RES ENGINEERS ASSC	California	ARMY	RDTE/WEAPONS - RESEARCH	49
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - RESEARCH	1,479
R&D TOTAL					18,437
AC52	A A I CORPORATION	Maryland	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,305
	A T & T TECHNOLOGIES INC	Penn	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,625
	ADVANCED REFR TECHNOLOGIES	New York	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	496
	ADVANCED SCIENCES INC	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	64
	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	32
	APPLICATIONS RESEARCH CORP	Florida	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	100
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	303
	ARES INC	Ohio	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	4,706
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	50
	AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	20,400
	B S T SYSTEMS INC	Conn	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	29
	BDM CORPORATION	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	579
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	513
	BOLT BERANEK & NEWMAN INC	Mass	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	200
	COLT INDUSTRIES INC	Conn	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,447
	COMPUTER SCIENCES CORPORATION	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	2,625
	DEEP HOLE SPECIALISTS INC	Ohio	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	70

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC52 (CONTINUED)					
	DEFENSE SYSTEMS COMPANY INC	Texas	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	$ 79
	FORD AEROSPACE	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	46
	FRIED D L ASSOCIATES INC	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	720
	GENERAL ELECTRIC COMPANY	Vermont	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	190
			USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	4,000
		STATE TOTAL			4,190
	GOULD INC	Rhode Isld	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	94
	HECKLER & KOCH INC	GERMANY, F	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	2,514
	HONEYWELL INC	Minnesota	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	374
			USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	530
		STATE TOTAL			904
	JAYCOR	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	72
	KANSAS STATE UNIVERSITY	Kansas	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	60
	KTECH CORPORATION	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,030
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	118
	LORAL CORPORATION	Arizona	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,254
	LOUISIANA STATE UNIVERSITY	Louisiana	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	101
	MARTIN MARIETTA CORPORATION	Florida	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	579
		Maryland	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	4,805
			USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	36
		STATE TOTAL			4,841
		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	808
	CONTRACTOR TOTAL				6,228
	MAXWELL LABORATORIES INC	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	225
		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	905
	CONTRACTOR TOTAL				1,130

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC52 (CONTINUED)					
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	$ 135
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	269
		California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	449
	CONTRACTOR TOTAL				718
	MISSION RESEARCH CORPORATION	California	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	250
			USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	939
	STATE TOTAL				1,189
	MOTOROLA INC	Arizona	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	814
	NEW MXICO INST OF MIN TCHNLGY	New Mexico	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	377
	NORTHROP CORPORATION	California	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	93
	ODETICS INC	California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	272
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	40
	R & D ASSOCIATES	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	70
		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	350
	CONTRACTOR TOTAL				420
	RAYTHEON COMPANY	Mass	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,470
	REMINGTON ARMS COMPANY INC	New York	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	54
	ROCKWELL DEL INC	California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	279
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	296
		New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,587
	CONTRACTOR TOTAL				1,883
	SCIENCE & ENGINEERING ASSOC	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	637
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	65
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	202
	SPARTA INC	California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	597
	SPECTRA TECHNOLOGY INC	Washington	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	210

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC52 (CONTINUED)					
	SRI INTERNATIONAL	California	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	$ 55
	STEYR-DAIMLER-PUCH AG	AUSTRIA	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,693
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	505
	TELEFLEX INCORPORATED	Penn	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	358
	TRW INC	California	NAVY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	75
			USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,024
		STATE TOTAL			1,099
		Ohio	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	32
	CONTRACTOR TOTAL				1,131
	UNITED INTERNATIONAL ENGRG	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	617
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	582
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	965
	UNIVERSITY OF IDAHO	Idaho	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	40
	UNIVERSITY OF KENTUCKY	Kentucky	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	100
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	1,909
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	800
	VERAC INCORPORATED	New Mexico	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	469
	WEIDLINGER ASSOCIATES INC	California	USAF	RDTE/WEAPONS - EXPLORATORY DEVELOPMENT	136
R&D TOTAL					71,899
AC53	A T & T TECHNOLOGIES INC	Penn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,399
	ACUREX CORPORATION	Ohio	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,889
	AERODYNE PRODUCTS CORPORATION	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	47
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,705
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	85
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,963

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)					
	AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	$ 10,772
	BALL CORPORATION	Colorado	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	31,640
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	553
	CONTRACTOR TOTAL				32,193
	BDM CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,548
	BOEING COMPANY THE	Alabama	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	158
			USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,568
		STATE TOTAL			2,726
		Washington	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	81,657
			USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	584
		STATE TOTAL			82,241
	CONTRACTOR TOTAL				84,967
	BOLT BERANEK & NEWMAN INC	Mass	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,771
			USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	200
		STATE TOTAL			2,971
	BOOZ ALLEN & HAMILTON INC	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	723
	COMPUTER SCIENCES CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	7,956
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	40
	EAGLE TECHNOLOGY INC	Florida	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	143
		Virginia	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	486
	CONTRACTOR TOTAL				629
	FORD AEROSPACE	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	36
	FRIED D L ASSOCIATES INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	280
	GENERAL ELECTRIC COMPANY	Penn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,534
	HARRIS CORPORATION	Florida	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,611
	HERCULES INCORPORATED	Utah	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	200

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)					
	HONEYWELL INC	Arizona	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	$ 1,028
		Minnesota	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	926
	CONTRACTOR TOTAL				1,954
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	8,615
	I R T CORPORATION	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	612
	KAMAN CORPORATION	Conn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	19,931
	KEMP CORPORATION	Tennessee	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	46
	KTECH CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	192
	LITTON INDUSTRIES INC	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	298
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	7,235
	LORAL CORPORATION	Ohio	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,725
	MAREMONT CORPORATION	Maine	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	127
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	930
		Florida	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	75,870
			USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	160
	STATE TOTAL				76,030
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,216
	CONTRACTOR TOTAL				79,176
	MAXWELL LABORATORIES INC	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	703
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,429
		Missouri	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	4,905
	CONTRACTOR TOTAL				8,334
	MICRONICS INTERNATIONAL, INC	California	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	493
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	145
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	318

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)					
	CONTRACTOR TOTAL				$ 463
	MORTON THIOKOL INC	Utah	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,930
	MOTOROLA INC	Arizona	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,976
	NEW MEXICO STATE UNIVERSITY	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	89
	NORTHROP CORPORATION	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,536
	P C O INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	208
	PACIFIC CRYOGENICS	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	225
	PARKS ASSOCIATES	Virginia	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	199
	PERKIN ELMER CORPORATION	Conn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,810
	PHOTON RESEARCH ASSOCIATES	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	128
	PHYSICON INC	Alabama	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	50
	PRESEARC NCORPORATED	Florida	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	168
	QUANTIC INDUSTRIES INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	358
	R & D ASSOCIATES	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,680
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	6,883
	CONTRACTOR TOTAL				8,563
	RASOR ASSOCIATES, INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	98
	RCA CORPORATION	New Jersey	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,000
			USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,516
		STATE TOTAL			5,516
	RIVERSIDE RESEARCH INSTITUTE	New York	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	80
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,151
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	14,064
	CONTRACTOR TOTAL				15,215
	S SYSTEMS CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	425

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)					
	SCHAFER W J ASSOCIATES INC	Mass	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	$ 2,206
	SCHOTT GLASS TECHNOLOGIES INC	GERMANY, F	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,097
	SCIENCE & ENGINEERING ASSOC	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	210
	SCIENCE APPLICATIONS INTL CORP	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	163
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	27
	SPARTA INC	California	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	49
		Virginia	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	505
	CONTRACTOR TOTAL				554
	SPECTRA DIODE LABORATORIES INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	999
	SPERRY CORPORATION	Arizona	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	272
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,565
	SYSTEM DEVELOPMENT CORPORATION	Virginia	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	414
	TELEDYNE INC	Alabama	ARMY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	224
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	559
	TEXTRON INC	New York	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	800
	TRW INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	43,734
	UNISYS CORPORATION	Florida	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	330
	UNITED INTERNATIONAL ENGRG	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	570
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	1,558
		Florida	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	2,024
		New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	108
	CONTRACTOR TOTAL				3,690
	UNIVERSITY OF MINNESOTA	Minnesota	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	40
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	139
	VARIAN ASSOCIATES INC	California	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	385

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC53 (CONTINUED)					
	VERAC INCORPORATED	New Mexico	USAF	RDTE/WEAPONS - ADVANCED DEVELOPMENT	$ 2,676
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	79
	WESTINGHOUSE DEFENSE ELECT DI	Maryland	NAVY	RDTE/WEAPONS - ADVANCED DEVELOPMENT	3,000
R&D TOTAL					397,759
AC54	ANALYTIC SCIENCES CORP	Florida	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,085
		Mass	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	200
	CONTRACTOR TOTAL				1,285
	AQUIDNECK MGT ASSOC LTD	Rhode Isld	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	137
	AVCO CORPORATION	Mass	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	10,177
	BDM CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	169
	BDM MANAGEMENT SERVICES CO	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	2,061
	BOEING COMPANY THE	Texas	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	54
	COMPUTER SCIENCES CORPORATION	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	104
	COMPUTER SOFTWARE ANALYSTS	Virginia	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	375
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	3,409
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	250
	EATON CONSOLIDATED CONTROLS	California	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	408
	GENERAL DYNAMICS CORPORATION	California	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	17,864
	GENERAL ELECTRIC COMPANY	Nebraska	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	233
		New York	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	396
	CONTRACTOR TOTAL				629
	GREEN INTERNATIONAL WEST INC	California	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	84
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	8,787
	HARSCO CORPORATION	Penn	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	30,459
	HONEYWELL INC	Minnesota	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	100,636

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC54 (CONTINUED)					
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	$ 329,457
	KAMAN SCIENCES CORPORATION	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,223
		New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,341
	CONTRACTOR TOTAL				2,564
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	227
	LORAL CORPORATION	Ohio	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	29,242
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	212
		New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	149
	CONTRACTOR TOTAL				361
	MOTOROLA INC	Arizona	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	260
	NATIONAL FORGE COMPANY	Penn	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,780
	NATIONAL SEMICONDUCTOR CORP	California	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	273
	ORION INTL TECHNOLOGIES	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	706
	R & D ASSOCIATES	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	90
	SONALYSTS INC	Conn	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	150
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	135
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	420
	TECH REPS INCORPORATED	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	
	TECOLOTE RESEARCH INC	Virginia	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	80
	TRW INC	California	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	576
		New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	45-
	CONTRACTOR TOTAL				531
	UNITED INTERNATIONAL ENGRG	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	829
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	1,440
	VER-VAL ENTERPRISES INC	Florida	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	48-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC54 (CONTINUED)					
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	$ 116
	WRIGHT-MALTA CORP	New York	ARMY	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	234
	YEA INC	New Mexico	USAF	RDTE/WEAPONS - ENGINEERING DEVELOPMENT	40
	R&D TOTAL				545,775
AC55	BAIRD CORPORATION	Mass	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	280
	BDM CORPORATION	New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	1,726
	BOEING COMPANY THE	Washington	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	427
	BOOZ ALLEN & HAMILTON INC	New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	45
	CADILLAC GAGE TEXTRON INC	Michigan	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	93
	COMPUTER SCIENCES CORPORATION	New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	160
	DEFENSE SYSTEMS INC	Virginia	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	31
	FLIGHT SYSTEMS INC	California	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	258
		New Mexico	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	98
	CONTRACTOR TOTAL				356
	HONEYWELL INC	New Mexico	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	2,538
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	88
	INTERACTIVE	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	49
	MCDONNELL DOUGLAS ASTRONAUTICS	Florida	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	27,673
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	317
		New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	42
	CONTRACTOR TOTAL				359
	NUCLEAR METALS INC	Mass	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	76
	PHYSICAL OPTICS CORP	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	47
	PRESEARCH INCORPORATED	Florida	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	133
	R & D ASSOCIATES	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	1,894

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC55 (CONTINUED)					
	RESOURCE CONSULTANTS INC	Virginia	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	$ 276
	STATE OF OKLAHOMA	Florida	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	1,983
	TRW INC	California	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	50
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	85
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	307
	VARO ELECTRO OPTICS INC	Texas	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	100
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - OP SYSTEMS DEVELOPMENT	478
R&D TOTAL					39,254
AC56	ANADIGICS INC	New Jersey	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	48
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	264
	APTEK INC	Colorado	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	119
	BDM CORPORATION	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	1,151
	BDM MANAGEMENT SERVICES CO	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	1,017
	COMPUTATIONAL MECHANICS	Texas	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	286
	DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	48
	DESIGN ENGINEERING INC	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	175
	DISPLAYTECH INC	Colorado	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	50
	E-TEK DYNAMICS INC	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	49
	GEOTECHNICS INC	Ohio	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	48
	INNOVATIVE SCIENCES INC	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	50
	KTECH CORPORATION	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	40
	LOCKHEED CORPORATION	California	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	3,328-
	MERIDIAN CORPORATION	Virginia	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	175
	MOLECULAR TECH INC	Mass	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	47
	MOUNTAIN OPTECH INC	Colorado	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	47

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC56 (CONTINUED)					
	P I INCORPORATED	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	$ 304
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	190
	PHYSICS-MATHEMATICS COMPUTER	New Mexico	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	359
	POLYTRONIX INC	Texas	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	49
	RAYTHEON COMPANY	Mass	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	43
	ROCKWELL INTERNATIONAL CORP	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	83
	STANFORD TELECOMMUNICATIONS	Virginia	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	52
	STATCON INC	Maryland	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	151
	SYNERGISTIC DETECTOR DESIGNS	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	50
	SYNTEK ENGRG COMPUTER SYSTEMS	California	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	50
	TEMPLE RESEARCH LABS	Louisiana	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	52
	TRACOR APPLIED SCIENCES INC	California	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	169
	UNITED INTERNATIONAL ENGRG	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	129
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	76
	VISTA RESEARCH	California	USAF	RDTE/WEAPONS - MANAGEMENT & SUPPORT	47
	VITRO CORPORATION	Maryland	NAVY	RDTE/WEAPONS - MANAGEMENT & SUPPORT	2,959
R&D TOTAL					5,049
AC61	A T & T TECHNOLOGIES INC	N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	15,172
	ADVANCED FIBEROPTICS CORP	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	250
	ADVANCED OPTICAL SYSTEM	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	ADVANCED TECHNOLOGY SYSTEMS	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	320
	AEL INDUSTRIES INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	139
			NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	202
		STATE TOTAL			341
	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	114

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC61 (CONTINUED)					
	AMHERST SYSTEMS INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	$ 433
	ANADIGICS INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	496
	ANALYTIC SCIENCES CORP	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	257
			USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	170
		STATE TOTAL			427
	ANALYTICS INCORPORATED	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	43
	APPLIED BIOMEDICAL CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	170
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	ARKADY ASSOCIATES	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	219
	ASTRON CORPORATION	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	200
	ATLANTIC AEROSPACE ELECTRONICS	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,283
	AVCO RESEARCH LABORATORY INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	650
			USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	340
		STATE TOTAL			990
	BALL CORPORATION	Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	155
	BATTERY INTERNATIONAL INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	BK SECURITY INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	BOEING COMPANY THE	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	593
	BOLT BERANEK & NEWMAN INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	2,232
	BUSINESS TCHNLOGICAL SYSTEMS	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	136
	C K C INDUSTRIES INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	63
	CALIFORNIA INST OF TECHNOLOGY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	493
	CENTER FOR REMOTE SENSING	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	48
	COMBUSTION ENGINEERING INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	3,174
	COMMAND SYSTEMS GROUP INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	190
	COMPUTER SCIENCES CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	257

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC61 (CONTINUED)					
	CONTROL DATA CORPORATION	Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	$ 281
	COPROCESSOR CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	101
	CORVUS SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	453
	DATA SYSTEMS ANALYSTS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	DIGITAL RADIO CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	102
	DISPLAYTECH INC	Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	E G & G INC	Nevada	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	4,283
	E I C LABORATORY INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	E-SYSTEMS INC	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	490
	ELECTRO MAGNETIC APPLICATIONS,	Colorado	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	ENERGY SCIENCE LABORATORIES	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	EOS TECHNOLOGIES INC	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	EXIDE ELECTRONICS GROUP INC	N Carolina	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	113
	EXPERT EASE SYSTEMS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	FAIRCHILD INDUSTRIES INC	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	125
	FERMIONICS CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	175
	FIBERTEK INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,300
	FLAM & RUSSELL INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	FORD AEROSPACE	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	327
	GAERTNER W W RESEARCH INC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	150
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,525
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	849
	GEO-CENTERS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	340
	GEORGIA TECH RESEARCH CORP	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	78

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC61 (CONTINUED)					
	GOLD HILL COMPUTERS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	$ 100
	H-CUBED CORP	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	HITTITE MICROWAVE CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	249
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	4,128
			NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	106
		STATE TOTAL			4,234
	HYDROACOUSTICS INC	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	30
	II-VI INCORPORATED	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	INFORMATION SYSTEMS LABS	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	290
			NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	57
		STATE TOTAL			347
	INSTRUMENTS, INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	41
	INTEGRATED SOFTWARE INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	INTEGRATED SYSTEMS RSCH CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	INTERNTNAL CMPTER SPECIALISTS	Georgia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	48
	INTERSTATE ELECTRONICS CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,258
	INTL MOBILE MACHINES CORP	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	ITT CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	44
		New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	408
	CONTRACTOR TOTAL				452
	JSH OPTICS	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	48
	K-MEC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	KAB LABORATORIES, INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	KUNZ ASSOCIATES INC	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	124
	L B & M ASSOCIATES INC	Oklahoma	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	250

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC61 (CONTINUED)					
	L J F CORP	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	$ 508
	LASER SCIENCE, INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	53
	LAZER TECHNOLOGY ASSOC INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	99
	LICA SYSTEMS INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	LIGHTWAVE ELECTRONICS CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	LINKNET	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	LITTON SYSTEMS INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	450
	M/A-COM PHI INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	200
	MAC AULAY-BROWN INC	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	195
	MAGNAVOX COMPANY (INC)	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	26
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	9,151
	MARTIN MARIETTA CORPORATION	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	406
			USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	125
	STATE TOTAL				531
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	596
	MEGAPELS, INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	MICROCOM CORPORATION	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	251
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	38
	MSC CORP	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	MYK TECHNOLOGY INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	99
	NOISE COM INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	95
	NORTH TEXAS STATE UNIVERSITY	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	120
	OHIO STATE UNIVERSITY	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	109
	OREGON GRAD CNTR STUCY/RESERCH	Oregon	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	217
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	250

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC61 (CONTINUED)					
	PHYSICAL OPTICS CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	$ 50
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	330
	PREDICTION SYSTEMS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	271
	PROGRAMMING ENVIRONMENTS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	249
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	300
	QUALCOMM INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	160
	RADIATION MONITORING DEVICES	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	150
	RAIL COMPANY	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	303
	RALCON	Utah	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	201
	RAYTHEON COMPANY	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	175
			NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	12,121
		STATE TOTAL			12,296
	REFRACTION TECHNOLOGY INC	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	352
	RHEINELEKTRA AG	GERMANY, F	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	36
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	525
		Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,215
	CONTRACTOR TOTAL				1,740
	S C S TELECOM INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	164
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	201
	SAN DIEGO SEMICONDUCTORS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	319
	SANDERS ASSOCIATES INC	N.H.	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	80-
			NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	300
		STATE TOTAL			220
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	2,525
	CONTRACTOR TOTAL				2,745
	SCHWARTZ ELECTRO-OPTICS INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50

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(AMOUNTS IN THOUSANDS)

AC61 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	SCIENCE APPLICATIONS INTL CORP	Hawaii	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	$ 41
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	463
	CONTRACTOR TOTAL				504
	SCOPE INCORPORATED	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	231
	SEMETEX CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	55
	SENSCI CORP	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	SOLIDLITE CORP	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	SPIRE CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	64
	SRI INTERNATIONAL	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,616
	SRS TECHNOLOGIES	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	201
	STANFORD TELECOMMUNICATIONS	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	39
	STATISTICAL CONSULTING ASSOC	Rhode Isld	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	199
	SYNETICS CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	497
	SYRACUSE RESEARCH CORP	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	45
	SYSTEMS EXPLORATION INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	57
	TEXAS INSTRUMENTS ASIA LIMITED	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	100
	TEXCOM INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	100
	TRUSTED INFORMATION SYSTEMS	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	1,451
	TRW INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	217
			NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	3,375
		STATE TOTAL			3,592
	TS INFOSYSTEMS INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	UNISYS CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	700
		Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	130
	CONTRACTOR TOTAL				830

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC61 (CONTINUED)					
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	$ 80
	UNIVERSITY OF DELAWARE	Delaware	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	323
	UNIVERSITY OF FLORIDA	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	213
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	125
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	430
	UNIVERSITY OF PENNSYLVANIA	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	115
	UNIVERSITY OF ROCHESTER	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	96
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	5,653
	UNIVERSITY OF TEXAS SYSTEM	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	21,277
	UNIVERSITY OF VIRGINIA	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	415
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	7,305
	VANCE SYSTEMS INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	486
	VHG LABS	N.H.	ARMY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	50
	VIASAT INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	49
	XEROX CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - RESEARCH	600
R&D TOTAL					126,819
AC62	ADAPTIVE SENSORS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	186
	ADVANCED SYSTEMS CONCEPTS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	257
	AEROJET ORDNANCE COMPANY	California	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	244
	AEROSPACE MASS PRPTS ANALYSIS	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	593
	AEROVIRONMENT INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	ALLIED SIGNAL AEROSPACE CO	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	134
	ALPHA OPTICAL SYSTEMS INC	Miss	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	113
	ALTUS CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	ALUPOWER INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	197
	AMERICAN MANUFACTURING CORP	Louisiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	39

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AC62 (CONTINUED)						
	AMPEX CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$	190
	ANALOG MODULES INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		60
	ANALYSIS & COMPUTER SYSTEMS	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		250
	APTEK INC	Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		65
	ARETE ASSOCIATES	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		884
	ARGOTEC INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		96
	ARTAIS INC	PUERTO RIC	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		38
	ATLANTIC RESEARCH CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		73
	BALL CORPORATION	Colorado	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		165
	BDM CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		533
	BELL COMMUNICATIONS RESEARCH	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		57
	BELL TELEPHONE LABS INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		241
	BISTRA RESEARCH INCORPORATED	S Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		177
	BOLT BERANEK & NEWMAN INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		3,729
	BOOZ ALLEN & HAMILTON INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		168
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		50
	CONTRACTOR TOTAL					218
	BRITISH AEROSPACE LTD	UNITED KIN	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		57
	BRUNSWICK CORPORATION	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		240
	C V D INCORPORATED	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		281
	CAD LANGUAGE SYSTEMS INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		75
	CALIFORNIA STATE UNIV - CHICO	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		654
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		200
	CENTURY COMPUTING INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		90
	CLS LASER SYSTEMS INC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV		110

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	COLLABERATION IN SCIENCE&TECH	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$ 57
	COLLINS INTERNATIONAL SV CO	Iowa	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	354
	COLUMBIA UNIVERSITY	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	630
	COMBUSTION ENGINEERING INC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	30
	COMMUNICATIONS ELEC INTL	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	68
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	927
	DART INDUSTRIES INC.	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	165
	DATA SYSTEMS INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	95
	DATUM INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	47
	DBA SYSTEMS INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	5,616
	DE LORME PUBLISHING COMPANY	Maine	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	75
	DECISION SCIENCE CONSORTIUM	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	DIGITAL RADIO CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	128
	DIVERSIFIED DATA CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	100
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	220
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	287
	E G & G INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	180
	E I C LABORATORY INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	280
	E-OIR MEASUREMENTS INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	301
	EATON CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	306
	EMCORE CORP	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	ENGINEERING & ECONOMICS RES	W Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	384
	ENGINEERING & PROF SVCS	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	306
	ENVIRONMENTAL RESEARCH	Michigan	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	356
	EPITAXX INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	ESL INCORPORATED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$ 550
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	2,512
		STATE TOTAL			3,062
	ESSCUBE ENGINEERING INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	434
	FAIRCHILD INDUSTRIES INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	96
	FIBERTEK INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	576
	FLAM & RUSSELL INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	210
	GENERAL DYNAMICS CORPORA ION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,400
	GENERAL ELECTRIC COMPANY	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	820
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	528
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	605
		STATE TOTAL			1,953
	GENERAL TECHNICAL SERVICES	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	135
	GEO-CENTERS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	49
	GEODYNAMICS CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	476
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	44
		STATE TOTAL			520
	GORDON ASSOCIATES	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	430
	GOULD INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	116
		Ohio	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	575
	CONTRACTOR TOTAL				691
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	2,580
	GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	387
	HARTMANN RESEARCH INC	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	183
	HAZELTINE CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	150
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	59

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
		STATE TOTAL			$ 209
	HECHT-NIELSEN NEUROCOMPUTER	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	HITTITE MICROWAVE CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	158
	HONEYWELL INC	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	240
		Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	446
		Minnesota	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,196
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	626
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	98
		STATE TOTAL			1,920
		Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	488
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
		STATE TOTAL			688
	CONTRACTOR TOTAL				3,294
	HUGHES ACFT & TEXAS INSTR JV	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	400
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	3,753
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,016
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	369
		STATE TOTAL			5,138
		Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	657
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	300
	CONTRACTOR TOTAL				6,095
	HYCOM INCORPORTED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	585
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	137
		GERMANY, F	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	329
	CONTRACTOR TOTAL				466
	INDIANA UNIVERSITY FOUNDATION	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	30
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	242

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$ 56
	INTERNATIONAL SOFTWARE SYSTEMS	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	500
	INTERSPEC INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	ITT CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	180
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,467
		STATE TOTAL			1,647
		Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	150
	CONTRACTOR TOTAL				1,797
	J & J SCIENTIFIC INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	J R S RESEARCH LABORATORIES,	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	JAYCOR	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	90
	L J F CORP	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	L N R COMMUNICATIONS INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	LITTON INDUSTRIES INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	458
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	766
		STATE TOTAL			1,224
	LITTON SYSTEMS INC	Arizona	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	75
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	78
	CONTRACTOR TOTAL				153
	LOCKHEED ELECTRONICS CO	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	500
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	463
	LOCUS INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	713
	LOGICON INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	303
	LORAL ELECTRO-OPTICAL SYSTEMS	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	188
	LOS ALAMOS TECHNICAL ASSOC INC	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	5,000
	M S B SYSTEMS INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	M/A COM LINKABIT INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$ 380
	MAGNAVOX GOVT & INDUST ELECTR	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	450
	MANATECH ASSOCIATES	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	115
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	2,540
		Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	397
	CONTRACTOR TOTAL				2,937
	MASSA PRODUCTS CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	MASSACHSETTS TECHNOLOGICAL LAB	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	250
	MAYFLOWER COMMUNICATION CO	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
		Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	247
	CONTRACTOR TOTAL				297
	MC DONNELL DOUGLAS CORPORATION	Missouri	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	534
	MCDONNELL DOUGLAS ASTRONAUTICS	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	250
	MEASUREMENT CONCEPTS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	180
	MEGAPULSE INCORPORATED	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	58
	MICHIGAN TCHNLGCAL UNIVERSITY	Michigan	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	615
	MICRILOR INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	49
	MICRO MODE PRODUCTS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	MICROTRONICS ASSOCIATES INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	MILLITECH CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	MOTOROLA INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	8,242
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	410
	STATE TOTAL				8,652
	MULTIFLOW COMPUTER INC	Florida	JSAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	276
	NATION INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	2,511

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	NEW ENGLAND RESEARCH CENTER	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$ 85
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	187
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	381
	NOISE COM INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	NORDEN SYSTEMS INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	36
	NORTHROP CORPORATION	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	36
	OPTIVISION INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	955
	ORFI SYSTEMS INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	59
	ORINCON CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,339
	P C O INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	96
	P R B ASSOCIATES INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	40
	PACER SYSTEMS INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	255
	PACIFIC MONOLITHICS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	495
	PAR TECHNOLOGY CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	PEGASUS INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	89
	PENN COMPUTER ASSOCIATES INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	62
	PENNWALT CORPORATION	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	65
	PERKIN ELMER CORPORATION	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,100
	PHLOGISTRONICS	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	PHRAXOS RESEARCH & DEV INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	PIEZO SONA TOOL CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	229
	PIEZO TECHNOLOGY INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	200
	PLANAR SYSTEMS INC	Oregon	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	775
	POLHEMUS NVGTN SCNC INC	Vermont	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	502

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	PREDICTION SYSTEMS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$ 761
	PURDUE UNIVERSITY	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	30
	QUANSCAN INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	396
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	697
	R & D ASSOCIATES	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	150
		Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	366
	CONTRACTOR TOTAL				516
	RADANT TECHNOLOGIES INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	521
	RAYTHEON COMPANY	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	62
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	80
	STATE TOTAL				142
		Rhode Isld	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	245
	CONTRACTOR TOTAL				387
	RCA CORPORATION	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	100
	RECON OPTICAL INC	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	96
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	150
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	419
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,561
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	325
	STATE TOTAL				2,305
	ROME RESEARCH CORP	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	213
	ROSENBAUM HAROLD ASSOCIATES	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	94
	RUTGERS THE STATE UNIVERSITY	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	42
	RUTGERS UNIVERSITY	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	59
	S C S TELECOM INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	369
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	160

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	SAFT AMERICA INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$ 60
	SANDERS ASSOCIATES INC	N.H.	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	647
	SAWYER RESEARCH PRODUCTS INC	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	61
	SCI TEC INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	67
	SCIENCE & ENGINEERING ASSOC	New Mexico	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	138
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	369
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	600
	CONTRACTOR TOTAL				969
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	103
	SEDCO SYSTEMS INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	95
	SIERRA NEVADA CORPORATION	Nevada	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	770
	SOFTWARE SYSTEMS ENGINEERING	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	80
	SPARTA INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	386
	SPARTON CORPORATION	Michigan	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	217
	SPECIAL ILLUMINATION SYSTEMS,	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	SPIRE CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,132
	SRI INTERNATIONAL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	15,225
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	395
	STATE TOTAL				15,620
	STANFORD TELECOMMUNICATIONS	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	300
	STAR MICROWAVE	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	95
	STATE OF THE ART CONSULTING	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	76
	STEINBRECHER CORP	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	253
	STONEHART ASSOCIATES, INC	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	SUNDSTRAND DATA CONTROL INC	Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	128

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
	SYSTEM DEVELOPMENT CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$ 200
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,312
	SYSTEMS EXPLORATION INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	376
	T S C INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	560
	TACAN CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	49
	TCOM CORP	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	42
	TECHNICAL EVALUATION RESEARCH	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	152
	TELECMMUNICATION SCIENCE ASSOC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	1,697
	TELEDYNE ENERGY SYSTEMS	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	174
	TENSION MEMBER TECHNOLOGY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	241
	TEXAS A & M UNIV SYS THE	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	560
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	3,260
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	125
	STATE TOTAL				3,385
	TEXCOM INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	300
	THINKING MACHINES CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	2,197
	THOMSON-C S F COMPONENTS CORP	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	51
	TRACOR APPLIED SCIENCES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	874
	TRW INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	3,458
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	956
	STATE TOTAL				4,414
	U T L CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	153
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	75
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	130
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	525
	UNIVERSITY OF SOUTHERN CALIF	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	120

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC62 (CONTINUED)					
			USAF	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	$ 2,715
		STATE TOTAL			2,835
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	312
	VARIAN ASSOCIATES INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	404
	VENTANA SCIENCES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	279
	VITRONICS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	300
	VOLTAIX INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	W VINTEN LIMITED	UNITED KIN	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	100
	WEST VIRGINIA UNIVERSITY	W Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	99
	WESTERN FILAMENT INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	54
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	511
			NAVY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	6,160
		STATE TOTAL			6,671
		Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	800
	CONTRACTOR TOTAL				7,471
	WHITTAKER CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	39
	XMCO INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	YARDNEY CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	50
	ZEGER-ABRAMS INCORPORATED	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - EXPLOR DEV	61
R&D TOTAL					140,184
AC63	A T & T TECHNOLOGIES INC	N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	35,636
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	400
		STATE TOTAL			36,036
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,804
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	300
		STATE TOTAL			2,104
	ALCOA DEFENSE SYSTEMS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,556

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	ALLIED SIGNAL AEROSPACE CO	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 4,415
	ALTUS CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	27
	AMBER ENGINEERING INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	239
	AMERICAN COMPUTER EDUCATOR IN	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	28
	AMERICAN SYSTEMS CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	46
	AMHERST SYSTEMS INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	45
	ANALYTIC SCIENCES CORP	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	6,176
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	935
		STATE TOTAL			7,111
	ANALYTICAL SYSTEMS ENGRG CORP	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	147
	ANALYTICS INCORPORATED	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	75
	ARINC RESEARCH CORPORATION	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,137
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	100
		Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	210
	CONTRACTOR TOTAL				310
	ATLANTIC RESEARCH CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	360
	AUTOMETRIC INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	85
	BALL CORPORATION	Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	250
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	554
		STATE TOTAL			804
	BDM CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	286
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	126
		STATE TOTAL			412
	BOEING COMPANY THE	Kansas	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	991
		Washington	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	192
	CONTRACTOR TOTAL				1,183

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	BOLT BERANEK & NEWMAN INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 29
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	656
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	151
		STATE TOTAL			807
	BR COMMUNICATIONS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	62
	C M ENGINEERING CO	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	370
	CALSPAN CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,283
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	253
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	197
		STATE TOTAL			450
	CARTWRIGHT ELECTRONICS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	275
	COHERENT TECHNOLOGIES INC	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	200
	COLLINS INTERNATIONAL SV CO	Iowa	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	340
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	88
		STATE TOTAL			428
	COMPUSEC, INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	243
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	16,418
	COMPUTER SOFTWARE ANALYSTS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	94
	COMTECH TELECOMMUNICATIONS	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	36
	CSA ENGINEERING INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	DARTMOUTH COLLEGE	N.H.	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	300
	DATASONICS INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	300
	DAVID SARNOFF RESEARCH LABS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	355
		New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	200
	CONTRACTOR TOTAL				555
	DBA SYSTEMS INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	230
	DCS CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	583

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	DECISION SCIENCE CONSORTIUM	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 250
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	5,951
	DWA COMPOSITE SPECIALTIES INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	E-OIR MEASUREMENTS INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	400
	E-SYSTEMS INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	4,700
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,149
		STATE TOTAL			6,849
		Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	330
	CONTRACTOR TOTAL				7,179
	EAGLE TECHNOLOGY INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	3,588
	ELECTRO RADIATION INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	ELECTRO-OPTICAL INDUSTRIES INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	153
	EMERSON ELECTRIC CO	Missouri	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	200
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	103
	CONTRACTOR TOTAL				303
	ENGINEERING & ECONOMICS RES	W Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	39
	ENVIRON RSCH INST OF MICHIGAN	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	800
	ENVIRONMENTAL RESEARCH	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	474
	ESL INCORPORATED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,009
	ETM-ELECTROMATIC INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	400
	EYRING RESEARCH INSTITUTE INC	Utah	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	144
	FLIGHT SYSTEMS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	394
	FORD AEROSPACE	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,159
	GCA CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	74
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,781

AD-A207 631 DOLLAR SUMMARY OF FEDERAL SUPPLY CLASSIFICATION AND SERVICE CATEGORY BY C..(U) WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INF.. 1988 2 4

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PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	GENERAL ELECTRIC COMPANY	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 60
		Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	292
		New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	15,378
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	16,066
		STATE TOTAL			31,444
	CONTRACTOR TOTAL				31,796
	GENERAL RESEARCH CORPORATION	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	26
	GENERAL SIGNAL CORPORATION	Maine	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	90
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,413
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,443
		STATE TOTAL			3,856
	GOULD INC	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	871
		Ohio	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	228
	CONTRACTOR TOTAL				1,099
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,743
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	423
		GERMANY, F	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	59
	CONTRACTOR TOTAL				482
	GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	45-
		Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,130
	CONTRACTOR TOTAL				1,085
	HARRIS CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	160
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,619
		STATE TOTAL			1,829
		New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	4,543
	CONTRACTOR TOTAL				6,372

PRIME CONTRACTS OVER $25 000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	HAZELTINE CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 1,289
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,519
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,785
		STATE TOTAL			4,593
	HONEYWELL INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	3,716
		Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	131
		Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	868
		Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,391
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	26,168
		STATE TOTAL			27,559
		New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	5,213
	CONTRACTOR TOTAL				37,487
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	33,005
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	9,776
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	16,601
		STATE TOTAL			59,382
	INNOVATIVE INFORMATION SYS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,400
	INTERMETRICS INC	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,306
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	99
		New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,696
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	12,322
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	18,941
		STATE TOTAL			31,263
	CONTRACTOR TOTAL				33,058
	INTERSPEC INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	80
	IRVINE SENSORS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	300
	ITT CORPORATION	New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	122
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	193
	CONTRACTOR TOTAL				315

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	ITT WESTINGHOUSE JOINT VENTURE	New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 1,115
	ITT/MARTIN MARIETTA JV	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	5,000
	JAYCOR	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	281
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	28-
	KOR ELECTRONICS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	55
	L J F CORP	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	49
	LAKE SHORE CRYOTRONICS INC	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	122
	LITTON INDUSTRIES INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	70
	LITTON SYSTEMS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	214
		Conn	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	476
		Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	89-
	CONTRACTOR TOTAL				601
	LOCKHEED CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	87
	LORAL CORPORATION	Arizona	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	250
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	99
	CONTRACTOR TOTAL				349
	M T L SYSTEMS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	100
	M/A COM LINKABIT INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,825
	M/A-COM INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	74
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	140
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	345
	MARINCO COMPUTER PRODUCTS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	40
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	227
		Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	11,452
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	7,740
	STATE TOTAL				19,192

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
		Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 229
	CONTRACTOR TOTAL				19,648
	MASSACHUSETTS COMPUTER ASSOC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	240
	MAYFLOWER COMMUNICATION CO	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	270
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	743
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,604
		STATE TOTAL			2,347
		Missouri	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	3,434
	CONTRACTOR TOTAL				5,781
	MEMTECH TECHNOLOGY CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	204
	MERIT TECHNOLOGY INC	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	30
	MISSION RESEARCH CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	27
	MODERN TECHNOLOGIES CORP	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	91
	MOTOROLA INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	97
	NATIVE AMERICAN SERVICE ASSN	Alabama	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	215
	NORDEN SYSTEMS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	70
		Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	120
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	830
		STATE TOTAL			950
		New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	52
	CONTRACTOR TOTAL				1,072
	NORTHROP CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,020
		Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	780
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	586
		STATE TOTAL			1,366
	CONTRACTOR TOTAL				3,386
	ODYSSEY RESEARCH ASSOCIATES	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	80-

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	OPTIMETRICS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 208
	P D A ENGINEERING	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	P E SYSTEMS INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	573
	PACIFIC MONOLITHICS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	PACIFIC R & D INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	700
	PALISADES INST FOR RES SVCS	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	277
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	575
	PERKIN ELMER CORPORATION	Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,555
	PHYSICAL OPTICS CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	151
	POWER CONVERSION INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	27
	PREDICTION SYSTEMS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	104
	QUANTITATIVE INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	64
	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,038
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	395
	CONTRACTOR TOTAL				1,433
	QUESTECH INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	R & D ASSOCIATES	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	363
	RAYTHEON COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	233
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	178
		STATE TOTAL			411
		Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	141
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	4 311
		STATE TOTAL			4,452
	CONTRACTOR TOTAL				4,863
	RCA CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,165

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	RECON OPTICAL INC	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 155
	RENSSELAER POLYTECHNIC INST	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	559
	RESEARCH & DEV LABORATORIES	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,100
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	820
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	470
		STATE TOTAL			1,290
	RISBERG POWER ELECTRONICS INC	Wisconsin	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	310
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	3,117
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	257
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	4,990
		STATE TOTAL			8,364
	SAFT AMERICA INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	240
	SANDERS ASSOCIATES INC	N.H.	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	12,705
	SCI TEC INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	195
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	290
	CONTRACTOR TOTAL				485
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,027
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	155
		STATE TOTAL			1,182
		D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	60
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	385
		Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	288
	CONTRACTOR TOTAL				1,915
	SCIENTIFIC SYSTEMS INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,814
	SCOPE INCORPORATED	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	912
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	991
		STATE TOTAL			1,903

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	SIPPICAN INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 488
	SKY COMPUTERS INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	37
	SOFTECH INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	548
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	634
		Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	412
	CONTRACTOR TOTAL				1,594
	SOFTWARE PRODUCTIVITY SOLUTNS	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	93
	SOFTWARE SYSTEMS ENGINEERING	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	80
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	108
	SPARTON CORPORATION	Michigan	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	526
	SPERRY CORPORATION	Minnesota	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	536
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,105
		Utah	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,182
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	4,702
	CONTRACTOR TOTAL				8,525
	SPREAD SPECTRUM SCIENCES	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	48
	SRI INTERNATIONAL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,273
	STANFORD UNIVERTSITY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	980
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	435
	STATE TOTAL				1,415
	SUNDSTRAND DATA CONTROL INC	Washington	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	40
	SYNETICS CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	145
	SYRACUSE RESEARCH CORP	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,183
	SYSTEMS EXPLORATION INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	3,152
	SYSTEMS TECHNOLOGY INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	105
	SYSTRAN CORP	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
	T R W ELECTRONIC PRODUCTS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 168
	T S C INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	60
	TELEDYNE ENERGY SYSTEMS	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	351
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	15,977
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	2,311
		STATE TOTAL			18,288
	TRACOR INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	270
	TRACOR INSTRUMENTS AUSTIN INC	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	75
	TRACOR MBA	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	173
	TRIMBLE NAVIGATION LIMITED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	27
	TRW INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	11,424
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	8,568
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	41,729
		STATE TOTAL			61,721
		Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	638
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	1,612
	CONTRACTOR TOTAL				63,971
	UNISYS CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	287
	UNITED STATES DEPT ENERGY	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	50
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	130
		Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	401
	CONTRACTOR TOTAL				531
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	30
	UNIVERSITY OF KANSAS	Kansas	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	96
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	29
	VARIAN ASSOCIATES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	205

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC63 (CONTINUED)					
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	$ 552-
	CONTRACTOR TOTAL				347-
	VERAC INCORPORATED	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	128
	VITRO CORPORATION	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	30
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	320
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	490
			USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	20,180
		STATE TOTAL			20,670
		Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	451
	CONTRACTOR TOTAL				21,121
	WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ADV DEVELOP	118
	R&D TOTAL				499,443
AC64	A A I CORPORATION	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	903
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,986
		STATE TOTAL			4,889
	A T & T TECHNOLOGIES INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	5,138
		N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	69,441
	CONTRACTOR TOTAL				74,579
	ACOUSTICAL RESCH & APPLCTIONS	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50
	ADAPTIVE SENSORS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	207
	ADVANCED SYSTEMS DEVELOPMENT	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	293
	ADVANCED TECHNOLOGY INC	Rhode Isld	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	100
	AEL INDUSTRIES INC	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,841
	AHNTECH INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,333
	ALLIED SIGNAL AEROSPACE CO	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	492
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,119

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	STATE TOTAL				$ 4,611
	AMERICAN ELECTRONICS INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	214
	AMERICAN SYSTEMS CORPORATION	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	17,094
	AMPEX CORPORATION	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	27
	ANALYSIS & COMPUTER SYSTEMS	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,007
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	634
	STATE TOTAL				1,641
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	541
	ANALYTICAL SYSTEMS ENGRG CORP	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	808
	ANALYTICS INCORPORATED	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	519
	ANDRULIS RESEARCH CORP	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,440
	APPLICATIONS RESEARCH CORP	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	259
	AQUIDNECK MGT ASSOC LTD	Rhode Isld	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	75
	ARGOTEC INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	53
	ARINC RESEARCH CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	647
	ASTRON CORPORATION	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	219
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50
	AUTOMETRIC INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	895
	AYDIN CORPORATION	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,507
	BDM CORPORATION	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	100
		Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	299
	CONTRACTOR TOTAL				399
	BDM MANAGEMENT SERVICES CO	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,897
	BOEING COMPANY THE	Kansas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	678-
		Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	657-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
		Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 29,432
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	12,608
		STATE TOTAL			42,040
	CONTRACTOR TOTAL				40,705
	BOLT BERANEK & NEWMAN INC	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	29
		Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,457
	CONTRACTOR TOTAL				1,486
	CALSPAN CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	9,513
	CANADIAN COMMERCIAL CORPORATN	CANADA	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,000
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	5,096
		STATE TOTAL			6,096
	CANADIAN MARCONI COMPANY	CANADA	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,987
	CHELTON INC	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	498
	CINCINNATI ELECTRONICS CORP	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,420
	COLLINS INTERNATIONAL SV CO	Iowa	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,752
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	715
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	12,193
		STATE TOTAL			15,660
	COMARCO INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	10,453
	COMBUSTION ENGINEERING INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	12,094
	COMMAND CONTRL COMMUNICATIONS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,750
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	208
		New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,287
	CONTRACTOR TOTAL				3,495
	CONTEL PAGE SYSTEMS INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	29,987
	CONTROL DATA CANADA LIMITED	CANADA	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,200
	CONTROL DATA CORPORATION	Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	12,095

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	CUBIC CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 2,166
	DATRON SYSTEMS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,490
	DAYTON-GRANGER INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	416
	DBA SYSTEMS INC	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	594
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	194
		STATE TOTAL			788
	DIAGNOSTIC/RETRIEVAL SYSTEMS	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	48
	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	476
	DYNETICS INC	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,077
	E G & G GEOMETRICS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	343
	E-SYSTEMS INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	16,131
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	378-
	CONTRACTOR TOTAL				15,753
	EAGLE TECHNOLOGY INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	85
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,725
	CONTRACTOR TOTAL				1,810
	EATON CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,114
	EDO CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,983
	EIDETICS INTERNATIONAL, INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	58
	ELECTRONIC WARFARE ASSOCIATES	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	330
	EMERSON ELECTRIC CO	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,231
		Missouri	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	19,191
	CONTRACTOR TOTAL				20,422
	ENGINEERING & PROF SVCS	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	469
	ESL INCORPORATED	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	524-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	EVALUATION RESEARCH CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 228
	FAIRCHILD INDUSTRIES INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,000
	FAIRCHILD WESTON SYSTEMS INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,158
	FERRANTI COMPUTER SYSTEMS LTD	UNITED KIN	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	489
	FLAM & RUSSELL INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	233
	FORD AEROSPACE	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	906
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	58,149
		STATE TOTAL			59,055
	FRONTIER ENGINEERING INC	Oklahoma	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50
	G E C AVIONICS LTD	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	579
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	964
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	13,391
	CONTRACTOR TOTAL				14,355
	GENERAL ELECTRIC COMPANY	Alabama	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,249
		Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	969-
		New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	25,273
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	478
		STATE TOTAL			25,751
	CONTRACTOR TOTAL				27,031
	GEODYNAMICS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	151
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	75
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,972
		STATE TOTAL			5,047
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,767
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	74,912
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	257,536
		STATE TOTAL			335,215

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 1,752
	HARRIS CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,105
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,377
		STATE TOTAL			6,482
	HARRIS-MAGNAVOX SYSTEMS CO(JV)	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	10,628
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	5,122
		New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	283
	CONTRACTOR TOTAL				5,405
	HONEYWELL INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,300
		Minnesota	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	111
		Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	318
	CONTRACTOR TOTAL				1,729
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,306
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	31,635
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,039
		STATE TOTAL			40,980
	HUMBUG MOUNTAIN RESERACH LABS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	270
	HUNTER RESEARCH INC	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	47
	I L C DATA DEVICE CORP DEL	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	49
	INDUSTRIAL DATA LINK CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	287
	INTERMETRICS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,410
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	84
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	128-
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	100,629
	CONTRACTOR TOTAL				100,585
	INTERSTATE ELECTRONICS CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	17,043
	ISC INTERNATIONAL	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	876

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	ISRAEL AC IND	ISRAEL	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 4,400
	ITT CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,900
		Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	11,025
		New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,620
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	8,577
		STATE TOTAL			11,197
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	458
	CONTRACTOR TOTAL				24,580
	ITT RESEARCH INSTITUTE	Illinois	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,727
	K M S FUSION INC	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	392
	KAPOS ASSOCIATES INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	200
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	82
	LEAR SIEGLER INC	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	23,203
	LIGHTWAVE ELECTRONICS CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	225
	LITTON INDUSTRIES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	303
	LITTON SYSTEMS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	5,118
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	377-
		STATE TOTAL			4,741
		Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	200
	CONTRACTOR TOTAL				4,941
	LOCKHEED ELECTRONICS CO	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	29
	LOCKHEED MISSILES & SPACE CO	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,965
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	580
		STATE TOTAL			8,545
	LOCUS INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	313
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	242

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	CONTRACTOR TOTAL				$ 555
	LOGICON INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	572
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	741
	CONTRACTOR TOTAL				1,313
	LORAL CONIC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,610
	LORAL CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	300
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,399
	CONTRACTOR TOTAL				1,699
	LORAL ELECTRO-OPTICAL SYSTEMS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	45
	LORAL SYS CO	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,709
	LTV AEROSPACE & DEFENSE CO	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	210
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	350
	CONTRACTOR TOTAL				560
	M T L SYSTEMS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	452
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	366
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,712
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	284
		STATE TOTAL			3,996
		New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	970
	CONTRACTOR TOTAL				4,966
	MANHATTAN ELECTRIC CABLE CORP	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	34
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	14,088
		Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,801
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	10,458
		STATE TOTAL			15,259
		Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	101

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	CONTRACTOR TOTAL				$ 29,448
	MAXIM TECHNOLOGIES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	376
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	110
	MERIT TECHNOLOGY INC	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	142
	METRIC SYSTEMS CORPORATION	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	79-
	MIAMI VALLEY RESEARCH INST	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	60
	MILTOPE CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	292
	MISSION RESEARCH CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	36
	MONARCH MACHINE CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	63
	MOTOROLA INC	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	16,683
	NATION INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,916
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,269
	NEWPORT NEWS SHPBLDING DRYDOCK	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,251
	NORDEN SYSTEMS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	520
		Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	56
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	447
		STATE TOTAL			503
	CONTRACTOR TOTAL				1,023
	NORTHROP CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	105
		Illinois	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	231
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	652
		STATE TOTAL			883
	CONTRACTOR TOTAL				988
	OCEAN TECHNOLOGY INC	Rhode Isld	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	126
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	125
	OPTIC-ELECTRONIC CORP	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,900

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	OREGON STATE UNIVERSITY	Oregon	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 50
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	236
	PERKIN ELMER CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,000
		Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	143
	CONTRACTOR TOTAL				3,143
	PLANNING RESEARCH CORPORATION	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	470
	POTOMAC SYSTEMS ENGINEERING	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,535
	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	675
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	375
	CONTRACTOR TOTAL				1,050
	RAYTHEON COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	225
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	6,841
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,164
		STATE TOTAL			8,230
		Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	25,349
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	91,636
		STATE TOTAL			116,985
		Rhode Isld	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	21,033
		Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	80
	CONTRACTOR TOTAL				146,328
	RAYTHEON SERVICE COMPANY	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	5,287
	RCA CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	72
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,199
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	18,839
		STATE TOTAL			20,110
		Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	31
	CONTRACTOR TOTAL				20,141

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	REDLAKE CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 72
	REIFER CONSULTANTS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	49
	ROCKWELL INTERNATIONAL CORP	Arkansas	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	198
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	282
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50
		STATE TOTAL			332
		Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	29,194
	CONTRACTOR TOTAL				29,724
	S C S TELECOM INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	184
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	271
		Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	148
	CONTRACTOR TOTAL				419
	SANDERS ASSOCIATES INC	N.H.	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	32
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	995
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	26,691
		STATE TOTAL			27,718
	SCHLUMBERGER TECHNOLOGY CORP	Michigan	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,224
	SCHWARTZ ELECTRO-OPTICS INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	150
	SCIENCE APPLICATIONS INTL CORP	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	97
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,106
		New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	75
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,850
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	266
	CONTRACTOR TOTAL				3,394
	SCOPE INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	222
	SEDCO SYSTEMS INC	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	315
	SEMCOR INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	628

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 48
		STATE TOTAL			676
	SENSIS CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	200
	SINGER COMPANY THE	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	155
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	286
		STATE TOTAL			441
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	5,754
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	6,998
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	112,320
		STATE TOTAL			125,072
	CONTRACTOR TOTAL				125,513
	SIPPICAN INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,021
	SOFTECH INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	104
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	112
	SPARTA INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	9,018
	SPARTON CORPORATION	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,427
	SPERRY CORPORATION	Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,166
	SRI INTERNATIONAL	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	75
	STANFORD TELECOMMUNICATIONS	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	535
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	6,549
		STATE TOTAL			7,084
	STEWART ASSOCIATES INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	852
	SUMMIT TECHNOLOGIES INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,493
	SUPERIOR ENGRG & ELECTRONIC CO	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	554
	SYNERTECH ASSOCIATES, INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	27
	SYNETICS CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	735
	SYSTEM DEVELOPMENT CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	593

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

AC64 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 1,699
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	334
	CONTRACTOR TOTAL				2,626
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	196
	SYSTEMS & PROCESSES ENGRG	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	337
	SYSTEMS EXPLORATION INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,224
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	720
	T S C INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	450
	TADIRAN ELECTRONIC INDUSTRIES	ISRAEL	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	175
	TECHDYN SYSTEMS CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,152
		Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,146
	CONTRACTOR TOTAL				4,298
	TECHNICAL EVALUATION RESEARCH	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	199
	TECHNOLOGY FOR COMMNCTNS INTL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	297
	TELEDYNE INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,600
	TELEDYNE INDUSTRIES INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,944
		Utah	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	407
	CONTRACTOR TOTAL				2,351
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	250
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	9,903
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,597
		STATE TOTAL			14,750
	TEXTRON INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	3,145
		New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	2,380
	CONTRACTOR TOTAL				5,525
	THORN EMI TECHNOLOGY INC	Georgia	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	79

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC64 (CONTINUED)					
	TITAN CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	$ 1,094
	TRACOR INSTRUMENTS AUSTIN INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	127
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,600
	CONTRACTOR TOTAL				4,727
	TRACOR MBA	California	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	409-
	TRW INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,667
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	28,205
	STATE TOTAL				29,872
	U T L CORPORATION	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,628
	UNISYS CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,912
		Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	7,997
	CONTRACTOR TOTAL				9,909
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	158
	VEDA INCORPORATED	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	400
	VENTANA SCIENCES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	50
	VITRONICS INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	4,369
	WATKINS-JOHNSON COMPANY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	18,256
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	16,749
			NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	437
			USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	1,738
	STATE TOTAL				18,924
		Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	162
	CONTRACTOR TOTAL				19,086
	XEMET INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	496
	XETRON CORPORATION	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - ENGR DEV	583
R&D TOTAL					1,641,460

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65	A T & T TECHNOLOGIES INC	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	$ 500
		N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	4,766
	CONTRACTOR TOTAL				5,266
	ADVANCED DIGITAL SYSTEM INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,177
	ALLIED SIGNAL AEROSPACE CO	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	200
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,116
		STATE TOTAL			1,316
	ANALYSIS & COMPUTER SYSTEMS	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	950
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,074
		STATE TOTAL			2,024
	ANDREW ANTENNA GOVERNMENT PRO	AUSTRALIA	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	5,062
		AUSTRIA	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	532
	CONTRACTOR TOTAL				5,594
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	828
	ATLANTIC RESEARCH CORPORATION	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,664
		Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,076
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	56
	CONTRACTOR TOTAL				4,796
	BBN LABORATORIES	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	700
	BDM CORPORATION	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	50
	BOEING COMPANY THE	Washington	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	150
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	50
		STATE TOTAL			200
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	53
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	8,249
		STATE TOTAL			8,302
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	560
	CONTRACTOR TOTAL				8,862
	BOOZ ALLEN & HAMILTON INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,980

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
	BRIMROSE CORP OF AMERICA	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	$ 390
	CANADIAN COMMERCIAL CORPORATN	CANADA	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	95
	CAPE COD RESEARCH INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	42
	CARNEGIE-MELLON UNIVERSITY	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	9,895
	CINCINNATI ELECTRONICS CORP	Ohio	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,187
	COLLINS INTERNATIONAL SV CO	Iowa	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,870
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	11,442
		STATE TOTAL			13,312
	COLUMBIA UNIVERSITY	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,389
	COMPTEK RESEARCH INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	4,822
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	8,106
	CONDOR SYSTEMS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	420
	CONTROL DATA CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	178
	CUBIC COMMUNICATIONS INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	315
	CUBIC CORPORATION	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	40
	DCS CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,149
	DESIGN ENGINEERING INC	New Mexico	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	45
	DIGITAL SYSTEMS GROUP INC	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	360
	DOSS AVIATION INC	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,774
	E C CORPORATION	Kentucky	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,361
	E G & G INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	40
	E G G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	542
	E-BEAM DATA SYSTEMS INC	Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	113
	E-OIR MEASUREMENTS INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	311
	EATON CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	72

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
	ELECTRONIC DEVELOPMENT CO	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	$ 51
	EMERSON ELECTRIC CO	Missouri	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,000
	ENCORE CORPORATION	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	9,603
	ENGINEERING & ECONOMICS RES	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,034
	EVALUATION RESEARCH CORP	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	4,164
	FAIRCHILD SEMICONDUCTOR CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	209
	FALCON MICROSYSTEMS INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	61
	FIBERTEK INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	200
	FLAM & RUSSELL INC	Penn	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	259
	FORD AEROSPACE	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	201
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	9,200
		STATE TOTAL			9,401
		Colorado	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,598
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	17,637
		STATE TOTAL			21,235
		Kansas	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	9,172
	CONTRACTOR TOTAL				39,808
	FREQUENCY ELECTRONICS INC	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	401
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	10,401
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	235
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	73
		STATE TOTAL			308
		Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	15,336
	CONTRACTOR TOTAL				15,644
	GENSOFT CORPORATION	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	875
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	259

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	$ 202
		STATE TOTAL			461
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	6,950
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	935
		STATE TOTAL			7,885
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	603
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,348
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	627
		STATE TOTAL			2,578
	GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	40
		Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	40,108
	CONTRACTOR TOTAL				40,148
	H & H AEROSPACE DESIGN INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	834
	HARRIS CORPORATION	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	100
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	962
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	509-
		STATE TOTAL			553
	HODGE COMPUTER RESEARCH CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	452
	HONEYWELL INC	Minnesota	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	54
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	894
	CONTRACTOR TOTAL				948
	HRB-SINGER INC	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	246
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	321
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,372
		STATE TOTAL			3,693
		Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	204
	CONTRACTOR TOTAL				3,897
	HYDROACOUSTICS INC	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,436

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	$ 355
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	66
		STATE TOTAL			421
	I W G CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	55
	INDUSTRIAL DATA LINK CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,977
	INTERMETRICS INC	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	424
	INTERNATICNAL BUS MCHS CORP	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	343
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	8,056
		STATE TOTAL			8,399
		New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,900
		Oklahoma	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	63
		Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	35
	CONTRACTOR TOTAL				10,397
	ITT CORPORATION	Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,322
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	29
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	57,030
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	8,159
		STATE TOTAL			65,218
	CONTRACTOR TOTAL				66,540
	ITT RESEARCH INSTITUTE	Illinois	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	485
	J R S RESEARCH LABORATORIES,	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,100
	KAMAN SCIENCES CORPORATION	Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	100
	KESTREL INSTITUTE	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,124
	LAWRENCE BERKELEY LABORATORY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	661
	LITTON SYSTEMS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	24,604
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	18-
		STATE TOTAL			24,586

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
		Colorado	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	$ 173,205
	CONTRACTOR TOTAL				197,791
	LOCKHEED CORPORATION	Georgia	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	13,867
	LOCKHEED MISSILES & SPACE CO	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	344
	M/A COM LINKABIT INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	11,003
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	113
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	351
	MANTECH INTERNATIONAL CORP	Arizona	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,103
	MASSACHSTTS INST OF TCHNOLOGY	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,052
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,419
	MICROSCOPE COMPANY INC	Ohio	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	260
	MICROWAVE LABORATORIES INC	N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	268
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	551
	MOTOROLA INC	Arizona	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	73
	MYSTECH ASSOCIATES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	351
		Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	244
	CONTRACTOR TOTAL				595
	NEW JERSEY INST OF TECHNOLOGY	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	159
	P C O INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	250
	PACER SYSTEMS INC	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,321
	PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	74
	PAR TECHNOLOGY CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	550
		Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	49
	CONTRACTOR TOTAL				599
	PENNSYLVANIA STATE UNIV THE	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	37,496
	PRESEARCH INCORPORATED	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	98

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
	QUANTITATIVE INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	$ 61
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	46
	RADIAN CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	49
	RAYTHEON COMPANY	Mass	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	33,728
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	208,725
		STATE TOTAL			242,453
	RCA CORPORATION	Florida	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	58
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	59
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	349
		STATE TOTAL			408
	CONTRACTOR TOTAL				466
	RESEARCH & DEV LABORATORIES	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	163
	RESEARCH TRIANGLE INSTITUTE	N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	197
	RMS TECHNOLOGIES INCORPORATED	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	3,530
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	10,184
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	37
		STATE TOTAL			10,221
		Iowa	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	10,055
		Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,539
	CONTRACTOR TOTAL				21,815
	SANDERS ASSOCIATES INC	N.H.	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,898-
	SCI TEC INC	New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	90
	SCIENCE APPLICATIONS INTL CORP	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	38
		California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	4,495
		Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	376
	CONTRACTOR TOTAL				4,909

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC65 (CONTINUED)					
	SCIENTIFIC-ATLANTA INC	Georgia	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	$ 1,113
	SCOPE INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	341
	SEMCOR INC	New Jersey	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	92
	SENSIS CORPORATION	New York	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	270
	SINGER COMPANY THE	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	440
		Indiana	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	125
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	27-
	CONTRACTOR TOTAL				538
	SOFTECH INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	79
	SONICRAFT INC	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	13,343
	SOUTHEASTN CTR ELECTR ENG ED	Florida	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	724
	SPACE COMMUNICATION COMPANY	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,101
	SPARTON CORPORATION	Michigan	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	297
	SPECTRA PHYSICS INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	67
	SPERRY CORPORATION	Minnesota	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	13,449
		New York	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,920
	CONTRACTOR TOTAL				15,369
	SRI INTERNATIONAL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	160
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	2,508
	STATE TOTAL				2,668
	STANFORD UNIVERTSITY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	4,725
	STONEFIELD OMICRON LTD	UNITED KIN	USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	69
	SUNDSTRAND DATA CONTROL INC	Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	100
	SUPERIOR ENGRG & ELECTRONIC CO	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	256
	SYSCON CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,026
	SYSTEM RESOURCES CORPORATION	Mass	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	1,584

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AC65 (CONTINUED)						
		New Jersey	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV	$	390
	CONTRACTOR TOTAL					1,974
	T-BAR INCORPORATED	Conn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		41
	TACAN CORPORATION	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		50
	TECHDYN SYSTEMS CORPORATION	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		955
	TEKTRONIX INC	Oregon	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		39
	TELEDYNE INDUSTRIES INC	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		1,620
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		2,374
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		473
		STATE TOTAL				2,847
	TRW INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		27,100
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		15,250
			USAF	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		25,909
		STATE TOTAL				68,259
	UNISYS CORPORATION	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		256
		Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		401
			NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		2,060
		STATE TOTAL				2,461
	CONTRACTOR TOTAL					2,717
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		560
	UNIVERSITY OF SOUTHERN CALIF	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		275
	UNIVERSITY OF TEXAS SYSTEM	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		5,328
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		28
	VARIAN ASSOCIATES INC	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		189
	WASHINGTON UNIVERSITY	Missouri	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		39
	WESTINGHOUSE ELECTRIC CORP	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		243
	ZEGER-ABRAMS INCORPORATED	Penn	NAVY	RDTE/ELEC & COMMUNICATION EQ - OP SYS DEV		120

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 985,313
AC66	ABTECH CORP	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	56
	ADAPTIVE SENSORS INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	ADAPTIVE TECHNOLOGY INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	ADVANCED DECISION SYSTEMS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	250
	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	150
	AMBER ENGINEERING INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	ANAMET LABORATORIES INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	65
	ATEAM CORP	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	390
	BDM CORPORATION	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	5,598
	BITE INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	43
	C3CM TST ENGR	New Mexico	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	783
			USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	760
		STATE TOTAL			1,543
	CASE CONSULTING INCORPORATED	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	CENTRA TECHNOLOGY INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	120
	CLEVELAND CRYSTALS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	150
	CYBERCHRON CORPORATION	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	422
	DAINA	Minnesota	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	45
	DECISION SCIENCE CONSORTIUM	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	105
	E-TEK DYNAMICS INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	191
	ELECTRO MECHANICS COMPANY THE	Texas	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	45
	ELECTRO-OPTEK CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	456
	ELECTRONIC WARFARE ASSOCIATES	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	FAILURE ANALYSIS ASSOCIATES	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC66 (CONTINUED)					
	FOSTER-MILLER INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	$ 375
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	40-
	GENERAL ELECTRIC COMPANY	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	76
	HADRON INC	Virginia	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	110
	HONEYWELL INC	Maryland	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	89
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	85
	HYPRES INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	47
	I-MATH ASSOCIATES INC	Florida	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	41
	INTEGRITY SYSTEMS INC	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	161
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	123
	INTERNTNAL TCHNCAL ASSOCIATES	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	559
	ITT CORPORATION	Indiana	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	40
	J B S TECHNOLOGIES	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	58
	J R S RESEARCH LABORATORIES,	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	147
	KTECH CORPORATION	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	131
	L N R COMMUNICATIONS INC	New York	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	247
	LASER POWER CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	LIGHT FANTASTIC	Maryland	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	M/A COM LINKABIT INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	3,239
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	MAGNAVOX GOVT & INDUST ELECTR	New Jersey	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	217
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	1,050
	MARTINGALE RESEARCH CORP	Texas	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	56
	MATERIALS SCIENCE CORP	Penn	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	MILLITECH CORPORATION	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC66 (CONTINUED)					
	MYK TECHNOLOGY INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	$ 98
	NORTHROP CORPORATION	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	30
	NTS ENGINEERING	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	OPTELECOM INC	Maryland	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	ORTEL CORPORATION	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	48
	PERCEPTICS CORPORATION	Tennessee	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	230
	PHYSICAL OPTICS CORP	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	66
	Q-DOT INC	Colorado	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	482
	QUANTIC INDUSTRIES INC	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
	R E A PRECISION MACHINE CO	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	71
	SCIENCE & ENGINEERING ASSOC	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	60
	SCIENCE & TECHNOLOGY CORP	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	140
	SCIENCE APPLICATIONS INTL CORP	Alabama	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	827
	SCIENTIFIC RESEARCH ASSOC	Conn	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	122
	SIGMA RESEARCH INC	Washington	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	42
	SMART SYSTEMS TECHNOLOGY INC	Virginia	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	53
	SPECTRON DEVELOPMENT LABS	California	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	104
	SPIRE CORPORATION	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	142
	SRI INTERNATIONAL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	1,664
	SYNETICS CORPORATION	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	183
	SYSCON CORPORATION	New Mexico	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	442
	TECHNICAL RESEARCH ASSOCIATES	Utah	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	125
	TECHNOLOGY FOR COMMNCTNS INTL	California	ARMY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	53
	TEKTRONIX INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	157
	TRI TESSCO	Texas	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC66 (CONTINUED)					
	TRICOR SYSTEMS INC	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	$ 49
	TRW INC	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	7,851
	U F A INCORPORATED	Mass	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	325
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	49
	VEDA INCORPORATED	Virginia	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	206
	WIZDOM SYSTEMS INC	Illinois	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	70
	WON I J GEOPHEX LTD	N Carolina	NAVY	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	215
	XACTON	Arizona	USAF	RDTE/ELEC & COMMUNICATION EQ - MGMT & SUP	50
R&D TOTAL					31,187
AC91	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/MISC HARD GOODS - RESEARCH	60
	SCIENTIFIC MEASUREMENT SYSTEMS	Texas	NAVY	RDTE/MISC HARD GOODS - RESEARCH	693
	SPECTRA TECHNOLOGY INC	Virginia	NAVY	RDTE/MISC HARD GOODS - RESEARCH	599
	SRI INTERNATIONAL	California	USAF	RDTE/MISC HARD GOODS - RESEARCH	110
	UNIVERSITY OF TENNESSEE	Tennessee	NAVY	RDTE/MISC HARD GOODS - RESEARCH	54
	VERAC INCORPORATED	California	NAVY	RDTE/MISC HARD GOODS - RESEARCH	300
R&D TOTAL					1,816
AC92	A T & T TECHNOLOGIES INC	N Carolina	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	100-
	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	515
	AMERICAN OPTICAL CORPORATION	Mass	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	256
	BABINGTON ENGINEERING	Virginia	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	37
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	89
	COMPUTATIONAL PHYSICS INC	Virginia	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	251
	DEGINA FORDERTECHNIK	GERMANY, F	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	144
	DYNATECH CORPORATION	Mass	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	75
	FOSTER-MILLER INC	Mass	ARMY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	243

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC92 (CONTINUED)					
	GENERAL ELECTRIC COMPANY	Ohio	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	$ 2,412
	HARRIS CORPORATION	Florida	USAF	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	546
	HONEYWELL INC	Minnesota	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	155
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	510
			USAF	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	147
	STATE TOTAL				657
	MARTIN MARIETTA CORPORATION	Maryland	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	95
	NEWPORT NEWS SHPBLDING DRYDOCK	Virginia	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	42
	OPTICAL SHIELDS LIMITED	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	239
	SRI INTERNATIONAL	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	105
	STANFORD UNIVERTSITY	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	35
	UNIVERSITY OF ROCHESTER	New York	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	55
	VARIAN ASSOCIATES INC	California	NAVY	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	147
	WASHINGTON STATE UNIVERSITY	Washington	USAF	RDTE/MISC HARD GOODS - EXPLORATORY DEVELOP	35
R&D TOTAL					6,033
AC93	BOEING COMPANY THE	Alabama	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	150
	DESPATCH INDUSTRIES INC	Minnesota	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	175
	DISPLAYTECH INC	Colorado	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	42
	E G G WASH ANALYTICAL SVCS CTR	Virginia	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	3,365
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	846
	HARSCO CORPORATION	Penn	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	64
	HAZELTINE CORPORATION	New York	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	100
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	68
	INTERNATIONAL BUS MCHS CORP	New York	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	357
	LOCKHEED ENGRG & SCIENCES CO	Utah	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	3,718

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC93 (CONTINUED)					
	LORAL CORPORATION	Arizona	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	$ 440
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	335
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	145
	S S G INC	Mass	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	436
	SCIPAR INCORPORATED	New York	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	380
	SOLAR TURBINES INCORPORATED	California	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	60
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	296
	SPERRY CORPORATION	Utah	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	668
	SUNDSTRAND DATA CONTROL INC	Washington	USAF	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	395
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	151
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	53-
		Florida	NAVY	RDTE/MISC HARD GOODS - ADVANCED DEVELOP	100
	CONTRACTOR TOTAL				47
R&D TOTAL					12,238
AC94	A A I CORPORATION	Maryland	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,926
	AHNTECH INC	California	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	481
	ALAR PRODUCTS INC	Ohio	USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	72-
	AQUA CHEM ANALYSES INC	Wisconsin	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	45
	BDM CORPORATION	Virginia	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	366
	BELL HELICOPTER TEXTRON INC	Texas	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	46
	BROWN DAYTON T INC	New York	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	153
			USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	46
	STATE TOTAL				199
	BRUNSWICK CORPORATION	Florida	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	44
	DIVING UNLMITED INTERNATIONAL	California	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	80

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC94 (CONTINUED)					
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	$ 580
	E T L TESTING LABORATORIES INC	New York	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	47-
	GENERAL ELECTRIC COMPANY	Alabama	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	50,500
		Mass	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	15,743
	CONTRACTOR TOTAL				66,243
	HARSCO CORPORATION	Penn	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,741
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	105
	I L C INDUSTRIES DELAWARE	Delaware	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	2,016
			USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	2,769
		STATE TOTAL			4,785
	LUCAS INDUSTRIES INC	New Jersey	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	482
	MARITIME DYNAMICS INC	Maryland	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	249
	MARTIN-BAKER AIRCRAFT CO LTD	UNITED KIN	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	608
	MINISTRY OF DEFENSE UK	GABON	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	501
		UNITED KIN	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	4,800
	CONTRACTOR TOTAL				5,301
	MULTI-ELECTRIC MFG INC	Illinois	USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,067
	NUCLEAR METALS INC	Mass	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	2,451
	O'BRIEN, D G INC	N.H.	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	174
	OEA INC	Colorado	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	53
	POWER-REX INC	Arizona	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	41
	RED WING PRODUCTS INC	Oklahoma	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	42
	SINGER COMPANY THE	New York	NAVY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	2,856
		Texas	USAF	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,467
	CONTRACTOR TOTAL				4,323

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC94 (CONTINUED)					
	TELEDYNE INC	Alabama	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	$ 558
	TVI CORPORATION	Maryland	ARMY	RDTE/MISC HARD GOODS - ENGR DEVELOPMENT	1,141
	R&D TOTAL				93,012
AC95	AEROJET GENERAL CORPORATION	California	USAF	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	443
	AMETEK INC	California	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	36
	ANDRULIS RESEARCH CORP	Utah	ARMY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	568
	BDM CORPORATION	New Mexico	USAF	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	251
		Virginia	USAF	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	3,621
	CONTRACTOR TOTAL				3,872
	C & M TECHNOLOGY INC	Conn	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	138
	DATASONICS INC	Mass	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	26
	GENERAL INSTRUMENT CORP DEL	Maryland	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	153
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	500
	MEDVED RESEARCH & TECHNOLOGY	California	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	177
	NORECO INC	Florida	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	210
	PACIFIC TRINETICS INC	California	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	42
	RALOID CORPORATION	Maryland	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	822
	ROBOTIC VISION SYSTEMS INC	New York	NAVY	RDTE/MISC HARD GOODS - OP SYSTEMS DEVELOP	333
	R&D TOTAL				7,920
AC96	ADVANCED REFR TECHNOLOGIES	New York	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	49
	AZAK CORP	California	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	56
	COMPRHENSIVE TECHNOLOGIES INTL	Florida	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	53
	CREARE RESEARCH & DEVELOPMENT	N.H.	USAF	RDTE/MISC HARD GOODS - MGMT & SUPPORT	71
	DATATAPE INCORPORATED	California	USAF	RDTE/MISC HARD GOODS - MGMT & SUPPORT	84
	ELECTRO MAGNETIC APPLICATIONS,	Colorado	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	49
	PERFECT VIEW INC	N Carolina	USAF	RDTE/MISC HARD GOODS - MGMT & SUPPORT	400

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AC96 (CONTINUED)					
	PHYSICAL RESEARCH INC	California	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	$ 260
	RADCON	California	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	50
	RESOURCE EXPANDERS CORP	California	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	124
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	62
	TRACOR INC	Texas	NAVY	RDTE/MISC HARD GOODS - MGMT & SUPPORT	1,527
	R&D TOTAL				2,785
AD11	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/AMMUNITION - RESEARCH	1,896
	CRYSTAL GROWTH & MATERIAL	Maryland	NAVY	RDTE/AMMUNITION - RESEARCH	57
	GEO-CENTERS INC	D.C.	NAVY	RDTE/AMMUNITION - RESEARCH	1,653
		Mass	NAVY	RDTE/AMMUNITION - RESEARCH	667
	CONTRACTOR TOTAL				2,320
	INTECH INC	Florida	ARMY	RDTE/AMMUNITION - RESEARCH	28
	M P R ASSOCIATES INC	D.C.	NAVY	RDTE/AMMUNITION - RESEARCH	50
	MISSISSIPPI STATE UNIVERSITY	Miss	USAF	RDTE/AMMUNITION - RESEARCH	115
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/AMMUNITION - RESEARCH	52
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/AMMUNITION - RESEARCH	423
		Maryland	NAVY	RDTE/AMMUNITION - RESEARCH	113
	CONTRACTOR TOTAL				536
	SCIENCE APPLICATIONS INTL CORP	Virginia	USAF	RDTE/AMMUNITION - RESEARCH	75
	SUSQUEHANNA RESOURCS ENVRNMNT	New York	ARMY	RDTE/AMMUNITION - RESEARCH	293
	UNIV OF COLORADO	Colorado	NAVY	RDTE/AMMUNITION - RESEARCH	50
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	NAVY	RDTE/AMMUNITION - RESEARCH	172
	R&D TOTAL				5,644
AD12	AEROJET GENERAL CORPORATION	California	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	11,790
	AVCO CORPORATION	Mass	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	255

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD12 (CONTINUED)					
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	$ 280
	CALSPAN CORPORATION	New York	USAF	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	60
	CRITON TECHNOLOGIES	California	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	94
	EL DORADO ENGINEERING INC	Utah	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	399
	EUREKA LABORATORIES INC	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	67
	GENERAL ELECTRIC COMPANY	Vermont	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	136
	HONEYWELL INC	Minnesota	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	94
	KDI PRECISION PRODUCTS INC	Maryland	ARMY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	110
	MAXWELL LABORATORIES INC	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	644
	OLIN CORPORATION	Conn	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	182
	ORTEL CORPORATION	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	200
	ROYAL ORDNANCE AMMUNITION LTD	UNITED KIN	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	114
	SAFETY CONSULTING ENGINEERS	Illinois	USAF	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	111
	SRI INTERNATIONAL	California	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	60
	TRACER TECHNOLOGIES INC	Mass	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	395
	XMCO INC	New York	NAVY	RDTE/AMMUNITION - EXPLORATORY DEVELOPMENT	145
	R&D TOTAL				15,136
AD13	A A I CORPORATION	Maryland	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	33
	ACTION MANUFACTURING COMPANY	Penn	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	156
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	157
	AVCO CORPORATION	Mass	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	4,794
	BRUNSWICK CORPORATION	California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	4,500
		Virginia	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	700
	CONTRACTOR TOTAL				5,200
	GENERAL DEFENSE CORPORATION	Penn	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	166-

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD13 (CONTINUED)					
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	$ 11,787
		Vermont	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	2,324
	CONTRACTOR TOTAL				14,111
	HARRIS CORPORATION	Florida	NAVY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	400
	HERCULES INCORPORATED	Utah	NAVY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	105
		W Virginia	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	33,125
	CONTRACTOR TOTAL				33,230
	HI-Z TECH INC	California	USAF	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	190
	HONEYWELL INC	Minnesota	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	23,803
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	136
	ICI AMERICAS INC	Penn	NAVY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	30
	LORAL CORPORATION	Ohio	NAVY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	567
	MARQUARDT COMPANY THE	California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	4,500
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	2,837
		Maryland	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	7,266
	CONTRACTOR TOTAL				10,103
	MCDONNELL DOUGLAS ASTRONAUTICS	Florida	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	4,500
	OLIN CORPORATION	Conn	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	99
		Illinois	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	7,887
	CONTRACTOR TOTAL				7,986
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	300
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	37-
	POLYMER TECHNOLOGIES INC	New Jersey	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	73
	PROLL MOLDING CO INC	New Jersey	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	54
	ROYAL ORDNANCE AMMUNITION LTD	UNITED KIN	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	120

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD13 (CONTINUED)					
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	$ 200
	TALLEY DEFENSE SYSTEMS INC	Arizona	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	1,418
	WESTERN DESIGN CORPORATION	California	ARMY	RDTE/AMMUNITION - ADVANCED DEVELOPMENT	254
	R&D TOTAL				112,112
AD14	ABEX CORPORATION	New Jersey	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	32-
	AEROJET GENERAL CORPORATION	California	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	47,884
	BRUNSWICK CDC	Florida	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	4,600
	CHAMBERLAIN MANUFACTURING CORP	Iowa	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	3,918
	DYNAMIT NOBEL AG	GERMANY, F	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	420
	EMCO INC	Alabama	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	69
	EVEREADY BATTERY CO, INC	Vermont	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	555
	FORD AEROSPACE	California	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	333
	HERCULES INCORPORATED	Delaware	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	236
	HONEYWELL INC	Minnesota	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	56,259
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	2,333
	ISC DEFENSE SYSTEMS INC	Penn	NAVY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	500
	ISRAEL MILITARY INDUSTRIES	ISRAEL	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	47
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	37-
	LORAL HYCOR INC	Mass	USAF	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	62
	MOTOROLA INC	Arizona	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	30,247
			NAVY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	218
	STATE TOTAL				30,465
	OLIN CORPORATION	Illinois	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	180
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	50
	SUNDSTRAND CORPORATION	Illinois	NAVY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	1,070

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD14 (CONTINUED)					
	TALLEY DEFENSE SYSTEMS INC	Arizona	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	$ 530
	VALENTEC INTERNATIONAL CORP	Arizona	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	156
	WAGNER CASTINGS COMPANY	Illinois	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	32-
	WICKES COMPANIES INC	Penn	ARMY	RDTE/AMMUNITION - ENGINEERING DEVELOPMENT	299
	R&D TOTAL				149,865
AD15	A A I CORPORATION	Maryland	NAVY	RDTE/AMMUNITION - OP SYSTEMS DEVELOPMENT	295
	FFV ORDNANCE	SWEDEN	ARMY	RDTE/AMMUNITION - OP SYSTEMS DEVELOPMENT	98
	MIDWAY MACHINE PRODUCTS	New Jersey	ARMY	RDTE/AMMUNITION - OP SYSTEMS DEVELOPMENT	62
	R&D TOTAL				455
AD16	APPLIED CONCEPTS CORP	Virginia	ARMY	RDTE/AMMUNITION - MGMT & SUPPORT	558
	DYNA EAST CORPORATION	Penn	USAF	RDTE/AMMUNITION - MGMT & SUPPORT	1,004
	GENERAL DEFENSE CORPORATION	Penn	ARMY	RDTE/AMMUNITION - MGMT & SUPPORT	255
	GEO-CENTERS INC	Mass	ARMY	RDTE/AMMUNITION - MGMT & SUPPORT	337
	MTA INC	Alabama	ARMY	RDTE/AMMUNITION - MGMT & SUPPORT	618
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/AMMUNITION - MGMT & SUPPORT	169
	R&D TOTAL				2,941
AD21	ADVANCE COMPUTER SYSTEMS	Virginia	NAVY	RDTE/SERVICES - RESEARCH	62
	ANDROMEDA CORP	Alabama	ARMY	RDTE/SERVICES - RESEARCH	50
	ARMAMENT SYSTEMS INC	California	NAVY	RDTE/SERVICES - RESEARCH	1,413
	BBN COMMUNICATIONS CORP	Mass	ARMY	RDTE/SERVICES - RESEARCH	41
	BDM CORPORATION	Virginia	ARMY	RDTE/SERVICES - RESEARCH	155
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/SERVICES - RESEARCH	13,351
			NAVY	RDTE/SERVICES - RESEARCH	66
	STATE TOTAL				13,417
	CATERPILLAR INC	Illinois	ARMY	RDTE/SERVICES - RESEARCH	200

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD21 (CONTINUED)					
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	ARMY	RDTE/SERVICES - RESEARCH	$ 31
	DCS CORPORATION	Virginia	NAVY	RDTE/SERVICES - RESEARCH	49
	DEERE & COMPANY	Illinois	ARMY	RDTE/SERVICES - RESEARCH	334
	DESIGNERS & PLANNERS INC	Virginia	NAVY	RDTE/SERVICES - RESEARCH	44
	ELECTRONIC WARFARE ASSOCIATES	Virginia	ARMY	RDTE/SERVICES - RESEARCH	5,328
	ENGINRING COMPUTER OPTECNOMICS	Maryland	NAVY	RDTE/SERVICES - RESEARCH	184
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - RESEARCH	40
	GENERAL SCIENCES INC	Penn	ARMY	RDTE/SERVICES - RESEARCH	120
	GEO-CENTERS INC	Mass	ARMY	RDTE/SERVICES - RESEARCH	63
		New Jersey	ARMY	RDTE/SERVICES - RESEARCH	1,974
	CONTRACTOR TOTAL				2,037
	GTE PRODUCTS CORP DEL CORP	Penn	ARMY	RDTE/SERVICES - RESEARCH	849
	HARRIS CORPORATION	Florida	ARMY	RDTE/SERVICES - RESEARCH	39
	HOKENSON COMPANY	California	NAVY	RDTE/SERVICES - RESEARCH	48
	HUMBUG MOUNTAIN RESERACH LABS	California	NAVY	RDTE/SERVICES - RESEARCH	50
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/SERVICES - RESEARCH	1,551
	KAPLAN LAWRENCE S	Ohio	ARMY	RDTE/SERVICES - RESEARCH	33
	KONIGSBERG INSTRUMENTS INC	California	NAVY	RDTE/SERVICES - RESEARCH	50
	LEADING SYSTEMS, INC	California	ARMY	RDTE/SERVICES - RESEARCH	2,705
	LERON ASSOCIATES	New Jersey	ARMY	RDTE/SERVICES - RESEARCH	61
	LTV AEROSPACE & DEFENSE CO	Texas	NAVY	RDTE/SERVICES - RESEARCH	272
	MAC AULAY-BROWN INC	Ohio	NAVY	RDTE/SERVICES - RESEARCH	150
			USAF	RDTE/SERVICES - RESEARCH	342
	STATE TOTAL				492
	MATERIALS SCIENCE CORP	Penn	ARMY	RDTE/SERVICES - RESEARCH	652

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD21 (CONTINUED)					
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/SERVICES - RESEARCH	$ 331
	QUANTUM DESIGN INC	California	NAVY	RDTE/SERVICES - RESEARCH	50
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/SERVICES - RESEARCH	50
	SABBAGH ASSOCIATES INC	Indiana	ARMY	RDTE/SERVICES - RESEARCH	75
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/SERVICES - RESEARCH	2,160
		California	ARMY	RDTE/SERVICES - RESEARCH	5,766
		Hawaii	NAVY	RDTE/SERVICES - RESEARCH	33
	CONTRACTOR TOTAL				7,959
	SCIENCE HORIZONS INC	California	ARMY	RDTE/SERVICES - RESEARCH	400
	SPECIAL ILLUMINATION SYSTEMS,	Ohio	USAF	RDTE/SERVICES - RESEARCH	347
	STANFORD UNIVERTSITY	California	ARMY	RDTE/SERVICES - RESEARCH	262
	SYSTEMS RES APPLICATIONS CORP	Virginia	ARMY	RDTE/SERVICES - RESEARCH	600
	ULTRASYSTEMS INCORPORATED	Arizona	ARMY	RDTE/SERVICES - RESEARCH	525
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/SERVICES - RESEARCH	103
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/SERVICES - RESEARCH	75
			NAVY	RDTE/SERVICES - RESEARCH	65
	STATE TOTAL				140
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/SERVICES - RESEARCH	50
R&D TOTAL					41,199
AD22	ALLEN CORPORATION OF AMERICA	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	395
	ALLIED SIGNAL AEROSPACE CO	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	960
	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	339
	AMAF INDUSTRIES INC	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	161
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	94
	ANALYTIC SCIENCES CORP	Ohio	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	37

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD22 (CONTINUED)					
	ANALYTICS INCORPORATED	Penn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	$ 392
	APPLIED RESEARCH ASSOC INC	Colorado	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	81
	AVCO CORPORATION	Mass	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	190
	B-K DYNAMICS INC	D.C.	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	546
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	200
	BOEING COMPANY THE	Kansas	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	80
		Washington	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	30
	CONTRACTOR TOTAL				110
	CAMPBELL-KRONAUER ASSOCIATES	Mass	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	80
	CHI SYSTEMS INC	Penn	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	33
	COLSA INC	Alabama	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	223
	COMPU-CAD INC	Mass	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	66
	COMPUTER SCIENCES CORPORATION	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	75
	CORNELL UNIVERSITY	New York	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	166
	DAEDALUS ENTERPRISES INC	Michigan	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	160
	DECISION SCIENCE CONSORTIUM	Virginia	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	377
	DYNETICS INC	Alabama	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	458
	EAGLE TECHNOLOGY INC	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	104
	ENGINEERING & ECONOMICS RES	Alabama	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	1,753
	ENGINEERING & PROF SVCS	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	86
	EPL ANALYSIS	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	93
	EVALUATION ASSOCIATES	Penn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	34
	FAIREY HYDRAULICS LTD	UNITED KIN	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	73
	FMC CORPORATION	Minnesota	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	61
			NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	203

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(AMOUNTS IN THOUSANDS)

AD22 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	STATE TOTAL				$ 264
	GENERAL PHYSICS CORPORATION	Florida	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	225
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	86
	GOUGH PAUL ASSOCIATES INC	N.H.	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	40
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	249
	HONEYWELL INC	Minnesota	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	26
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	36
	I-NET INC	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	2,124
	INTEGRATED SYSTEMS ANALYSTS	Conn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	39
	INTERMETRICS INC	Penn	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	94
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	126
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	58
	KETRON INC	Virginia	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	50
	KRUG INTERNATIONAL CORPORATION	Ohio	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	61
	LITTLE ARTHUR D INC	Florida	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	244
		Mass	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	508
	CONTRACTOR TOTAL				752
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	53
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	81,746
		Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	602
	CONTRACTOR TOTAL				82,348
	MAYO FOUNDATION	Minnesota	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	134
	MISSION RESEARCH CORPORATION	New Mexico	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	1,929
	MYSTECH ASSOCIATES INC	Conn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	45
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	465

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD22 (CONTINUED)					
	NORTHEASTERN UNIVERSITY CORP	Mass	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	$ 26
	NORTHROP CORPORATION	Mass	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	282
	ORINCON CORPORATION	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	682
	PACER SYSTEMS INC	Penn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	65
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	300
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	772
	QUESTECH INC	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	1,134
	RAMCOR INC	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	189
	RAYTHEON COMPANY	Rhode Isld	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	87
	SCIENCE APPLICATIONS INTL CORP	Hawaii	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	2,527
	SOFTWARE SYSTEMS ENGINEERING	California	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	100
	SONALYSTS INC	Conn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	111
	SPECTRON DEVELOPMENT LABS	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	31
	SUNDSTRAND CORPORATION	Illinois	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	185
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	400
	SYSTEMS EXPLORATION INC	California	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	402
	T S C INC	Virginia	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	146
	TECHNICAL & MGT SVCS CORP	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	389
	TECHNICAL SERVICES GROUP	Ohio	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	338
	TRACOR MBA	California	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	54
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	371
	UNIVERSITY OF MAINE SYSTEM	Maine	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	89
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	105
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	37
	VITRONICS INC	New Jersey	ARMY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	4,399

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD22 (CONTINUED)					
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	$ 50
		Penn	NAVY	RDTE/SERVICES - EXPLORATORY DEVELOPMENT	284
	CONTRACTOR TOTAL				334
	R&D TOTAL				110,045
AD23	AEROJET GENERAL CORPORATION	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,941
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,295
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	81
		Ohio	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	2,632
	CONTRACTOR TOTAL				2,713
	ANALYTICS INCORPORATED	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	460
	APPLIED MEASUREMENT SYSTEMS	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	276
	ARGOSYSTEMS INC	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,291
	ARL INC	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	43
	ATACS CORPORATION	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	264
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	250
	ATLANTIC RESEARCH CORPORATION	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	144
	AVCO CORPORATION	Mass	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	121
	BOEING COMPANY THE	Kansas	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	720
	BOLT BERANEK & NEWMAN INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	432
	BOOZ ALLEN & HAMILTON INC	Virginia	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	629
	CAMBRIDGE COLLABORATIVE INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	347
	CATALYST RESEARCH CORPORATION	Maryland	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	299
	CHASE INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	43
	COMPUTER SCIENCES CORPORATION	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	78
	CRAFTSMEN CORP	Ohio	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	92

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD23 (CONTINUED)					
	E G G WASH ANALYTICAL SVCS CTR	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	$ 1,811
	EAGLE TECHNOLOGY INC	New Jersey	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	26
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	38
	FIBERTEK INC	Virginia	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	48
	G. T. DEVICES, INC	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	361
	GENERAL DYNAMICS CORPORATION	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	2,062
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	2,504
	GIORDANO ASSOCIATES INC	New Jersey	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	307
	GLOBAL ASSOCIATES LTD	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	59
	GOUGH PAUL ASSOCIATES INC	N.H.	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	75
	GOULD INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	58-
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	27
	HONEYWELL INC	Minnesota	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	143
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	650
	INFORMTION SYSTEMS NTWRKS CORP	Ohio	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	765
	INTEGRATED SYSTEMS ANALYSTS	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	350
		Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	111
	CONTRACTOR TOTAL				461
	INTERMETRICS INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	122
		Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,690
	CONTRACTOR TOTAL				1,812
	JORDAN APOSTAL RITTER ASSOC	Rhode Isld	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	58
	KTECH CORPORATION	New Mexico	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	49
	LORAL CORPORATION	Ohio	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	198
	MASSACHSTTS INST OF TCHNOLOGY	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	152

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD23 (CONTINUED)					
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	$ 400
	MINISTRY OF DEFENSE UK	UNITED KIN	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	200
	MODERN TECHNOLOGIES CORP	Ohio	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	28
			USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	569
		STATE TOTAL			597
	MYSTECH ASSOCIATES INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	155
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	103
	NORDEN SYSTEMS INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	123
	O'BRIEN, D G INC	N.H.	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	69
	OFFSHORE TECHNOLOGY CORP	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	25
	P D A ENGINEERING	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	73
	P R B ASSOCIATES INC	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	112
	PACER SYSTEMS INC	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	255
	PAR TECHNOLOGY CORPORATION	Colorado	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,079
	PARKER KINETIC DESIGNS INC	Texas	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	600
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,470
	PROFESSIONAL SERVICE INDUSTRS	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	49
	QUEST RESEARCH CORPORATION	Virginia	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	90
	RAIL COMPANY	Virginia	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,635
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	400
	ROME RESEARCH CORP	New York	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	196
	SAFT AMERICA INC	Maryland	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	136
	SATCON TECHNOLOGY CORPORATION	Mass	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	50
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,874
			USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	3,043
		STATE TOTAL			4,917

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD23 (CONTINUED)					
	SONALYSTS INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	$ 437
	SYSTEMS RESOURCE MANAGEMENT	Rhode Isld	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	376
	T S C INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	100
		Florida	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	59
	CONTRACTOR TOTAL				159
	TECHNICAL & MGT SVCS CORP	New Jersey	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	870
		Ohio	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	534
	CONTRACTOR TOTAL				1,404
	TELEDYNE INDUSTRIES INC	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	96
	TRACOR APPLIED SCIENCES INC	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	59
	TRACOR-HYDRONAUTICS, INC	Maryland	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	223
	TRANSISTOR SPECIALTIES INC	Mass	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	30
	TRW INC	California	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	3,627
		Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	577
	CONTRACTOR TOTAL				4,204
	UNISYS CORPORATION	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	100
	UNITED STATES DEPT ENERGY	California	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	50
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	ARMY	RDTE/SERVICES - ADVANCED DEVELOPMENT	121
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	40
	UNIVERSITY OF NEW HAVEN FOUND	Conn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	28
	VEDA INCORPORATED	Virginia	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	350
	VERAC INCORPORATED	California	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,237
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/SERVICES - ADVANCED DEVELOPMENT	40
	WALLACE & CO	N Carolina	USAF	RDTE/SERVICES - ADVANCED DEVELOPMENT	1,158
R&D TOTAL					45,832
AD24	ADVANCED TECHNOLOGY & RESEARCH	Maryland	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	104

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD24 (CONTINUED)					
		New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	$ 61
	CONTRACTOR TOTAL				165
	ALCOA DEFENSE SYSTEMS INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	496
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,440
		Florida	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,151
	CONTRACTOR TOTAL				4,591
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	81-
		Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,597
	CONTRACTOR TOTAL				1,516
	APPLIED AERODYNAMICS ASSOC	Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	32
	ARINC RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	80
	ARROWSMITH INDUSTRIES INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	951
	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	448
	AVCO CORPORATION	Conn	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,838
	BERLIN S INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	70
	BETA INDUSTRIES INC	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	435
	BOEING COMPANY THE	Alabama	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	261
	BOLT BERANEK & NEWMAN INC	Mass	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	42
	BRUNSWICK CORPORATION	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	471
	BURTEK INC	Oklahoma	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	100
	CAMBRIDGE ACOUSTICAL ASSOC	Mass	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	513
	COBRO CORPORATION	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	60
	COLUMBIA RESEARCH CORPORATION	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	60
	COMPUTER SCIENCES CORPORATION	New Jersey	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,557
		Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	379

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD24 (CONTINUED)					
	CONTRACTOR TOTAL				$ 1,936
	COMPUTER SOFTWARE ANALYSTS	California	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	857
	CRAFTSMEN CORP	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	38
	DAEDALEAN INC	Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	412
	DIVERSIFIED DATA CORPORATION	Virginia	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	502
	DONALDSON COMPANY INC	Minnesota	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	777
	DYNAMICS RESEARCH CORPORATION	Rhode Isld	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	87
	E G G WASH ANALYTICAL SVCS CTR	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	70
	EAGLE TECHNOLOGY INC	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	281
	ELECTRO RADIATION INC	New Jersey	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	590
	ESSCUBE ENGINEERING INC	New Jersey	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	60
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,633
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	40
	GIORDANO ASSOCIATES INC	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,822
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	62
	INFORMATION NETWORK SYSTEMS	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	33
	INFORMTION SYSTEMS NTWRKS CORP	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	260
	INFOTEC DEVELOPMENT INC	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,272
	INTEGRATED SYSTEMS ANALYSTS	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	981
	INTERMETRICS INC	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,614
	KETRON INC	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,339
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	735
	KOLLMORGEN CORPORATION	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	85
	LITTLE POPLES PRODUCTIVITY CTR	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	381
	LITTON SYSTEMS INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,298

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD24 (CONTINUED)					
	LOGISTICS MANAGEMENT ENGRG	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	$ 588
		Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	831
	CONTRACTOR TOTAL				1,419
	MANAGEMENT CONSULTING & RES	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	398
		Virginia	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	702
	CONTRACTOR TOTAL				1,100
	MANTECH FIELD ENGINEERING	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,018
	MAR INCORPORATED	Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,870
	MARCON INDUSTRIES INC	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	250
	MCMAHON ENGINEERING SERVICE	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	29
	MODERN TECHNOLOGIES CORP	Ohio	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	68
			USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	111-
		STATE TOTAL			43-
	MYSTECH ASSOCIATES INC	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	135
	NICHOLS RESEARCH CORPORATION	New Mexico	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	471
	OMNI ANALYSIS INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	37
		Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	140
	CONTRACTOR TOTAL				177
	ORLANDO TECHNOLOGY INC	Florida	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	175
	PACER SYSTEMS INC	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,983
	PHOENIX INTL UNLTD INC A CLSD	California	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	199
	PLANNING RESEARCH CORPORATION	Virginia	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,956
	PROFESSIONAL SERVICE INDUSTRS	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	663
	PURVIS SYSTEMS INCORPORATED	Rhode Isld	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	80
	QUEST RESEARCH CORPORATION	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	200

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD24 (CONTINUED)					
		Virginia	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	$ 461
			NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	253
		STATE TOTAL			714
	CONTRACTOR TOTAL				914
	QUESTECH INC	Virginia	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	526
	R B C INCORPORATED	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	232
	RAYTHEON COMPANY	Rhode Isld	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	680
	RCA CORPORATION	New Jersey	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	47,890
			USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	36
		STATE TOTAL			47,926
		Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	737
	CONTRACTOR TOTAL				48,663
	SC & A INC	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	94
	SCIENCE APPLICATIONS INTL CORP	Florida	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	503
	SCIENTIFIC RESEARCH ASSOC	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	49
	SEMCOR INC	New Jersey	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,138
		Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,284
	CONTRACTOR TOTAL				2,422
	SOFTECH INC	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	170
	SONALYSTS INC	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	878
	SPACE QUALIFIED SYSTEMS CORP	Florida	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	418
	STV ENGINEERS INC	Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,394
	SUPPORT SYSTEMS ASSOCIATES	New York	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	242
	SYMMETRON INC	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	307
	SYNETICS CORPORATION	Mass	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	830
	TECHNICAL & MGT SVCS CORP	Ohio	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,983

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD24 (CONTINUED)					
	TECHNOLOGY RESEARCH INTERNTL	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	$ 50
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	865
	UNIFIED INDUSTRIES INC	Virginia	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	241
	UNISYS CORPORATION	California	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	2,266
		Minnesota	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	172
		Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,173
	CONTRACTOR TOTAL				3,611
	VEDA INCORPORATED	Virginia	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	1,538
	VITRO CORPORATION	Conn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	343
		Maryland	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	343
		Penn	NAVY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	30
	CONTRACTOR TOTAL				716
	VSE CORPORATION	Florida	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	4,721
	WHITE H P LABORATORY INC	Maryland	ARMY	RDTE/SERVICES - ENGINEERING DEVELOPMENT	365
	ZEROONE SYSTEMS INC	Texas	USAF	RDTE/SERVICES - ENGINEERING DEVELOPMENT	3,053
R&D TOTAL					120,241
AD25	ADVANCE INCORPORATED	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	635
	ALPHATECH INC	Mass	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	130
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	549
	ANALYTIC SCIENCES CORP	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	841
	ANALYTICS INCORPORATED	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	377
		Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	570
	CONTRACTOR TOTAL				947
	ARINC RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	122
		Maryland	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,052

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD25 (CONTINUED)					
	CONTRACTOR TOTAL				$ 2,174
	ARMAMENT SYSTEMS INC	California	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	35
		Florida	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	92
		Maryland	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	118
	CONTRACTOR TOTAL				245
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	699
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,344
	AUTOMATED SCIENCES GROUP INC	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	85
	B P I PERSONAL MASTER	New Jersey	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	35
	BOEING COMPANY THE	Kansas	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	296
		Washington	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,380
	CONTRACTOR TOTAL				1,676
	CHICAGO BRIDGE & IRON COMPANY	Illinois	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	181
	COMPUTER SCIENCES CORPORATION	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,560
			NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,269
		STATE TOTAL			3,829
		Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	4,020
		Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	7,660
	CONTRACTOR TOTAL				15,509
	CR INDUSTRIES	Illinois	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	95
	CRITON TECHNOLOGIES	California	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,448
	DATATEC INC FORT WALTON BEACH	Florida	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	119
	DIGICOMP RESEARCH CORP	New York	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	156
	EAGLE TECHNOLOGY INC	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	241
	ELDYNE INC	Conn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	35

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD25 (CONTINUED)					
	ELECTROSPACE SYSTEMS INC	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	$ 487
	ENGINEERING & PROF SVCS	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,946
	ESSCUBE ENGINEERING INC	New Jersey	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	30
	G R D INC	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	363
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,000
	GLEASON RESEARCH ASSOCIATES	Maryland	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	41
	GLOBAL ASSOCIATES JV	RM	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	16,081
	GNOSTECH INC	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	27
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	10,168
	HONEYWELL INC	Colorado	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	218
		New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	99
	CONTRACTOR TOTAL				317
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	150
	INDUSTRIAL QUALITY INC	Maryland	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	143
	INFORMTION SYSTEMS NTWRKS CORP	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	297
	INTEGRTED MCROCOMPUTER SYSTEMS	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	659
	INTERMETRICS INC	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	485
	INTERNTIONAL COMPUTERS TELECOM	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,190
	ITT CORPORATION	Indiana	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,067
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,609
	LOCKHEED CORPORATION	California	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	60
		Georgia	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	751
	CONTRACTOR TOTAL				811
	LORAL CORPORATION	Ohio	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	140
	MANAGEMENT CONSULTING & RES	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	135

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD25 (CONTINUED)					
	MANTECH FIELD ENGINEERING	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	$ 56
	MARTIN MARIETTA CORPORATION	Florida	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	190-
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	350
	MC DONNELL DOUGLAS HELICOPTER	Illinois	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	108
	METRI WAVE INC	California	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	50
	MODERN TECHNOLOGIES CORP	Ohio	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	151
			USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	155
	STATE TOTAL				306
	N T L INC	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	406
	NEWPORT NEWS SHPBLDING DRYDOCK	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	368
	NORTHROP CORPORATION	California	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	756
	PACER SYSTEMS INC	Mass	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	117
		Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,644
	CONTRACTOR TOTAL				2,761
	PAN AM WORLD SERVICES INC	Florida	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	18,081
	PLANNING CONSULTANTS INC	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	445
	Q E D SYSTEMS INC	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	50
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	84
	QUESTECH INC	Virginia	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,919
	R J O ENTERPRISES INC	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	463
	RAIL COMPANY	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	571
	RAYTHEON SERVICE COMPANY	Maine	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	143
		Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	506
	CONTRACTOR TOTAL				649
	RCA CORPORATION	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	421

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD25 (CONTINUED)					
			NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	$ 5,706
		STATE TOTAL			6,127
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	350
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	531
	SEKERKE SOLAR SYSTEMS SOFTWARE	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	60
	SEMCOR INC	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	97
	SIMMS INDUSTRIES INC	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	840
	SINGER COMPANY THE	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	228
	SONALYSTS INC	Conn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	682
	SVERDRUP TECHNOLOGY INC	Tennessee	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	2,813
	SYSCON CORPORATION	Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	11,873
	SYSTEM DEVELOPMENT CORPORATION	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	136
	TECHDYN SYSTEMS CORPORATION	Virginia	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	512
	TECHNICAL & MGT SVCS CORP	New Jersey	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	75
		Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	571
	CONTRACTOR TOTAL				646
	TELEDYNE INC	Alabama	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	21,637
	TIME & SPACE PROCESSING INC	Virginia	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	92
	TRACOR INC	Conn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	80
		Texas	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	31
	CONTRACTOR TOTAL				111
	TRW INC	Ohio	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	9,202
	UNISYS CORPORATION	Minnesota	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	217
		New York	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	258
	CONTRACTOR TOTAL				475

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD25 (CONTINUED)					
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	$ 80
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	29
	UNIVERSITY OF PENNSYLVANIA	Conn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	49
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,133
	VEDA INCORPORATED	Penn	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	528
		Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,024
	CONTRACTOR TOTAL				1,552
	VITRO CORPORATION	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	159
		Virginia	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	1,277
	CONTRACTOR TOTAL				1,436
	WALLACE & CO	N Carolina	USAF	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	291
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/SERVICES - OP SYSTEMS DEVELOPMENT	148
R&D TOTAL					155,653
AD26	ADVANCED MICROSPHERE PRODUCTS	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	43
	ADVANCED TECHNOLOGY INC	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,071
	AMERICAN HYPERFORM CO	D.C.	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	70
	AMHERST SYSTEMS INC	New York	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	ANALYTIC DECISION INCORPORATED	Ohio	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	446
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	36-
	ANALYTICAL SYSTEMS ENGRG CORP	Mass	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	3,692
	ANALYTICS INCORPORATED	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	4,994
	ANCO ENGINEERS INC	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	63
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,068
	ATLANTA UNIVERSITY	Georgia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	374
	ATLANTIC APPLIED RESEARCH	Conn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	BDM CORPORATION	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,166

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD26 (CONTINUED)					
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	$ 100
	BOEING COMPANY THE	Penn	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	90
	C. MAX CO. INC	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	40
	CAPE COD RESEARCH INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	82
	COMMAND SYSTEMS GROUP INC	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	COMPUTATIONAL MECHANICS	Conn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	COMPUTER RESOURCE ENGRG ASSOC	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	2,218
		GERMANY, F	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	249
	CONTRACTOR TOTAL				2,467
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,303
	CONTROL DATA CORPORATION	Minnesota	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,722
	COR INC	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	570
	CORNERSTONE BUILDERS	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	32
	CREATIVE ASSOCIATES INC	D.C.	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	198
	CREATIVE OPTICS INC	Mass	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	250
	DATASONICS INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	49
	DEFENSE RESEARCH ASSOCIATES	Ohio	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	56
	DIALOG SYSTEMS INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	98
		Michigan	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	49
	CONTRACTOR TOTAL				147
	DIGITAL SIGNALS & SYSTEMS SPE	Ohio	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	DIGITAL WIZARDS INC	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	931
	DUAL & ASSOCIATES INC	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,426
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	51
	E C CORPORATION	Tennessee	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	5,285

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD26 (CONTINUED)					
	E M I TECHNOLOGIES INC	New Mexico	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	$ 78
	ECODYNAMICS RESEARCH ASSOC INC	New Mexico	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	54
	ELECTROIMPACT INC	Washington	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	56
	ELECTROSPACE SYSTEMS INC	Ohio	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	2,794
	FIBERTEK INC	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	FLOW RESEARCH INC	Washington	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	59
	FRONTIER TECHNOLOGY INC	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	894
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	128
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,500
	GLOBAL ASSOCIATES JV	RM	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	208-
	GTE GOVERNMENT SYSTEMS INC	Mass	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	5,655
	GTE PRODUCTS CORP DEL CORP	California	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	INTEGRATED SYSTEMS ANALYSTS	Conn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	573
	INTEGRATED SYSTEMS INC	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	185
	KENTRON INTERNATIONAL	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	48
	LOGISTICS MANAGEMENT ENGRG	Maryland	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	108
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	715
	MANAGEMENT CONSULTING & RES	Virginia	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	309
	MAR INCORPORATED	Florida	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	2,552
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	182
	MERDAN GROUP	Arizona	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	443
	MISSION SCIENCES CORP	New York	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	59
	N K F ENGINEERING INC	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	431
	NAVMAR INC	Penn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	105
	NEW TECHNOLOGY SERVICES INC	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	277

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD26 (CONTINUED)					
	NICHOLS RESEARCH CORPORATION	Alabama	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	$ 50
	OCEAN & ATMOSPHERIC SCIENCE	New York	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	54
	PACER SYSTEMS INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	47
	PHYSICAL SCIENCE LABRATORY	New Mexico	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	93
	QUANTICS INC	Penn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	28
	QUEST RESEARCH CORPORATION	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,729
	QUESTECH INC	Virginia	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,000
	RAYTHEON COMPANY	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,278
	RCA CORPORATION	New Jersey	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	30,627
	REMTECH INC	Conn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	RIVERSIDE RESEARCH INSTITUTE	Mass	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	1,262
	S W L INC	Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	200
	SACHSE ENGINEERING ASSOCIATES	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	180
	SCIENCE & TECHNOLOGY CORP	Maryland	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	106
	SINGER COMPANY THE	New Jersey	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	100
	SYNETICS CORPORATION	Mass	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	48
		Virginia	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	49
	CONTRACTOR TOTAL				97
	SYSTEMS CONTROL INC	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	115
	T A O GROSS INC	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	TECHNICAL & MGT SVCS CORP	New Jersey	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	66
	TECUMSEH PRODUCTS COMPANY	California	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	186
	TETRA CORPORATION	New Mexico	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	59
	TEXAS INSTRUMENTS INCORPORATED	California	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	147
	TEXCOM INC	Maryland	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	305

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD26 (CONTINUED)					
	THE EC CORP	Tennessee	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	$
	TOYON RESEARCH CORP	California	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	220
	TRACOR INC	Maryland	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	174
		Texas	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	55-
			NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	708
	STATE TOTAL				653
	CONTRACTOR TOTAL				827
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/SERVICES - MANAGEMENT & SUPPORT	99
	UNIVERSITY FACULTY ASSOCS	Mass	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/SERVICES - MANAGEMENT & SUPPORT	50
	ZEGER-ABRAMS INCORPORATED	Penn	NAVY	RDTE/SERVICES - MANAGEMENT & SUPPORT	215
R&D TOTAL					84,387
AD32	POTOMAC RESEARCH, INCORPORATED	Virginia	ARMY	RDTE/SUBSISTENCE - EXPLORATORY DEVELOPMENT	1,090
	UNIVERSITY OF MARYLAND	Virginia	NAVY	RDTE/SUBSISTENCE - EXPLORATORY DEVELOPMENT	40
R&D TOTAL					1,130
AD33	HONEYWELL INC	Penn	USAF	RDTE/SUBSISTENCE - ADVANCED DEVELOPMENT	253
	VECTOR RESEARCH COMPANY INC	Maryland	NAVY	RDTE/SUBSISTENCE - ADVANCED DEVELOPMENT	30
R&D TOTAL					283
AD34	AXION CORPORATION	Alabama	ARMY	RDTE/SUBSISTENCE - ENGINEERING DEVELOPMENT	43
AD36	FAAC PERCEPTRONICS INC	Michigan	USAF	RDTE/SUBSISTENCE - MANAGEMENT & SUPPORT	72
	SPACE SYSTEMS ENGINEERING	Utah	USAF	RDTE/SUBSISTENCE - MANAGEMENT & SUPPORT	188
R&D TOTAL					260
AD42	ENGINE RESEARCH ASSOCIATES	Indiana	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	60
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	217
	PHYSICAL OPTICS CORP	California	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	305

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD42 (CONTINUED)					
	RADIATION MONITORING DEVICES	Mass	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	$ 95
	TENSAR STRUCTURES INC	New York	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	274
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	40
	UNIVERSITY OF TENNESSEE	Tennessee	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	131
	WINFIELD MANUFACTURING CO INC	New York	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-EXP DEV	56
	R&D TOTAL				1,178
AD43	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	171
	GEOMET INC	Maryland	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	852
	I L C INDUSTRIES DELAWARE	Delaware	USAF	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	92
	INTERNATIONAL THERMAL RESEARCH	CANADA	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	75
	MILLIMETER WAVE TECHNOLOGY	Georgia	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	58
	POLAROID CORPORATION	Mass	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ADV DEV	77
	R&D TOTAL				1,325
AD44	BOEING COMPANY THE	Washington	USAF	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	2,503
	GEOMET INC	Maryland	USAF	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	330-
	I L C INDUSTRIES DELAWARE	Delaware	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	334
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	4,436
	PARA-FLITE INC	New Jersey	ARMY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	31
	STV ENGINEERS INC	Penn	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	215
	WICKES COMPANIES INC	California	USAF	RDTE/TEXTILES, CLOTHING, EQUIPAGE-ENGR DEV	481
	R&D TOTAL				7,670
AD45	EMERSON ELECTRIC CO	Missouri	ARMY	RDTE/TEXTILES,CLOTHING,EQUIPAGE-OP SYS DEV	31
	PERCEPTRONICS INC	Michigan	NAVY	RDTE/TEXTILES,CLOTHING,EQUIPAGE-OP SYS DEV	237
	R&D TOTAL				268
AD46	COOLEY INCORPORATED	Rhode Isld	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-MGMT&SUP	49

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD46 (CONTINUED)						
	OPTAGON SYSTEMS INC	New Jersey	NAVY	RDTE/TEXTILES, CLOTHING, EQUIPAGE-MGMT&SUP	$	46
R&D TOTAL						95
AD51	ALLIED SIGNAL AEROSPACE CO	Arizona	NAVY	RDTE/FUELS AND LUBRICANTS - RESEARCH		409
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/FUELS AND LUBRICANTS - RESEARCH		80
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/FUELS AND LUBRICANTS - RESEARCH		47
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/FUELS AND LUBRICANTS - RESEARCH		121
	SUN REFINING & MKTG COMPANY	Penn	USAF	RDTE/FUELS AND LUBRICANTS - RESEARCH		137
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - RESEARCH		615
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - RESEARCH		220
R&D TOTAL						1,629
AD52	ATLANTIC RESEARCH CORPORATION	Virginia	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		100
	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		179
	BERLIN S INC	California	NAVY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		50
	COORDINATING RESEARCH COUNCIL	Georgia	ARMY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		54
	FLORIDA INST OF TECHNOLOGY	Florida	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		30
	GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		173
	GEO-CENTERS INC	D.C.	NAVY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		519
	HONEYWELL INC	Minnesota	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		169
	MARQUARDT COMPANY THE	California	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		75
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		79
	MORTON THIOKOL INC	Utah	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		211
	PHOENIX CHEMICAL LABORATORY	Illinois	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		85
	SKF INDUSTRIES INC	Penn	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		268
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		2,022
	UNITED TECHNOLOGIES CORP	California	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP		98

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD52 (CONTINUED)					
		Conn	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	$ 550
		Florida	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	402
		Ohio	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	465
	CONTRACTOR TOTAL				1,515
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	200
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	1,467
	WEDEREN ASSOC INC	Penn	NAVY	RDTE/FUELS AND LUBRICANTS - EXPLOR DEVELOP	58
	R&D TOTAL				7,254
AD53	AEROJET ORDNANCE TENNESSEE	Tennessee	ARMY	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	210
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	420
	RENSSELAER POLYTECHNIC INST	New York	USAF	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	95
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	1,207
	UNITED TECHNOLOGIES CORP	Florida	USAF	RDTE/FUELS AND LUBRICANTS - ADVANCED DEVEL	169
	R&D TOTAL				2,101
AD56	ACCEL CATALYSIS TECH	Iowa	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	140
	ADVANCED MECH TECHNOLOGY	Mass	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	51
	FLUID JET ASSOCIATES	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	50
	LUBRICATING SPC COMPANY	California	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	400
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	60
	WESTMONT INC	Ohio	USAF	RDTE/FUELS AND LUBRICANTS - MGMT & SUPPORT	41
	R&D TOTAL				742
AD61	AERODYNE RESEARCH INC	Mass	NAVY	RDTE/CONSTRUCTION - RESEARCH	49
	ALLIED SIGNAL AEROSPACE CO	D.C.	NAVY	RDTE/CONSTRUCTION - RESEARCH	450
	APPLIED RESEARCH CORPORATION	D.C.	NAVY	RDTE/CONSTRUCTION - RESEARCH	420
		Maryland	NAVY	RDTE/CONSTRUCTION - RESEARCH	522

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD61 (CONTINUED)					
	CONTRACTOR TOTAL				$ 942
	APPLIED TCHNLOGY ASSOC INC DEL	Maryland	NAVY	RDTE/CONSTRUCTION - RESEARCH	150
	E G G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/CONSTRUCTION - RESEARCH	31
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/CONSTRUCTION - RESEARCH	160
	LOUISIANA STATE UNIVERSITY	Louisiana	USAF	RDTE/CONSTRUCTION - RESEARCH	54
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/CONSTRUCTION - RESEARCH	61
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/CONSTRUCTION - RESEARCH	259
	MC DONNELL DOUGLAS INCO INC	Florida	ARMY	RDTE/CONSTRUCTION - RESEARCH	850
	SCI TEC INC	New Jersey	ARMY	RDTE/CONSTRUCTION - RESEARCH	389
	SCIENCE APPLICATIONS INTL CORP	Virginia	ARMY	RDTE/CONSTRUCTION - RESEARCH	100
	SYSCON CORPORATION	D.C.	NAVY	RDTE/CONSTRUCTION - RESEARCH	240
	TPL INC	New Mexico	ARMY	RDTE/CONSTRUCTION - RESEARCH	49
	WEIDLINGER ASSOCIATES INC	New York	ARMY	RDTE/CONSTRUCTION - RESEARCH	27
	YALE UNIVERSITY	Conn	ARMY	RDTE/CONSTRUCTION - RESEARCH	75
	R&D TOTAL				3,886
AD62	APPLIED LOGIC SYSTEMS INC	New York	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	252
	CANADIAN COMMERCIAL CORPORATN	CANADA	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	80
	CONCEPTS EII INC	Vermont	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	61
	ENGINEERING INCORPORATED	Virginia	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	25
	G R ASSOCIATES INC	Maryland	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	107
	GEO-CENTERS INC	Mass	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	525
	GREEN MOUNTAIN RADIO RES CO	Vermont	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	207
	HANNIGAN CONSTRUCTION CO	Virginia	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	50
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	150
	INTERNATIONAL BUS MCHS CORP	New York	USAF	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	243

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD62 (CONTINUED)					
	MIDWEST RESEARCH INSTITUTE	Missouri	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	$ 79
	OPOCOA INC	California	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	50
	PACIFIC SIERRA RESEARCH CORP	N Carolina	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	75
	PHOTONICS SYSTESM, INC	Florida	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	64
	QUEST RESEARCH CORPORATION	Virginia	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	150
	RESOURCE INTERNATIONAL INC	Ohio	USAF	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	80
	SACHS FREEMAN ASSOCIATES	Maryland	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	60
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	82
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	133
		Virginia	NAVY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	968
	CONTRACTOR TOTAL				1,101
	VARIAN ASSOCIATES INC	Mass	ARMY	RDTE/CONSTRUCTION - EXPLORATORY DEVELOP	42
	R&D TOTAL				3,483
AD63	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	1,600
	ALLIED SIGNAL INC	New Jersey	ARMY	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	60
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	413
	BRUNSWICK CORPORATION	Virginia	ARMY	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	133
	GENERAL DYNAMICS CORPORATION	Texas	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	144
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	46,414
		Florida	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	184
	CONTRACTOR TOTAL				46,598
	RESEARCH & DEV LABORATORIES	California	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	672
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	100
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/CONSTRUCTION - ADVANCED DEVELOPMENT	300
	R&D TOTAL				50,020

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD64	ALLIED DEFENSE INDUSTRIES INC	Virginia	NAVY	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	$ 31
	C P INDUSTRIES, INC	Penn	NAVY	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	50
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	386
	SOUTHWEST RESEARCH INSTITUTE	California	NAVY	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	62
	VACCO INDUSTRIES	California	NAVY	RDTE/CONSTRUCTION - ENGINEERING DEVELOP	27
	R&D TOTAL				556
AD65	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/CONSTRUCTION - OPER SYSTEMS DEVELOP	48
	PACIFIC SIERRA RESEARCH CORP	New Mexico	ARMY	RDTE/CONSTRUCTION - OPER SYSTEMS DEVELOP	749
	THERMO ELECTRON CORPORATION	Mass	ARMY	RDTE/CONSTRUCTION - OPER SYSTEMS DEVELOP	46
	UNISYS CORPORATION	Virginia	NAVY	RDTE/CONSTRUCTION - OPER SYSTEMS DEVELOP	280
	R&D TOTAL				1,123
AD66	LOCUS INC	Penn	NAVY	RDTE/CONSTRUCTION - MANAGEMENT & SUPPORT	49
AD91	A C A INDUSTRIES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	A J DEVANEY ASSOC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	A P A OPTICS INC	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	A T & T TECHNOLOGIES INC	N Carolina	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,520
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	450
		STATE TOTAL			1,970
	ABT ASSOCIATES INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	26
	ACUREX CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	ADAPTIVE COMPUTER TECHNOLOGY	Texas	USAF	RDTE/OTHER DEFENSE - RESEARCH	45
	ADVANCED AEROMECHANISMS CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	85
	ADVANCED DECISION SYSTEMS	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	224
			USAF	RDTE/OTHER DEFENSE - RESEARCH	150
		STATE TOTAL			374
	ADVANCED FUEL RESEARCH INC	Conn	ARMY	RDTE/OTHER DEFENSE - RESEARCH	66
	ADVANCED TECH MATERIALS INC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59
	ADVANCED TECHNOLOGY INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,212

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	AERODYNE RESEARCH INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 33
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - RESEARCH	87
	AEROJET SOLID PROPULSION CO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	425
	AL EINSTEIN COL MED YESH UNIV	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	ALABAMA CRYOGENIC ENGINEERING	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH	270
	ALLEN CORPORATION OF AMERICA	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	577
	ALLIED SIGNAL AEROSPACE CO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	774
		Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	13,064
	CONTRACTOR TOTAL				13,838
	ALLIED SIGNAL INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	155
	ALPHATECH INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	359
	AMERICAN FOUNDATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	193
	AMERICAN INST BIOLOGCL SCIENCE	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	94
	AMERICAN MAGNETICS INC	Tennessee	NAVY	RDTE/OTHER DEFENSE - RESEARCH	228
	AMERICAN RED CROSS	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	74
	AMERICAN SOC FOR ENGRG EDUCTN	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,842
	AMOCO TECHNOLOGY CO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	95
	ANALYSIS & SIMULATION INC	New York	ARMY	RDTE/OTHER DEFENSE - RESEARCH	59
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	485
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,270
	CONTRACTOR TOTAL				2,755
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/OTHER DEFENSE - RESEARCH	90
	ANALYTICAL METHODS INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	81
	ANALYTYX ELECTRONIC SYSTEMS	N.H.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	ANAMET LABORATORIES INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	52

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	APPLICATIONS RESEARCH CORP	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	$ 110
	APPLIED PHYSICS TECHNOLOGY	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	APPLIED RESEARCH CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	54
	APPLIED TECHNOLOGIES INC	Colorado	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
	APTEC COMPUTER SYSTEMS INC	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	38
	AQUANAUTICS CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,200
	ARCTIC ANALYSTS INC	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	ARDAK CORPORATION	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	875
	ARETE ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,018
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	CONTRACTOR TOTAL				1,268
	ARGOTEC INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
	ARIZONA STATE UNIVERSITY	Arizona	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,366
	ARTEC ASSOCIATES INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	38
	ARTECH CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
	ASSOC UNIV RESEARCH ASTRONOMY	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	6,332
	ASTRONAUTICS CORP AMERICA	Wisconsin	USAF	RDTE/OTHER DEFENSE - RESEARCH	96
	ATLANTA UNIVERSITY	Georgia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	350
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	549
		Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	72
	CONTRACTOR TOTAL				621
	AUBURN UNIVERSITY	Alabama	USAF	RDTE/OTHER DEFENSE - RESEARCH	70
	AUSTIN RESEARCH ASSOCIATES	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	125
	AVCO RESEARCH LABORATORY INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	410

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	AVTEC SYSTEMS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 75
	B-K DYNAMICS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	473
	BALL CORPORATION	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	487
	BAND LAVIS & ASSOCIATES INC	Maryland	ARMY	RDTE/OTHER DEFENSE - RESEARCH	250
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER DEFENSE - RESEARCH	60
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
			USAF	RDTE/OTHER DEFENSE - RESEARCH	100
		STATE TOTAL			410
	BATTERY ENGINEERING (INC)	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	56
	BDM CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	99
		New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	171
		Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	350
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,283
		STATE TOTAL			1,633
		Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	360
	CONTRACTOR TOTAL				2,263
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	450
	BETA POWER INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	282
	BIGELOW LAB FOR OCEAN SCNCES	Maine	NAVY	RDTE/OTHER DEFENSE - RESEARCH	341
	BIO METRIC SYSTEMS INC	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	468
	BIOMAGNETIC TECHNOLOGIES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	364
	BIOSPHERICAL INSTRUMENTS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	278
	BLOOD CTR OF STHEASTERN WI INC	Wisconsin	NAVY	RDTE/OTHER DEFENSE - RESEARCH	246
	BOEING COMPANY THE	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	380
			USAF	RDTE/OTHER DEFENSE - RESEARCH	4,109
		STATE TOTAL			4,489
	BOEING ELECTRONICS CO	Washington	ARMY	RDTE/OTHER DEFENSE - RESEARCH	112

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	BOFORS A B	SWEDEN	ARMY	RDTE/OTHER DEFENSE - RESEARCH	$ 4,588
	BOLT BERANEK & NEWMAN INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	718
		Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	8,211
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,083
		STATE TOTAL			12,294
	CONTRACTOR TOTAL				13,012
	BOOZ ALLEN & HAMILTON INC	Virginia	USAF	RDTE/OTHER DEFENSE - RESEARCH	147
	BOSTON COLLEGE	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	47
	BOSTON UNIVERSITY TRUSTEES OF	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	560
	BOWLING GREEN STATE UNVERSITY	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	BRIGHAM YOUNG UNIVERSITY	Utah	NAVY	RDTE/OTHER DEFENSE - RESEARCH	158
	BROWN UNIV PRV ST RI PLAN	Rhode Isld	NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,475
	BRUBAKER INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	43
	BRUNSWICK CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	43
	C & M TECHNOLOGY INC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	35
	CALIFORNIA INST OF TECHNOLOGY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	6,251
	CALIFORNIA RES & TECHNOLOGY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	246
	CALIFORNIA STATE UNIV - CHICO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	244
	CALSPAN CORPORATION	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	219
			USAF	RDTE/OTHER DEFENSE - RESEARCH	325
		STATE TOTAL			544
	CAMBRIDGE HYDRO-DYNAMICS INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	175
	CAMPBELL ENGINEERING INC	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	4,511
	CANADIAN COMMERCIAL CORPORATN	CANADA	USAF	RDTE/OTHER DEFENSE - RESEARCH	120
	CARNEGIE GROUP INC	Penn	ARMY	RDTE/OTHER DEFENSE - RESEARCH	252
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/OTHER DEFENSE - RESEARCH	2,121

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 4,212
			USAF	RDTE/OTHER DEFENSE - RESEARCH	1,328
		STATE TOTAL			7,661
	CASE WESTERN RESERVE UNIV	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,208
			USAF	RDTE/OTHER DEFENSE - RESEARCH	272
		STATE TOTAL			2,480
	CASTLE TECHNOLOGY CORP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	331
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	498
	CERAMATEC INC	Utah	NAVY	RDTE/OTHER DEFENSE - RESEARCH	618
	CERAMICS PROCESS SYSTEMS CORP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,356
	CHASE INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	71
	CHI SYSTEMS INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	117
	CHIA SHUN YIH	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	30
	CHRONOS RSCH LABS INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
	CITY UNIV OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	45
	CITY UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	619
	CLARKSON UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	61
	CLEMSON UNIVERSITY	S Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	645
	COLLEGE OF WILLIAM/MARY VA	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	71
	COLORADO SCHOOL OF MINES	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	644
	COLORADO STATE UNIVERSITY	Colorado	ARMY	RDTE/OTHER DEFENSE - RESEARCH	30
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,369
		STATE TOTAL			1,399
	COLSA INC	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	750
	COLUMBIA RESEARCH CORPORATION	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	191
	COLUMBIA UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,628
	COMPUTATIONAL LOGIC INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	COMPUTATIONAL MECHANICS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 116
	COMPUTER DATA SYSTEMS INC	Maryland	ARMY	RDTE/OTHER DEFENSE - RESEARCH	593
	COMPUTER SCIENCES CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	2,658
	CONSULTANTS CHOICE INC	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	105
	CORNELL UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,948
	STATE TOTAL				4,998
	COVALENT ASSOC INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	57
	CREE RESEARCH INC	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	95
	CRYSTAL RESEARCH	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	47
	CRYSTALLUME	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	CYBER OPTICS CORPORATION	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	122
	DARTMOUTH COLLEGE	N.H.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,154
	DAUBIN SYSTEMS CORPORATION	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
	DAVIDSON COLLEGE INC	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	30
	DBA SYSTEMS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	418
		Florida	ARMY	RDTE/OTHER DEFENSE - RESEARCH	79
	CONTRACTOR TOTAL				497
	DEACON RESEARCH	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	666
	DECISION SCIENCE CONSORTIUM	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	44
	DECISION-SCIENCE APPLICATIONS	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	227
	DEEP OCEAN TECNHOLOGIES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	70
	DEFENSE SYSTEMS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,699
	DELTA DATA SYSTEMS CORPORATION	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	DESMATICS INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75

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(AMOUNTS IN THOUSANDS)

AD91 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	DIAMOND MATERIALS INSTITUTE	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 152
	DIGITAL SIGNAL CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	270
	DISPLAYTECH INC	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	DISTRICT COLUMBIA GOVERNMENT	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	63
	DOW CHEMICAL COMPANY THE	Michigan	USAF	RDTE/OTHER DEFENSE - RESEARCH	47
	DR HERMAN MEDWIN	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	140
	DRAPER CHARLES STARK LAB INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	35
	DREXEL UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,162
	DUCOTE ENGINEERING ASSOC INC	Louisiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	DUKE UNIVERSITY	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,183
	DUQUESNE UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	DYNA EAST CORPORATION	Penn	USAF	RDTE/OTHER DEFENSE - RESEARCH	201
	DYNALYSIS OF PRINCETON	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	38
	DYNAMET TECHNOLOGY INC	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	93
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	521
	DYNETICS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	198
	E G G WASH ANALYTICAL SVCS CTR	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	E I C LABORATORY INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	901
	E P L ANALYSIS	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	370
	EAGLE RESEARCH GROUP, INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	486
	EASTMAN KODAK COMPANY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	763
	EDUCATIONAL TESTING SERVICE	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	139
	EG&G MASON	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	108
	EIKONIX CORPORATION	Mass	USAF	RDTE/OTHER DEFENSE - RESEARCH	90
	ELECTRO-OPTEK CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	63

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	ELECTROSPACE SYSTEMS INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 30
	EMORY UNIVERSITY	Georgia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	337
	ENERGY COMPRESSION RESEARCH	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	52
	ENGINEERING RESEARCH ASSOC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	416
	ENGINEERING TECHNOLOGIES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	343
	ENVIRON RSCH INST OF MICHIGAN	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,674
			USAF	RDTE/OTHER DEFENSE - RESEARCH	236
		STATE TOTAL			2,910
	ENVIRONMENTAL AIR CONTROL INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	65
	ESL INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	969
	ESSEX CORPORATION	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	625
	EVANS CHARLES & ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	129
	EVEREADY BATTERY CO, INC	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	148
	EXC[illegible] TECHNOLOGY INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	FAGIN SAMUEL L ASSOC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	29
	FEDERAL AMRCN ASSN ADMIN BLOGY	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	90
	FIBER MATERIALS INC	Maine	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	FIBERTEK INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	FINKELSTEIN ASSOCIATES INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	40
	FLORIDA ATLANTIC UNIVERSITY	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	FLORIDA STATE UNIV NOT INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	FLOUROCHEM INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	366
	FLOW INDUSTRIES INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	102
	FMC CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	253
	FOSTER-MILLER INC	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	393

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 211
		STATE TOTAL			604
	FRIED D L ASSOCIATES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	241
	FUJITA T THEODORE	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	G T E LABORATORIES INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	61
			USAF	RDTE/OTHER DEFENSE - RESEARCH	49
		STATE TOTAL			110
	GA TECHNOLOGIES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	939
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	344
		Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	483
		Texas	ARMY	RDTE/OTHER DEFENSE - RESEARCH	44-
	CONTRACTOR TOTAL				783
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	969
			USAF	RDTE/OTHER DEFENSE - RESEARCH	50
		STATE TOTAL			1,019
		Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	321
	CONTRACTOR TOTAL				1,340
	GENERAL HOSPITAL CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	112
	GENERAL MOTORS CORPORATION	Indiana	USAF	RDTE/OTHER DEFENSE - RESEARCH	166
	GENERAL SCIENCES INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	55
	GENEX CORP	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	90
	GEO-CENTERS INC	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	83
		Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	350
	CONTRACTOR TOTAL				433
	GEORGE MASON UNIVERSITY	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	468
	GEORGE WASHINGTON UNIV THE	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	8,209

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	GEORGETOWN UNIVERSITY	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 221
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,046
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,437
			USAF	RDTE/OTHER DEFENSE - RESEARCH	425
		STATE TOTAL			3,908
	GEORGIA STATE OF	Georgia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	255
	GINER INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	GLADIEUX CORPORATION	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	323
	GOVERNMENT TECHNOLOGY SERVICES	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	44
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	47
	HAHNEMANN UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	160
	HAMATSU PHOTONICS SYSTEMS CORP	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	HAMPTON UNIVERSITY	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	72
	HARRIS CORPORATION	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	666
	HARVARD COLLEGE	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,970
	HAZELTINE CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	44
	HELICON FOUNDATION THE	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	181
	HIGH TECH SENSORS INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	HILL ROBERT D DR	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	45
	HOLOMETRIX INC	Mass	USAF	RDTE/OTHER DEFENSE - RESEARCH	40
	HONEYWELL INC	Minnesota	ARMY	RDTE/OTHER DEFENSE - RESEARCH	100
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,495
			USAF	RDTE/OTHER DEFENSE - RESEARCH	97
		STATE TOTAL			1,692
	HORRIGAN ANALYTICS	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	391
	HOWARD UNIVERSITY	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	106
	HRB-SINGER INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	147

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD91 (CONTINUED)						
	HUDSON INSTITUTE INC	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$	2,614
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		2,532
			USAF	RDTE/OTHER DEFENSE - RESEARCH		2,198
		STATE TOTAL				4,730
	HUGHES ASSOCIATES INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH		1,299
	HUMAN RSRCES RES ORGANIZATION	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH		93
	HUMRRO INTERNATIONAL INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		420
	HURD HARRY L ASSOCIATES INC	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH		150
	HYPRES INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH		524
	I A P RESEARCH INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH		45
	I T T EDUCATIONAL SERVICES	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH		151
	IAP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		50
	ICE CASTING INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH		39
	INDIANA STATE UNIVERSITY	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH		26
	INDIANA UNIVERSITY FOUNDATION	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH		225
	INERTIA SWITCH INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH		166
	INFORMATION SPECTRUM INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH		79
	INFORMATION SYSTEMS LABS	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH		75
	INFORMATION VENTURES INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		185
	INFOSOFT DESIGN ASSOC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		57
	INSTITUTE FOR SCIENTIFIC INFO	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH		135
	INTEGRATED SYSTEMS ANALYSTS	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		498
	INTERFEROMETRICS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH		100
	INTERMETRICS INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH		339
	INTERNATIONAL BUS MCHS CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH		514

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
		Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 143
			USAF	RDTE/OTHER DEFENSE - RESEARCH	4,154
		STATE TOTAL			4,297
		New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,403
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	35
	CONTRACTOR TOTAL				6,249
	INTERNATIONAL FUEL CELLS CORP	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	381
	IONIC ATLANTA INCORPORATED	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	77
	IOWA STATE UNIV SCNC	Iowa	NAVY	RDTE/OTHER DEFENSE - RESEARCH	214
			USAF	RDTE/OTHER DEFENSE - RESEARCH	89
		STATE TOTAL			303
	IRVINE SENSORS CORPORATION	California	USAF	RDTE/OTHER DEFENSE - RESEARCH	51
	ITE INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	
	ITT CORPORATION	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	80
		New Jersey	USAF	RDTE/OTHER DEFENSE - RESEARCH	565
		Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,056
	CONTRACTOR TOTAL				1,701
	JACKSON LABORATORY, THE	Maine	NAVY	RDTE/OTHER DEFENSE - RESEARCH	114
	JACKSON STATE UNIVERSITY	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	48
	JAMAR TECH INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	JAMIESON SCIENCE & ENGINEERING	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	56
	JAYCOR	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	138
	JOHNS HOPKINS UNIVERSITY	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,604
	KANSAS STATE UNIV	Kansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	KANSAS STATE UNIVERSITY	Kansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	208
	KAPOS ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	40

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

AD91 (CONTINUED)

R&D CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
KENT STATE UNIVERSITY	Ohio	ARMY	RDTE/OTHER DEFENSE - RESEARCH	$ 300
KESTREL INSTITUTE	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	138
KETRON INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	242
KRAUS ERIC B	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59
L. N. K. CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	149
LA JOLLA INSTITUTE	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	708
LANXIDE CORP	Delaware	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,700
LASER POWER CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
LASERGENICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	80
LECTRO MECHANICAL DESIGN	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
LEHIGH UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,145
LIBRARY OF CONGRESS	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	36
LITTON INDUSTRIES INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	242
LITTON SYSTEMS INC	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	667
	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	157
CONTRACTOR TOTAL				824
LOCKHEED CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	109
LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,882
LOCUS INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	997
	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	234
CONTRACTOR TOTAL				1,231
LONG ISLAND UNIVERSITY INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	53
LOUISIANA STATE UNIVERSITY	Louisiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	849
		USAF	RDTE/OTHER DEFENSE - RESEARCH	50
STATE TOTAL				899

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	LOYOLA COLLEGE	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 59
	LOYOLA UNIVERSITY OF CHICAGO	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	66
	LSA INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	203
	LTV AEROSPACE & DEFENSE CO	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	170
	LUMONICS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	35
	M M R TECHNOLOGIES, INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	208
	M/A COM LINKABIT INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	230
	MAC AULAY-BROWN INC	Ohio	ARMY	RDTE/OTHER DEFENSE - RESEARCH	290
	MAGMA-SEAL INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	MANTECH INTERNATIONAL CORP	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	199
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	CONTRACTOR TOTAL				249
	MARBLE ASSOCIATES, INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	MARINE BIOLOGICAL LABORATORY	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	MARK RESOURCES INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	42
	MARTIN MARIETTA CORPORATION	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	381
		D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	61
		Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,055
	CONTRACTOR TOTAL				2,497
	MARYLAND MEDICAL LABORATORY	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	66
	MASSACHSTTS INST OF TCHNOLOGY	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	38
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	20,994
			USAF	RDTE/OTHER DEFENSE - RESEARCH	147
	STATE TOTAL				21,179
	MASSACHUSETTS UNIVERSITY OF	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,568
		Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	39
	CONTRACTOR TOTAL				3,607

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	MATERIAL CONCEPTS INC	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 49
	MATHTECH INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	263
	MAXWELL LABORATORIES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	643
	MAYO FOUNDATION	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
		Maryland	USAF	RDTE/OTHER DEFENSE - RESEARCH	300
		Missouri	NAVY	RDTE/OTHER DEFENSE - RESEARCH	80
			USAF	RDTE/OTHER DEFENSE - RESEARCH	193
		STATE TOTAL			273
	CONTRACTOR TOTAL				633
	MCDONNELL DOUGLAS TRAINING SYS	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	98
	MCPHEE RESEARCH CO	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	149
	MEDICAL COLLEGE OF PA	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	MEDICAL RFS FNDTION OF OREGON	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	283
	MELLON PITT CARNEGIE CORP	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	MEMPHIS STATE UNIVERSITY	Tennessee	NAVY	RDTE/OTHER DEFENSE - RESEARCH	199
	MERIDIAN CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	182
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
		STATE TOTAL			232
	MERRIFIELD LABORATORIES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	79
	METRATEK INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	146
	METSAT INC	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	447
	MICHIGAN STATE UNIVERSITY	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	717
	MICHIGAN TCHNLGCAL UNIVERSITY	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	182
	MICROELECTRNCS CTR OF NC	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	30
	MICROEXPERT SYSTEMS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	499
	MIDWEST BIOLASER INSTITUTE	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	349

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	MINISTRY OF DEFENSE UK	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - RESEARCH	$ 5,081
	MINNESOTA MIN & MFG COMPANY	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	65
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	865
	MISSISSIPPI STATE UNIV	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	175
	MONTANA STATE UNIVERSITY	Montana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	205
	MONTEREY BAY AQUARIUM	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	69
	MORTON THIOKOL INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	124
	MOTOROLA INC	Arizona	ARMY	RDTE/OTHER DEFENSE - RESEARCH	256
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	74
		STATE TOTAL			330
	MULTIARC SCIENTIFIC COATINGS	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	82
	NATIONAL ACADEMY SCIENCES USA	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	743
	NATIONAL OPINION RESEARCH CTR	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	98
	NATIONAL SCIENCE FOUNDATION	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,090
	NATIONAL TECHNOLOGICAL UNIV	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	180
	NEUROSCIENCES RES FOUND INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
	NEW ENGLAND DEACONESS HOSP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	156
	NEW ENGLAND MED CTR HOSPITALS	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	88
	NEW JERSEY INST OF TECHNOLOGY	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	55
	NEW MEXICO STATE UNIVERSITY	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	54
	NEW MXICO INST OF MIN TCHNLGY	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	NEW YORK BLOOD CENTER INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	492
	NEW YORK UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,865
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	225
	NIELSEN ENGINEERING AND RES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	284

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	NORTH CAROLINA A&T UNIV	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 450
	NORTH CAROLINA STATE UNIV	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,027
	NORTH TEXAS STATE UNIVERSITY	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	NORTHEASTERN OH UNIV CLG MD	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	80
	NORTHEASTERN UNIVERSITY CORP	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	348
	NORTHERN ILLINOIS UNIVERSITY	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	107
	NORTHROP CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,478
			USAF	RDTE/OTHER DEFENSE - RESEARCH	1,250
		STATE TOTAL			3,728
	NORTHWEST RSCH ASSOC INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	304
	NORTHWESTERN UNIVERSITY	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,885
			USAF	RDTE/OTHER DEFENSE - RESEARCH	175
		STATE TOTAL			2,060
	NOVA UNIVERSITY INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	145
	OCCIDENTAL COLLEGE	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	OCEAN DATA SYSTEMS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,815
	OCEAN REMOTE SENSING & ENGRG	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	923
	OHIO STATE UNIVERSITY	Georgia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	118
		Ohio	ARMY	RDTE/OTHER DEFENSE - RESEARCH	234
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,606
			USAF	RDTE/OTHER DEFENSE - RESEARCH	203
		STATE TOTAL			2,043
	CONTRACTOR TOTAL				2,161
	OLD DMNION UNIV RES FUNDATION	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	151
	OPTICOMP CORP INC	Nevada	NAVY	RDTE/OTHER DEFENSE - RESEARCH	300
	OPTIVISION INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	OPTRON SYSTEMS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	172

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	OREGON GRAD CNTR STUCY/RESERCH	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 468
	OREGON HEALTH SCIENCES UNIV	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	266
	OREGON STATE UNIVERSITY	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	7,488
	ORINCON CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	437
	ORTEL CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	246
	OVONIC SYNTHETIC MATERIALS CO	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	66
	OWENS-CORNING FIBERGLAS CORP	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	295
	P D A ENGINEERING	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	PACIFIC MARINE ENVIRON LAB	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	185
	PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	94
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	336
	STATE TOTAL				430
	PALISADES INST FOR RES SVCS	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	555
	PAR TECHNOLOGY CORPORATION	New York	ARMY	RDTE/OTHER DEFENSE - RESEARCH	158
	PENNSYLVANIA HOSPITAL	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	72
	PENNSYLVANIA STATE UNIV THE	Penn	ARMY	RDTE/OTHER DEFENSE - RESEARCH	180
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	6,726
	STATE TOTAL				6,906
	PENNZOIL PRODUCTS CO	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	70
	PERCEPTRONICS INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	207
		Michigan	USAF	RDTE/OTHER DEFENSE - RESEARCH	216
	CONTRACTOR TOTAL				423
	PERSONNEL DCSONS RES INSTTUTE	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	118
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59
	PHYSICAL DYNAMICS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	147

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	CONTRACTOR TOTAL				$ 347
	PHYSICAL RESEARCH INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	148
	PHYSICAL SCIENCES INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	PHYSICS INTERNATIONAL COMPANY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
		Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	101
	CONTRACTOR TOTAL				301
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	6,999
	POLARIS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	482
	POLYTECHNIC UNIV OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	943
	PORTLAND STATE UNIVERSITY	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	POWER CONVERSION INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	172
	POWER SPECTRA INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	458
	PRECISION NAVIGATION INC	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
	PRES&FELLOWS OF HARVARD COL	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
	PRESEARCH INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	76
	PRINCETON UNIVERSITY	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,697
	PROCEDYNE CORP	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	PROFESSIONAL MANAGEMENT ASSOC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	360
	PULSE SCIENCES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	371
	PURDUE UNIVERSITY	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	6,203
			USAF	RDTE/OTHER DEFENSE - RESEARCH	33
	STATE TOTAL				6,236
	QUAKER ALLOY INC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	57
	QUANTEX CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	70
	QUANTICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	178

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
		Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 50
	CONTRACTOR TOTAL				228
	R & D ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	483
	RADIATION MONITORING DEVICES	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	60
	RAVEN INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,909
	RAYTHEON COMPANY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
		Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,524
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	271
		STATE TOTAL			1,795
		Rhode Isld	NAVY	RDTE/OTHER DEFENSE - RESEARCH	940
	CONTRACTOR TOTAL				2,785
	RCA CORPORATION	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,480
	REFRACTORY COMPOSITES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	RENSSELAER POLYTECHNIC INST	New York	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,001
		STATE TOTAL			4,051
	RESEARCH FNDTN MTL HLTH	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	272
	RESEARCH TRIANGLE INSTITUTE	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,330
			USAF	RDTE/OTHER DEFENSE - RESEARCH	415
		STATE TOTAL			2,745
	RESOURCE MANAGEMENT ASSOC	California	USAF	RDTE/OTHER DEFENSE - RESEARCH	95
	RICE WILLIAM MARSH UNIVERSITY	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,158
	RIVERSIDE RESEARCH INSTITUTE	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	201
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,857
	RONDOUT ASSOCIATES INC	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	285

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	ROSWELL PARK MEM INST	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 98
	ROTHE DEVELOPMENTS INC	Texas	USAF	RDTE/OTHER DEFENSE - RESEARCH	61
	ROWE DEINES INSTRUMENTS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	RUTGERS THE STATE UNIVERSITY	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,293
	S T D RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	52
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,382
		Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,096
	CONTRACTOR TOTAL				2,478
	SAN DIEGO AIRCRAFT ENGRG	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	548
	SAN JOSE STATE UNIVERSITY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	286
	SANDERS ASSOCIATES INC	N.H.	USAF	RDTE/OTHER DEFENSE - RESEARCH	47
	SANDERS FREDERICK DR	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	31
	SAXPY COMPUTER CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	96
	SCHAFER W J ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	500
	SCHLUMBERGER LIMITED	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	43
	SCHWARTZ ELECTRO-OPTICS INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	114
	SCI TEC INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	85
		Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	279
	CONTRACTOR TOTAL				364
	SCIENCE & TECHNOLOGY CORP	New Mexico	ARMY	RDTE/OTHER DEFENSE - RESEARCH	392
		Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	147
	CONTRACTOR TOTAL				539
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	7,885
		Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	356
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,493

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	STATE TOTAL				$ 1,849
	CONTRACTOR TOTAL				9,734
	SCIENCE RESEARCH LABORATORY	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,775
	SCIENTIFIC RESEARCH ASSOC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	324
	SCIENTIFIC RESEARCH CENTER INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	28
	SCIENTIFIC SYSTEMS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59
	SCRIPPS CLINIC RES FOUNDATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	171
	SEA TECH INC	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	797
	SEACO INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	38
	SETS INC	Hawaii	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
	SHIHYUNG SECURITY TECHNOLOGY	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	65
	SIAGENIC INC	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	SIGMA RESEARCH INC	Washington	ARMY	RDTE/OTHER DEFENSE - RESEARCH	49
	SIGNITION INCORPORATED	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	290
	SILICON GRAPHICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	68
	SIMMONDS PRECISION PRODUCTS	Vermont	USAF	RDTE/OTHER DEFENSE - RESEARCH	33
	SMITHSONIAN INSTITUTION	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	130
		Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	75
	CONTRACTOR TOTAL				205
	SOFTWARE ARCHITECTURE & ENGRG	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	65
	SOFTWARE OPTIONS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	SONALYSTS INC	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	463
	SONOGUEST ADVANCED	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	53
	SOUTH CAROLINA RES AUTHORITY	S Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	16,161
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/OTHER DEFENSE - RESEARCH	853

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
		New York	USAF	RDTE/OTHER DEFENSE - RESEARCH	$ 720
	CONTRACTOR TOTAL				1,573
	SOUTHERN ILLINOIS UNIVERSITY	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	604
	SOUTHERN METHODIST UNIVERSITY	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	134
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/OTHER DEFENSE - RESEARCH	1,821
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/OTHER DEFENSE - RESEARCH	428
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	238
		STATE TOTAL			666
	SPARTA INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	286
	SPECTRA TECHNOLOGY INC	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	86
	SPECTRON DEVELOPMENT LABS	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	120
	SPIRE CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - RESEARCH	53
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	326
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	5,945
			USAF	RDTE/OTHER DEFENSE - RESEARCH	175
		STATE TOTAL			6,446
	SRI INTL	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	STANFORD UNIVERTSITY	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	301
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	17,072
			USAF	RDTE/OTHER DEFENSE - RESEARCH	560
		STATE TOTAL			17,933
	STANLEY ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	153
	STATE OF OKLAHOMA	Oklahoma	ARMY	RDTE/OTHER DEFENSE - RESEARCH	130
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	141
		STATE TOTAL			271
	STATE UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,256
	STEVENS INSTITUTE TECHNOLOGY	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	456
	STRATEGIC ANALYSIS INC	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50

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PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
		Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	$ 103
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	93
		STATE TOTAL			196
	CONTRACTOR TOTAL				246
	STRUCTURED SOFTWARE DEV	Louisiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	27-
	SUMMIT RESEARCH CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	SUNREZ CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
	SUPERCONDUCTOR TECH INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,370
	SYNTEK	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	45
	SYRACUSE UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	387
	SYSCON CORPORATION	D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	310
	SYSTEM DEVELOPMENT CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	320
	SYSTEM ENGINEERING & DEV	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	488
			USAF	RDTE/OTHER DEFENSE - RESEARCH	100
		STATE TOTAL			588
	SYSTEMS & ELECTRONICS INC	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	8,584
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,414
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	2,381
		Texas	USAF	RDTE/OTHER DEFENSE - RESEARCH	295
	CONTRACTOR TOTAL				2,676
	SYSTRAN CORP	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	701
	TANTALUS INC	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	40
	TELEDYNE INDUSTRIES INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	119
	TEMPLE UNVRSTY/CMNWLTH SYST	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	991
	TETRA CORPORATION	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	59

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	TETRA TECH DATA SYSTEMS INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 153
	TEXAS A & M UNIV SYS THE	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,792
			USAF	RDTE/OTHER DEFENSE - RESEARCH	152
		STATE TOTAL			1,944
	TEXAS CHRISTIAN UNIVERSITY	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,758
			USAF	RDTE/OTHER DEFENSE - RESEARCH	44
		STATE TOTAL			1,802
	TEXAS RESEARCH INSTITUTE INC	Texas	ARMY	RDTE/OTHER DEFENSE - RESEARCH	50
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	675
		STATE TOTAL			725
	TEXAS TECH UNIVERSITY	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	THATCHER JONES ASSOC INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - RESEARCH	60
	THERMO ELECTRON CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	240
	THERMO ELECTRON TECH CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	394
	TITAN CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	439
	TOCCO INC	Michigan	ARMY	RDTE/OTHER DEFENSE - RESEARCH	42
	TRACOR INC	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	261
	TRANS-SCIENCE CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	291
	TRW INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	9,905
			USAF	RDTE/OTHER DEFENSE - RESEARCH	285
		STATE TOTAL			10,190
		Georgia	USAF	RDTE/OTHER DEFENSE - RESEARCH	441
	CONTRACTOR TOTAL				10,631
	TS INFOSYSTEMS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	169
	TUFTS UNIVERSITY	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	284
	TULANE UNIVERSITY	Louisiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	103

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	TUSKEGEE UNIVERSITY	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 446
	U S DEPARTMENT OF COMMERCE	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	775
			USAF	RDTE/OTHER DEFENSE - RESEARCH	60
		STATE TOTAL			835
		D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	395
		Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,111
		Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	35
		Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	376
	CONTRACTOR TOTAL				3,752
	UFI	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	49
	ULTRAMET	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	55
	ULTRASYSTEMS INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	ULTRASYSTEMS WESTERN CONSTRS	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	110
	UNISYS CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	210
		Virginia	USAF	RDTE/OTHER DEFENSE - RESEARCH	4,223
	CONTRACTOR TOTAL				4,433
	UNITED ST DEPT INTERIOR	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	461
	UNITED STATES DEPT ENERGY	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	461
		D.C.	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
		Idaho	NAVY	RDTE/OTHER DEFENSE - RESEARCH	170
		Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	411
		New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	161
		Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	66
	CONTRACTOR TOTAL				1,319
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,548

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
			USAF	RDTE/OTHER DEFENSE - RESEARCH	$ 71
		STATE TOTAL			1,619
		Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,914
	CONTRACTOR TOTAL				3,533
	UNIV CORP FOR ATMOSPHERIC RSC	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,180
	UNIV OF CAL AT SANTA BARBARA	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	62
	UNIV OF CENTRAL FLORIDA	Florida	ARMY	RDTE/OTHER DEFENSE - RESEARCH	300
	UNIV OF COLORADO	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	319
	UNIV OF KANSAS	Kansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	83
	UNIV OF NEW YORK AT STONY BRO	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	186
	UNIVER/PGH COMMON SYST EDUC	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,483
			USAF	RDTE/OTHER DEFENSE - RESEARCH	98
		STATE TOTAL			1,581
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	1,833
	UNIVERSITY NOTRE DAME	Indiana	NAVY	RDTE/OTHER DEFENSE - RESEARCH	889
	UNIVERSITY OF AKRON	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	37
	UNIVERSITY OF ALABAMA	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH	576
	UNIVERSITY OF ALASKA	Alaska	NAVY	RDTE/OTHER DEFENSE - RESEARCH	144
	UNIVERSITY OF ARIZONA	Arizona	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,236
	UNIVERSITY OF ARKANSAS	Arkansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	160
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	41,109
			USAF	RDTE/OTHER DEFENSE - RESEARCH	607
		STATE TOTAL			41,716
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	225
	UNIVERSITY OF CHICAGO THE	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,683
	UNIVERSITY OF CINCINNATI	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	37

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
			USAF	RDTE/OTHER DEFENSE - RESEARCH	$ 37
		STATE TOTAL			74
	UNIVERSITY OF COLORADO	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,333
	UNIVERSITY OF CONNECTICUT	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,269
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/OTHER DEFENSE - RESEARCH	979
	UNIVERSITY OF DELAWARE	Delaware	NAVY	RDTE/OTHER DEFENSE - RESEARCH	974
			USAF	RDTE/OTHER DEFENSE - RESEARCH	62
		STATE TOTAL			1,036
	UNIVERSITY OF FLORIDA	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	408
			USAF	RDTE/OTHER DEFENSE - RESEARCH	50
		STATE TOTAL			458
	UNIVERSITY OF GEORGIA	Georgia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	172
	UNIVERSITY OF HAWAII	Hawaii	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,805
	UNIVERSITY OF HEALTH	Illinois	NAVY	RDTE/OTHER DEFENSE - RESEARCH	27
	UNIVERSITY OF HOUSTON SYSTEM	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	378
	UNIVERSITY OF IDAHO	Idaho	NAVY	RDTE/OTHER DEFENSE - RESEARCH	38
	UNIVERSITY OF ILLINOIS	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
		Illinois	ARMY	RDTE/OTHER DEFENSE - RESEARCH	165
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	8,246
		STATE TOTAL			8,411
	CONTRACTOR TOTAL				8,511
	UNIVERSITY OF IOWA THE	Iowa	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,216
	UNIVERSITY OF KANSAS	Kansas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	200
	UNIVERSITY OF KENTUCKY	Kentucky	NAVY	RDTE/OTHER DEFENSE - RESEARCH	155
	UNIVERSITY OF LOUISVILLE	Kentucky	NAVY	RDTE/OTHER DEFENSE - RESEARCH	178
	UNIVERSITY OF LOWELL	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	317
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	6,807

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	UNIVERSITY OF MIAMI INC	Florida	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 50
	UNIVERSITY OF MICHIGAN	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,100
			USAF	RDTE/OTHER DEFENSE - RESEARCH	757
		STATE TOTAL			3,857
	UNIVERSITY OF MINNESOTA	Minnesota	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,785
	UNIVERSITY OF MISSISSIPPI	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	170
	UNIVERSITY OF MISSOURI	Missouri	NAVY	RDTE/OTHER DEFENSE - RESEARCH	517
	UNIVERSITY OF NEBRASKA	Nebraska	ARMY	RDTE/OTHER DEFENSE - RESEARCH	26
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	109
		STATE TOTAL			135
	UNIVERSITY OF NEVADA SYSTEM	Nevada	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	UNIVERSITY OF NEW MEXICO	New Mexico	NAVY	RDTE/OTHER DEFENSE - RESEARCH	520
			USAF	RDTE/OTHER DEFENSE - RESEARCH	110
		STATE TOTAL			630
	UNIVERSITY OF NORTH CAROLINA	N Carolina	ARMY	RDTE/OTHER DEFENSE - RESEARCH	112
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,883
		STATE TOTAL			1,995
	UNIVERSITY OF OKLAHOMA	Oklahoma	NAVY	RDTE/OTHER DEFENSE - RESEARCH	171
	UNIVERSITY OF OREGON	Oregon	NAVY	RDTE/OTHER DEFENSE - RESEARCH	556
	UNIVERSITY OF PENNSYLVANIA	Penn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	3,804
	UNIVERSITY OF PUERTO RICO	PUERTO RIC	NAVY	RDTE/OTHER DEFENSE - RESEARCH	185
	UNIVERSITY OF RHODE ISLAND	Rhode Isld	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,648
	UNIVERSITY OF ROCHESTER	New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,059
	UNIVERSITY OF SOUTH ALABAMA	Alabama	NAVY	RDTE/OTHER DEFENSE - RESEARCH	124
	UNIVERSITY OF SOUTH CAROLINA	S Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	266
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/OTHER DEFENSE - RESEARCH	4,133
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	5,786

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

AD91 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
		STATE TOTAL			$ 9,919
	UNIVERSITY OF SOUTHERN MISSISS	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	133
	UNIVERSITY CF TENNESSEE	Tennessee	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,696
	UNIVERSITY OF TEXAS SYSTEM	Texas	NAVY	RDTE/OTHER DEFENSE - RESEARCH	4,730
			USAF	RDTE/OTHER DEFENSE - RESEARCH	155
		STATE TOTAL			4,885
	UNIVERSITY OF UTAH	Utah	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,726
	UNIVERSITY OF VERMONT	Vermont	NAVY	RDTE/OTHER DEFENSE - RESEARCH	45
	UNIVERSITY OF VIRGINIA	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	809
	UNIVERSITY OF WASHINGTON	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	11,053
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	NAVY	RDTE/OTHER DEFENSE - RESEARCH	2,357
			USAF	RDTE/OTHER DEFENSE - RESEARCH	38
		STATE TOTAL			2,395
	UNIVERSITY OF WYOMING	Wyoming	NAVY	RDTE/OTHER DEFENSE - RESEARCH	740
	US DEPT OF COMM	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	100
	US DEPT OF COMMERCE	Miss	NAVY	RDTE/OTHER DEFENSE - RESEARCH	110
	US FOOD & DRUG ADMIN	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	125
	UTAH STATE UNIVERSITY	Utah	NAVY	RDTE/OTHER DEFENSE - RESEARCH	56
	VANDERBILT UNIVERSITY THE	Tennessee	NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,839
	VARIAN ASSOCIATES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	437
	VESTAR RESEARCH INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	84
	VIRGINIA COMMONWEALTH UNIV	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	78
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	32
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	1,514
			USAF	RDTE/OTHER DEFENSE - RESEARCH	600
		STATE TOTAL			2,146
	VISTA RESEARCH INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	175

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
	WALLACE T H INC	Virginia	ARMY	RDTE/OTHER DEFENSE - RESEARCH	$ 51
	WASHINGTON STATE UNIVERSITY	Washington	NAVY	RDTE/OTHER DEFENSE - RESEARCH	820
	WASHINGTON UNIVERSITY	Missouri	NAVY	RDTE/OTHER DEFENSE - RESEARCH	366
	WAYNE STATE UNIVERSITY	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	68
	WEST VIRGINIA UNIVERSITY	W Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	274
	WESTEC SERVICES INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	43
	WESTERN MICHIGAN UNIVERSITY	Michigan	NAVY	RDTE/OTHER DEFENSE - RESEARCH	39
	WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	9,182
	WESTINGHOUSE ELECTRIC CORP	Maryland	NAVY	RDTE/OTHER DEFENSE - RESEARCH	394
		Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	90
		Penn	ARMY	RDTE/OTHER DEFENSE - RESEARCH	111
			NAVY	RDTE/OTHER DEFENSE - RESEARCH	497
			USAF	RDTE/OTHER DEFENSE - RESEARCH	65
	STATE TOTAL				673
	CONTRACTOR TOTAL				1,157
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/OTHER DEFENSE - RESEARCH	90
	WINZEN INTERNATIONAL INC	Texas	USAF	RDTE/OTHER DEFENSE - RESEARCH	48
	WON I J GEOPHEX LTD	N Carolina	NAVY	RDTE/OTHER DEFENSE - RESEARCH	50
	WOODS HOLE OCEANOGRAPHC INSTN	Mass	NAVY	RDTE/OTHER DEFENSE - RESEARCH	13,143
	WRIGHT STATE UNIVERSITY	Ohio	NAVY	RDTE/OTHER DEFENSE - RESEARCH	124
			USAF	RDTE/OTHER DEFENSE - RESEARCH	470
	STATE TOTAL				594
	WYATT TECHNOLOGY CORP	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	31
	XEDAR CORPORATION	Colorado	NAVY	RDTE/OTHER DEFENSE - RESEARCH	58
	XENOLOGIC INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	XEROX CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	210

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD91 (CONTINUED)					
		New York	NAVY	RDTE/OTHER DEFENSE - RESEARCH	$ 57
	CONTRACTOR TOTAL				267
	XONTECH INC	California	NAVY	RDTE/OTHER DEFENSE - RESEARCH	250
	YALE UNIVERSITY	Conn	NAVY	RDTE/OTHER DEFENSE - RESEARCH	5,156
	ZENITH DATA SYSTEMS CORP	Virginia	NAVY	RDTE/OTHER DEFENSE - RESEARCH	203
	R&D TOTAL				615,155
AD92	A E C DESIGN	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	A T & T TECHNOLOGIES INC	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,040
		N Carolina	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	182
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	240
		STATE TOTAL			422
	CONTRACTOR TOTAL				1,462
	A T S S INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	ACTRAN SYSTEMS INC	Florida	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	486
	ACUREX CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	564
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	176
	CONTRACTOR TOTAL				740
	ADAPTIVE OPTICS ASSOCIATES INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	147
	ADAPTIVE SENSORS INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	290
	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	336
	ADVANCED AEROMECHANISMS CORP	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	84
	ADVANCED COMMUNICATION ENG CO	Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	77
	ADVANCED COMPOSITE ENGRG	Indiana	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,327
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	832
		STATE TOTAL			3,159

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	ADVANCED MARINE ENTERPRISES	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 207
	ADVANCED RES & APPLICATIONS	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	930
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	246
		STATE TOTAL			1,176
	ADVANCED SCIENCES INC	New Mexico	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	ADVANCED TECH MATERIALS INC	Conn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	375
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	43
	ADVANCED TECHNOLOGY INC	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	80
	ADVANCED TECHNOLOGY SYSTEMS	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	491
	AERO THERMA SYS & STRUCTURES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	AERODYNE RESEARCH INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	435
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,657
	AEROJET SOLID PROPULSION CO	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	269
	AEROVIRONMENT INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	AGBABIAN ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	AIR PRODUCTS AND CHEMICALS	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	233
	ALABAMA CRYOGENIC ENGINEERING	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ALLEN CORPORATION OF AMERICA	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	ALLIED SIGNAL AEROSPACE CO	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,236
		California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	80
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	669
		STATE TOTAL			749
		D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
		Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,611
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	284
		STATE TOTAL			1,895
		Nevada	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,949

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	CONTRACTOR TOTAL				$ 5,879
	ALLOY SURFACES CO	Delaware	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	410
	ALPHATECH INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	392
		STATE TOTAL			442
	AMADAHL CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	247-
	AMBER ENGINEERING INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
	AMERICAN FOUNDATION	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
	AMERICAN HOECHST CORPORATION	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	226
	AMERICAN INST RSRCH BEHAV SCI	D.C.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	AMERICAN MATRIX INC	Tennessee	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	108
	AMERICAN RES CORP VIRGINIA	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	971
	AMHERST SYSTEMS INC	New York	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	205
	AMTEC ENGINEERING INC	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ANALYTIC DECISION INCORPORATED	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	ANALYTIC SCIENCES CORP	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,396
		STATE TOTAL			1,446
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	CONTRACTOR TOTAL				1,476
	ANALYTIC SERVICES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	899
	ANALYTICAL SYSTEMS ENGRG CORP	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	146
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
	CONTRACTOR TOTAL				446
	ANALYTICS INCORPORATED	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
	ANAMET LABORATORIES INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	609

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	ANRO ENGINEERING CONSULTANTS	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 56
	ANTHROPOLOGY RESEARCH PROJECT	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	ANTRO-PIX CORPORATION	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	178
	APEX ENVIRONMENTAL INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
	APPLIED ELECTROMAGNETICS INC	Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
	APPLIED RESEARCH ASSOC INC	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,728
		N Carolina	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	184
	CONTRACTOR TOTAL				2,912
	APPLIED RESEARCH INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,618
		Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	80
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	425
	CONTRACTOR TOTAL				4,123
	APPLIED SCIENCE ASSOCIATES	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	198
	APPLIED THEORY INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	276
	APTECH ENGINEERING SERVICES	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	94
	APTEK INC	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,086
	AQUANAUTICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	AQUATIC EXOTIC ANIMAL MEDICINE	Hawaii	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	ARCO POWER TECHNOLOGY	D.C.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	487
	AREA THERM CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	ARETE ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	ARRAL INDUSTRIES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,241
	ASTRON CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ASTRON RESEARCH & ENGINEERING	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	450
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	114

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		STATE TOTAL			$ 564
	ASTRONAUTICS CORP AMERICA	Wisconsin	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	585
	ASTROSYSTEMS INC	Delaware	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	445
	ASTROTECH INC	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ATHENA ENGINEERING CO	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	190
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	63
	ATLANTIC RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	27
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,701
		STATE TOTAL			2,901
	CONTRACTOR TOTAL				2,928
	ATM CORP	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	63
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	68
	AUBURN UNIVERSITY	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,253
	AUSTIN RESEARCH ASSOCIATES	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	AUTOMETRIC INC	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	72
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	178
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	147
		STATE TOTAL			325
	CONTRACTOR TOTAL				397
	AVANTEK INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
	AVCO CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,164
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
		STATE TOTAL			2,414
	AXXON VOICE PRODUCTS	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	B & M TECHNOLOGICAL SERVICES	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	134-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	B-K DYNAMICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 430
	BAAS CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	584
	BALL CORPORATION	Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	4,182
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	605
		STATE TOTAL			4,838
	BBN COMMUNICATIONS CORP	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	195
	BDM CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
		New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,673
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,218
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	338
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	234
		STATE TOTAL			5,790
	CONTRACTOR TOTAL				9,663
	BECHTEL NATIONAL, INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,575
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	118
		STATE TOTAL			5,693
	BECON	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	666
	BEECHER RESEARCH CO	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	44
	BEI ELECTRONICS INC	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	35-
	BERKELEY RESEARCH ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	819
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	444
		STATE TOTAL			1,263
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	667
	CONTRACTOR TOTAL				1,930
	BETAC CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	67
	BOEING COMPANY THE	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,642

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 390
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,779
		STATE TOTAL			4,169
	CONTRACTOR TOTAL				9,811
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	500
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	977
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
		STATE TOTAL			1,727
	BONNEVILLE SCIENTIFIC INC	Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,648
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	641
		STATE TOTAL			3,289
		New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	72
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	201
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	78
		STATE TOTAL			279
	CONTRACTOR TOTAL				3,640
	BOSTON UNIVERSITY TRUSTEES OF	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	74
	BRIMROSE CORP OF AMERICA	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	BRISTEN OFFICE CONCEPTS INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	95
	BRUNSWICK CDC	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	37
	BUNTON INSTRUMENT CO INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	62
	BURKE TECHNOLOGIES INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	61
	BUSINESS TCHNLOGICAL SYSTEMS	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	55
	C M C ELECTRONICS INC	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	276
	C S R INC	D.C.	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	165
	CACI INTERNATIONAL INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150

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(AMOUNTS IN THOUSANDS)

AD92 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	CALGON CORPORATION	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 175
	CALIFORNIA INST OF TECHNOLOGY	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	81
	CALIFORNIA RES & TECHNOLOGY	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	6,143
		New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	187
	CONTRACTOR TOTAL				6,330
	CALIFORNIA STATE UNIV - CHICO	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,699
	CALL/RECALL	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	89
	CALSPAN CORPORATION	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	381
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	54
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,072
		STATE TOTAL			1,507
		Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	CONTRACTOR TOTAL				1,607
	CAMPBELL ENGINEERING INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,884
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	326
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	540
		STATE TOTAL			866
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,537
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	350
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,146
		STATE TOTAL			9,033
	CARPENTER RESEARCH CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	54
	CARTWRIGHT ELECTRONICS INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
	CAS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,330
	CASE WESTERN RESERVE UNIV	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	73
	CENTRAL POWER ENGINEERING	KUWAIT	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	37
	CERAMPHYSICS INC	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	CHAMBERLAIN MANUFACTURING CORP	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$	198-
	CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		135
	CHROMATICS INC	Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		65
	CHRONOS RSCH LABS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		50
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		64
	STATE TOTAL					114
	CLARKSON UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		120
	COLEMAN RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		49
		Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		149
	CONTRACTOR TOTAL					198
	COLLINS INTERNATIONAL SV CO	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		238
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		32
	COLUMBIA UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		150
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		32
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		36
	STATE TOTAL					218
	COMAR INC	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		204
	COMMAND SYSTEMS GROUP INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		220
	COMMUNICATIONS SATELLITE CORP	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		70
	COMPTEK CO	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		50
	COMPUTER CORPORATION AMERICA	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		682
	COMPUTER MEASUREMENTS COMPANY	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		25
	COMPUTER SCIENCES CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		5,560
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		327
	CONTRACTOR TOTAL					5,887
	COMPUTER SYSTEMS MANAGEMENT,	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		147

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	COMPUTERBASE INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$	259
	CONKEY H D & COMPANY	Kentucky	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		33
	CONSOLIDATED INDUSTRIES INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		433
	CONSULTANT SPECIALIST INC	Oregon	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		77
	CONTEL FEDERAL SYSTEMS INC	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		611
	CONTROL DATA CANADA LIMITED	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		64
	CONTROL DATA CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		57
		Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		124
	CONTRACTOR TOTAL					181
	CORACON INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		525
	CORBETT TECHNOLOGY COMPANY INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		723
	CORNELL UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		230
	CORVUS SYSTEMS INCORPORATED	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		254
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		59
	STATE TOTAL					313
	CREARE, INC	N.H.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		57
	CROTON INSTITUTE LTD	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		284
	CRYSTALLUME	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		54
	CTA INCORPORATED	Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		32-
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		445
	CONTRACTOR TOTAL					413
	DAISY SYSTEMS CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		49
	DARTMOUTH COLLEGE	N.H.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		70
	DATAMETRICS RESEARCH INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		159
	DAVID SARNOFF RESEARCH LABS	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		397

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	DAYCHEM LABORATORIES INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 201
	DAYTON SCIENTIFIC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	79
	DBA SYSTEMS INC	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	236
	DECILOG INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	85
	DECISION SCIENCE CONSORTIUM	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	63
	DECISION-SCIENCE APPLICATIONS	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	828
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	376
	STATE TOTAL				1,204
	DEF RSCH TECHNOLOGIES,INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	90
	DEFENSE SYSTEMS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,731
	DELPHI RESEARCH INC	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	53
	DEMACO	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	83
	DESIGN THREE INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	152
	DIAMOND MATERIALS INSTITUTE	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	77
	DIEHL GMBH & CO	GERMANY, F	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	625
	DIESEL DYNE CORP	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	42
	DIGITAL EQUIPMENT CORPORATION	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	215
		Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	CONTRACTOR TOTAL				264
	DIGITAL OPTICS INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	579
	DIGITAL RADIO CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	DIRECTED ENERGY INC	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	DIRECTED TECHNOLOGIES INC	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	151
	DISPLAYTECH INC	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
	DIVERSIFIED ENGINEERING INC	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	DOLY SCIENTIFIC INC	S Carolina	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 50
	DOW CHEMICAL COMPANY THE	Michigan	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	951
		STATE TOTAL			1,101
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	882
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	212
		STATE TOTAL			1,094
	DREXEL UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	53
	DSSI	Tennessee	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	63-
	DU PONT E I DE NMOURS COMPANY	Delaware	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	341
	DWA COMPOSITE SPECIALTIES INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	DYNA EAST CORPORATION	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	172
	DYNAMIC CONTROLS INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	531
	DYNAMIC ENG	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	105
	DYNAMICS TECHNOLOGY	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	144
	DYNCORP	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	225
	DYNETICS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
	E A L CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	120
	E C CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,448
		Tennessee	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	806
	CONTRACTOR TOTAL				3,254
	E G G WASH ANALYTICAL SVCS CTR	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
		New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	625
	CONTRACTOR TOTAL				695
	E I C LABORATORY INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	504
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	119

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	STATE TOTAL				$ 623
	E-SYSTEMS INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	EAGLE SYSTEMS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	181
	EAGLE-PICHER INDUSTRIES INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	890
		Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	225
		Missouri	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
	CONTRACTOR TOTAL				1,415
	EARTH SATELLITE CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	335
	EASTMAN KODAK COMPANY	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	151
	EATON CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	181
	EBASCO SERVICES INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,575
	ELECTRO DESIGN MANUFACTURING	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	ELECTRO-OPTEK CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	57
	ELECTROCHIMICA CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	94
	ELECTRONIC ASSOCIATES INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	675
		New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	99
	CONTRACTOR TOTAL				774
	ELECTRONIC DATA SYSTEMS CORP	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	74
	ELECTRONIC DECISIONS INC	Illinois	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	6,342
	ELECTRONIC IMAGE SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	EMCORE CORP	New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ENERGY COMPRESSION RESEARCH	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ENERGY CONVERSION DEVICES INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ENERGY/ENVIRONMENTAL RES GROP	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ENGINEERING & ECONOMICS RES	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	55

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	ENGINEERING RESEARCH ASSOC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 67
	ENVIRON RSCH INST OF MICHIGAN	Michigan	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	825
	ENVIRONMENTAL RESEARCH	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	296
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	169
		STATE TOTAL			465
	ERNST MACHINSTITUT	GERMANY, F	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	176
	ESSEX CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	36
	CONTRACTOR TOTAL				136
	ETM-ELECTROMATIC INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
	EXCEL TECHNOLOGY INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	EXPERT EASE SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	450
	FAIRCHILD INDUSTRIES INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,927
	FAIRCHILD WESTON SYSTEMS	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	275
	FALCON ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,723
	FLIGHT SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	659
	FLOWDRILL CORP	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	53
	FLUID PHYSICS IND	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	239
	FLUIDYNE ENGINEERING CORP	Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	877
	FMC CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	702
		Minnesota	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	427
	CONTRACTOR TOTAL				1,129
	FORD AEROSPACE	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,200
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	394
		STATE TOTAL			1,594
		Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	65

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	CONTRACTOR TOTAL				$ 1,659
	FOSTER-MILLER INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	137
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	418
		STATE TOTAL			555
	FRONTIER ENGINEERING INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	744
	G E C AVIONICS LTD	UNITED KIN	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	183
	G T E LABORATORIES INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	525
	G. T. DEVICES, INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	680
	GA TECHNOLOGIES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	270
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	340
		STATE TOTAL			610
	GARJAK RESEARCH INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	706
	GARRETT AUXILLIARY POWER DIV	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	81
	GENCORP INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	848
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	9,423
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	188
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	239
		STATE TOTAL			9,850
		Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	481
	CONTRACTOR TOTAL				10,331
	GENERAL ELECTRIC COMPANY	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	45
		Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,363
		Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	450
		New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,226
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	965
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,260
		STATE TOTAL			4,451
		Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	4,000

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 97
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	4,089
		STATE TOTAL			8,186
		Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,886
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	498
		STATE TOTAL			2,384
		Vermont	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	373
	CONTRACTOR TOTAL				18,252
	GENERAL HOSPITAL CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,000
	GENERAL MGT ASSOCIATES	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,033
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	47
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,670
		STATE TOTAL			2,717
	GENERAL RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	188
		California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,401
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	122
		STATE TOTAL			1,523
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,000
	CONTRACTOR TOTAL				2,811
	GENERAL SCIENCES INC	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	197
	GENESIS	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	152
	GENTEX CORPORATION	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	144
	GEO-CENTERS INC	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	568
		Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	449
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	659
	CONTRACTOR TOTAL				1,676

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	GEORGETOWN UNIVERSITY	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 81
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	4,691
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,901
		STATE TOTAL			7,592
	GIORDANO ASSOCIATES INC	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	485
	GLOBAL INFO SYSTEMS TECHNOLGY	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	152
	GOODRICH B F COMPANY THE	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	190
	GORHAM ADVANCED MATERIALS INST	Maine	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	767
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	342
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	918
		STATE TOTAL			2,027
	GRUMMAN DATA SYSTEMS CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	119
	GT-TECH INC	Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	52
	GTE COMMUNICATION SYSTEMS CORP	Illinois	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	128
	GTE PRODUCTS CORP DEL CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	318
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	103
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
		STATE TOTAL			471
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	129
	CONTRACTOR TOTAL				600
	GULTON INDUSTRIES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	GUMBS ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	HARRIS CORPORATION	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,049
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	486
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,722
		STATE TOTAL			4,257
	HARVARD UNIV OFC SPONSORED PRO	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	HAZELTINE CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	375

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	HECHT-NIELSEN NEUROCOMPUTER	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 51
	HERCULES INCORPORATED	Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,208
	HEWLETT-PACKARD COMPANY	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	44
	HIGH TECHNOLOGY CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	HILTON SYSTEMS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,250
	HITTITE MICROWAVE CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	HONEYWELL INC	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	558
		Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	580
		Minnesota	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	6,251
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,835
		STATE TOTAL			10,086
		Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	82
	CONTRACTOR TOTAL				11,306
	HORIZONS TECHNOLOGY INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,719
	HORRIGAN ANALYTICS	Illinois	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
	HRB-SINGER INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,927
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	390
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,126
		STATE TOTAL			9,443
		New Mexico	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	CONTRACTOR TOTAL				9,643
	HUMAN FACTORS APPLICATIONS	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	HUMAN RSRCES RES ORGANIZATION	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	800
	HUTCHINSON F CANCER RESEARCH	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	317
	HY-TECH RESEARCH CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	344

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	HYPRES INC	New York	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$	765
	I A P RESEARCH INC	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		247
	I I T RESEARCH INSTITUTE	Illinois	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		140
		Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		123
	CONTRACTOR TOTAL					263
	I L C INDUSTRIES DELAWARE	Delaware	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		397
	I R T CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		239
	ICF INCORPORATED	Louisiana	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		99
	ILLINOIS INST OF TECHNOLOGY	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		351
	IMATRON, INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		184
	IMPLANT SCIENCES CORP	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		50
	INCREMENTAL SYS CORP	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		250
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		69
	STATE TOTAL					319
	INDIANA UNIVERSITY FOUNDATION	Indiana	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		190
	INFORMATION SYSTEMS LABS	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		106
	INSCOM ELECTRONICS CORP	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		40
	INSITEC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		49
	INSTITUTE FOREIGN PLCY ANLYS	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		192
		Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		250
	CONTRACTOR TOTAL					442
	INTEGRATED SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		120
	INTELLICORP	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,441
	INTELLIGENT SYSTEMS TECHNOL IN	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		200
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		389

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	INTERSCIENCE INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 58
	INTERSONIICS INC	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	176
	IRVINE SENSORS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	101
	ITT CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	306
		New Jersey	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	32
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	156
		STATE TOTAL			188
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	90
	CONTRACTOR TOTAL				584
	JAYCOR	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	10,172
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	315
		STATE TOTAL			10,487
		Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	482
		Miss	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	180
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,620
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,230
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	75
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	335
		STATE TOTAL			1,640
	CONTRACTOR TOTAL				14,409
	JES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	K M S FUSION INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	58
	KAISER AEROSPACE & ELEC CORP	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	360
	KAMAN SCIENCES CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,911
		Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	7,422
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	863

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 90
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,894
	CONTRACTOR TOTAL				15,180
	KARAGOZIAN & CASE	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	458
	KBM ENTERPRISES INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	486
	KEMP CORPORATION	Tennessee	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	KLEIN ASSOCIATES INC	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	451
	KNOLL INTERNATIONAL HOLDINGS	Indiana	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	120
	KNOWLEDGE SYSTEMS CONCEPTS	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	558
	KOPIN CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	351
	KRUG INTERNATIONAL CORPORATION	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,110
	KTECH CORPORATION	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	91
	L B & M ASSOCIATES INC	Oklahoma	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	L J F CORP	New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	L. N. K. CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	81
	LA JOLLA INSTITUTE	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	63
	LAGUNA RESEARCH LABS	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	525
	LEWIS BROTHERS STAGES INC	Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	592
	LITTLE ARTHUR D INC	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	406
	LITTON INDUSTRIES INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	46
		Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,671
	CONTRACTOR TOTAL				2,717
	LITTON SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	140
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	394
		STATE TOTAL			834

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	LOCKHEED CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 150
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	806
		STATE TOTAL			956
		Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,830
	CONTRACTOR TOTAL				4,786
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	10,505
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	175
		STATE TOTAL			10,680
		Nevada	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	767-
	CONTRACTOR TOTAL				9,913
	LOCUS INC	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
		Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,332
		Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	373
	CONTRACTOR TOTAL				3,745
	LOGICA SPACE & DEFENSE SYS LTD	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	260
	LOGICON INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,996
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	815
		STATE TOTAL			4,811
		Nebraska	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,136
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	147
	CONTRACTOR TOTAL				8,094
	LORAL CORPORATION	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	395
		Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,818
	CONTRACTOR TOTAL				4,213
	LORAL ELECTRO-OPTICAL SYSTEMS	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	271
	LOS ALAMOS TECHNICAL ASSOC INC	New Mexico	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	LOUISIANA STATE UNIVERSITY	Louisiana	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	105

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD92 (CONTINUED)						
	LSI INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$	1,190
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		1,824
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		723
		STATE TOTAL				2,547
		Wisconsin	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		39
	CONTRACTOR TOTAL					2,586
	LTV CORPORATION	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		60
	LUCAS CONSULTING	Colorado	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		30
	M R J INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		537
	M S P CORPORATION	Minnesota	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		48
	M T L SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		180
	M/A COM LINKABIT INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		300
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		723
		STATE TOTAL				1,023
	M/A-COM INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		111
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		270
		STATE TOTAL				381
	M/A-COM PHI INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		113
	MAC AULAY-BROWN INC	Florida	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		369
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		647
	CONTRACTOR TOTAL					1,016
	MACHINE CRAFT INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		226
	MACHLETT LABORATORIES INC	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		35
	MACOM GOV SYSTEMS	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		278
	MACROMOLECULAR METERIAL INC	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		50
	MAGMA-SEAL INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP		49

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(AMOUNTS IN THOUSANDS)

AD92 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	MAGNAVOX GOVT & INDUST ELECTR	Indiana	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 1,131
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	252
		STATE TOTAL			1,383
	MANTECH INTERNATIONAL CORP	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	4,315
	MARK RESOURCES INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	348
	MARKO MATERIALS INC	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
	MARQUARDT COMPANY THE	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	265
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	6,072
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	257
		STATE TOTAL			6,329
		Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	7,334
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	25
		STATE TOTAL			7,359
		Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,200
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	517
		STATE TOTAL			2,717
	CONTRACTOR TOTAL				16,405
	MASCON ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	359
	MASSACHSTTS INST OF TCHNOLOGY	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	724
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	940
		STATE TOTAL			1,664
	CONTRACTOR TOTAL				1,714
	MASSACHUSETTS UNIVERSITY OF	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,877
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	570
		STATE TOTAL			2,447
	MATERIALS SCIENCE CORP	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	MAXIM TECHNOLOGIES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	589

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 453
	CONTRACTOR TOTAL				1,042
	MAXWELL LABORATORIES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	28,677
		New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	229
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,018
	CONTRACTOR TOTAL				29,924
	MAYO FOUNDATION	Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	14
	MC DONNELL DOUGLAS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,832
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
		STATE TOTAL			1,922
		Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	95
		Missouri	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,716
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	364
	CONTRACTOR TOTAL				8,097
	MC LEAN RESEARCH CENTER INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	143
	MECHANICAL TECHNOLOGY INC	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	708
	MEDIA CYBERNETICS INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	217
	MEI ASSOCIATES INCORPORATED	Mass	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	147
	MEMBRANE TECHNOLOGY & RES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	56
	MENTOR TECHNOLOGIES INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	67
	MERRIFIELD LABORATORIES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	85
	MESA, INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	124
	METATECH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	802
	METCUT RESEARCH ASSOCIATES	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	786

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	METRATEK INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 551
	METRON INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
	METSAT INC	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	47
	MGMT INFO SYS	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	121
	MIAMI VALLEY RESEARCH INST	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	944
	MICROELECTRONICS	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,974
	MICROEXPERT SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	204
	MICROWAVE MODULE & DEVICES	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	56
	MID SOUTH OPT	Tennessee	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	25
	MIDWEST RESEARCH INSTITUTE	Missouri	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	27
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	STATE TOTAL				227
	MIDWEST SYSTEMS RESEARCH INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	426
	MINE SAFETY APPLS COMPANY	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	64
	MINNESOTA MIN & MFG COMPANY	Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	90
	MISSION GORGE RANGE CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	10,986
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	375
	STATE TOTAL				11,361
		Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
		N.H.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	53
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	103
	CONTRACTOR TOTAL				11,717
	MISSISSIPPI STATE UNIVERSITY	Miss	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	315
	MOLDED FIBER GLASS COMPANIES	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	MOOG INC	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	112

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	MORTON THIOKOL INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 2,081
		Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	CONTRACTOR TOTAL				2,181
	MOTOROLA INC	Arizona	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	427
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	31
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
		STATE TOTAL			618
	MSNW INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	MUFFOLETTO OPTICAL CO INC	Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50-
	N K F ENGINEERING INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	400
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	550
	NATIONAL AIR SURVEY CENTER	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	32
	NATIONAL SECURITY RESEARCH	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	148
	NATIVE AMERICAN SERVICE ASSN	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,250
	NATL COUNCIL ON RAD PROTECTION	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	NETWORK SOLUTIONS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	974
	NEW YORK BLOOD CENTER INC	New York	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	265
	NEW YORK UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	NEWPORT ELECTRO OPTIC SYSTEMS	Florida	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	41
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,295
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	72
		STATE TOTAL			1,367
		New Mexico	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	429
	CONTRACTOR TOTAL				1,796
	NIELSEN ENGINEERING AND RES	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	38
	NORDEN SYSTEMS INC	Conn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	35

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 160
		STATE TOTAL			195
	NORTH AMERICAN PHILIPS CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	188
	NORTH CAROLINA A&T UNIV	N Carolina	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	184
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	184
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
		STATE TOTAL			484
	NORTH TEXAS STATE UNIVERSITY	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	90
	NORTHROP CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,418
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,824
		STATE TOTAL			4,242
		Illinois	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
	CONTRACTOR TOTAL				4,542
	NORTHWEST RESEARCH ASSOCIATES	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	400
	ODYSSEY RESEARCH ASSOCIATES	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	104
	OHIO STATE UNIVERSITY	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	426
		STATE TOTAL			476
	ONEIDA RESOURCES INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	154
	OPERATIONAL TECHNOLOGIES CORP	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	240
	OPTICAL COATING LABORATORY	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	153
	OPTIMETRICS INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	44
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	529
	CONTRACTOR TOTAL				573
	OPTRON SYSTEMS INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	75
	ORBITAL SCIENCES CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	6,128
	ORD INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	OREGON HEALTH SCIENCES UNIV	Oregon	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 186
	OVONIC IMAGING SYSTEMS INC	Michigan	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	39
	P C O INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	195
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	625
		STATE TOTAL			820
	P D A ENGINEERING	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,786
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
		STATE TOTAL			1,835
	PACER SYSTEMS INC	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	290
	PACIFIC SIERRA RESEARCH CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,162
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	627
	CONTRACTOR TOTAL				3,789
	PACIFICA TECHNOLOGY	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,896
	PALISADES INST FOR RES SVCS	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	374
	PAM RESEARCH COMPANY	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	80
	PAN AM WORLD SERVICES INC	Nevada	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	510
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,461
	PARASOFT CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	PATHOLOGY ASSOCIATES INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	55
	PENNSYLVANIA STATE UNIV THE	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	45
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
		STATE TOTAL			75
	PERCEPTRONICS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	20,241
		Michigan	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	277
	CONTRACTOR TOTAL				20,518
	PERKIN ELMER CORPORATION	Conn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	325

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	PHOTO METRIC INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 200
	PHOTON SCIENCES INC	Washington	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	29
	PHYSICAL OPTICS CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	161
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	193
		STATE TOTAL			354
	PHYSICAL RESEARCH INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,466
	PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	362
	PHYSICON INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	PHYSICS APPLICATNS IC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	10,517
	PIERCE JOHN B FOUNDATION LAB	Conn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	154
	PINSON ASSOCIATES INC	Texas	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	192
	PLANNING RESEARCH CORPORATION	Nebraska	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	263
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,691
	CONTRACTOR TOTAL				2,954
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	858
	PLASMA RESEARCH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	175
	PLASMATRON INC	New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	PLESSEY UK LIMITED	UNITED KIN	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	253
	POLYTECHNIC UNIV OF NEW YORK	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	790
	POTOMAC PHOTONICS INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	POTOMAC WATERS	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	41
	PROPULSION SCIENCE & TECHNOL	New Jersey	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	202
	PROSPECTIVE COMPUTER ANALYSTS	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	301
	PULSE SCIENCES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	742

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	PYMATUNING GROUP INC THE	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 340
	PYRAMID OPTICAL CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	42
	QUADREX CORPORATION	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	315
	QUALCOMM INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	353
	QUANSCAN INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	154
	QUANTEX CORPORATION	Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	308
	QUEST COMPANY	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	548
	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	69
		Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	702
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	61
		STATE TOTAL			763
	CONTRACTOR TOTAL				832
	QUESTECH INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	105
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	887
		STATE TOTAL			992
	R & D ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	13,290
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	447
		STATE TOTAL			13,737
		D.C.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
		GERMANY, F	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,344
	CONTRACTOR TOTAL				16,231
	R J O ENTERPRISES INC	Maryland	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
	R R C INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	105
	RACAL COMMUNICATIONS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	247
	RADAR GUIDANCE INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	52
	RADIAN CORPORATION	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	105

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	RAMCOR INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 50
	RAYTHEON COMPANY	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	942
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	83
		STATE TOTAL			1,025
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	47,687
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	309
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,538
		STATE TOTAL			49,534
		New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
		SPAIN	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	418
	CONTRACTOR TOTAL				51,025
	RAYTHEON SERVICE COMPANY	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	215
	RAYTHEON-NORTHRP INWS JNT VNTR	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	RCA CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	394
		New Jersey	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	264
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	235
		STATE TOTAL			499
		Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,075
	CONTRACTOR TOTAL				2,968
	REFRACTORY COMPOSITES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	45
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
		STATE TOTAL			145
	REGIS CHEMICAL CO	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	RENSSELAER POLYTECHNIC INST	New York	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	65
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	38
		STATE TOTAL			103
	RESEARCH ANALYSIS AND MAINT	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,437
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 199
		STATE TOTAL			399
	RESHET INC	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	RESOURCE ENGRG & PLANNING	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	69
	RIVERSIDE RESEARCH INSTITUTE	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	740
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	408
	CONTRACTOR TOTAL				1,148
	ROBERTS ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	ROCKWELL INTERNATIONAL CORP	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	591
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,328
		STATE TOTAL			2,919
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	319
	CONTRACTOR TOTAL				3,238
	ROHR INDUSTRIES INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	470
	ROME RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	27
	ROTHE DEVELOPMENTS INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	801
	RUPPRECHT & PATASHNICK CO INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	RUSH-PRESBYTERIAN ST LUKES MED	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	142
	S K W CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	54
	S S G INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	S W L INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	S Y CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	140
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,179
		Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,074
	CONTRACTOR TOTAL				2,253
	SAN JOSE STATE UNIVERSITY	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	120

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	SANDERS ASSOCIATES INC	N.H.	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 32-
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	801
		STATE TOTAL			769
	SANDLAPPER	S Carolina	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	SANGAMO WESTON INC	S Carolina	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	SATCON TECHNOLOGY CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	104
	SCHAFER W J ASSOCIATES INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,774
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	890
		STATE TOTAL			4,664
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,120
	CONTRACTOR TOTAL				7,784
	SCI TEC INC	New Jersey	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	75
	SCIENCE & ENGINEERING ASSOC	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
		New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	326
	CONTRACTOR TOTAL				377
	SCIENCE & TECHNOLOGY CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	999
	SCIENCE & TECHNOLOGY INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	83
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,246
		California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	10,557
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,954
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	407
		STATE TOTAL			12,918
		Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	299
		Georgia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	280
		New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	588
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
		STATE TOTAL			638

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 746
		Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
		Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	13,610
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	533
		STATE TOTAL			14,143
	CONTRACTOR TOTAL				30,300
	SCIENCE HORIZONS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	54
	SCIENCE RESEARCH LABORATORY	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	531
	SCIENTIFIC COMPUTING ASSOC	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	58
	SEARCH TECHNOLOGY INC	Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	350
	SEAVEY ENGINEERING ASSOCIATES	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
	SECURITY BUILDINGS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
	SEMETEX CORP	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	255
	SEMTEC INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	198
	SENSIS CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	460
	SHAKER RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	387
	SIGNAL RESEARCH CENTER INC	Illinois	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	377
	SIGNAL SCIENCE INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	94
	SIGNATECH INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	46
	SIGNATRON INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	29
	SILICON DESIGNS INC	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	275
	SIMULATION TECHNOLOGIES, INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	564
	SIMULATION TECHNOLOGY INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	321
	SINGER COMPANY THE	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,688
	SMALL BUS HIGH TECHNOLOGY INST	Arizona	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	SOCIETY OF AUTO ENGINEERS	Penn	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 50
	SOFTWARE ARCHITECTURE & ENGRG	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	721
	SOFTWARE OPTIONS INC	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	340
	SOFTWARE SYSTEMS DESIGN INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	124
	SOFTWARE TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	522
	SOHAR INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	138
	SOLAR TURBINES INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	144
	SONALYSTS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	111
	SOUTHEASTN CTR ELECTR ENG ED	Florida	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	518
	STATE TOTAL				568
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	441
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	97
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	975
	STATE TOTAL				1,513
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	183
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	229
	STATE TOTAL				412
	SPACE DATA CORPORATION	Arizona	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,270
	SPACE INSTRUMENTS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	189
	SPARTA INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,742
		Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	448
	CONTRACTOR TOTAL				2,190
	SPERRY CORPORATION	Alabama	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	101
		Minnesota	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,010
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	974
	CONTRACTOR TOTAL				2,085

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	SPIRE CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 118
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	7,669
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	223
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,991
		STATE TOTAL			13,883
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	117
		California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,950
	CONTRACTOR TOTAL				2,067
	SSDS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	890
	STAN MARTIN & ASSOC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	348
	STANFORD UNIVERTSITY	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	300
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,092
		STATE TOTAL			1,392
	STANLEY ASSOCIATES INC	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	160
	STAR MICROWAVE	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	441
	STATE UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	798
	STRATEGIC ANALYSIS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	SULLIVAN MINING CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	SUNDSTRAND CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	246
		Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	580
	CONTRACTOR TOTAL				826
	SUNOL SCIENCES CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
	SUPERCON INCORPORATED	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	SWERLING MANASSE & SMITH INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	98
	SYMBIOTICS INC	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	72
	SYMETRIX CORPORATION	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	SYNECTICS CORP	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	130

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	SYNERTECH ASSOCIATES, INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 781
	SYRACUSE RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	79
	SYRACUSE UNIVERSITY	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	6,711
	SYSCON CORPORATION	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	SYSTEM DEVELOPMENT CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,011
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	350
		STATE TOTAL			1,361
	SYSTEM DYNAMICS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,704
	SYSTEM ENGINEERING & DEV	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	SYSTEM INDUSTRIES, INC	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,477
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	79
		STATE TOTAL			1,556
	SYSTEMS PLANNING & ANALYSIS	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	11,601
		Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	718
	CONTRACTOR TOTAL				12,319
	SYSTEMS TECHNOLOGY INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	34
	SYSTRAN CORP	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,490
	T A I CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	49
	T S C INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	120
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	290
		STATE TOTAL			410
	TALLEY DEFENSE SYSTEMS INC	Arizona	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100
	TAU CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	170
	TAYLOR & DIVOKY INC	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	100

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	TECH REPS INCORPORATED	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 769
	TECHNICAL DIRECTION, INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	87
	TECHNICAL RESEARCH ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	362
	TECHNICAL SERVICES GROUP	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	75
	TECHNICO SOUTHWEST INC	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	155
	TECHNOLOGY DEVELOPMENT ASSOC	Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	155
	TECHNOLOGY INTERNATIONAL CORP	Mass	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	173
	TECHNOLOGY INTERNATIONAL INC	Louisiana	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	TECHNOLOGY MANAGEMENT CORP	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	68
	TELECMMUNICATION SCIENCE ASSOC	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	180
	TELEDYNE INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,896-
		California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	79
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	307
	CONTRACTOR TOTAL				1,510-
	TELEDYNE INDUSTRIES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,496
	TELEMECHANICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	156
	TELOS CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	38
	TERRA TEK INC	Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	716
	TETRA CORPORATION	New Mexico	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	98
	TEXAS A & M UNIV SYS THE	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	900
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	347
		STATE TOTAL			1,247
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,470
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	326
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,162
		STATE TOTAL			4,958

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 631
	TEXAS TECH UNIVERSITY	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,395
	TG BAUER ASS	Virginia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	387
	THE ARES CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	189
	THORN EMI TECHNOLOGY INC	Georgia	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	77
	TIME DOMAIN SYSTEMS, INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	TITAN CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	33
	TOOMAY MATHIS & ASSOCIATES	Montana	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	28
	TOYON RESEARCH CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,647
	TRACOR APPLIED SCIENCES INC	Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	310
	TRACOR INSTRUMENTS AUSTIN INC	Texas	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
	TREADWELL CORPORATION	Conn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	203
	TRIAD MICROSYSTEMS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	266
	TRICOR SYSTEMS INC	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	135
	TRW INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	4,322
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,287
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,230
		STATE TOTAL			6,839
		Georgia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	263
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	500
	CONTRACTOR TOTAL				7,602
	U S DEPARTMENT OF COMMERCE	Colorado	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
	UK SDIPO MINISTRY OF DEFENCE	UNITED KIN	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	196
	ULTRAMET	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	70
	ULTRASYSTEMS WESTERN CONSTRS	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	313
	UNDERGROUND SYSTEMS INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	65
	UNION CARBIDE CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	170

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	UNISYS CORPORATION	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 300
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	445
		Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	74
	CONTRACTOR TOTAL				819
	UNITED SPACE BOOSTERS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	118
	UNITED STATES DEPT ENERGY	Tennessee	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	UNITED TECHNOLOGIES CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	155
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,621
		STATE TOTAL			1,776
		Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	128
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	290
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	417
		STATE TOTAL			835
		Florida	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	5,657
		STATE TOTAL			5,907
	CONTRACTOR TOTAL				8,518
	UNIV CORP FOR ATMOSPHERIC RSC	Miss	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	479
	UNIVERSAL ANALYTICS INC	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	420
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	486
	UNIVERSAL TECHNOLOGY CORP	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	973
	UNIVERSAL VOLTRONICS CORP	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	280
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	3,302
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	77
		STATE TOTAL			3,379
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	103
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	150
		STATE TOTAL			253

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 175
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	181
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	52
		STATE TOTAL			408
	UNIVERSITY OF CENTRAL FLORIDA	Florida	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	116
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	UNIVERSITY OF DAYTON INC	Arizona	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,900
		Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	110
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	7,186
		STATE TOTAL			7,296
	CONTRACTOR TOTAL				9,196
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	491
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	51
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	120
		STATE TOTAL			662
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	55
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	228
		STATE TOTAL			283
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	163
	UNIVERSITY OF MARYLAND	Colorado	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	88
		Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	855
	CONTRACTOR TOTAL				943
	UNIVERSITY OF ROCHESTER	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	500
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,533
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	263
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	976
		STATE TOTAL			3,772
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	155
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	161
		STATE TOTAL			316

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
	UNIVERSITY OF UTAH	Utah	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 2,093
	UNIVERSITY OF VIRGINIA	Virginia	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	961
	UTAH BIOMEDICAL TEST LAB	Utah	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	52-
	UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,621
	UTD INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,690
	VANGUARD RESEARCH INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	148
	VARIAN ASSOCIATES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	34
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	180
		STATE TOTAL			214
	VECTOR MICRO	D.C.	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	40
	VECTOR RESEARCH INC	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	171
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	30
	VICOM SYSTEMS, INC	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	60
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	155
	VISTA CONTROLS INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	386
	VISTA RESEARCH	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	230
	VITESSE SEMICONDUCTOR	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	55
	VLSI DESIGN ASSOCIATES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	31
	VMS CONSULTING ENGINEERS	Oregon	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	400
	VREULS RESEARCH CORPORATION	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	99
	W S A INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	25
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	200
	WALLACE T H INC	Virginia	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	621
	WASHINGTON STATE UNIVERSITY	Washington	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	261
	WASHINGTON UNIVERSITY	Missouri	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	135
	WEIDLINGER ASSOCIATES INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	667

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD92 (CONTINUED)					
		New York	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	$ 1,154
	CONTRACTOR TOTAL				1,821
	WELCO INDUSTRIES INC	Ohio	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	48
	WESTERN INSTRUMENT CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	6,793
	WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	93
	WESTINGHOUSE ELECTRIC CORP	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	11,270
		Maryland	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,014
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,793
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,147
		STATE TOTAL			5,954
		Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	594
		Penn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	2,967
			NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	251
			USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,143
		STATE TOTAL			4,361
	CONTRACTOR TOTAL				22,179
	WILLIAMS INTERNATIONAL CORP	Michigan	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	501
	WINZEN INTERNATIONAL INC	Texas	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	56
	WOODS HOLE OCEANOGRAPHC INSTN	Mass	NAVY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	248
	WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	209
	WYLE LABORATORIES	California	USAF	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	209
	XEMET INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	470
	XEROX CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	1,726
	XOEUM INSUAREIWA INX	Illinois	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	XSIRIUS SCIENTIFIC INC	California	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	50
	YALE UNIVERSITY	Conn	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	250
	ZENITH ELECTRONICS CORPORATION	Michigan	ARMY	RDTE/OTHER DEFENSE - EXPLORATORY DEVELOP	336

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 808,689
AD93	A A I CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,229
	A T & T TECHNOLOGIES INC	N Carolina	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	8,729
	ABEX CORPORATION	New Jersey	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	600
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	169
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	430
		STATE TOTAL			599
	ADVANCED ELECTRO MAGNETICS	New Mexico	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	223
	ADVANCED SYSTEMS TECHNOLOGIES	Colorado	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	64
	ADVANCED TECHNOLOGY INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,250
	ADVANCES SYSTEMS ARCHITECT	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	425
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	AEROFLEX SYSTEMS	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	286
	AEROJET GENERAL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,796
	AEROLIFT INC	Oregon	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,325
	ALBANY INTERNATIONAL CORP	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	96
	ALLIED SIGNAL AEROSPACE CO	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,044
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	512
		STATE TOTAL			4,556
	ALPHATECH INC	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,062
	AMBER ENGINEERING INC	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	340
	AMERASIA TECHNOLOGY INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	AMERICAN HOECHST CORPORATION	New Jersey	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200
	AMERICAN RED CROSS, THE	D.C.	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,088
	ANALYSIS & TECHNOLOGY INC	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	572
	ANALYTIC SCIENCES CORP	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	15,084
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,210

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
		STATE TOTAL			$ 16,294
	ANALYTIC SERVICES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	5,392
	ANALYTICAL SYSTEMS ENGRG CORP	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	258
	ANSALDO SPA	ITALY	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	193
	APPLIED HYDRO-ACOUSTICS RES	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	29
	APPLIED MEASUREMENT SYSTEMS	Florida	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	992
	APPLIED RESEARCH INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,315
	APPLIED SCIENCES INC	Nebraska	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	82
	APPLIED TCHNLOGY ASSOC INC DEL	Penn	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	118
	AQUIDNECK SYSTEMS INTL	Rhode Isld	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	3,400
	ARIZONA STATE UNIVERSITY	Arizona	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	257
	ASTROSYSTEMS INC	Delaware	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,503
		Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,632
	CONTRACTOR TOTAL				4,135
	AUTOMETRIC INC	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
		New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	370
		Texas	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	574
		Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	490
	CONTRACTOR TOTAL				1,534
	AVCO CORPORATION	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	195
	AVCO RESEARCH LABORATORY INC	Hawaii	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	10,958
	AVTEC SYSTEMS	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	81
	B-K DYNAMICS INC	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	125
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	350

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
		STATE TOTAL			$ 475
	BALL AEROSPACE SYS DIV	Colorado	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	98
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	818
		STATE TOTAL			916
	BAYLOR UNIVERSITY	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	250
	BDM CORPORATION	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,015
		Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	3,422
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	138
		STATE TOTAL			3,560
	CONTRACTOR TOTAL				7,575
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	547
	BOEING COMPANY THE	Washington	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	512
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,109
		STATE TOTAL			4,621
	BOLT BERANEK & NEWMAN INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,087
		Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,219
	CONTRACTOR TOTAL				3,306
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	779
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	198
		STATE TOTAL			977
	BOSTON UNIVERSITY TRUSTEES OF	Mass	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	3,319
	BROGAN ASSOC INC	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	60
	BROWN UNIV PRV ST RI PLAN	Rhode Isld	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	300
	BRUNSWICK CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,078
	CALIFORNIA STATE UNIV - CHICO	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	104
	CARNEGIE-MELLON UNIVERSITY	Penn	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	40

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	CBI NA-CON INC	Illinois	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$	2,222
	CENTRAL BLOOD BNK OF PTTSBRGH	Penn	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		92
	CENTRE NATIONAL DETUDES SPATI	FRANCE	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		206
	CEXEC INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		199
	CLS LASER SYSTEMS INC	Conn	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		140
	COLLINS INTERNATIONAL SV CO	Iowa	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		378
	COLSA INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		149
	COLUMBIA UNIVERSITY	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		40
	COMPUTER SCIENCES CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,031
	CONTRAVES ITALIANA SPA	ITALY	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,842
	CONTROL DATA CORPORATION	Minnesota	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		331
	CORTANA CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		2,162
	CRAIG SYSTEMS CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		196
	CREARE, INC	N.H.	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		57
	DATATAPE INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		677
	DAVID SARNOFF RESEARCH LABS	New Jersey	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		222
	DBA SYSTEMS INC	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		415
	DCS CORPORATION	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		765
	DECISION SCIENCE CONSORTIUM	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		82
	DEFENSE GROUP, INC.	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,255
	DELPHI RESEARCH INC	New Mexico	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		56
	DELTA DATA SYSTEMS CORPORATION	Miss	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		146
	DIRECTED TECHNOLOGIES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		250
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		230
	STATE TOTAL					480

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	DISPLAYTECH INC	Colorado	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 200
	DORNIER SYSTEM GMBH	GERMANY, F	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	112
	DOVE ELECTRONICS INC	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	317
	DR MICHAEL GRIFFIN	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	125
	DRAPER CHARLES STARK LAB INC	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	7,807
	DUKE UNIV MED CENTER	N Carolina	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	154
	DUKE UNIVERSITY	N Carolina	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	46
	DUPONT AEROSPACE CO INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	554
	DYNAMIC SYSTEMS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	226
	DYNAMICS RESEARCH CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,627
		Michigan	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	941
	CONTRACTOR TOTAL				3,568
	E-SYSTEMS INC	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	13,188
	EASTMAN KODAK COMPANY	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,140
	ELECTRONIC ASSOCIATES INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
		New Jersey	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,467
	CONTRACTOR TOTAL				1,517
	ENERGY RESEARCH CORPORATION	Conn	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	900
	ENGINEERED AIR SYSTEMS INC	Missouri	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	564
	ENVIRON RSCH INST OF MICHIGAN	Michigan	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	604
	ENVIRONMENTAL SYSTEMS RES INST	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	41
	EPOCH ENGINEERING INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,557
	ESL INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	27
	ETA TECHNOLOGIES CORP	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	255
	EXCELCO DEVELOPMENT INC	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	95
	FAILURE ANALYSIS ASSOCIATES	Washington	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	FELCORP	Florida	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 100
	FIBER MATERIALS INC	Maine	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,661
	FLORIDA STATE UNIV NOT INC	Florida	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	95
	FMC CORPORATION	Minnesota	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,331
	FORD AEROSPACE	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	125
	FOSTER-MILLER INC	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	62-
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	138
		STATE TOTAL			76
	FRIED D L ASSOCIATES INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	237
	G & F CO'	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,634
	GA TECHNOLOGIES INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	647
	GENCORP INC	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	130
	GENERAL APPLIED SCIENCE	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,350
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	669
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	250
		STATE TOTAL			919
		Texas	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	565
	CONTRACTOR TOTAL				1,484
	GENERAL ELECTRIC COMPANY	Arizona	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	456
		New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	3,500
		Penn	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	9,600
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,972
		STATE TOTAL			11,572
	CONTRACTOR TOTAL				15,528
	GENERAL RESEARCH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	901
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	716
		STATE TOTAL			1,617

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 98
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	178
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	302
		STATE TOTAL			578
	GOULD INC	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,237
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	17,000
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,526
		STATE TOTAL			19,526
	GRUMMAN DATA SYSTEMS CORP	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	400
	GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
		Colorado	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	752
	CONTRACTOR TOTAL				852
	HAMPSHIRE INSTRUMENTS INC	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	265
	HARRIS CORPORATION	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	3,601
	HARRIS, GROUP THE, INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	974
	HARVARD COLLEGE	Mass	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	592
	HELIOS INCORPORATED	Colorado	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	701
	HERCULES INCORPORATED	Utah	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	930
	HERNANDEZ ENGINEERING INC	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	147
	HONEYWELL INC	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	225
		Mass	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	60
		Minnesota	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	41
	CONTRACTOR TOTAL				326
	HOPPMANN CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	71
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,755
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	80
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	8,192
		STATE TOTAL			11,027

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	HUGHES ASSOCIATES INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 1,117
	HYPRES INC	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	738
	I A P RESEARCH INC	Ohio	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	343
	I I T RESEARCH INSTITUTE	Colorado	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
		Maryland	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	112
		Nebraska	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	95
		New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	370
		Penn	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	627
	CONTRACTOR TOTAL				1,254
	I R T CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	210
	ILLINOIS INST OF TECHNOLOGY	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	40
	INTEGRATED SOFTWARE INC	Florida	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	180
	INTERMAGNETICS GENERAL CORP	New York	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	STATE TOTAL				100
	ISRAEL AIRCRAFT INDS INTL	ISRAEL	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	16,480
	ISREALI MINISTRY OF DEFENSE	ISRAEL	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	5,000
	ITE INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,457
	ITT CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	340
		New Jersey	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	54
		Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
	CONTRACTOR TOTAL				494
	JAMIESON SCIENCE & ENGINEERING	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	900
	KAMAN SCIENCES CORPORATION	Colorado	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	715
	KBM ENTERPRISES INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	273
	KESTREL INSTITUTE	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	279

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	KNOWLEDGE SYSTEMS CONCEPTS	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$	485
		New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		170
		Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		125
		Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		512
	CONTRACTOR TOTAL					1,292
	KOLLMORGEN CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,752
	LITTON INDUSTRIES INC	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,777
	LITTON SYSTEMS INC	Maryland	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		44
		Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		51
	CONTRACTOR TOTAL					95
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		800
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		300
	STATE TOTAL					1,100
	LOGICON INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		113
	LORAL CORPORATION	Ohio	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		2,470
	LOUISIANA STATE UNIVERSITY	Louisiana	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		100
	LSI INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		498
	LTV AEROSPACE & DEFENSE CO	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		14,648
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		418
	STATE TOTAL					15,066
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		280
	MACHINE CRAFT INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		263
	MANAGEMENT CONSULTING & RES	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		139
	MANTECH INTERNATIONAL CORP	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		64
	MAR INCORPORATED	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		2,084
	MARQUARDT COMPANY THE	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,808

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	MARTIN MARIETTA CORPORATION	Colorado	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 19,745
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,224
		STATE TOTAL			20,969
		Florida	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	366
	CONTRACTOR TOTAL				21,335
	MASSACHSTTS INST OF TCHNOLOGY	Mass	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,000
	MC DONNELL DOUGLAS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	32,540
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	85
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	471
		STATE TOTAL			33,096
		Missouri	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	450
	CONTRACTOR TOTAL				33,546
	MC DONNELL DOUGLAS INCO INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	335
	MERIT TECHNOLOGY INC	Texas	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	300
	MESSERSCHMITT-BOTKOW-BLOHM	GERMANY, F	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	23,049
	MIDWEST BIOLASER INSTITUTE	Illinois	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	490
	MINE SAFETY APPLS COMPANY	Penn	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	159
	MINNESOTA MIN & MFG COMPANY	Minnesota	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	75
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,055
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	135
		STATE TOTAL			1,190
	MURDOCK INC	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	74
	NATIONAL ACADEMY SCIENCES USA	D.C.	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	627
	NATIVE AMERICAN SERVICE ASSN	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	300
	NICHOLS RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,299
		New Mexico	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	155
	CONTRACTOR TOTAL				1,454

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	NORDAM	Oklahoma	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 938
	NORTH CAROLINA STATE UNIV	N Carolina	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	250
	NORTHROP CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	599
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,285
		STATE TOTAL			1,884
	OCEAN DATA SYSTEMS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	295
	ODYSSEY RESEARCH ASSOCIATES	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,696
	OPTICAL COATING LABORATORY	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	31-
	ORION INTL TECHNOLOGIES	New Mexico	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	250
	ORTEL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	267
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,927
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,602
		Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	90
	CONTRACTOR TOTAL				4,692
	PARKER KINETIC DESIGNS INC	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	368
	PARSONS RALPH M COMPANY THE	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,963
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200
	PERKIN ELMER CORPORATION	Conn	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	95
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	690
		STATE TOTAL			785
	PHOTON RESEARCH ASSOCIATES	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	213
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	99
	PLANNING RESEARCH CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	560
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,505
	PLESSEY AEROSPACE LTD	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	573
	POLARIS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,910
	PUGET SOUND BLOOD CENTER	Washington	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	70

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	R & D ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 150
	R J O ENTERPRISES INC	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	5,549
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
		STATE TOTAL			5,649
	RAYTHEON COMPANY	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,717
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	83
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,288
		STATE TOTAL			5,088
	RAYTHEON SERVICE COMPANY	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	34
	RCA CORPORATION	New Jersey	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,563
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	350
		STATE TOTAL			1,913
	REGENTS OF THE UNIV OF CA	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	336
	RESEARCH TRIANGLE INSTITUTE	N Carolina	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	486
	RIVERSIDE RESEARCH INSTITUTE	New York	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	18,997
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,119
		STATE TOTAL			21,116
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	10,499
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	63
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,427
		STATE TOTAL			14,989
	S S G INC	Mass	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	545
	SACLANT ASW RESEARCH CENTER	ITALY	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	37
	SAFT AMERICA INC	Maryland	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	144
	SAN JOSE STATE UNIVERSITY	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	197
	SANDERS ASSOCIATES INC	N.H.	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	150
	SCHAFER W J ASSOCIATES INC	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,195

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	SCIENCE & TECHNOLOGY ASSOC	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$	117
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		270
		Arizona	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		4,014
		California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		8,938
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,517
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		863
		STATE TOTAL				11,318
		Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		789
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		47
		STATE TOTAL				836
	CONTRACTOR TOTAL					16,438
	SELENIA INDUSTRIE ELETTRONICHE	ITALY	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		741
	SELENIA INDUSTRIES ELTTRONICHE	ITALY	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		1,011
	SIMULATION TECHNOLOGIES, INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		169
	SIPPICAN INC	Mass	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		457
	SOFTWARE PRODUCTIVITY SOLUTNS	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		530
	SOL TELECOMMUNICATION SERVICE	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		198
	SOLAR REACTOR TECHNOLOGY INC	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		100
	SONALYSTS INC	Conn	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		191
	SOREG NEUCLEAR RESEARCH CENTER	ISRAEL	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		600
	SOUTHEASTN CTR ELECTR ENG ED	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		69
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		35-
	SPACE POWER INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		728
	SPACE SERVICES INC AMER	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		300
	SPARTA INC	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		3,183
	SPERRY CORPORATION	Minnesota	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		307

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

AD93 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
		New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 1,486
		Utah	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	221
	CONTRACTOR TOTAL				2,014
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	125
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	628
		STATE TOTAL			753
	SRS TECHNOLOGIES	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	5,818
	STANFORD TELECOMMUNICATIONS	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	577
	STANFORD UNIVERTSITY	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	270
	STATE UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	SWISS PRODUCTS INC	New Jersey	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	52
	SYNECTICS CORP	Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	512
	SYNTEK ENGRG COMPUTER SYSTEMS	Maryland	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	396
	SYRACUSE RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	883
	SYRACUSE UNIVERSITY	New York	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	75
	SYSTEM DEVELOPMENT CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,129
	SYSTEM DYNAMICS INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	117
		Florida	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	33
	CONTRACTOR TOTAL				150
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	489
	SYSTEMS ANALYSIS INTERGRATION	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	128
	SYSTEMS EXPLORATION INC	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	225
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,291
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,771
	SYTEK INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	179

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	TECHNOLOGY ASSESMENT & TRANSF	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 90
	TECOGEN INC	Mass	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	103
	TEKNOWLEDGE INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	2,834
	TEXAS A & M UNIV SYS THE	Texas	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	94
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	601
		STATE TOTAL			695
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	6,097
	THE ARES CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	250
	THERMACORE INC	Penn	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	161
	TIL DEFENSE SYSTEMS	ISRAEL	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	244
	TINSLEY LABORATORIES INC	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	508
	TRW INC	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	5,716
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	100
		STATE TOTAL			5,816
		Virginia	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	245
	CONTRACTOR TOTAL				6,061
	TULANE UNIVERSITY	Louisiana	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	50
	U S DEPARTMENT OF COMMERCE	D.C.	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,809
	UNITED KINGDOM MINISTRY OF DEF	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	3,350
	UNITED STATES DEPT ENERGY	Washington	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,596
	UNIV CORP FOR ATMOSPHERIC RSC	Miss	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	200
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	289
	UNIVERSITY OF ALASKA	Alaska	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	76
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	29
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	289

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AD93 (CONTINUED)						
	UNIVERSITY OF CHICAGO THE	Illinois	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$	375
	UNIVERSITY OF COLORADO	Colorado	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		105
	UNIVERSITY OF DAYTON INC	Arizona	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		544
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		500
	UNIVERSITY OF ILLINOIS	Illinois	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		100
	UNIVERSITY OF KENTUCKY	Kentucky	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		262
	UNIVERSITY OF MICHIGAN	D.C.	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		44
		Michigan	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		98
	CONTRACTOR TOTAL					142
	UNIVERSITY OF MINNESOTA	Minnesota	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		267
	UNIVERSITY OF NORTH CAROLINA	N Carolina	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		40
	UNIVERSITY OF PENNSYLVANIA	Penn	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		360
	UNIVERSITY OF SOUTH FLORIDA	Florida	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		375
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		300
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		70
		STATE TOTAL				370
	UNIVERSITY OF UTAH	Utah	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		621
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		58
	URS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		20
	UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		750
			NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		245
		STATE TOTAL				995
	VEDA INCORPORATED	Florida	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		10-
		Ohio	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		116
	CONTRACTOR TOTAL					106
	VERAC INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT		427

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD93 (CONTINUED)					
	WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	$ 827
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	150
			USAF	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	4,027
		STATE TOTAL			4,177
	XERAD INC	California	ARMY	RDTE/OTHER DEFENSE - ADVANCED DEVELOPMENT	1,000
R&D TOTAL					512,142
AD94	A A I CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	934
	A E C DESIGN	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	110
	ADVANCED DECISION SYSTEMS	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	857
	ALLIED SIGNAL INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,059
	ALPHATECH INC	Mass	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	73
	ANA TIC SCIENCES CORP	Florida	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	554
	ANALYTICAL SYSTEMS ENGRG CORP	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	607
		Florida	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	410
		Mass	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	182
	CONTRACTOR TOTAL				1,199
	AUGUST DESIGN AND DEVELOPMENT	Penn	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	100
	BALL CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,170
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	30
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	65
		STATE TOTAL			95
	BDM CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	340
	BENDER SHIPBUILDING & REPR CO	Alabama	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,148
	BERKELEY RESEARCH ASSOCIATES	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	200
	BETAC CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	107
	BOOZ ALLEN & HAMILTON INC	Maryland	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	42

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD94 (CONTINUED)					
		New Mexico	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	$ 135
	CONTRACTOR TOTAL				177
	BROWN DAYTON T INC	New York	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	79
	BRUNSWICK CORPORATION	Florida	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	519
	CALSPAN CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	48
	CANADIAN COMMERCIAL CORPORATN	CANADA	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	280
	CATALYST RESEARCH CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	141
	CHAMBERLAIN MANUFACTURING CORP	Maryland	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,296
	CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	261
	CICCONE V J & ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	350
	COLLINS INTERNATIONAL SV CO	Iowa	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	271
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	77,882
	STATE TOTAL				78,153
	COMAR INC	Texas	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	32
	COMPUTER SCIENCES CORPORATION	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	89
	DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	588
	DEFENSE RESEARCH TECHNOLOGIES	Maryland	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	410
	DIGICOMP RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	508
	DURODYNE INC	Arizona	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,998
	E-SYSTEMS INC	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	510
	EASTPORT INTERNATIONAL INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	291
	EATON CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	134
	ELECTRONIC ASSOCIATES INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	75
	ESSEX CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	95
	FAIRCHILD WESTON SYSTEMS INC	New York	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,440

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(AMOUNTS IN THOUSANDS)

AD94 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	FLIGHT SYSTEMS INC	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	$ 65
	G K Y & ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	130
	GAERTNER W W RESEARCH INC	Conn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	70
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	978
		Missouri	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	504
	CONTRACTOR TOTAL				1,482
	GENERAL DYNAMICS WESTNGHSE JV	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	6,000
	GENERAL ELECTRIC COMPANY	Maryland	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	211
		New Jersey	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	125
	CONTRACTOR TOTAL				336
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	450
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	230
	STATE TOTAL				680
	GNOSTECH INC	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	150
	GRASEBY DYNAMICS LTD	UNITED KIN	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	200
	GRUMMAN AEROSPACE CORPORATION	New York	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	316-
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	141
	STATE TOTAL				175-
	HERCULES INCORPORATED	Florida	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	800
	HOWDEN COLONEY INC	Florida	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	357
	HRB-SINGER INC	Penn	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	175
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	7,154
	I R T CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	50
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	49
	INTERMETRICS INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,057
		Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	350

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD94 (CONTINUED)					
	CONTRACTOR TOTAL				$ 1,407
	ITT CORPORATION	Indiana	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	77
	JAYCOR	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	592
		Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	71
	CONTRACTOR TOTAL				663
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	524
	KNOWLEDGE SYSTEMS CONCEPTS	New York	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	118
	KOHLBERG & ASSOCIATES	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	150
	LITTON SYSTEMS INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	130
		Iowa	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	73
	CONTRACTOR TOTAL				203
	LOCKHEED CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	50
		Georgia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	524
	CONTRACTOR TOTAL				574
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,502
	LOCUS INC	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	519
	LOGICON INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	410
	LSI INC	Alabama	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	383
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	635
	MARTIN MARIETTA CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	575
		Colorado	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	90
		Florida	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	350
		Maryland	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	4,465
		Nebraska	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	889
		New York	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	239

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD94 (CONTINUED)					
		Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	$ 1,164
		Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	200
	CONTRACTOR TOTAL				7,972
	MARTIN-BAKER AIRCRAFT CO LTD	GABON	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	3,776
		UNITED KIN	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,976
	CONTRACTOR TOTAL				6,752
	MC DONNELL DOUGLAS INCO INC	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	102
	MERIT TECHNOLOGY INC	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	78
	METRON INC	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	65
	MINE SAFETY APPLS COMPANY	Penn	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	69
	MORGAN LEWIS & BOCKIUS	Texas	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	112
	PAR TECHNOLOGY CORPORATION	Colorado	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	470
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	40
	PLAS TOOL CO	Illinois	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	350
	RAYTHEON COMPANY	Mass	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	107
	RAYTHEON SERVICE COMPANY	Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	215
	RCA CORPORATION	New Jersey	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	120
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	950
		STATE TOTAL			1,070
	RICHARDS CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	125
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	228
		Iowa	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	948
	CONTRACTOR TOTAL				1,176
	ROTHE DEVELOPMENTS INC	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	34
	SCI TEC INC	New Jersey	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	535

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD94 (CONTINUED)					
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	$ 75
		Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	543
		Virginia	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	98
	CONTRACTOR TOTAL				716
	SCOPE INCORPORATED	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	150
	SEARCH TECHNOLOGY INC	Georgia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	418
	SINGER COMPANY THE	Arkansas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	150
		Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	25,989
	CONTRACTOR TOTAL				26,139
	SOFTECH INC	Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	5,775
	SOLAR TURBINES INCORPORATED	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	231
	SONALYSTS INC	Conn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	87
	SOUTHERN RESEARCH INSTITUTE	Alabama	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	80
	SOUTHWEST AEROSPACE CORP	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	152
	SOUTHWEST RESEARCH INSTITUTE	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	54
	SPARTA INC	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	48
	SPARTON CORPORATION	Michigan	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	747
	SPERRY CORPORATION	Minnesota	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,900
		New York	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	4,369
		Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,297
	CONTRACTOR TOTAL				9,566
	SRI INTERNATIONAL	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	539
	STV ENGINEERS INC	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	38
	SYRACUSE UNIVERSITY	New York	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	56
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	3,522

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD94 (CONTINUED)					
	TETRA TECH DATA SYSTEMS INC	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	$ 39
	TEXAS A & M UNIV SYS THE	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	197
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	360
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,885
		STATE TOTAL			2,245
	TRW INC	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	7,531
			USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,918
		STATE TOTAL			10,449
		Mass	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	14,627
		Virginia	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	1,254
	CONTRACTOR TOTAL				26,330
	UNISYS CORPORATION	Alabama	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	403
	UNITED TECHNOLOGIES CORP	California	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	92
		Florida	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	300
	CONTRACTOR TOTAL				392
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	193
	UNIVERSITY OF TENNESSEE	Tennessee	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	128
	VERAC INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	399
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	225
	VITRO CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	72
	VREULS RESEARCH CORPORATION	California	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	130
	WAGNER DANIEL H ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	114
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	941
	XEROX CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	2,102
	ZEROONE SYSTEMS INC	Texas	USAF	RDTE/OTHER DEFENSE - ENGINEERING DEVELOP	394
R&D TOTAL					224,002

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD95	ADAPTIVE OPTICS ASSOCIATES INC	Mass	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	$ 252
	AERODYNE RESEARCH INC	Mass	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	97
	AEROJET ELECTROSYSTEMS CO	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	111,654
	AETECH INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	243
	ALESAT CORPORATION	Ohio	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	600-
	AMERICAN SATELLITE COMPANY	Maryland	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	79
	ANALYTICAL SYSTEMS ENGRG CORP	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	124
		Mass	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,084
	CONTRACTOR TOTAL				1,208
	APPLIED RESEARCH INC	Alabama	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	244
	ARGOSYSTEMS INC	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	628
	ARINC RESEARCH CORPORATION	Maryland	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	555
	ASCHKENASY ERNEST INC	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	260
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	49
	AVCO CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	43
	BDM MANAGEMENT SERVICES CO	Texas	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,924
	BERKELEY RESEARCH ASSOCIATES	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	490
	CACI INTERNATIONAL INC	D.C.	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,057
		Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	187
	CONTRACTOR TOTAL				1,244
	CALSPAN CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	157
	CHAMBERLAIN MANUFACTURING CORP	Illinois	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	453-
	CLEMSON UNIVERSITY	S Carolina	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	645
	COCKERHAM JOHN M & ASSOCIATES	New Jersey	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	390
	COMPUTER SCIENCES CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,561
			NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	220
	STATE TOTAL				2,781

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD95 (CONTINUED)					
	CORPORATION OF MERCER UNIV	Georgia	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	$ 1,383
	DYNAMICS RESEARCH CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	81
	E G G WASH ANALYTICAL SVCS CTR	Conn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	100
	EATON CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	54
	ESL INCORPORATED	California	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	5,635
	EXCELCO DEVELOPMENT INC	New York	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	31
	EXECUTIVE RESOURCE ASSOCIATES	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	421
	FASTMAN INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	297
	FORD AEROSPACE	Colorado	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,130
	G R D INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	62
	GALAXY SCIENTIFIC	New Jersey	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	192
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	152
	GNOSTECH INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	160
	GTE PRODUCTS CORP DEL CORP	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	37
	H F SCIENTIFIC INC	Florida	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	227
	HARRIS CORPORATION	Florida	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	197
	HUDSON INSTITUTE INC	Indiana	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	15,999
		Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	3,985
	CONTRACTOR TOTAL				19,984
	I I T RESEARCH INSTITUTE	Maryland	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	564
	INTERMETRICS INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	805
	INTERSPEC INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	50
	K F O ASSOCIATES INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	135
	KETRON INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	674
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	203
	KNOWLEDGE SYSTEMS CONCEPTS	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	194

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD95 (CONTINUED)					
	LARGO SCIENTIFIC INC	Florida	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	$ 50
	LORAL CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	161
	M/A-COM PHI INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	260
	MACHINE CRAFT INC	Alabama	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	58
	MANAGEMENT CONSULTING & RES	Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	80
	MANAGMENT ASSISTANCE CORP AMER	New Mexico	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	93
	MARTIN MARIETTA CORPORATION	Florida	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	205
	MAYFLOWER COMMUNICATIONS	Wisconsin	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	120
	MC DONNELL DOUGLAS INCO INC	Virginia	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	3,225
	MC LEAN RESEARCH CENTER INC	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	128
	MINE SAFETY APPLS COMPANY	Penn	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	449
	MORTON THIOKOL INC	Alabama	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	241
	NATIONAL ACADEMY SCIENCES USA	D.C.	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	811
	NORTH TEXAS STATE UNIVERSITY	Texas	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	50
	ODYSSEY RESEARCH ASSOCIATES	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,410
	PAR TECHNOLOGY CORPORATION	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	817
	PEABODY BARNES INC	Ohio	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	132
	PEM-SOFTWARE INC	Oklahoma	OCE	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	40
	PHYSICS INTERNATIONAL COMPANY	California	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,756
		Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,584
	CONTRACTOR TOTAL				4,340
	PIEZO TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	53
	QUANTICS INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	145
	QUEST RESEARCH CORPORATION	Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	395
	RCA CORPORATION	New Jersey	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	303

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD95 (CONTINUED)					
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	$ 49
	RESOURCE CONSULTANTS INC	Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	103
	SANDERS ASSOCIATES INC	N.H.	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	498
	SCIENCE & TECHNOLOGY CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	551
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	284
		Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	54
			USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	338
		STATE TOTAL			392
	CONTRACTOR TOTAL				676
	SCIENTIFIC MGT ASSOCIATES	New Jersey	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	100
	SIGNATRON INC	Mass	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	215
	SIMULATION TECHNOLOGIES, INC	Alabama	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	265
	SIOA INC	Illinois	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	131
	SOL TELECOMMUNICATION SERVICE	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	198
	SONALYSTS INC	Conn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	49
	SOUTHWEST AEROSPACE CORP	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	87
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,209
	STANLEY ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	45
	STATE UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	84
	SYNERGY INC	D.C.	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	212
	SYNETICS CORPORATION	Mass	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	243
	SYRACUSE UNIVERSITY	New York	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	40
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,084
	TARTAN LABORATORIES INC	Penn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	645
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	2,811

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD95 (CONTINUED)					
	TRACOR APPLIED SCIENCES INC	Texas	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	$ 250
	TRW INC	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	199
	UNION CARBIDE CORPORATION	Washington	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	350
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,000
	UNIVERSITY OF MICHIGAN DEARBO	Michigan	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	350
	VANTAGE ASSOCIATES INC	California	ARMY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	100
	VEDA INCORPORATED	Penn	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	574
	VERAC INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,021
	VITRO CORPORATION	Maryland	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	193
	WALLACE T H INC	Florida	USAF	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	1,618
	WESTEC SERVICES INC	California	NAVY	RDTE/OTHER DEFENSE - OPER SYSTEMS DEVELOP	40
R&D TOTAL					185,214
AD96	A P A OPTICS INC	Minnesota	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	ADVANCED DECISION SYSTEMS	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	47
	ADVANCED FUEL RESEARCH INC	Conn	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	137
	ADVANCED TECHNOLOGY INC	Alabama	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	51
		Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,035
			NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	496
	STATE TOTAL				1,531
	CONTRACTOR TOTAL				1,582
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	149
	AMERICAN ELECTRONICS INC	Maryland	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	47
	AMERICAN RES CORP VIRGINIA	Virginia	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	330
	ANALYSIS & MEASUREMENT SVS	Tennessee	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	120
	ANALYTIC BIOPHYSICS	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
	ANALYTIC SCIENCES CORP	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	$ 92
	AOG SYSTEMS CORPORATION	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	100
	APPLICATIONS RESEARCH CORP	Ohio	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	48
	APPLIED LOGIC SYSTEMS INC	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	51
	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	116
	ASTROSYSTEMS INC	Delaware	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	325
	AUTOMATION RES SYSTEMS LTD	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,544
	BARKLEY APPLIED SCIENCE	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	48
	BBN COMMUNICATIONS CORP	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	314
	BDM CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	332
	BELL CHEMICAL RESEARCH INC	Colorado	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	288
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,916
	BRAIDTECH INC	Penn	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	BUSINESSLAND INC	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	59
	CACI INTERNATIONAL INC	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	500
	CENTURY COMPUTING INC	Maryland	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	52
	CHARLES RIVER ANALYTICS INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	CLARK SHARON ASSOC INC	Washington	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	279
	COCKERHAM JOHN M & ASSOCIATES	Alabama	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,310
	COHERENT INC	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	44
	COLLINS INTERNATIONAL SV CO	Idaho	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	334
	CORDRAY INTERNATIONAL CORP	Colorado	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	62
	CORIOLIS CORPORATION	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	400
	CRAIG DEVELOPMENT CORP	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	120

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
	CREE RESEARCH INC	N Carolina	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	$ 45
	CRITES ENTERPRISES	Missouri	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	100
	CRYSTAL SYSTEMS INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	CRYSTALLUME	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	114
	CUSTOM EMBLEM PRODUCTS	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	479
	DATA	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	130
	DAYCHEM LABORATORIES INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	52
	DEFENSE SYSTEMS INC	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	33
	DYNAMICS RESEARCH CORPORATION	Mass	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	644
	E A ENGNRING SCENCE TECHNOLOGY	Maryland	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	42
	ECODYNAMICS RESEARCH ASSOC INC	New Mexico	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	205
	EIDETICS INTERNATIONAL, INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	306
	ELECTRO-OPTEK CORPORATION	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	65
	ELECTRONIC DEVELOPMENT ASSOC	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	ENCORE CORPORATION	New Jersey	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	100
	ENVIRON RSCH INST OF MICHIGAN	Michigan	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	EPOLIN INC	New Jersey	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	71
	ESSEX CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	EXFLUOR RESEARCH CORPORATION	Texas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	EXPERT EASE SYSTEMS INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	FASTMAN INC	Penn	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	200
	FLOW INDUSTRIES INC	Washington	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	222
	FLUIDYNE ENGINEERING CORP	Minnesota	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	135
	FOSTER-MILLER INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	325
	GENERAL IMAGING CORP	Florida	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
	GEO-CENTERS INC	Mass	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	$ 55
			USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
		STATE TOTAL			104
	GUILD ASSOCIATES INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	HUDSON INSTITUTE INC	Indiana	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,057
	I I T RESEARCH INSTITUTE	Maryland	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	608
		New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	339
	CONTRACTOR TOTAL				947
	IMPLANT SCIENCES CORP	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	INDUSTRIAL QUALITY INC	Maryland	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	129
	INERTIA SWITCH INC	D.C.	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	844
	INSTITUTE FOR DEF ANALYSES	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	20,657
	INSULATING MATERIALS INC	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	69
	INTELLIGENT AUTOMATION SYS INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	46
	INTERMETRICS INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	490
	IONWERKS	Texas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	ISOTHERMAL SYS RESEARCH	Kentucky	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	KAHN HARRY J ASSOCIATES INC	New York	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	200
	KEYSTONE COMPUTER ASSOCIATES	Penn	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	113
	KJS ASSOCIATES	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	KLEIN ASSOCIATES INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	58
	LASER POWER CORP	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	40
	LASERGENICS CORPORATION	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	44
	LIGHTWAVE ELECTRONICS CORP	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	77
	LOCUS INC	Penn	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	283

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
		Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	$ 319
	CONTRACTOR TOTAL				602
	M/A COM LINKABIT INC	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	2,188
	MAC AULAY-BROWN INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	130
	MAYFLOWER COMMUNICATION CO	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	750
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	205
	MEGA RESEARCH INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	METCALF & EDDY INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	37
	MINOTAUR TECHNOLOGIES	Michigan	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	37
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,896
			USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	48
		STATE TOTAL			1,944
	MOLLER INTERNATIONAL INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	47
	MONAT ASSOCIATES	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	40
	MSNW INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	99
	MYSTECH ASSOCIATES INC	Conn	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	364
	NIELSEN ENGINEERING AND RES	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	136
	NORTHROP CORPORATION	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	180
	P D A ENGINEERING	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	148
	PACER SYSTEMS INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	250
	PERFORMANCE METRICS INC	Texas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	491
	PHOENIX METALLURGICAL INC	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	68
	PLANNING RESEARCH CORPORATION	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	932
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	60
	PRC PUBLIC MANAGEMENT SVS	Virginia	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	399

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
	R & D ASSOCIATES	California	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	$ 822
	R & E ELECTRONICS INC	N Carolina	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	38
	RAND CORPORATION	California	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	25,706
	RASOR ASSOCIATES, INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	150
	REMTECH INC	Alabama	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	95
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	64
	S T & E INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	SAN DIEGO SEMICONDUCTORS INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	125
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	1,434
			NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	100
			USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	285
		STATE TOTAL			1,819
		New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	200
		Virginia	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	27
	CONTRACTOR TOTAL				2,046
	SEES INC	Tennessee	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	235
	SEMCOR INC	New Jersey	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	287
	SERVIS DAVID A INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	55
	SIMULA INC	Arizona	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	251
	SOFTWARE PRODUCTS & SERV INC	New York	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	SOHAR INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	193
	SOUTHERN BIOTECHNOLOGY ASSOC	Alabama	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	361
	SPIRE CORPORATION	Mass	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	360
	SRS TECHNOLOGIES	Alabama	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	230
		California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	200
	CONTRACTOR TOTAL				430

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
	STANFORD UNIVERTSITY	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	$ 50
	STRATEGIC RESEARCH & MGT SVCS	Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	66
	SUMMIT ANALYTICAL SCIENCES INC	Colorado	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	SURFACE OPTICS CORP	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	SVERDRUP TECHNOLOGY INC	Tennessee	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	66
	SYRACUSE RESEARCH CORP	New York	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	147
	SYSCON CORPORATION	D.C.	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	2,451
		Rhode Isld	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	249
		Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	5,670
	CONTRACTOR TOTAL				8,370
	SYSTEMS CONTROL INC	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	318
	SYSTEMS PLANNING & ANALYSIS	Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	528
	SYSTEMS TECHNOLOGY/APPLIED RES	Kansas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	191
	SYSTRAN CORP	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	TECHPLAN CORP	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	254
	TERRA TEK INC	Utah	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	49
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	417
	THERMACORE INC	Penn	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	59
	TRANSFORM INDEX TECHNOLOGY INC	Texas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	256
	U S DEPARTMENT OF COMMERCE	D.C.	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	776
	ULTRAMET	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	130
	UNISYS CORPORATION	Penn	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	170
	UNITED TECHNOLOGIES CORP	Conn	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	193
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	53
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	92
	VERAC INCORPORATED	California	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	187

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AD96 (CONTINUED)					
	VERSAR INC	Virginia	NAVY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	$ 143
	VREULS RESEARCH CORPORATION	D.C.	ARMY	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	749
	ZEROONE SYSTEMS INC	Texas	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	ZYBRON INC	Ohio	USAF	RDTE/OTHER DEFENSE - MANAGEMENT & SUPPORT	50
	R&D TOTAL				93,722
AE16	AMERASIA TECHNOLOGY INC	California	NAVY	RDTE/EMPL GROWTH & PRODUCTIVITY-MGMT & SUP	322
AE22	HUMAN FACTORS APPLICATIONS	Penn	NAVY	RDTE/PRODUCT OR SVC IMPROVEMENT-EXP DEV	28
AE26	KINTON INC	Virginia	NAVY	RDTE/PRODUCT OR SVC IMPROVEMENT-MGMT & SUP	49
	SSUNNOL INC	Oklahoma	NAVY	RDTE/PRODUCT OR SVC IMPROVEMENT-MGMT & SUP	
	R&D TOTAL				49
AE33	METALWORKING INC	Penn	NAVY	RDTE/MANUFACTURING TECHNOLOGY - ADV DEV	1,500
AE35	APPLIED SOLAR ENERGY CORP	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	50
	AVCO CORPORATION	Mass	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	96
	BABCOCK & WILCOX COMPANY	Virginia	ARMY	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	377
	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	46
	BOEING COMPANY THE	Penn	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	339
	CHAMBERLAIN MANUFACTURING CORP	Illinois	ARMY	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	696
	CINCINNATI MILACRON INC	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	175
	DRAVO CORPORATION	Penn	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	741
	GA TECHNOLOGIES INC	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	400
	MECHANICAL TECHNOLOGY INC	New York	ARMY	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	53
			USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	287
		STATE TOTAL			340
	NATIONAL SEMICONDUCTOR CORP	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	50
	NORTH CAROLINA A&T UNIV	N Carolina	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	56

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AE35 (CONTINUED)					
	NORTHROP CORPORATION	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	$ 500
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	1,430
	SHULTZ STEEL CO INC	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	126
	SOUTHWEST RESEARCH INSTITUTE	Texas	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	300
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	1,576
	TELEDYNE INC	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	360
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	173
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	550
		Penn	ARMY	RDTE/MANUFACTURING TECHNOLOGY - OP SYS DEV	264
	CONTRACTOR TOTAL				814
	R&D TOTAL				8,645
AE36	APPLIED ELECTRONICS TECHNOLOGY	California	NAVY	RDTE/MANUFACTURING TECHNOLOGY - MGMT & SUP	105
	SYSCON CORPORATION	D.C.	NAVY	RDTE/MANUFACTURING TECHNOLOGY - MGMT & SUP	220
	R&D TOTAL				325
AF11	HARVARD COLLEGE	Mass	ARMY	RDTE/EDUCATION - RESEARCH	39
AF12	INTELLIGENT SYSTEMS DESIGN	Washington	NAVY	RDTE/EDUCATION - EXPLORATORY DEVELOPMENT	49
AF15	BLACK HAWK COLLEGE DST #503	Illinois	ARMY	RDTE/EDUCATION - OPER SYSTEMS DEVELOPMENT	40
	COLLEGE OF LAKE COUNTY	Illinois	ARMY	RDTE/EDUCATION - OPER SYSTEMS DEVELOPMENT	28
	DR GRANT WARDLAW	AUSTRALIA	ARMY	RDTE/EDUCATION - OPER SYSTEMS DEVELOPMENT	58
	R&D TOTAL				126
AG21	UNIVER/PGH COMMON SYST EDUC	Penn	USAF	RDTE/ENERGY - GAS - RESEARCH	197
AG24	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/ENERGY - GAS - ENGINEERING DEVELOP	1,636
AG53	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/ENERGY - NUCLEAR - ADVANCED DEVELOP	4,842
AG61	GEO-CENTERS INC	Mass	USAF	RDTE/ENERGY - PETROLEUM - RESEARCH	82
	M L ENERGIA INC	New Jersey	NAVY	RDTE/ENERGY - PETROLEUM - RESEARCH	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 132
AG62	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/ENERGY - PETROLEUM - EXPLORATORY DEV	50
AG63	GEO-CENTERS INC	Mass	USAF	RDTE/ENERGY - PETROLEUM - ADVANCED DEVELOP	60
AG92	JAYCOR	D.C.	NAVY	RDTE/OTHER ENERGY - EXPLORATORY DEVELOP	332
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/OTHER ENERGY - EXPLORATORY DEVELOP	87
	TRW INC	California	NAVY	RDTE/OTHER ENERGY - EXPLORATORY DEVELOP	800
	R&D TOTAL				1,219
AG96	SHELADIA ASSOCIATES INC	Penn	ARMY	RDTE/OTHER ENERGY - MANAGEMENT & SUPPORT	159
AH11	WESTON ROY F INC	Penn	ARMY	RDTE/POLLUTION CNTRL & ABATE - RESEARCH	174
AH12	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/POLLUTION CNTRL & ABATE - EXPLOR DEV	188
	P E I ASSOCIATES INC	Ohio	ARMY	RDTE/POLLUTION CNTRL & ABATE - EXPLOR DEV	453
	WESTON ROY F INC	Penn	ARMY	RDTE/POLLUTION CNTRL & ABATE - EXPLOR DEV	1,467
	R&D TOTAL				2,108
AH14	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/POLLUTION CNTRL & ABATE - ENGR DEV	182
	ICF INCORPORATED	D.C.	USAF	RDTE/POLLUTION CNTRL & ABATE - ENGR DEV	1,315
	R&D TOTAL				1,497
AH15	RADIAN CORPORATION	Texas	USAF	RDTE/POLLUTION CNTRL & ABATE - OP SYS DEV	45-
AH16	CAPE COD RESEARCH INC	Mass	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	55
	ELECTROSYN CORP	New York	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	54
	ENERGY ENVIRONMENTAL RES CORP	New Jersey	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	48
	GEO-CENTERS INC	Mass	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	42
	INDUGAS INC	Ohio	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	50
	KLM TECHNOLOGIES INC	California	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	55
	P D A ENGINEERING	California	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	49
	PHYSICAL SCIENCES INC	Virginia	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	50
	SANITECH INC	Ohio	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	49

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AH16 (CONTINUED)					
	TRACER RESEARCH CORP	Florida	USAF	RDTE/POLLUTION CNTRL & ABATE - MGMT & SUP	$ 36
	R&D TOTAL				488
AH21	BATTELLE MEMORIAL INSTITUTE	Ohio	USAF	RDTE/AIR POLLUTION - RESEARCH	674
AH31	SKIDAWAY INST OF OEANGRAPHY	Georgia	NAVY	RDTE/WATER POLLUTION - RESEARCH	48
AH32	CORNELL UNIVERSITY	New York	USAF	RDTE/WATER POLLUTION - EXPLORATORY DEVELOP	198
	LOUISIANA STATE UNIVERSITY	Louisiana	USAF	RDTE/WATER POLLUTION - EXPLORATORY DEVELOP	100
	R&D TOTAL				298
AH33	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/WATER POLLUTION - ADVANCED DEVELOP	215
	MAXWELL LABORATORIES INC	California	USAF	RDTE/WATER POLLUTION - ADVANCED DEVELOP	76
	R&D TOTAL				291
AH34	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/WATER POLLUTION - ENGINEERING DEVELOP	200
AH41	REMTECH INC	Alabama	ARMY	RDTE/NOISE POLLUTION - RESEARCH	50
AH45	A A I CORPORATION	Florida	NAVY	RDTE/NOISE POLLUTION - OP SYSTEMS DEVELOP	37
AH52	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER POLLUTION - EXPLORATORY DEVELOP	514
	CORNELL UNIVERSITY	New York	USAF	RDTE/OTHER POLLUTION - EXPLORATORY DEVELOP	72
	R&D TOTAL				586
AH92	WESTON ROY F INC	Penn	ARMY	RDTE/OTHER ENVIRONMENT - EXPLORATORY DEV	72
AH93	DYNAMAC INTERNATIONAL INC	Florida	USAF	RDTE/OTHER ENVIRONMENT - ADVANCED DEVELOP	57
	GA TECHNOLOGIES INC	California	ARMY	RDTE/OTHER ENVIRONMENT - ADVANCED DEVELOP	3,651
	R&D TOTAL				3,708
AH94	TETRA TECH INC	California	USAF	RDTE/OTHER ENVIRONMENT - ENGINEERING DEV	9,907
AH96	ABEL COMPANY	Virginia	USAF	RDTE/OTHER ENVIRONMENT - MGMT & SUPPORT	85
AJ11	ADVANCED COMPOSITE TECHNOLOGY	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	38
	ADVANCED ENG DESIGN & RESEARCH	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	30
	AEROCHEM RESEARCH LABORATORIES	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	58

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AJ11 (CONTINUED)						
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	$	103
	AEROJET ELECTROSYSTEMS CO	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		94
	AEROMETALS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		47
	ALESAT CORPORATION	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		48
	AMERICAN SCIENCE & ENGRG	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		195
	ANALYSIS & COMPUTER SYSTEMS	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		150
	ANALYTYX ELECTRONIC SYSTEMS	N.H.	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		100
	APPLIED MCRWAVE PLSMA CONCEPTS	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		86
	APPLIED RESEARCH ASSOC INC	New Mexico	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		94
		Vermont	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		68
	CONTRACTOR TOTAL					162
	ASTER CORP	Mass	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		56
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		496
	ATMOSPHERIC RADIATION CONS	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		125
	ATMOSPHRIC STMLATERS TSTG RES	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		55
	AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		119
	BALL CORPORATION	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		186
	BATTELLE MEMORIAL INSTITUTE	Ohio	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		300
	BDM CORPORATION	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		1,239
	BERKELEY RESEARCH ASSOCIATES	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH		70
	BOEING COMPANY THE	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		398
	BOSTON COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		139
	BOSTON UNIVERSITY TRUSTEES OF	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		1,008
	BROADCOM INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		47
	BROWN UNIV PRV ST RI PLAN	Rhode Is	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH		487

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	CALEUM RESEARCH CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 52
	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	457
	CALIFORNIA URBAN INDIAN HEALTH	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	34
	CALSPAN CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	202
	CAMBRIDGE RES INSTRUMENTATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	CARNEGIE-MELLON UNIVERSITY	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	917
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	93
	CELCO INDUSTRIES INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	2,136
	CERAMPHYSICS INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	191
	CHASE CONSULTANTS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	152
	CIM SYSTEMS	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	CITY OF HOPE	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	103
	CLARKSON UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	268
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	703
	COLUMBIA UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	500
	COMPTEK CO	Penn	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	COMPUTATIONAL MECHANICS	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	231
	COMPUTER SCIENCE INNOVATIONS	Alabama	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	400
	COMPUTER SCIENCES CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	26-
	CONTROL DATA CORPORATION	Minnesota	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	115
	CORNELL UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,508
	CREATIVE OPTICS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	DARTMOUTH COLLEGE	N.H.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	70
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	233

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
		STATE TOTAL			$ 303
	DOVE ELECTRONICS INC	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	80
	DOW CHEMICAL COMPANY THE	Michigan	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,029
	E E G SYSTEMS LABORATORY, INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	152
	E I C LABORATORY INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	53
	E-TEK DYNAMICS INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	EATON CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	150
	ELECTRO SYS RING DO INTEL	Georgia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	EMMANUEL COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,317
	ENDOCHRONICS	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	53
	ENERGY SCIENCE LABORATORIES	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	68
	ENGINEERING & ECONOMICS RES	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	211
	EPITAXX INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	EVI INCORPORATED	Maryland	ARMY	RDTE/GEN SCIENCES & TECH - RESEARCH	45
	FALCON COMMUNICATIONS CORP	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	FLAM & RUSSELL INC	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	FLOW INDUSTRIES INC	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	36
	FLUID SCIENCES INC	Penn	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	34
	G T E LABORATORIES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	113
	G. T. DEVICES, INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	139
	GA TECHNOLOGIES INC	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	350
	GENERAL COHERENT TECHNOLOGY	Texas	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	GENERAL ELECTRIC COMPANY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	393
		Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	90
	CONTRACTOR TOTAL				483

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	GEO-CENTERS INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 531
		Mass	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	1,012
	CONTRACTOR TOTAL				1,543
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	347
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	109
	GTE CORPORATION	Mass	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	40
	HARRIS CORPORATION	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	135
	HARVARD COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	129
	HAZELTINE CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	189
	HONEYWELL INC	Arizona	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	190
		Minnesota	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	459
	CONTRACTOR TOTAL				649
	HUBB SYSTEMS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	113
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	390
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	533
	STATE TOTAL				923
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	867
	INSTITUTE FOR SYSTEMS ANALYSIS	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	59
	INTEGRATED SYSTEMS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	76
	INTERNATIONAL BUS MCHS CORP	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	113
	JAYCOR	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	187
		Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	759
	CONTRACTOR TOTAL				946
	JOHNS HOPKINS UNIVERSITY	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	237
	K-TECH CORP	New Mexico	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	699
	KAPTRON INC	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	33

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	KESTREL INSTITUTE	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 127
	KOPIN CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	KTECH CORPORATION	New Mexico	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	71-
	LA JOLLA INSTITUTE	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	325
	LASERTRON INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	LEHIGH UNIVERSITY	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	181
	LIGHTWAVE ELECTRONICS CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	270
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	289
		New Mexico	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	32
	CONTRACTOR TOTAL				321
	LOWELL OBSERVATORY	Arizona	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	26
	MARKO MATERIALS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	MARTIN MARIETTA CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	130
	MASSACHSTTS INST OF TCHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	2,588
	MASSACHUSETTS UNIVERSITY OF	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,542
	MATERIALS SCIENCE CORP	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	65
	MAXWELL LABORATORIES INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	486
	MC CRONE ASSOCIATES INC	Illinois	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	115
	MC DONNELL DOUGLAS AIRCRAFT	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	69
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	248
		Missouri	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	300
	CONTRACTOR TOTAL				548
	MESOSCALE ENVIRONMENTAL	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	79
	MICHIGAN STATE UNIVERSITY	Michigan	ARMY	RDTE/GEN SCIENCES & TECH - RESEARCH	30
	MICRO COATINGS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	219

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	MINNESOTA MIN & MFG COMPANY	Minnesota	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 62
	MISSION RESEARCH CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	132
		N.H.	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	366
		Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	37
	CONTRACTOR TOTAL				535
	MULTISPEC CORPORATION	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	48
	NATIONAL ACADEMY SCIENCES USA	D.C.	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	797
	NEW YORK UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	774
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	126
	NIELSEN ENGINEERING AND RES	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	132
	NORTH CAROLINA STATE UNIV	N Carolina	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	264
	NORTHEASTERN UNIVERSITY CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	321
	NORTHROP CORPORATION	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	70
	NORTHWEST RESEARCH ASSOCIATES	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	70
	NORTHWESTERN UNIVERSITY	Illinois	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	271
	NOVA PHARMACEUTICAL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	120
	NOVA UNIVERSITY INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	53
	OPTRA INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	OPTRON SYSTEMS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	82
	ORTEL CORPORATION	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	50
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	241
	STATE TOTAL				291
	OSBORNE ALLEN ASSOCIATES	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	46
	PACIFIC SIERRA RESEARCH CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	205

AD-A207 631 DOLLAR SUMMARY OF FEDERAL SUPPLY CLASSIFICATION AND SERVICE CATEGORY BY C..(U) WASHINGTON HEADQUARTERS SERVICES (DOD) DC DIRECTORATE FOR INF.. 1988 4 4

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PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	PANAMETRICS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 47
	PEDA CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	93
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	471
	PHOTO METRIC INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	150
	PHYSICAL DYNAMICS INC	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,034
	PHYSICAL SCIENCES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	937
	PLESSEY UK LIMITED	GERMANY, F	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	91
	POLYTECHNIC UNIV OF NEW YORK	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	662
	POTOMAC PHOTONICS INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	254
	POTOMAC SYSTEMS ENGINEERING	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	430
	PRINCETON SCIENTIFIC INSTRS	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	175
	PRINCETON UNIVERSITY	New Jersey	ARMY	RDTE/GEN SCIENCES & TECH - RESEARCH	27
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	996
		STATE TOTAL			1,023
	PURDUE UNIVERSITY	Indiana	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	65
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	496
		STATE TOTAL			561
	QUALCOMM INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	49
	R & D ASSOCIATES	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	159
	RANDON APPLICATIONS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	39
	RENSSELAER POLYTECHNIC INST	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	171
	RESOURCE MANAGEMENT ASSOC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	170
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,247
	S M SYSTEMS AND RESEARCH CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	43
	SACHS FREEMAN	Maryland	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	500
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	1,098

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
		Maryland	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 1,235
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	40
		STATE TOTAL			1,275
	CONTRACTOR TOTAL				2,373
	SANDERS ASSOCIATES INC	N.H.	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	36
	SCHWARTZ ELECTRO-OPTICS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	265
	SCIENCE & TECHNOLOGY CORP	New Mexico	ARMY	RDTE/GEN SCIENCES & TECH - RESEARCH	170
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	153
	SCIENTIFIC RESEARCH ASSOC	Conn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	111
	SEMCOR INC	Alabama	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	SOUTHEASTN CTR ELECTR ENG ED	Florida	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	26
	SOUTHERN METHODIST UNIVERSITY	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	264
	SOUTHWEST RESEARCH INSTITUTE	Texas	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	60
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	313
		STATE TOTAL			373
	SPARTA INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	179
	SPECTRA PHYSICS INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	218
	SPECTRAL SCIENCES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	855
	SPECTRAN CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	464
	SPECTRON DEVELOPMENT LABS	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	34
	SPECTRUM 39 LTD	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	160
	SPIRE CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	SRI INTERNATIONAL	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	150
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	2,076
		STATE TOTAL			2,226
	ST LOUIS UNIVERSITY	Missouri	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	158

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	STANFORD UNIVERTSITY	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 4,154
	STATE UNIVERSITY OF NEW YORK	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	798
	SYSTEMS ENGINEERING INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	67
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	88
	T S C INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	62
	TACAN CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	205
	TECHNOLOGY FOR COMMNCTNS INTL	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	45
	TELEDYNE INDUSTRIES INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	388
	TEXAS A & M UNIV SYS THE	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	273
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	45
	THERMACORE INC	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	400
	TRW INC	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	618
	U OF CALIFORNIA	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	110
	U OF MARYLAND GRAD SCHOOL	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	110
	ULTRAMET	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	160
	ULTRASYSTEMS INCORPORATED	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	78
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	300
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	691
	STATE TOTAL				991
		Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	28
	CONTRACTOR TOTAL				1,019
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	6,359
	UNIVERSITIES SPACE RES ASSN	Maryland	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	390
	UNIVERSITY OF AKRON	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	175
	UNIVERSITY OF ALASKA	Alaska	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	103

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 2,568
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	150
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	3,810
		STATE TOTAL			3,960
	UNIVERSITY OF CINCINNATI	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	180
	UNIVERSITY OF COLORADO	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	451
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	137
	UNIVERSITY OF DENVER	Colorado	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	130
	UNIVERSITY OF FLORIDA	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	592
	UNIVERSITY OF HOUSTON SYSTEM	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	58
	UNIVERSITY OF ILLINOIS	Illinois	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	224
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,892
		STATE TOTAL			2,116
	UNIVERSITY OF IOWA THE	Iowa	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	30
	UNIVERSITY OF LOWELL	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	414
	UNIVERSITY OF MARYLAND	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	73
		Maryland	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	100
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	114
		STATE TOTAL			214
	CONTRACTOR TOTAL				287
	UNIVERSITY OF MICHIGAN	Michigan	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	386
	UNIVERSITY OF MINNESOTA	Minnesota	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	132
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	238
		STATE TOTAL			370
	UNIVERSITY OF NEBRASKA	Nebraska	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	205
	UNIVERSITY OF NEVADA SYSTEM	Nevada	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	44
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	600

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	UNIVERSITY OF NORTH CAROLINA	N Carolina	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 520
	UNIVERSITY OF OREGON	Oregon	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	127
	UNIVERSITY OF PENNSYLVANIA	Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	282
	UNIVERSITY OF ROCHESTER	New York	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	200
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	760
		STATE TOTAL			960
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	3,356
	UNIVERSITY OF SOUTHERN MISSISS	Miss	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	50
	UNIVERSITY OF TEXAS SYSTEM	Texas	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	779
	UNIVERSITY OF VIRGINIA	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	100
	UNIVERSITY OF WASHINGTON	Washington	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	169
	UNIVERSITY OF WEST FLORIDA	Florida	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	70
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	185
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	365
		STATE TOTAL			550
	UTAH STATE UNIVERSITY	Utah	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	317
	VANDERBILT UNIVERSITY THE	Tennessee	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	100
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,323
		STATE TOTAL			1,423
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	128
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	124
		STATE TOTAL			252
	VISIDYNE INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	1,009
	W E A	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	38
	WALLACE T H INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	253
	WEIDLINGER ASSOCIATES INC	New York	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	79
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	90

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ11 (CONTINUED)					
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	$ 199
		Penn	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	799
	CONTRACTOR TOTAL				998
	YALE UNIVERSITY	Conn	NAVY	RDTE/GEN SCIENCES & TECH - RESEARCH	50
			USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	387
		STATE TOTAL			437
	YORK UNIVERSITY	CANADA	USAF	RDTE/GEN SCIENCES & TECH - RESEARCH	897
R&D TOTAL					95,407
AJ12	AMERICAN MATRIX INC	Tennessee	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	50
	ANALYTYX ELECTRONIC SYSTEMS	N.H.	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	392
	APPLIED SOLAR ENERGY CORP	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	84
	ARCON CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	388
	ARIZONA STATE UNIVERSITY	Arizona	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	215
	ATLANTIC RESEARCH CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	558
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	400
	AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	655
	BDM CORPORATION	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	41-
	BELTRAN ASSOCIATES INC	New York	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	49
			USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	48
		STATE TOTAL			97
	BOEING COMPANY THE	Washington	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	831
	BOSTON COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	808
	BROWN UNIV PRV ST RI PLAN	Rhode Isld	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	225
	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	174
	CALIFORNIA URBAN INDIAN HEALTH	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	530
	CANADIAN COMMERCIAL CORPORATN	CANADA	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	314

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AJ12 (CONTINUED)						
	COGNITIVE SYSTEMS INC	Conn	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	$	992
	COLORADO STATE UNIVERSITY	Colorado	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		57
	COLUMBIA UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		250
	COMPUTATIONAL PHYSICS INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		50
	COMPUTER SCIENCES CORPORATION	Florida	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		49
	DISPLAYTECH INC	Colorado	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		92
	DYNETICS INC	Alabama	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		49
	EASTMAN KODAK COMPANY	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		404
	ELECTROMAGNETIC SCIENCES INC	Georgia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		499
	FOSTER-MILLER INC	Mass	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		50
	FREQUENCY & TIME SYSTEMS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		53
	GALAXY MICROSYSTEMS INC	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		480
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		305
	GENERAL ELECTRIC COMPANY	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		150-
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		171
	H & H AEROSPACE DESIGN INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		28-
	HAZELTINE CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		183
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		1,104
	HUGHES ASSOCIATES INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		48
	IMPERIAL COLLEGE OF SCIENCE &	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		129
	KASK LABS	Arizona	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		495
	LICA SYSTEMS INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		132
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		314
	M R M ENGINEERS PC	Penn	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		49
	MAN LABS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		189

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ12 (CONTINUED)					
	MARTIN MARIETTA CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	$ 91
	MASSACHSETTS TECHNOLOGICAL LAB	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	238
	MASSACHSTTS INST OF TCHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	783
	MAXWELL LABORATORIES INC	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	195
	MAYFLOWER COMMUNICATION CO	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	35
	MILLIMETER WAVE TECHNOLOGY	Georgia	ARMY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	
	MISSION RESEARCH CORPORATION	N.H.	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	577
	MOSER HARRY E-APPLIMATH CO	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	65
	NEW YORK UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	307
	OHIO STATE UNIVERSITY	Ohio	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	60
			USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	109
	STATE TOTAL				169
	OPTIMETRICS INC	Michigan	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	202
	PANAMETRICS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	102
	PARKE MATHEMATICAL LABS	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	40
	PENNSYLVANIA STATE UNIV THE	Penn	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	70
	PHOTO METRIC INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	247
	PHYSICAL SCIENCES INC	Mass	ARMY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	26
			NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	168
	STATE TOTAL				194
	R D P INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	650
	RADEX INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	182
	RAYTHEON COMPANY	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	418
	RCA CORPORATION	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	90
	REGIS COLLEGE	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	424
	RESEARCH & DATA SYSTEMS INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORAT RY DEV	95

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AJ12 (CONTINUED)						
	RETICON CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	$	301
	RICE WILLIAM MARSH UNIVERSITY	Texas	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		150
	RMS TECHNOLOGIES INCORPORATED	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		497
	RUHR-UNIVERSITAT	GERMANY, F	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		116
	S S G INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		373
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		531
	SCHWARTZ ELECTRO-OPTICS INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		204
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		304
	SCOPE INCORPORATED	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		125
	SOUTHEASTN CTR ELECTR ENG ED	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		350
	SPECTRAL SCIENCES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		113
	SPERRY CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		65
	SRI INTERNATIONAL	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		487
	SYSTEMS INTEGRATION ENGINEER	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		65
	TRW INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		140
	ULTRAMET	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		154
	UNIVER/PGH COMMON SYST EDUC	Penn	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		236
	UNIVERSITY OF ALASKA	Alaska	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		191
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		507
	UNIVERSITY OF ILLINOIS	Illinois	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		1,205
	UNIVERSITY OF KENT	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		110
	UNIVERSITY OF LOWELL	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		272
	UNIVERSITY OF MARYLAND	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		456
	UNIVERSITY OF MINNESOTA	Minnesota	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		312
	UNIVERSITY OF NEW MEXICO	New Mexico	NAVY	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV		51

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ12 (CONTINUED)					
	UNIVERSITY OF NOTTINGHAM	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	$ 35
	UNIVERSITY OF TEXAS SYSTEM	Texas	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	349
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	44
	UTAH STATE UNIVERSITY	Utah	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	13,189
	VIASAT INC	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	49
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	400
	VISIDYNE INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	287
	WEIDLINGER ASSOCIATES INC	California	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	40
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	400
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - EXPLORATORY DEV	1,182
R&D TOTAL					40,110
AJ13	A T & T TECHNOLOGIES INC	N Carolina	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	102
	ADVANCED COMPOSITE ENGRG	Indiana	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	46
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	150
	AMERICAN INST RSRCH BEHAV SCI	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	60
	AMPTEK INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,058
	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	426
	ANALYTIC SERVICES INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	7,678
	ANALYTYX ELECTRONIC SYSTEMS	N.H.	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	6-
	APPLIED RESEARCH CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	48
	ARCO POWER TECHNOLOGY	D.C.	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	500
	ARCON CORPORATION	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	686
	ARIZONA STATE UNIVERSITY	Arizona	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	300
	ATLANTIC RESEARCH CORPORATION	Ohio	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	554
	BOEING COMPANY THE	Washington	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	146

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ13 (CONTINUED)					
			USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	$ 387
	STATE TOTAL				533
	BROWN UNIV PRV ST RI PLAN	Rhode Isld	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	162
	CANADIAN COMMERCIAL CORPORATN	CANADA	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,144
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	40
	CELCO INDUSTRIES INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	832
	CHRONOS RSCH LABS INC	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	48
	CORNELL UNIVERSITY	New York	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	82
	CORNING GLASS WORKS	New York	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	80
	CRAMER H E COMPANY INC	Maryland	ARMY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	42
		Utah	ARMY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	100
	CONTRACTOR TOTAL				142
	CREARE, INC	N.H.	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	50
	DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	100
	DUKE UNIVERSITY	N Carolina	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	650
	DYNASTAT INC	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	53
	ELDEC CORPORATION	Washington	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	28-
	FAIRCHILD AIRCRAFT CORPORATION	Maryland	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	175
	G E C AVIONICS LTD	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	340
	GELTECH INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	745
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	942
		Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	52
	CONTRACTOR TOTAL				994
	GEO-CENTERS INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	630
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	101

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ13 (CONTINUED)					
	H S S INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	$ 65
	HARRIS CORPORATION	Florida	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	152
	HAYES INTERNATIONAL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,459
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	392
	HYPRES INC	New York	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	200
	INTEGRATED SYSTEMS INC	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	85
	L RAYMOND & ASSOCIATES	California	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	49
	LOCKHEED CORPORATION	Georgia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	411
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	106
		Maryland	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	156-
	CONTRACTOR TOTAL				50-
	MASSACHSTTS INST OF TCHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	594
	MASSACHUSETTS UNIVERSITY OF	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	299
	MC DONNELL DOUGLAS CORPORATION	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,888
	METRICA INC	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,377
	MINNESOTA MIN & MFG COMPANY	Minnesota	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	187
	MISSION RESEARCH CORPORATION	N.H.	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	100
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	79
	NATIONAL CENTRE TRIBOLOGY	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	150
	NIELSEN ENGINEERING AND RES	California	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	103
	NORTHEASTERN UNIVERSITY CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,345
	OPERATIONAL TECHNOLOGIES CORP	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	985
	OPTICAL TECHNOLOGIES INC	W Virginia	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	105
	OWENS-CORNING FIBERGLAS CORP	Ohio	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	685
	PHOTON RESEARCH ASSOCIATES	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	48

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ13 (CONTINUED)					
		New York	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	$ 150
	CONTRACTOR TOTAL				198
	R & D ASSOCIATES	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	32
	RAYTHEON COMPANY	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	285
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	507
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,607
		Maryland	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	310
	CONTRACTOR TOTAL				1,917
	SCIENCE APPLICATIONS INTL CORP	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	50
	SPACE TECH CORP	Colorado	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	252
	SRI INTERNATIONAL	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	162
	STANFORD UNIVERTSITY	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	173
	STATE UNIVERSITY OF NEW YORK	New York	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	265
	SYMETRIX CORPORATION	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	49
	SYSTEMS ENGINEERING INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	206
	SYSTEMS INTEGRATION ENGINEER	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	882
	TEXAS A & M UNIV SYS THE	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	149
	UNITED KINGDOM AUTOMIC	UNITED KIN	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	2,737
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	1,529
		Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	80
	CONTRACTOR TOTAL				1,609
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	125
	UNIVERSITY OF CALIFORNIA	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	430
	UNIVERSITY OF MICHIGAN	Michigan	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	52
	UNIVERSITY OF NEW MEXICO	New Mexico	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	200

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AJ13 (CONTINUED)						
	UNIVERSITY OF SOUTHERN CALIF	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV	$	239
	VANDERBILT UNIVERSITY THE	Tennessee	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		113
	VARIAN ASSOCIATES INC	California	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		50
	VERAC INCORPORATED	Texas	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		697
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		211
	VISIDYNE INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		670
	WAYNE STATE UNIVERSITY	Michigan	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		86
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		536
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		623
		Penn	USAF	RDTE/GEN SCIENCES & TECH - ADVANCED DEV		384
	CONTRACTOR TOTAL					1,007
R&D TOTAL						43,024
AJ14	AMERASIA INTRNTIOAL TECHNOLOGY	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - ENGR DEV		49
	ANALYTIC SERVICES INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ENGR DEV		13,303
	C V D SYSTEMS & SERVICES INC	Penn	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV		50
	CIM SYSTEMS	Texas	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV		490
	COLORADO STATE UNIVERSITY	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV		193
	DYNAMET TECHNOLOGY INC	Mass	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV		366
	ELECTRO-TECHNOLOGY CORPORATION	California	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV		50
	ENERGY OPTICS INC	New Mexico	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV		50
	FOSTER-MILLER INC	Mass	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV		488
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/GEN SCIENCES & TECH - ENGR DEV		376
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV		256
	NATIONAL SECURITY RESEARCH	Virginia	USAF	RDTE/GEN SCIENCES & TECH - ENGR DEV		326
	OPHIR CORP	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV		50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ14 (CONTINUED)					
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	$ 100
		Maryland	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	30
	CONTRACTOR TOTAL				130
	SCIENCE APPLICATIONS INTL CORP	California	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	235
	SPIRE CORPORATION	Mass	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	50
	TECHNO-SCIENCES INC	Maryland	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	427
	THERMACORE INC	Penn	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	487
	TTL TECHNIQUES	Penn	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	486
	UNIVERSITY OF DAYTON INC	Ohio	NAVY	RDTE/GEN SCIENCES & TECH - ENGR DEV	80
	R&D TOTAL				17,942
AJ15	ANALYTIC SERVICES INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	90
	APPLIED RESEARCH ASSOC INC	Colorado	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	59
	GALILEO ELECTRO-OPTICS CORP	Mass	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	184
	LILLARD RESEARCH INCORPORATED	Ohio	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	41
	LITTON INDUSTRIES INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	420
	POLYTECHNIC UNIV OF NEW YORK	New York	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	36
	PROMETHEUS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	236
	SCHAFER W J ASSOCIATES INC	Virginia	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	70
	SRI INTERNATIONAL	California	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	598
	UNIVERSITY OF SOUTH FLORIDA	Florida	NAVY	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	38
	UNIVERSITY OF TEXAS SYSTEM	Texas	USAF	RDTE/GEN SCIENCES & TECH - OP SYSTEMS DEV	233
	R&D TOTAL				2,005
AJ16	AERODYNE RESEARCH INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	565
	ANALATOM INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	APPLIED MCRWAVE PLSMA CONCEPTS	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	50

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ16 (CONTINUED)					
	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	$ 77
	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	44
	ATOM SCIENCES INC	Tennessee	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	394
	BUSINESS TCHNLOGICAL SYSTEMS	Maryland	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	CERAMICS PROCESS SYSTEMS CORP	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	47
	CHEMICAL DYNAMICS CORP	Maryland	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	100
	COMPUTER COMMAND & CONTROL CO	Penn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	50
	CSA ENGINEERING INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	DEACOX RESEARCH	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	55
	DIVERSIFIED ENGINEERING INC	Virginia	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	96
	ECODYNAMICS RESEARCH ASSOC INC	New Mexico	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	48
	EIDETICS INTERNATIONAL, INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	138
	ESSEX CORPORATION	Florida	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	216
	EVANS CHARLES & ASSOCIATES	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	1
	F & H APPLIED ASSOCIATES INC	New Jersey	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	48
	FOSTER-MILLER INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	809
	HYPRES INC	New York	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	121
	INTERSPEC INC	Penn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	300
	KEO CONSULTANTS	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	50
	LASERGENICS CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	46
	MAYFLOWER COMMUNICATION CO	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	METROLASER	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	157
	NIELSEN ENGINEERING AND RES	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	457
	P K CORP	Conn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	63
	PHYSICAL DYNAMICS INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	51

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AJ16 (CONTINUED)					
	POTOMAC PHOTONICS INC	Maryland	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	$ 245
	PROMETHEUS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	250
	QUALCOMM INC	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	50
	RAND CORPORATION	California	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	19,222
	RISK & INDUSTRIAL SAFTY INC	Illinois	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	48
	SCHWARTZ ELECTRO-OPTICS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	476
	SCIENTIFIC RESEARCH ASSOC	Conn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	258
	SCIENTIFIC SYSTEMS INC	Mass	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	120
	SENSIS CORPORATION	New York	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	52
	SPACE QUALIFIED SYSTEMS CORP	D.C.	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	TECHPLAN CORP	Virginia	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	500
	TS INFOSYSTEMS INC	Florida	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	198
	TTL TECHNIQUES	Penn	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	49
	VISTECH CONSULTANTS INC	Ohio	USAF	RDTE/GEN SCIENCES & TECH - MGMT & SUPPORT	294
	R&D TOTAL				25,990
AN11	SOUTHERN BIOTECHNOLOGY ASSOC	Alabama	NAVY	RDTE/BIOMEDICAL - RESEARCH	293
AN12	ANTHROPOLOGY RESEARCH PROJECT	Ohio	ARMY	RDTE/BIOMEDICAL - EXPLORATORY DEVELOPMENT	282
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	USAF	RDTE/BIOMEDICAL - EXPLORATORY DEVELOPMENT	100
	R&D TOTAL				382
AN15	ASSOCIATE CONSULTANTS INC	D.C.	ARMY	RDTE/BIOMEDICAL - OPER SYSTEMS DEVELOPMENT	185
AN22	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/DEPENDENCY - DRUGS - EXPLORATORY DEV	50
AN46	FOUNDATION HEALTH CORPORATION	California	ARMY	RDTE/HEALTH SERVICES - MGMT & SUPPORT	26,888
AN56	HUMAN AFFAIRS INTERNATIONAL	Utah	ARMY	RDTE/MENTAL HEALTH - MGMT & SUPPORT	32
AN73	DISPLAYTECH INC	Colorado	ARMY	RDTE/SPECIALIZED MED SVCS - ADVANCED DEV	94
AN91	ATLANTIC RESEARCH CORPORATION	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	105-

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AN91 (CONTINUED)					
	AVERETTE ROBERT D & CO INC	D.C.	ARMY	RDTE/OTHER MEDICAL - RESEARCH	$ 36-
	BRANDEIS UNIVERSITY	Mass	ARMY	RDTE/OTHER MEDICAL - RESEARCH	127
	CASE WESTERN RESERVE UNIV	Ohio	ARMY	RDTE/OTHER MEDICAL - RESEARCH	66
	CHI SYSTEMS INC	Michigan	ARMY	RDTE/OTHER MEDICAL - RESEARCH	469
	COLORADO STATE UNIVERSITY	Colorado	ARMY	RDTE/OTHER MEDICAL - RESEARCH	112
	ELECTROMAGNETIC TECHNOLOGY,	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	567
	ENERGY CONVERSION DEVICES INC	Michigan	ARMY	RDTE/OTHER MEDICAL - RESEARCH	162
	ENVIRONMENTAL DIAGNOSTICS	N Carolina	ARMY	RDTE/OTHER MEDICAL - RESEARCH	47-
	G M S ENGINEERING CORPORATION	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	341
	GEORGETOWN UNIVERSITY	D.C.	ARMY	RDTE/OTHER MEDICAL - RESEARCH	90
	GULF WEATHER CORP	Miss	ARMY	RDTE/OTHER MEDICAL - RESEARCH	325
	GUMBS ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - RESEARCH	222
	HAHNEMANN UNIVERSITY	Penn	ARMY	RDTE/OTHER MEDICAL - RESEARCH	124
	HAWAII BIOTECHNOLOGY GP, INC	Hawaii	ARMY	RDTE/OTHER MEDICAL - RESEARCH	567
	HAZLETON LABORATORIES AMERICA	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	27-
	HERNER & COMPANY INC	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	812
	I R T CORPORATION	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	226
	INDIANA UNIVERSITY FOUNDATION	Indiana	ARMY	RDTE/OTHER MEDICAL - RESEARCH	38
	INVERESK RSCH INTL LTD	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - RESEARCH	33-
	JEFFERSON THOMAS UNIVERSITY	Penn	ARMY	RDTE/OTHER MEDICAL - RESEARCH	72
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	384
	KANSAS STATE UNIVERSITY	Kansas	ARMY	RDTE/OTHER MEDICAL - RESEARCH	30
	MASSACHUSETTS UNIVERSITY OF	Mass	ARMY	RDTE/OTHER MEDICAL - RESEARCH	1,257
	MEHARRY MEDICAL COLLEGE	Tennessee	ARMY	RDTE/OTHER MEDICAL - RESEARCH	142
	MICROGENESYS INC	Conn	ARMY	RDTE/OTHER MEDICAL - RESEARCH	473

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AN91 (CONTINUED)					
	MOREHOUSE COLLEGE	Georgia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	$ 33
	NEW ENGLAND MED CTR HOSPITALS	Mass	ARMY	RDTE/OTHER MEDICAL - RESEARCH	102
	NEW YORK UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	206
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/OTHER MEDICAL - RESEARCH	150
	NORTH TEXAS STATE UNIVERSITY	Texas	ARMY	RDTE/OTHER MEDICAL - RESEARCH	100
	PHARM-ECO LABORATORIES INC	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	271
	PHARMATEC INC	Florida	ARMY	RDTE/OTHER MEDICAL - RESEARCH	233
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/OTHER MEDICAL - RESEARCH	99
	SALK INST FOR BLGICAL STUDIES	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	557
	SCRIPPS CLINIC RES FOUNDATION	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	233
	SLOAN-KETTERING	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	311
	SOUTHERN ILLINOIS UNIVERSITY	Illinois	ARMY	RDTE/OTHER MEDICAL - RESEARCH	56
	SOUTHWEST FOUNDATION	Texas	ARMY	RDTE/OTHER MEDICAL - RESEARCH	606
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	2,103
	STATE OF OKLAHOMA	Oklahoma	ARMY	RDTE/OTHER MEDICAL - RESEARCH	85
	STATE UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	174
	SYSTEMS APPLICATIONS, INC	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	2,053
	TECHNICAL RESEARCH ASSOCIATES	Utah	ARMY	RDTE/OTHER MEDICAL - RESEARCH	148
	TUFTS UNIVERSITY	Mass	ARMY	RDTE/OTHER MEDICAL - RESEARCH	132
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/OTHER MEDICAL - RESEARCH	282
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/OTHER MEDICAL - RESEARCH	47
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/OTHER MEDICAL - RESEARCH	1,220
	UNIVERSITY OF CHICAGO THE	Illinois	ARMY	RDTE/OTHER MEDICAL - RESEARCH	44
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER MEDICAL - RESEARCH	647
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	666

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AN91 (CONTINUED)					
	UNIVERSITY OF MIAMI INC	Florida	ARMY	RDTE/OTHER MEDICAL - RESEARCH	$ 310
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/OTHER MEDICAL - RESEARCH	164
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER MEDICAL - RESEARCH	150
	UNIVERSITY OF NORTH CAROLINA	N Carolina	ARMY	RDTE/OTHER MEDICAL - RESEARCH	118
	UNIVERSITY OF ROCHESTER	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	187
	UNIVERSITY OF SOUTH CAROLINA	S Carolina	ARMY	RDTE/OTHER MEDICAL - RESEARCH	240
	UNIVERSITY OF SOUTH FLORIDA	Florida	ARMY	RDTE/OTHER MEDICAL - RESEARCH	52
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER MEDICAL - RESEARCH	60
	UNIVERSITY OF VIRGINIA	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	42
	UNIVERSITY OF WASHINGTON	Washington	ARMY	RDTE/OTHER MEDICAL - RESEARCH	222
	UNIVERSITY OF WESTERN ONTARIO	CANADA	ARMY	RDTE/OTHER MEDICAL - RESEARCH	50
	UNIVERSITY OF WYOMING	Wyoming	ARMY	RDTE/OTHER MEDICAL - RESEARCH	191
	UNIVERSITY-MD EYE ASSOCS PA	Maryland	ARMY	RDTE/OTHER MEDICAL - RESEARCH	127
	VIRGINIA COMMONWEALTH UNIV	Virginia	ARMY	RDTE/OTHER MEDICAL - RESEARCH	95
	WAYNE STATE UNIVERSITY	Michigan	ARMY	RDTE/OTHER MEDICAL - RESEARCH	219
	YESHIVA UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL - RESEARCH	31
R&D TOTAL					19,174
AN92	AMERICAN INST BIOLOGCL SCIENCE	D.C.	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	148
	AMERICAN OPTICAL CORPORATION	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	254
	AUBURN UNIVERSITY	Alabama	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	150
	BAYLOR UNIVERSITY	Texas	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	96
	BDM CORPORATION	Ohio	USAF	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	46
	BIONETICS RESEARCH INC	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	166
	BIOTEK INC	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	237
	BOSTON UNIVERSITY TRUSTEES OF	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	85

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AN92 (CONTINUED)					
	BRIGHAM AND WOMENS HOSP INC	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	$ 164
	BRIGHAM YOUNG UNIVERSITY	Utah	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	40
	CALSPAN CORPORATION	Penn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	128
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	1,108
	CHILDRENS MEDICAL CENTER CORP	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	139
	CITY UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	117
	CORNELL UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	49
	DANA-FARBER CANCER INSTITUTE	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	81
	DENALI MED RSCH PROJECT	Alaska	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	27
	DYNAMAC CORPORATION	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	229
	EG&G MASON	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	1,361
	EMORY UNIVERSITY	Georgia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	155
	FLOW LABORATORIES INC	Virginia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	170
	FOX CHASE CANCER CENTER	Penn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	143
	G M S ENGINEERING CORPORATION	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	164
	GAMBLE JAMES N INST MED RES	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	142
	GEORGETOWN UNIVERSITY	D.C.	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	331
	GORGAS MEMORIAL INSTITUTE	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	300
	GULF COAST RESEARCH LABORATORY	Miss	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	105
	HARVARD COLLEGE	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	153
	HAWAII BIOTECHNOLOGY GP, INC	Hawaii	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	346
	HEALTH RESEARCH INC	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	243
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	222
	IMPERIAL COLLEGE OF SCIENCE &	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	201
	JAYCOR	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	1,314

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AN92 (CONTINUED)						
	JEFFERSON THOMAS UNIVERSITY	Penn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	$	815
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		538
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		93
	LONDON SCHOOL OF HYGIENE	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		68
	LOUISIANA STATE UNIVERSITY	Louisiana	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		367
	MARSHALL UNIVERSITY	W Virginia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		61
	MASSACHSTTS INST OF TCHNOLOGY	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		148
	MASSACHUSETTS UNIVERSITY OF	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		298
	MEDICAL COLLEGE OF GEORGIA	Georgia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		138
	MEDICAL COLLEGE OF PA	Penn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		407
	MOREHOUSE COLLEGE	Georgia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		89
	NATURAL ENVIRONMENTAL	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		134
	NATURAL ENVIRONMTL RSCH COUNCI	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		87
	NEW YORK UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		199
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		85
	OHIO UNIVERSITY	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		178
	OHIO WESLEYAN UNIVERSITY	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		97
	PENNSYLVANIA STATE UNIV THE	Penn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		73
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		113
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		468
	ROCHESTER INST OF TECHNOLOGY	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		83
	ROCKEFELLER UNIVERSITY INC THE	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		142
	SCRIPPS CLINIC RES FOUNDATION	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		288
	SLOAN-KETTERING	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		244
	SOUTHERN ILLINOIS UNIVERSITY	Illinois	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP		261

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AN92 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	$ 932
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	897
	SPELMAN COLLEGE	Georgia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	87
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	2,157
	STANFORD UNIVERTSITY	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	56
	STARKS ASSOCIATES INC	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	170
	STATE UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	588
	STEROIDS LTD	Illinois	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	177
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	247
	TEMPLE UNVRSTY/CMNWLTH SYST	Penn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	201
	THERMEDICS INC	Mass	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	718
	UNIVERSAL ENERGY SYSTEMS INC	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	405
	UNIVERSITY MEDICINE & DENTIST	New Jersey	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	702
	UNIVERSITY OF ALBERTA	CANADA	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	59
	UNIVERSITY OF BIRMINGHAM	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	33
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	244
	UNIVERSITY OF CHICAGO THE	Illinois	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	47
	UNIVERSITY OF CINCINNATI	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	231
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	108
	UNIVERSITY OF DAYTON INC	Ohio	USAF	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	1,219
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	373
	UNIVERSITY OF GEORGIA	Georgia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	425
	UNIVERSITY OF HAWAII	Hawaii	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	209
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	178
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	512

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AN92 (CONTINUED)					
	UNIVERSITY OF KENTUCKY	Kentucky	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	$ 55
	UNIVERSITY OF LOUISVILLE	Kentucky	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	109
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	359
	UNIVERSITY OF MIAMI INC	Florida	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	726
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	430
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	686
	UNIVERSITY OF MISSISSIPPI	Miss	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	197
	UNIVERSITY OF NEW MEXICO	New Mexico	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	121
	UNIVERSITY OF NORTH CAROLINA	N Carolina	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	119
	UNIVERSITY OF RHODE ISLAND	Rhode Isld	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	181
	UNIVERSITY OF SAN FRANCISCO	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	114
	UNIVERSITY OF SOUTH CAROLINA	S Carolina	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	302
	UNIVERSITY OF SOUTHERN MISSISS	Miss	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	183
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	537
	UNIVERSITY OF THE PACIFIC	California	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	282
	UNIVERSITY OF VERMONT	Vermont	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	71
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	369
	VIRGINIA COMMONWEALTH UNIV	Virginia	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	338
	WASHINGTON UNIVERSITY	Missouri	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	283
	WEIZMANN INSTITUTE THE	ISRAEL	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	164
	WRIGHT STATE UNIVERSITY	Ohio	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	297
	YALE UNIVERSITY	Conn	ARMY	RDTE/OTHER MEDICAL - EXPLORATORY DEVELOP	144
R&D TOTAL					31,130
AN93	ABEL COMPANY	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	49
	AMERICAN OPTICAL CORPORATION	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,759

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AN93 (CONTINUED)					
	ANATECH LTD	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	$ 50
	ASH STEVENS INC	Michigan	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	433
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	3,963
	BAXTER HEALTHCARE CORPORATION	Illinois	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,132
	BIO METRIC SYSTEMS INC	Minnesota	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	BIONETICS RESEARCH INC	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	766
	BIOSTAR MEDICAL PRODUCTS INC	Colorado	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	48
	BROWN JOHN ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	98
	CAMBRIDGE BIOSCIENCE CORP	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	378
	CASTLE CO INC	New York	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	754
	COLORADO STATE UNIVERSITY	Colorado	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	120
	COLUMBIA UNIVERSITY	New York	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	97
	DIAGNOSTIC SPECIALTIES INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	355
	DUKE UNIVERSITY	N Carolina	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	200
	E-O PRODUCTS CORP	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	43
	EAGLE-PICHER INDUSTRIES INC	Kansas	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	343
	ELECTRO-NUCLEONICS INC	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	300-
	ELECTRON TRANSFER TECHNOL INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	ENGINEERING & ECONOMICS RES	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,261
		Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	2,411
	CONTRACTOR TOTAL				3,672
	EVAPORATED COATINGS INC	Penn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	G M S ENGINEERING CORPORATION	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	GEORGETOWN UNIVERSITY	D.C.	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	157
	GUILD ASSOCIATES INC	Ohio	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	230

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AN93 (CONTINUED)					
	GUMBS ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	$ 50
	HARVARD COLLEGE	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	264
	HAZLETON LABORATORIES AMERICA	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,112
	HUNTINGDON RESEARCH CENTER	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	139
	JACOBUS PHARMACEUTICAL CO.,INC	New Jersey	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	33
	JAYCOR	Ohio	USAF	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	152
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,242
	KONIGSBERG INSTRUMENTS INC	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	492
	MEDICAL CLLEGE OHIO AT TOLEDO	Ohio	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	76
	MEPECC INTERNATIONAL INC	Georgia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	200
	METTERS INDUSTRIES INC	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	509
	MICRO PROBE CORP	Washington	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	MICROBIOLOGICAL ASSOCIATES	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	64-
	MITRE CORPORATION	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	9,429
	MOLECULAR GENETICS INC	Minnesota	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	215
	NATIONAL ACADEMY SCIENCES USA	D.C.	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	100-
	NEUSHUL MARICULTURE, INC	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	NEW ENGLAND MED CTR HOSPITALS	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	91
	PATHOLOGY ASSOCIATES INC	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	185
	PHARM-ECO LABORATORIES INC	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	199
	PORTON INTL LTD	UNITED KIN	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	983
	POTOMAC SYNEGETICS INC	Virginia	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	PRES&FELLOWS OF HARVARD COL	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	282
	PUBLIC HEALTH RESEARCH	New York	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	390
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	247

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(AMOUNTS IN THOUSANDS)

AN93 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	$ 59
	RAYEX CORP	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	740
	RIKER LABORATORIES INC	Minnesota	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,863-
	ROHM AND HAAS COMPANY	Penn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	225-
	SALK INST FOR BLGICAL STUDIES	Penn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	2,257
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	265
	SCRIPPS CLINIC RES FOUNDATION	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	330
	SOUTHERN ILLINOIS UNIVERSITY	Illinois	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	131
	SOUTHERN RESEARCH INSTITUTE	Alabama	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	2,250
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	470
	STARKS ASSOCIATES INC	New York	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	417
	STERIMATICS CORPORATION	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	6,628
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	633
	TECHNASSOCIATES INC	Maryland	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	1,006
	TOPICAL TESTING, INC	Utah	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	50
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	207
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	858
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	101
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	485
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	573
	UNIVERSITY OF KANSAS	Kansas	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	145
	UNIVERSITY OF LOWELL	Mass	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	209
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	148
	UNIVERSITY OF TENNESSEE	Tennessee	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	140

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AN93 (CONTINUED)					
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	$ 224
	UNIVERSITY OF UTAH	Utah	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	73
	UNIVERSITY OF WASHINGTON	Washington	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	179
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	421
	UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	646
	VANDERBILT UNIVERSITY THE	Tennessee	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	751
	YALE UNIVERSITY	Conn	ARMY	RDTE/OTHER MEDICAL - ADVANCED DEVELOPMENT	382
	R&D TOTAL				49,563
AN94	HAUSER LABORATORIES	Colorado	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	48
	PICKER INTERNATIONAL INC	Ohio	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	10,560
	ROHM AND HAAS COMPANY	Penn	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	2,300
	SALK INST FOR BLGICAL STUDIES	Penn	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	3,440
	SYSTEMS RESEARCH LABORATORIES	Ohio	USAF	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	395
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	630
		CHILE	ARMY	RDTE/OTHER MEDICAL - ENGINEERING DEVELOP	277
	CONTRACTOR TOTAL				907
	R&D TOTAL				17,650
AN95	MICHIGAN DEPT OF PUBLIC HEALTH	Michigan	ARMY	RDTE/OTHER MEDICAL - OP SYSTEMS DEVELOP	2,196
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER MEDICAL - OP SYSTEMS DEVELOP	50
	R&D TOTAL				2,246
AN96	DEN-TAL-EZ INC	Penn	NAVY	RDTE/OTHER MEDICAL - MGMT & SUPPORT	25
	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER MEDICAL - MGMT & SUPPORT	97
	R&D TOTAL				122
AP51	SEACO INC	Hawaii	NAVY	RDTE/NATURAL RESOURCES-MARINE - RESEARCH	121
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	ARMY	RDTE/NATURAL RESOURCES-MARINE - RESEARCH	120

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 241
AP53	SEACO INC	Hawaii	NAVY	RDTE/NATURAL RESOURCES-MARINE - ADV DEV	3,032
AP55	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/NATURAL RESOURCES-MARINE - OP SYS DEV	38
AR11	FORD AEROSPACE	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	1,487
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	900
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	1,487
	PHOTO METRIC INC	Mass	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	46
	PHOTON RESEARCH ASSOCIATES	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	869
	RCA CORPORATION	New Jersey	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	1,487
	RESEARCH TRIANGLE INSTITUTE	Florida	USAF	RDTE/AERONAUTICAL & SPACE TECH - RESEARCH	758
	R&D TOTAL				7,034
AR12	HARRIS CORPORATION	Florida	USAF	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	189
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	433
	NEW MEXICO STATE UNIVERSITY	New Mexico	USAF	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	538
	NORTHROP CORPORATION	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	95
	SPARTA INC	California	NAVY	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	340
	SPIRE CORPORATION	Mass	USAF	RDTE/AERONAUTICAL & SPACE TECH - EXP DEV	615
	R&D TOTAL				2,210
AR13	BARRIOS TECHNOLOGY INC	Texas	NAVY	RDTE/AERONAUTICAL & SPACE TECH - ADV DEV	41
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/AERONAUTICAL & SPACE TECH - ADV DEV	27
	R&D TOTAL				68
AR14	AMOCO TECHNOLOGY CO	Maryland	NAVY	RDTE/AERONAUTICAL & SPACE TECH - ENGR DEV	714
AR16	ATMOSPHERIC ENVIRONMENTAL RES	Mass	USAF	RDTE/AERONAUTICAL & SPACE TECH - MGMT&SUP	150
	COHERENT TECHNOLOGIES INC	Colorado	USAF	RDTE/AERONAUTICAL & SPACE TECH - MGMT&SUP	400
	ELECTRO-OPTEK CORPORATION	California	USAF	RDTE/AERONAUTICAL & SPACE TECH - MGMT&SUP	53
	MATERIAL & ELECTROCHEMICAL	Arizona	USAF	RDTE/AERONAUTICAL & SPACE TECH - MGMT&SUP	50

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 653
AR21	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	1,169
	MICROCIRC ASSOCIATES	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	125
	RICE WILLIAM MARSH UNIVERSITY	Texas	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	42
	SACHS-FREEMAN ASSOCIATES INC	Maryland	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	225
	SEVERN COMMUNICATIONS CORP	Maryland	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-RESEARCH	75
	R&D TOTAL				1,636
AR22	CALIFORNIA INST OF TECHNOLOGY	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	211
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	203
	MAYFLOWER COMMUNICATION CO	Mass	NAVY	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	100
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	5,348
	STANFORD UNIVERTSITY	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	114
	UTAH STATE UNIVERSITY	Utah	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-EXP DEV	653
	R&D TOTAL				6,629
AR23	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-ADV DEV	400
	GRUMMAN AEROSPACE CORPORATION	New York	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-ADV DEV	74,499
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-ADV DEV	74,681
	TRW INC	California	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-ADV DEV	2,447
	R&D TOTAL				152,027
AR25	AEROJET ELECTROSYSTEMS CO	California	USAF	RDTE/SPACE SCIENCE APPLIC &TECH-OP SYS DEV	3,805
	AEROSPACE CORPORATION	California	USAF	RDTE/SPACE SCIENCE APPLIC &TECH-OP SYS DEV	367,000
	INTERNATIONAL BUS MCHS CORP	California	USAF	RDTE/SPACE SCIENCE APPLIC &TECH-OP SYS DEV	940
		Colorado	USAF	RDTE/SPACE SCIENCE APPLIC &TECH-OP SYS DEV	9,764
	CONTRACTOR TOTAL				10,704
	MASSACHSTTS INST OF TCHNOLOGY	Mass	NAVY	RDTE/SPACE SCIENCE APPLIC &TECH-OP SYS DEV	100
	O A O CORPORATION	California	USAF	RDTE/SPACE SCIENCE APPLIC &TECH-OP SYS DEV	197

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AR25 (CONTINUED)					
	RCA CORPORATION	New Jersey	USAF	RDTE/SPACE SCIENCE APPLIC &TECH-OP SYS DEV	$ 13,082
	STANFORD TELECOMMUNICATIONS	California	USAF	RDTE/SPACE SCIENCE APPLIC &TECH-OP SYS DEV	703
	TRW INC	California	USAF	RDTE/SPACE SCIENCE APPLIC &TECH-OP SYS DEV	68,477
	R&D TOTAL				464,068
AR26	FOSTER-MILLER INC	Mass	USAF	RDTE/SPACE SCIENCE APPLIC & TECH-MGMT SUP	286
AR32	DEFENSE SYSTEMS INC	Virginia	NAVY	RDTE/SPACE TRANSPORTATION SYSTEMS-EXP DEV	2,078
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-EXP DEV	327
	R&D TOTAL				2,405
AR33	BALL CORPORATION	Colorado	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	2,200-
	DYNETICS INC	Alabama	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	276
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	331
	INTERNATIONAL BUS MCHS CORP	Texas	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	1,488
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	7,281
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ADV DEV	4,678
	R&D TOTAL				11,854
AR34	BOEING COMPANY THE	Washington	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	53,305
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	238,088
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	SYGNETRON PROTECTION SYSTEMS	Maryland	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	2,248
	TRIDENT DATA SYSTEMS INC	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	350
	U S B I CO	Alabama	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-ENGR DEV	3,600
	R&D TOTAL				311,991

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AR35	ASTRON RESEARCH & ENGINEERING	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	$ 178
	BALL CORPORATION	Colorado	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	966
	BOEING COMPANY THE	Washington	USAF	RDTE/SPACE TRANSPORTATION SYS OP SYS DEV	161
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	2,600
	INFOTEC DEVELOPMENT INC	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	400
	MARTIN MARIETTA CORPORATION	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	1,655
		Colorado	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	9,777
	CONTRACTOR TOTAL				11,432
	MC DONNELL DOUGLAS CORPORATION	Florida	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	857
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/SPACE TRANSPORTATION SYS-OP SYS DEV	1,982-
	R&D TOTAL				14,612
AR36	TRIDENT DATA SYSTEMS INC	California	USAF	RDTE/SPACE TRANSPORTATION SYSTEMS-MGMT SUP	1,372
AR41	BDM CORPORATION	Virginia	USAF	RDTE/SPACE TRACKING & DATA ACQ - RESEARCH	49
	NORTHWESTERN UNIVERSITY	Illinois	NAVY	RDTE/SPACE TRACKING & DATA ACQ - RESEARCH	528
	R&D TOTAL				577
AR43	GENERAL ELECTRIC COMPANY	Penn	NAVY	RDTE/SPACE TRACKING & DATA ACQ - ADV DEV	82
	PHOTON RESEARCH ASSOCIATES	California	NAVY	RDTE/SPACE TRACKING & DATA ACQ - ADV DEV	1,298
	R&D TOTAL				1,380
AR44	ANALYTIC SCIENCES CORP	Mass	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	80
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	100
	INTERFEROMETRICS INC	D.C.	NAVY	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	171
		Virginia	NAVY	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	396
	CONTRACTOR TOTAL				567
	INTERMETRICS INC	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	98
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	140
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	2,896
	SRI INTERNATIONAL	California	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	98

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AR44 (CONTINUED)					
	TEXAS INSTRUMENTS INCORPORATED	Texas	USAF	RDTE/SPACE TRACKING & DATA ACQ - ENGR DEV	$ 10,826
R&D TOTAL					14,805
AR45	AEROJET ELECTROSYSTEMS CO	California	USAF	RDTE/SPACE TRACKING &DATA ACQ - OP SYS DEV	15,931
	BALL CORPORATION	Colorado	USAF	RDTE/SPACE TRACKING &DATA ACQ - OP SYS DEV	2,354
	INTERNATIONAL BUS MCHS CORP	Colorado	USAF	RDTE/SPACE TRACKING &DATA ACQ - OP SYS DEV	18,997
	LITTON SYSTEMS INC	California	USAF	RDTE/SPACE TRACKING &DATA ACQ - OP SYS DEV	1,329
R&D TOTAL					38,611
AR46	BERNER LANPHIER AND ASSOC	Maryland	USAF	RDTE/SPACE TRACKING & DATA ACQ - MGMT SUP	410
	DYNCORP	New Mexico	ARMY	RDTE/SPACE TRACKING & DATA ACQ - MGMT SUP	5,462
	PERKIN ELMER CORPORATION	Conn	USAF	RDTE/SPACE TRACKING & DATA ACQ - MGMT SUP	192
R&D TOTAL					6,064
AR53	BRUSH WELLMAN INC	Ohio	USAF	RDTE/SPACE & TERRESTRIAL APPLIC - ADV DEV	550
AR91	AUBURN UNIVERSITY	Alabama	NAVY	RDTE/OTHER SPACE - RESEARCH	1,762
	CCE	California	USAF	RDTE/OTHER SPACE - RESEARCH	55
	GENERAL RESEARCH CORPORATION	California	USAF	RDTE/OTHER SPACE - RESEARCH	15,148
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/OTHER SPACE - RESEARCH	848
	MASSACHSETTS TECHNOLOGICAL LAB	Maryland	ARMY	RDTE/OTHER SPACE - RESEARCH	105
	SOFTWARE TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER SPACE - RESEARCH	255
	TRW INC	California	USAF	RDTE/OTHER SPACE - RESEARCH	848
	WRIGHT STATE UNIVERSITY	Ohio	USAF	RDTE/OTHER SPACE - RESEARCH	52
R&D TOTAL					19,073
AR92	ADVANCED COMPOSITE PRODUCTS	Conn	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	85
	HELIX TECHNOLOGY CORPORATION	Mass	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	82-
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	27-
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	13,391

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AR92 (CONTINUED)						
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT	$	275
	MC DONNELL DOUGLAS CORPORATION	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		28-
	MISSION RESEARCH CORPORATION	California	NAVY	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		345
	PERKIN ELMER CORPORATION	Conn	NAVY	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		4,730
	SCHAFER W J ASSOCIATES INC	Mass	NAVY	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		100
	SCIENCE APPLICATIONS INTL CORP	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		5,410
	TRW INC	California	USAF	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		9,847
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	NAVY	RDTE/OTHER SPACE - EXPLORATORY DEVELOPMENT		154
	R&D TOTAL					34,200
AR93	AEROJET TECHSYSTEMS CO	California	NAVY	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		260-
	AVCO CORPORATION	Mass	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		260-
	BALL CORPORATION	Colorado	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		5,734
	E-SYSTEMS INC	Virginia	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		82
	FORD AEROSPACE	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		8,816
	HELIX TECHNOLOGY CORPORATION	Mass	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		250
	HUGHES AIRCRAFT COMPANY	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		230
	INTERNATIONAL BUS MCHS CORP	Maryland	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		2,125
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		74,341
	MARTIN MARIETTA CORPORATION	Colorado	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		32,353
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		291-
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		500
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		99,094
	TRW INC	California	USAF	RDTE/OTHER SPACE - ADVANCED DEVELOPMENT		1,050
	R&D TOTAL					223,764
AR94	BOEING COMPANY THE	Washington	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT		7,762-

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AR94 (CONTINUED)					
	GENERAL DYNAMICS CORPORATION	Missouri	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	$ 503
	GENERAL ELECTRIC COMPANY	New Jersey	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	5,000
	ITT CORPORATION	New Jersey	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	1,108
	LOCKHEED MISSILES & SPACE CO	California	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	1,510
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	20,837
	ROCKWELL INTERNATIONAL CORP	California	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	7,810
	STANFORD TELECOMMUNICATIONS	California	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	1,200
	THERMO ELECTRON CORPORATION	Mass	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	75
	TRW INC	California	USAF	RDTE/OTHER SPACE - ENGINEERING DEVELOPMENT	685
	R&D TOTAL				30,966
AR95	DRAPER CHARLES STARK LAB INC	Mass	USAF	RDTE/OTHER SPACE - OP SYSTEMS DEVELOPMENT	282
	FORD AEROSPACE	California	USAF	RDTE/OTHER SPACE - OP SYSTEMS DEVELOPMENT	8,405
	SPACE APPLICATIONS CORPORATION	California	USAF	RDTE/OTHER SPACE - OP SYSTEMS DEVELOPMENT	8,288
	WILLARD MYRA T ENTERPRISES	Oregon	USAF	RDTE/OTHER SPACE - OP SYSTEMS DEVELOPMENT	50
	R&D TOTAL				17,025
AR96	ATLANTIC AEROSPACE ELECTRONICS	Maryland	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	100
		Virginia	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	51
	CONTRACTOR TOTAL				151
	B D SYSTEMS INC	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	350
	DECISION-SCIENCE APPLICATIONS	Virginia	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	99
	DEFENSE SYSTEMS INC	Virginia	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	50
	GENERAL DYNAMICS CORPORATION	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	19,951
	GIGABIT LOGIC INC	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	225
	INDEPENDENT RISK ASSESSMENT	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	49
	INTERSPEC INC	Penn	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	149

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AR96 (CONTINUED)					
	MC DONNELL DOUGLAS CORPORATION	Missouri	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	$ 150
	NICHOLS RESEARCH CORPORATION	Alabama	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	901
	PERCEPTRONICS INC	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	46
	SCI SYSTEMS INC	Alabama	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	33
	TRW INC	California	USAF	RDTE/OTHER SPACE - MANAGEMENT SUPPORT	49
	R&D TOTAL				22,203
AS11	DAINA	Minnesota	NAVY	RDTE/TRANSPORTATION - AIR - RESEARCH	46
	TWIN TOWN LEASING CO INC	Florida	NAVY	RDTE/TRANSPORTATION - AIR - RESEARCH	73
	R&D TOTAL				119
AS24	MC KENNA-DAVIS TRUCKS INC	N Carolina	ARMY	RDTE/TRANSPORTATION - MOTOR VEH - ENG DEV	117
AS34	CHAMBERLAIN MANUFACTURING CORP	Illinois	ARMY	RDTE/TRANSPORTATION - RAIL - ENG DEV	3,728
AS92	SACHS-FREEMAN ASSOCIATES INC	Maryland	NAVY	RDTE/OTHER MODAL TRANSPORTATION - EXP DEV	168
AS95	E M I TECHNOLOGIES INC	New Mexico	USAF	RDTE/OTHER MODAL TRANSPORTATION-OP SYS DEV	367
	VITRO CORPORATION	Maryland	NAVY	RDTE/OTHER MODAL TRANSPORTATION-OP SYS DEV	98
	R&D TOTAL				465
AT13	FAIREY ENGINEERING LTD	GABON	NAVY	RDTE/TRANS - HWYS-ROADS-BRIDGES - ADV DEV	26
	FOSTER-MILLER INC	Mass	ARMY	RDTE/TRANS - HWYS-ROADS-BRIDGES - ADV DEV	1,235
	R&D TOTAL				1,261
AT14	FOSTER-MILLER INC	Mass	ARMY	RDTE/TRANS - HWYS-ROADS-BRIDGES - ENG DEV	925
	ISRAEL MILITARY INDUSTRIES	ISRAEL	ARMY	RDTE/TRANS - HWYS-ROADS-BRIDGES - ENG DEV	39
	R&D TOTAL				964
AU91	L. N. K. CORPORATION	Maryland	NAVY	RDTE/OTHER COMMODITY TRANS - RESEARCH	250
AV13	INGERSOLL-RAND COMPANY	Texas	NAVY	RDTE/SUBSURFACE MINING EQUIPMENT-ADV DEV	377
AV32	HONEYWELL INC	Minnesota	NAVY	RDTE/SUBSURFACE MINING METHODS - EXP DEV	1,864
	LORAL CORPORATION	Ohio	NAVY	RDTE/SUBSURFACE MINING METHODS - EXP DEV	1,864

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
	R&D TOTAL				$ 3,728
AV51	A A I CORPORATION	Maryland	ARMY	RDTE/MINING RECLAMATION METHODS - RESEARCH	260
AZ11	A B A M ENGINEERS INC	Washington	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	94
	A T & T TECHNOLOGIES INC	N Carolina	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	195
	ACADEMY OF APPLIED SCIENCE INC	N.H.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	41
	ADVANCED COMPOSITE PRODUCTS	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	372
	ADVANCED TECH MATERIALS INC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	67
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	47
	ALLIED SIGNAL AEROSPACE CO	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	7,430
		Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,762
	CONTRACTOR TOTAL				9,192
	ALPHATECH INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	39
	AMERASIA TECHNOLOGY INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	248
	ANALYTIC SCIENCES CORP	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	160
	STATE TOTAL				240
	ANALYTICA OF BRANFORD INC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	156
	ANATRACE INC	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	APPLIED RESEARCH ASSOC INC	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
	APPLIED RESEARCH CORPORATION	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	279
	APPLIED TCHNLOGY ASSOC INC DEL	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	350
	APTEK INC	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	549
	STATE TOTAL				624
	ARCHITECTURAL ENERGY CORP	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	184
	ARIZONA STATE UNIVERSITY	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	264
	ARL INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELCPMENT-RESEARCH	685

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	ARON VECHT & ASSOCIATES	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 100
	ASSURANCE TECHNOLOGY CORP	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	285
	ASTRON CORPORATION	Virginia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	264
	ASTROSYSTEMS INC	Delaware	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	212
	ATLANTIC AEROSPACE ELECTRONICS	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	ATLANTIC RESEARCH CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	523
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	449
		STATE TOTAL			972
	AVANTI POLAR LIPIDS	Alabama	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
	AXIOMATIX	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	BATTELLE MEMORIAL INSTITUTE	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	240
		Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	56
		California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	464
		Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	35
		Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	157
		D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	41
		Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	273
		Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	130
		Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	321
		Indiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	28
		Kansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	45
		Maine	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	38
		Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	187
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	3,630
		STATE TOTAL			3,817
		Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	385

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
		Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 103
		Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	99
		Missouri	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	111
		New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	277
		New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	93
		New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	210
		N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	35
		Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,729
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,314
		STATE TOTAL			4,043
		Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	114
		S Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
		Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	144
		Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	26
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	540
		Washington	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	289
	CONTRACTOR TOTAL				12,144
	BDM CORPORATION	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	240
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	299
		STATE TOTAL			539
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	324
	CONTRACTOR TOTAL				863
	BELL TELEPHONE LABS INC	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	372
	BEN GURION UNIVERSITY OF THE N	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	28
	BIO-IMAGING RESEARCH INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	43
	BOEING COMPANY THE	Washington	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	135

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	BOOZ ALLEN & HAMILTON INC	Ohio	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 5,241
	BORGMAN L E INC	Wyoming	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	25
	BOSTON COLLEGE	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	134
	BOSTON UNIVERSITY TRUSTEES OF	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	475
	BRIMROSE CORP OF AMERICA	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	500
	BROWN UNIV PRV ST RI PLAN	Rhode Isld	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	821
	BRUNEL UNIVERSITY	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	98
	C V D EQUIPMENT CORPORATION	New York	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	150
	CACI INTERNATIONAL INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	478
	CALIFORNIA INST OF TECHNOLOGY	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	938
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	137
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
		STATE TOTAL			1,105
	CALIFORNIA RES & TECHNOLOGY	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	593
	CALIFORNIA STATE UNIV - CHICO	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	115
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,379
		STATE TOTAL			1,494
	CALSPAN CORPORATION	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	199
	CAMBRIDGE CONSULTANTS LTD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	753
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	575
	CASE WESTERN RESERVE UNIV	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	354
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	62
		STATE TOTAL			416
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	71
	CAULFIELD ENGINEERING	CANADA	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	27
	CENTRO DI CULTURA SCIENTIFICA	ITALY	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	33

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R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	CERCOM INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 74
	CHAPMAN, RAY & ASSOCIATES	Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	CHEMICAL DYNAMICS CORP	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	116
	CHOCTAW ENGINEERING COMPANY, I	Miss	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	264
	CITY UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	257
	CLARKSON UNIVERSITY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	216
	CLEMSON UNIVERSITY	S Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	55
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,606
		STATE TOTAL			1,661
	COLEMAN RESEARCH CORPORATION	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	127
	COLORADO SCHOOL OF MINES	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	177
	COLORADO STATE UNIVERSITY	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,732
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	36
		STATE TOTAL			1,768
	COLUMBIA UNIVERSITY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	880
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	170
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	64
		STATE TOTAL			1,114
	COMMAND SYSTEMS GROUP INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	433
	COMMONWEALTH OF VIRGINIA	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	95
	COMPU SYSTEMS CORPORATION	Wyoming	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	COMPUTATIONAL MECHANICS	Tennessee	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	COMPUTER COMMAND & CONTROL CO	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	52
	CONNECTICUT STATE OF	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	CONSORTIUM UNIV WASH METRO	D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	374
	CONSULTANTS CHOICE INC	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	116
	CORNELL UNIVERSITY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	6,106

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 595
		STATE TOTAL			6,701
	CRESAP MCCORMICK AND PAGET	Illinois	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	560
	CRYSTAL SYSTEMS INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	CSA ENGINEERING INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	39
	CTA INCORPORATED	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	274
	D C W INDUSTRIES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	81
	DAEDALUS ENTERPRISES INC	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	669
	DARTMOUTH COLLEGE	N.H.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	172
	DEFENSE GROUP, INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	DEFENSE SYSTEMS INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	304
	DEVCON INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	DIGITAL EQUIPMENT CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	196-
	DIGITAL VIDEO PROCESSING,INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	377
	DOW CHEMICAL COMPANY THE	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	140
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
		STATE TOTAL			240
	DREXEL UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	123
	DUKE UNIVERSITY	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	812
	DYNAMAC INTERNATIONAL INC	Maryland	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,700
	DYNAMICS RESEARCH CORPORATION	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	498
	E I C LABORATORY INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
	EAGLE SYSTEMS INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	153
	EAGLE TECHNOLOGY INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	492
	EAST CAROLINA UNIVERSITY	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	59
	EATON CORPORATION	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	EG&G MASON	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 93
	ELECTRO-MAGNETIC APPLICATION	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	95
	EMCORE CORP	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	EMORY UNIVERSITY	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	219
	ENDOCHRONICS	Washington	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	28
	ENVIRON RSCH INST OF MICHIGAN	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	72
	ENVIRONMENTAL RESEARCH	Michigan	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	45
	ESSEX ELECTRO ENGINEERS INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,306-
	EVANS CHARLES & ASSOCIATES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	83
	EVANS-HAMILTON INC	Texas	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
	EXTERIOR WALL SYSTEMS EWS NC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
	FAILURE ANALYSIS ASSOCIATES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
	FAIRCHILD AIRCRAFT CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	119
	FAIRCHILD INDUSTRIES INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	650
		Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,484
	CONTRACTOR TOTAL				2,134
	FASHION INST OF TECHNOLOGY	New York	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,330
	FLORIDA ATLANTIC UNIVERSITY	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	52
	FLORIDA STATE UNIV NOT INC	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	84
	FLOUROCHEM INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	55
	FLOW INDUSTRIES INC	Washington	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	717
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	120
	STATE TOTAL				837
	FM TECHNOLOGIES INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	46
	FOSTER-MILLER INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	313

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	FRAUNHAFER GESELSCHAFT ZUR FOE	GERMANY, F	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$	295
	FRONTIER TECHNOLOGY INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		46
	G I W INDUSTRIES INC	Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		87
	GALAXY MICROSYSTEMS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		179
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		796
		Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		294
	CONTRACTOR TOTAL					1,090
	GENERAL ELECTRIC COMPANY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		2,029
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		325
	STATE TOTAL					2,354
		Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		185
	CONTRACTOR TOTAL					2,539
	GENERAL RESEARCH CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		650
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		263
	CONTRACTOR TOTAL					913
	GENTEX CORPORATION	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		1,726
	GEO-CENTERS INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		15,485
		Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		1,450
	CONTRACTOR TOTAL					16,935
	GEORGE MASON UNIVERSITY	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		35
	GEORGE WASHINGTON UNIV THE	D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		135
	GEORGETOWN UNIVERSITY	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		109
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		4,030
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		1,897
	STATE TOTAL					5,927
	GEORGIA STATE UNIVERSITY	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		51

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	GRACE W R & CO	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 119
	GROUND ENGINEERING INC	Missouri	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
	H I T INC	Alabama	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	HARRIS CORPORATION	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	346
	HARVARD COLLEGE	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	140
	HATFIELD POLYTECH CENTRE THE	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	HEBREW UNIVERSITY OF JERUSALEM	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	74
	HONEYWELL INC	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	246
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	52
		STATE TOTAL			298
	HOWARD R PADGITT & ASSOC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	177
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	4,526
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
		STATE TOTAL			4,753
	HYDROQUAL INC	New Jersey	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	183
	I I T RESEARCH INSTITUTE	Illinois	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	4,598
	IMPERIAL COLLEGE OF SCIENCE &	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	195
	INFORMTION SYSTEMS NTWRKS CORP	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	550
	INSTITUTE DE CHIMIE PHYSIQUE	SWITZERLAN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	65
	INTERFEROMETRICS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	233
	INTERNATIONAL BUS MCHS CORP	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	340
	INTERSCIENCE INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	53
	IOWA STATE UNIV SCNC	Iowa	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	ISRAEL MILITARY INDUSTRIES	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	500
	ITE INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	150

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	ITT CORPORATION	New Jersey	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 199
	J & D SCIENTIFIC INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	J P LABORATORY INC	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	82
	JAI ASSOCIATES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	90
	JAYCOR	California	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	47
		Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	36
		Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	CONTRACTOR TOTAL				143
	JOHN P WILCOX CONSULTANT	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	61
	JOHNS HOPKINS UNIVERSITY	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	218
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	STATE TOTAL				278
	KAISER OPTICAL SYSTEMS INC	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	220
	KAMAN SCIENCES CORPORATION	California	DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	916
	KANSAS STATE UNIVERSITY	Kansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
	KATHOLIEKE UNIVERSITEIT LEUVEN	BELGIUM	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	33
	KEM-TEK INC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	KETRON INC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	KOPIN CORPORATION	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	53
	KYLE EQUIPMENT CO INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	92
	L. N. K. CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	LABORATORIO NACIONAL DE	PORTUGAL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	LASER SYSTEMS & RSCH CORP	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	483
	LEHIGH UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	130
	LIGHTWAVE ELECTRONICS CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AZ11 (CONTINUED)						
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$	104
	LITTON SYSTEMS INC	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		489
	LOCKHEED CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		477
	LOCKHEED MISSILES & SPACE CO	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		180
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		172
		STATE TOTAL				352
	LOCUS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		34
	LOUISIANA STATE UNIVERSITY	Louisiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		60
	LOUISIANA TECH UNIVERSITY	Louisiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		87
	LRA LABORATORIES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		71
	LTV AEROSPACE & DEFENSE CO	Texas	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		248
	LUTRONIX INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		30
	M C R TECHNOLOGY CORP	Illinois	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		48
	M S P CORPORATION	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		52
	M/A-COM INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		101
	MACHINE INTELLIGENCE RESCH	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		39
	MAFAT DEPT OF BEHAVIORAL SCIEN	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		32
	MAGNASONICS, INC	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		50
	MANAGEMENT COMM CNTROL	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		325
	MARIQUEST INC	Texas	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		1,030
	MARQUARDT COMPANY THE	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		450
	MARTIN MARIETTA CORPORATION	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		47
		Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		49
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH		1,200
		STATE TOTAL				1,249
	CONTRACTOR TOTAL					1,296

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	MASSACHSTTS INST OF TCHNOLOGY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 6,086
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	386
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	170
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
		STATE TOTAL			6,682
	MASSACHUSETTS UNIVERSITY OF	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	851
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	88
		STATE TOTAL			939
	MAXWELL LABORATORIES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	193
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	363
		STATE TOTAL			556
		Virginia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	127
	CONTRACTOR TOTAL				683
	MAYFLOWER COMMUNICATION CO	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	325
	MC CRONE ASSOCIATES INC	Illinois	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	42
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	718
		STATE TOTAL			760
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	89
	MEGABAR CORPORATION	Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	MESA, INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	115
	MICHIGAN STATE UNIVERSITY	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	625
	MICHIGAN TCHNLGCAL UNIVERSITY	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	79
	MIDWEST BUSINESS SYSTEMS INC	Michigan	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	31
	MINNESOTA MIN & MFG COMPANY	Minnesota	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	44
	MISSION RESEARCH CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	330
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	111
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	380
		STATE TOTAL			821
	MISSISSIPPI STATE UNIVERSITY	Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	220
	MODUSPEC COMPANY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	MOLECULAR DEVICES CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 517
	MONTANA STATE UNIVERSITY	Montana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	MOTOROLA INC	Arizona	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	110
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	NATIONAL ACADEMY SCIENCES USA	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
		D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	898
	CONTRACTOR TOTAL				968
	NATIONAL COMPUTING CENTRE LTD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	38
	NEW HAMPSHIRE UNIVERSITY SYS	N.H.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,084
	NEW MXICO INST OF MIN TCHNLGY	New Mexico	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	185
	NEW YORK UNIVERSITY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	275
	NIELSEN ENGINEERING AND RES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	189
	NORTH CAROLINA STATE UNIV	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,299
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	267
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	25
	STATE TOTAL				1,591
	NORTH DAKOTA ST UNIVER ALUMNI	N Dakota	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	33
	NORTHEASTERN UNIVERSITY CORP	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	82
	NORTHWEST HYDRAULIC CONS	Washington	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	NORTHWESTERN UNIVERSITY	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	148
	NUCLEAR METALS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	150
	OCLI OPTICAL COATINGS LTD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	90
	OHIO STATE UNIVERSITY	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	249
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	99
	STATE TOTAL				398

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	OKLAHOMA STATE UNIVERSITY	Oklahoma	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 160
	OLD DMNION UNIV RES FUNDATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	170
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	62
		STATE TOTAL			232
	OPEN UNIVERSITY	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	29
	OPTECH, INC	CANADA	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	238
	OPTIMETRICS INC	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	4,455
	OUACHITA BAPTIST UNIVERSITY	Arkansas	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	13
	P C O INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	37
	PAIRCON CORP	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	PANAMETRICS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	PENGUIN SOFTWARE INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	299
	PENNSYLVANIA STATE UNIV THE	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,172
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
		STATE TOTAL			1,222
	PERCEPTICS CORPORATION	Tennessee	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	250
	PERCEPTRONICS MAN MACH SYS LTD	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	47
	PHOTO METRIC INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	78
	PHYSICAL RESEARCH INC	Alabama	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
	PHYSICAL SCIENCES INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	POLYTECHNIC UNIV OF NEW YORK	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	273
	POTOMAC RESEARCH, INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	POUR LE DEVEL DE LA RECHERCHE	FRANCE	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	26
	PRECISION ACOUSTIC DEVICES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	46
	PRINCETON UNIVERSITY	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	820
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	603
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	612

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 42
		STATE TOTAL			1,257
	Q S D INCORPORATED	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	66
	Q-DOT INC	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	459
	QUEEN ELIZABETH COLLEGE	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	QUEST STRUCTURES	California	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	RAYTHEON-NORTHRP INWS JNT VNTR	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	RECON OPTICAL INC	Illinois	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	168
	REG OF UNIV OF COLORADO, THE	Colorado	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	71
	REKENTHALER TECHNOLOGY ASSOC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	45
	RENSSELAER POLYTECHNIC INST	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,453
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	103
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
		STATE TOTAL			1,656
	RESEARCH TRIANGLE INSTITUTE	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	57
	RICARDO CONSULTING ENGINEERS	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	114
	RICE WILLIAM MARSH UNIVERSITY	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	399
	RIEDEL INTERNATIONAL INC	Oregon	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	357
	ROBINTECH INCORPORATED	Utah	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	432
	ROCKWELL INTERNATIONAL CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	948
	ROYAL COLLEGE (MILITARY) OF SC	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	ROYAL INSTITUTION	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	35
	RUTGERS THE STATE UNIVERSITY	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	271
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	600
		STATE TOTAL			871
	S T SYSTEMS CORPORATION	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	70
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,387

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
		Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 640
	CONTRACTOR TOTAL				3,027
	SAXPY COMPUTER CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	SCHAFER W J ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	300
	SCHOTT GLASS TECHNOLOGIES INC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	196
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	415
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	490
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
		STATE TOTAL			965
		Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	168
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	210
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	175
		STATE TOTAL			385
	CONTRACTOR TOTAL				1,518
	SCIENTIFIC ENGINEERING INSTRS	Nevada	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	178
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	250
		STATE TOTAL			428
	SCISO INC	New Mexico	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	SECO-DYN INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	90
	SEDIMENT INSTRU RES DEVE	Illinois	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	97
	SHENANDOAH SYSTEMS CO INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	85
	SIERRA GEOPHYSICS INC	Washington	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	192
	SIGCOM INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	SKI MEDIA LTD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	53
	SOFTWARE ARCHITECTURE & ENGRG	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	SOUTHERN METHODIST UNIVERSITY	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,329

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	SOUTHWEST RESEARCH INSTITUTE	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 597
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	39
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,815
		STATE TOTAL			2,451
	SPACE COMPUTER CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	SPIRE CORPORATION	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	57
	SPRINGBORN GROUP INC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	97
	SRI INTERNATIONAL	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,126
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	245
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	155
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,839
		STATE TOTAL			3,365
	STANFORD UNIVERTSITY	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,944
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	250
		STATE TOTAL			3,194
	STATE OF OKLAHOMA	Oklahoma	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	108
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
		STATE TOTAL			138
	STATE UNIVERSITY OF NEW YORK	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	284
	STEVENS INSTITUTE TECHNOLOGY	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	147
	STRATEGY CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	98
	SUNOL SCIENCES CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	SUPER RADIANT SYSTEMS	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	SURFACE OPTICS CORP	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	SUSQUEHANNA RESOURCS ENVRNMNT	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
	SWALES & ASSOCIATES	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	153
	SYNTERIALS	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	SYRACUSE UNIVERSITY	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	244

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	SYSTEMS ENGINEERING ASSOCIATE	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 770
	TECHNICAL SOLUTIONS INC	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	337
	TECHNION RESEARCH & DEVELOPMEN	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	37
	TECHNION-ISRAEL INSTITUTE OF T	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
	TEKMARINE INC	California	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	96
	TEL AVIV UNIVERSITY	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
	TERRA TEK INC	Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	45
	TESECO SRL	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	99
	TEXAS A & M UNIV SYS THE	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	436
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	80
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
		STATE TOTAL			591
	TEXAS INSTRUMENTS INCORPORATED	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	300
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	333
		STATE TOTAL			633
	TEXAS RESEARCH INSTITUTE INC	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	212
	THE DOW CHEMICAL CO	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	490
	THE LONDON SCHOOL & ECONOMICS	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	86
	TRACER TECHNOLOGIES INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	TRACOR-HYDRONAUTICS, INC	Maryland	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	440
	TRANSPORTATION RES ANTYZNG CTR	Florida	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	36
	TRI TESSCO	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	82
	TRW INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	289
		Georgia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	33
	CONTRACTOR TOTAL				322
	TS INFOSYSTEMS INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	85

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	TUFTS UNIVERSITY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 115
	UNIFIED INDUSTRIES INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	320
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	140
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	65
		STATE TOTAL			205
	UNIV OF COLORADO	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	41
	UNIV OF MED & DENTISTRY OF NJ	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	UNIV OF NORTH TEXAS	Texas	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	37
	UNIVER/PGH COMMON SYST EDUC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	234
	UNIVERSAL PROPULSION COMPANY	Arizona	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	49
	UNIVERSIDAD DE OVIEDO	SPAIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	UNIVERSITE PARIS-DAUPHINE	FRANCE	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	47
	UNIVERSITY NOTRE DAME	Indiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	68
	UNIVERSITY OF AKRON	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	79
	UNIVERSITY OF ALABAMA	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	95
	UNIVERSITY OF ALBERTA	CANADA	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	40
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	183
	UNIVERSITY OF ARKANSAS	Arkansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	UNIVERSITY OF BRISTOL	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	100
	UNIVERSITY OF CALIFORNIA	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	3,691
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	52
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	120
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	422
		STATE TOTAL			4,285
	UNIVERSITY OF CAMBRIDGE	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	32
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	400
	UNIVERSITY OF CINCINNATI	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	348

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
		Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 100
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	136
		STATE TOTAL			236
	CONTRACTOR TOTAL				584
	UNIVERSITY OF COLORADO	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	869
	UNIVERSITY OF CONNECTICUT	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	229
	UNIVERSITY OF DAYTON INC	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	424
			DLA	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	150
		STATE TOTAL			574
	UNIVERSITY OF DELAWARE	Delaware	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	781
	UNIVERSITY OF FLORIDA	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	686
	UNIVERSITY OF GEORGIA	Georgia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	35
	UNIVERSITY OF HAIFA	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	42
	UNIVERSITY OF HOUSTON SYSTEM	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	277
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	4,478
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	346
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	48
		STATE TOTAL			4,872
	UNIVERSITY OF IOWA THE	Iowa	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	110
	UNIVERSITY OF KANSAS	Kansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	103
	UNIVERSITY OF KENTUCKY	Kentucky	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	98
	UNIVERSITY OF LEEDS	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	28
	UNIVERSITY OF LINZ	AUSTRIA	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	UNIVERSITY OF LUND	SWEDEN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	UNIVERSITY OF MARYLAND	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,135
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	522
		STATE TOTAL			1,657

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	UNIVERSITY OF MIAMI INC	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 135
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	95
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	33
		STATE TOTAL			263
	UNIVERSITY OF MICHIGAN	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,801
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	530
		STATE TOTAL			3,331
	UNIVERSITY OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	489
	UNIVERSITY OF MISSISSIPPI	Miss	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	90
	UNIVERSITY OF MISSOURI	Missouri	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	234
	UNIVERSITY OF NEBRASKA	Nebraska	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	334
	UNIVERSITY OF NEW MEXICO	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	84
	UNIVERSITY OF NORTH CAROLINA	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	537
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
		STATE TOTAL			587
	UNIVERSITY OF NOTTINGHAM	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
	UNIVERSITY OF OKLAHOMA	Oklahoma	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
	UNIVERSITY OF OXFORD	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	34
	UNIVERSITY OF PENNSYLVANIA	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,748
	UNIVERSITY OF READING	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	57
	UNIVERSITY OF RHODE ISLAND	Rhode Isld	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	316
	UNIVERSITY OF ROCHESTER	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,348
	UNIVERSITY OF SOUTH CAROLINA	S Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	188
	UNIVERSITY OF SOUTHERN CALIF	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,387
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	346
		STATE TOTAL			1,733
	UNIVERSITY OF SOUTHERN MISSISS	Miss	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	89
	UNIVERSITY OF ST ANDREWS	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	26-

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	UNIVERSITY OF STRATCLYDE	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 35
	UNIVERSITY OF SURREY	UNITED KIN	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	30
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,540
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	104
		STATE TOTAL			2,644
	UNIVERSITY OF UTAH	Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	121
	UNIVERSITY OF VIRGINIA	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	52
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	600
	CONTRACTOR TOTAL				652
	UNIVERSITY OF WASHINGTON	Washington	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	281
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	2,671
			OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	90
		STATE TOTAL			2,761
	UNIVERSITY OF WYOMING	Wyoming	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	83
	UNIVERSITY RES FOUNDATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	UTAH STATE UNIVERSITY	Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	55
	VECTORVISION	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	VERAC INCORPORATED	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	280
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	298
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	308
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	381
		STATE TOTAL			689
	VREULS RESEARCH CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	64
	WADDAN SYSTEMS	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	65
	WALLACE T H INC	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	951
	WAYNE STATE UNIVERSITY	Michigan	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	305

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ11 (CONTINUED)					
	WEIDLINGER ASSOCIATES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	$ 40
	WEIZMANN INSTITUTE THE	ISRAEL	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	179
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	WESTERN RESEARCH CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,187
	WESTINGHOUSE ELECTRIC CORP	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	1,442
	WICKERSHEIMER ENGINEERS	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	60
	WILSON-HILL ASSOCIATES INC	D.C.	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	211
	WOODS HOLE OCEANOGRAPHC INSTN	Mass	OCE	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	32
	WYKO CORP	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	50
	XEROX CORPORATION	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	57
	YALE UNIVERSITY	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	339
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	75
		STATE TOTAL			414
	YESHIVA UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	377
	ZETA-TECH ASSOCIATES	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-RESEARCH	25
R&D TOTAL					218,581
AZ12	A A I CORPORATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	124
	A K M ASSOCIATES	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	54
	ABLE CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	118
	ADCOM SYSTEMS, INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	30
	ADVANCED TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	581
	AERODYNE RESEARCH INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	593
	AEROJET ORDNANCE COMPANY	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	300
	ALLIED SIGNAL AEROSPACE CO	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,977

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELCPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	$ 60
	STATE TOTAL				2,037
	AMRON CORPORATION	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	60
	ANRO ENGINEERING CONSULTANTS	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	100
	APPLICATIONS RESEARCH CORP	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	100
	APPLIED PHYSICS TECHNOLOGY	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	67
	APPLIED RESEARCH ASSOC INC	New Mexico	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	105
		N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	65
	CONTRACTOR TOTAL				170
	AQUANAUTICS CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	ARIZONA STATE UNIVERSITY	Arizona	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	45
	ARMAMENT SYSTEMS INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	438
	ASSESSMENT SYSTEMS CORPORATION	Minnesota	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	33
	BBN LABORATORIES	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	168
	BDM CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	231
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	222
	BEND RESEARCH INC	Oregon	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	99
	BIO-IMAGING RESEARCH INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	90
	BOEING COMPANY THE	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	219
	CALCULEX, INC	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	51
	CALIFORNIA RES & TECHNOLOGY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	173
	CANADIAN COMMERCIAL CORPORATN	CANADA	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	139
	CARLOW ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	133

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AZ12 (CONTINUED)						
	CARNEGIE-MELLON UNIVERSITY	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	$	92
	CATHOLIC UNIVERSITY OF AMERICA	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		40
	CERAMATEC INC	Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		98
	CHASE CONSULTANTS INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	COBRO CORPORATION	Missouri	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		34
	COE-TRUMAN TECHNOLOGIES INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		211
	COLUMBIA UNIVERSITY	New York	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		92
	COMPUSEC, INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		261
	CONSOLIDATED CONTROLS CORP	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		81
	DAVID SARNOFF RESEARCH LABS	New Jersey	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		454
	DCS CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	DISPLAYTECH INC	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	DREXEL UNIVERSITY	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		100
	DUKE UNIVERSITY	N Carolina	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		60
	DYNETICS INC	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	E A I CORPORATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		179
	E I C LABORATORY INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		409
	EASTPORT INTERNATIONAL	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		102
	EASTPORT INTERNATIONAL INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		927
	ELECTRONIC IMAGE SYSTEMS INC	Ohio	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	ELECTROSYN CORP	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	ENVIRONMENTAL SCIENCE & ENGRG	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		90
	ESSEX CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		110
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		48
		STATE TOTAL				158

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	FMC CORPORATION	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	$ 644
	FORD AEROSPACE	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	473
	FOSTER-MILLER INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	397
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	65
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	176
	STATE TOTAL				241
	GENERAL ELECTRIC COMPANY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	90
		New York	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	145
		Vermont	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	134
	CONTRACTOR TOTAL				369
	GENERAL MOTORS CORPORATION	Indiana	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	900
	GENESIS CONSULTANTS LTD,QSI,IN	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	149
	GEO-CENTERS INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	641
		Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	317
	CONTRACTOR TOTAL				958
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	139
	GOODRICH B F COMPANY THE	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	62
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	99
	GUMBS ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	H R TEXTRON INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	628
	HARRIS CORPORATION	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	198
	HONEYWELL INC	Minnesota	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	HUGHES AIRCRAFT COMPANY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	240
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	640
	STATE TOTAL				880
	HUMRRO INTERNATIONAL INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
	HY-TECH RESEARCH CORP	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	68

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	HYESON CHUN ZEMANY	N.H.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	$ 42
	I I T RESEARCH INSTITUTE	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	122
	I L C DATA DEVICE CORP DEL	Delaware	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	74
	I L C INDUSTRIES DELAWARE	Delaware	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
	IMAGE ACOUSTICS INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	73
	IMO DELAVAL	Ohio	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	900
	INSTITUTE FOR TECHNOLOGY DEV	Miss	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
	INSTITUTE OF GAS TECHNOLOGY	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	247
	INTER-NATIONAL RES INSTITUTE	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	97
	IOWA STATE UNIV SCNC	Iowa	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	136
	IRVIN GREAT BRITAIN LTD	UNITED KIN	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	149
	J R M ASSOCIATES	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	28
	JAYCOR	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	160
	KAMAN AEROSPACE CORPORATION	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	74
	KEO CONSULTANTS	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	121
	KRAUSE P C & ASSOCIATES INC	Indiana	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	LASER SCIENCE, INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	218
	LAZER TECHNOLOGY ASSOC INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	49
	LITTLE ARTHUR D INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	513
	LITTON SYSTEMS INC	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	643
	LOCKHEED MISSILES & SPACE CO	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	5,074
	LOGISTICS MANAGEMENT ENGRG	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	88
	MAGNAVOX GOVT & INDUST ELECTR	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	232
	MAINTENANCE REQUIREMENTS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	MARK RESOURCES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	59

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	MARTIN MARIETTA CORPORATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	$ 279
	MASSACHSTTS INST OF TCHNOLOGY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	36
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	225
	MAXWELL LABORATORIES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	109
	MC DONNELL DOUGLAS CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
		Missouri	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	555
	CONTRACTOR TOTAL				605
	MC DONNELL DOUGLAS HELICOPTER	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,183
	MEDFORD N HOGMON	Conn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	49
	MEGABAR CORPORATION	Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40-
	MESOSCALE ENVIRONMENTAL	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	49
	MIPLY EQUIPMENT, INC	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	27
	MISSION RESEARCH CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	528
	MSNW INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	48
	N K F ENGINEERING INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	NEW ENGLAND RESEARCH INC	Vermont	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	27
	NEW MEXICO STATE UNIVERSITY	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	35
	NRC INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	29
	OHIO STATE UNIVERSITY	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	73
	OKLAHOMA STATE UNIVERSITY	Oklahoma	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	213
	OPTIMETRICS INC	Michigan	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	59
	OPTRA INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	347
	OREGON STATE UNIVERSITY	Oregon	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	99
	PACIFIC SIERRA RESEARCH CORP	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	275
	PARASOFT CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	PARKE MATHEMATICAL LABS	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	$ 361
	PENNSYLVANIA STATE UNIV THE	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	215
	PERCEPTICS CORPORATION	Tennessee	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	PHILLIPS ENGINEERING CO	Michigan	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	49
	PHOTO METRIC INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	49
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	494
	STATE TOTAL				543
	PHYSICAL DYNAMICS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	PHYSICS INTERNATIONAL COMPANY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	483
	PIEZO SONA TOOL CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	93
	POLAR RESEARCH LABORATORY INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	29
	POLYTECHNIC UNIV OF NEW YORK	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	60
	POTOMAC RESEARCH, INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	173
	POWERTRONIC SYSTEMS INC	Louisiana	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	48
	PRINCETON UNIVERSITY	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	263
	QUANTEX CORPORATION	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	75
	QUANTIC INDUSTRIES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	R D P INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
	RADANT SYSTEMS INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	692
	RADEX INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	619
	RADIATION MONITORING DEVICES	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	RADIATION RESEARCH ASSOCIATES	Texas	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	201
	RAYTHEON COMPANY	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	170
	RESHET INCORPORATED	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	48
	S S G INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	90

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

AZ12 (CONTINUED)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	$	115
		Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		542
	CONTRACTOR TOTAL					657
	SATCON TECHNOLOGY CORPORATION	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		100
	SCHMIDT & ASSOCIATES INC	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		300
	SCIENCE APPLICATIONS INTL CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		118
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		45
	CONTRACTOR TOTAL					163
	SCIENCE RESEARCH LABORATORY	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		835
	SEPARATION SYSTEMS TECHNOLOGY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		100
	SOCIETY OF AUTO ENGINEERS	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		173
	SOFTWARE CONSULTANT INTL LTD	Washington	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		47
	SOFTWARE PRODUCTIVITY SOLUTNS	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	SOUTHERN RESEARCH INSTITUTE	Alabama	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		281
	SPARTA INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		57
	SPECIALTY PLASTICS INC	Louisiana	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	SPRINGBORN GROUP INC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		52
	STATE OF OKLAHOMA	Oklahoma	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		219
	SUBSEA ENGINEERING ASSOCIATES	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		306
	SUNDSTRAND CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		1,912
	SURVICE ENGINEERING COMPANY	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		239
	SUTRON CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		50
	SYNTECH MATERIALS, INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		49
	SYSTEMS RESEARCH LABORATORIES	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		197
	TACAN CORPORATION	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV		85

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	TECHNOLOGY APPLICATIONS	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	$ 69
	TEXAS A & M UNIV SYS THE	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	100
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	150
		STATE TOTAL			250
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	292
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	249
			NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	318
		STATE TOTAL			567
		Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	298
	CONTRACTOR TOTAL				865
	UNIVERSITY OF ARIZONA	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	151
	UNIVERSITY OF ARKANSAS	Arkansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	65
	UNIVERSITY OF CINCINNATI	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	497
	UNIVERSITY OF ILLINOIS	Illinois	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,818
	UNIVERSITY OF KENTUCKY	Kentucky	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	56
	UNIVERSITY OF MARYLAND	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	UNIVERSITY OF OKLAHOMA	Oklahoma	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	755
	UNIVERSITY OF UTAH	Utah	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,123
	VIASAT INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	245
	VIRGINIA PLYTCHNIC INST/ST UNI	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	32
	VISTA CONTROLS INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	50
	VITRO CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	47
	WALLACE T H INC	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	1,080
	WASHINGTON STATE UNIVERSITY	Washington	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	54
	WASHINGTON UNIVERSITY	Missouri	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	84
	WESTINGHOUSE ELECTRIC CORP	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	171

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ12 (CONTINUED)					
	WOODWARD-CLYDE CONSULTANTS	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	$ 170
	WRIGHT STATE UNIVERSITY	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	41-
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-EXP DEV	40
	STATE TOTAL				1-
R&D TOTAL					48,539
AZ13	ADVANCED TECHNOLOGY INC	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	517
	ANACAPA SCIENCES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	509
	ANALYTIC SCIENCES CORP	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	166
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	50
	BATTELLE MEMORIAL INSTITUTE	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	408-
	BATTERY INTERNATIONAL INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	50
	BDM CORPORATION	Virginia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	63
	BELL HELICOPTER TEXTRON INC	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	88-
	BIOSPHERICAL INSTRUMENTS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	50
	BOEING COMPANY THE	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	16,800
		Washington	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	57
	CONTRACTOR TOTAL				16,857
	BURKE INDUSTRIES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	79
	C M S RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	65
	C V D INCORPORATED	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	1,513
	CARNEGIE-MELLON UNIVERSITY	Penn	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	21,690
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	701
	DWA COMPOSITE SPECIALTIES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	50
	EXTREL CORPORATION	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	650
	FABEL SYS CORP	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	356

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ13 (CONTINUED)					
	FOOD INNOVATIONS, INC	Louisiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	$ 52
	FORD AEROSPACE	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	120
	FOSTER-MILLER INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	60
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	72
		STATE TOTAL			132
	GA TECHNOLOGIES INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	1,750
	GENERAL DYNAMICS CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	303
	GENERAL ELECTRIC COMPANY	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	818
	GIANNOTTI & ASSOCIATES	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	39
	GIORDANO ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	93
	GNB INCORPORATED	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	178
	GRUMMAN AEROSPACE CORPORATION	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	1,523
	HONEYWELL INC	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	86
	INFORMATION RESEARCH LAB	Arkansas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	95
	INTERNATIONAL BUS MCHS CORP	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	14,586
	INTERNATL SENSOR TECHNOLOGY	Washington	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	635
	K M S FUSION INC	Michigan	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	250
	KETRON INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	85
	LOCKHEED MISSILES & SPACE CO	Alabama	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	1,579
		Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	100
	CONTRACTOR TOTAL				1,679
	MASSACHSTTS INST OF TCHNOLOGY	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	89
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	367,248
		STATE TOTAL			367,337
	MASTER BOND INC	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	73
	MCDONNELL DGLS BELL HEL TEX JV	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	14,000

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION		
AZ13 (CONTINUED)						
	NEW MXICO INST OF MIN TCHNLGY	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	$	599
	O A O CORPORATION	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		300
	ORINCON CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		988
	PRESEARCH INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		71
	R & D ASSOCIATES	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		49
	RAYTHEON SERVICE COMPANY	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		501
	RECOGNITION CONCEPTS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		53
	RENSSELAER POLYTECHNIC INST	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		55
	RGI INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		991
	SACHS-FREEMAN ASSOCIATES INC	D.C.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		67
		Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		703
	CONTRACTOR TOTAL					770
	SCIENCE APPLICATIONS INTL CORP	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		133
	SUNPOWER INC	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		783
	TECOLOTE RESEARCH INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		557
	TELEDYNE WAH CHANG	Oregon	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		133
	TEXAS INSTRUMENTS INCORPORATED	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		165
	TEXTILE TECHNOLOGIES INC	Penn	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		66
	THERMACORE INC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		40
	THERMEDICS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		250
	TITAN CORPORATION	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		246
	TUSKEGEE UNIVERSITY	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		50
	UNIDYNAMICS CORPORATION	Arizona	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		38
	UNITED TECHNOLOGIES CORP	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		40-
	UNIVERSITY OF ARIZONA	Arizona	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV		260

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ13 (CONTINUED)					
	UNIVERSITY OF CALIFORNIA	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	$ 70
	UNIVERSITY OF CENTRAL FLORIDA	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	3,012
	UNIVERSITY OF WSCONSIN SYSTEM	Wisconsin	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	299
	WERNER & PFLEIDERER CORP	New Jersey	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ADV DEV	52
R&D TOTAL					457,195
AZ14	ADVANCED DIGITAL SYSTEM INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	91
	ADVANCED MECH TECHNOLOGY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	186
	AEROVIRONMENT INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	ALLEN CORPORATION OF AMERICA	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	214
	ANALYTICS INCORPORATED	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	428
	AQUA-CHEM INC	Wisconsin	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	23,531
	BALL CORPORATION	Colorado	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	116
	BDM CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	371
	BOEING COMPANY THE	Washington	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,200
	BOOZ ALLEN & HAMILTON INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	8,300
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	214
	CONTRACTOR TOTAL				8,514
	CAMBRIDGE ROBOTIC SYSTEM INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	100-
	CANADIAN COMMERCIAL CORPORATN	CANADA	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	126
	CEMCOM RESEARCH ASSOC INC	Maryland	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	CHOPP COMPUTER CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	COLEMAN RESEARCH CORPORATION	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	COMMAND CONTRL COMMUNICATIONS	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	300
	COMPUTER SCIENCES CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	70
	CORPORATION OF MERCER UNIV	Georgia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,043

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ14 (CONTINUED)					
	CRAFTSMEN CORP	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	$ 146
	ELECTROSPACE SYSTEMS INC	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	659
		Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	4,212
	CONTRACTOR TOTAL				4,871
	EPSILON LAMBDA ELECTRONICS	Illinois	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	54
	FEMMECAMP INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	2,365
	GEORGIA INSTITUTE TECHNOLOGY	Georgia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	47
	GIORDANO ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	HOKENSON COMPANY	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	220
	HONEYWELL INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	2,210
	HUGHES AIRCRAFT COMPANY	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	190
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	488
	INSULATING MATERIALS INC	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	61
	INTEGRATED SOFTWARE INC	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	KDI PRECISION PRODUCTS INC	Ohio	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,520
	LOCKHEED MISSILES & SPACE CO	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,428
		Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	100
	CONTRACTOR TOTAL				1,528
	MERCER UNIVERSITY	Georgia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	74
	MITRE CORPORATION	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	342,187
	NEWPORT ELECTRO OPTIC SYSTEMS	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	178
	NORECO INC	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	56
	ORION INTL TECHNOLOGIES	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,427
	PIDEAC	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	205
	SCIENCE APPLICATIONS INTL CORP	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	872

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ14 (CONTINUED)					
		Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	$ 2,163
	CONTRACTOR TOTAL				3,035
	STANFORD TELECOMMUNICATIONS	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	793
	STEWART ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	56-
	SYSTEM PLANNING CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	1,049
	SYSTEMS & SECURITY TECHNOLOGY	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	50
	SYSTEMS EXPLORATION INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	100
	SYSTEMS RESEARCH LABORATORIES	Ohio	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	65
	TECHDYN SYSTEMS CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	245
	TETRA TECH DATA SYSTEMS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	166
	TITAN CORPORATION	GERMANY, F	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	588
	UNIVERSITY OF CENTRAL FLORIDA	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	946
	WALLACE T H INC	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	459
	WESTINGHOUSE ELECTRIC CORP	Maryland	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-ENGR DEV	2,300
	R&D TOTAL				403,957
AZ15	ADDMASTER CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	200
	ADMASTER CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	479
	ADVANCED MATERIALS LABORATORY	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	300
	ADVANCED SYSTEMS TECHNOLOGIES	Colorado	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	55
	AEROCHEM RESEARCH LABORATORIES	New Jersey	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	AERODYNE RESEARCH INC	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	98
	ALTUS CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	53
	AREA THERM CORPORATION	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	ARL INC	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	945
	B-K DYNAMICS INC	Maryland	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	247

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ15 (CONTINUED)					
	BAKER WILFRED ENGINEERING	Texas	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	$ 210
	BDM CORPORATION	California	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	285
	BOLT BERANEK & NEWMAN INC	Mass	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	133
	CAMBRIDGE SCIENTIFIC INC	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	CAPE COD RESEARCH INC	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	65
	CAS INC	Alabama	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	56
	COE-TRUMAN TECHNOLOGIES INC	Illinois	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	274
	CONSULTANTS CHOICE INC	Georgia	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	80
	CREATIVE OPTICS INC	Mass	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	200
	DAMASKOS INC	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	DARTMOUTH COLLEGE	N.H.	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	227
	DEFENSE SYSTEMS INC	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	DELTA G CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	DWA COMPOSITE SPECIALTIES INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	DYNAMAC INTERNATIONAL INC	Maryland	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	77
	ENERGY CONVERSION DEVICES INC	Michigan	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	ENSCO INC	Florida	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	77
	ESSEX CORPORATION	Alabama	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	518
	GARRET AUXILIARY POWER DIV	Arizona	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	314
	GEO-CENTERS INC	Mass	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	75
	HARRIS CORPORATION	Florida	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	6,949
			USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,954
	STATE TOTAL				8,903
	HITTMAN MAT & MED COMPONENTS	Maryland	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	I I T RESEARCH INSTITUTE	Illinois	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	40,809

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ15 (CONTINUED)					
		New York	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	$ 31
	CONTRACTOR TOTAL				40,840
	ILLINOIS INST OF TECHNOLOGY	New York	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	54
	IOWA STATE UNIV SCNC	Iowa	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	57
	K M S FUSION INC	Michigan	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	KETRON INC	Maryland	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	374
	LIGHT AGE INC	California	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,341
		New Jersey	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	181
	CONTRACTOR TOTAL				1,522
	LOCKHEED ELECTRONICS CO	New Mexico	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	16,415
	LOGISTICS MANAGEMENT INST	Maryland	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	12,297
	M R M ENGINEERS PC	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	MAC AULAY-BROWN INC	Ohio	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	MACH I INC	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	MAGNAVOX GOVT & INDUST ELECTR	New Jersey	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,877
	MAINTENANCE REQUIREMENTS INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	497
	MANDEX INC	Arizona	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,471
		Virginia	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	36
	CONTRACTOR TOTAL				1,507
	MATERIALS RELIABILITY, INC.	Illinois	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	494
	MATERIALS SCIENCE CORP	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	MIKROS SYSTEMS CORPORATION	New Jersey	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	MO SCI CORPORATION	Missouri	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	N D T TECHNOLOGIES INC	Conn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	NETWORK EQUIPMENT TECHNOLOGIES	California	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,939

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

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(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ15 (CONTINUED)					
	NEVADA ENGRG & TECHNOLOGY	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	$ 113
	NTS ENGINEERING	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	84
	OFFICE OF THE FUTURE INC	New Jersey	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	640
	OMNI ANALYSIS INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	OPERATIONAL TECHNOLOGIES ASSOC	Maryland	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	ORINCON CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	PHYSICAL DYNAMICS INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	PHYSICAL OPTICS CORP	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	
	PRESEARCH INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	PRINCETON UNIVERSITY	New Jersey	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	70
	PURDUE UNIVERSITY	Indiana	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	34
	QUANTIC INDUSTRIES INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	52
	QUANTUM DESIGN INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	52
	RESOURCE CONSULTANTS INC	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	234
	SIGMA RESEARCH INC	Washington	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	SPACE POWER INCORPORATED	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	SRS TECHNOLOGIES	Alabama	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	682
	SURVICE ENGINEERING COMPANY	Maryland	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	125
	SYSTEMS & PROCESSES ENGRG	Texas	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	48
	TACAN CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	TAU CORPORATION	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	TECHNICAL RESEARCH ASSOCIATES	Utah	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	TEKNOWLEDGE INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	TELEDYNE INDUSTRIES INC	California	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	75

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ15 (CONTINUED)					
		Texas	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	$ 604
	CONTRACTOR TOTAL				679
	TEXTILE TECHNOLOGIES INC	Penn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	49
	TRW INC	California	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	650-
	UNICOM SYSTEMS INC DEL	New York	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	666
	UNIQUE MOBILITY INC	Colorado	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	571
	UNITED TECHNOLOGIES CORP	Conn	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,447
		Florida	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	1,930
	CONTRACTOR TOTAL				3,377
	UNIVERSITY OF IOWA THE	Iowa	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	45
	UNIVERSITY OF MICHIGAN	Michigan	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	UNIVERSITY OF VERMONT	Vermont	ARMY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	26
	VEDA INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	31
	WALLACE T H INC	Florida	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	76
	WENTWORTH INST OF TECHNOLOGY	Mass	USAF	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	28
	XMCO INC	Virginia	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	492
	XSIRIUS SCIENTIFIC INC	California	NAVY	RDTE/OTHER RESEARCH&DEVELOPMENT-OP SYS DEV	50
	R&D TOTAL				100,811
AZ16	A P A OPTICS INC	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	54
	ADTECH SYSTEM RESEARCH INC	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	300
	ADVANCED DECISION SYSTEMS	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	ADVANCED SYSTEMS TECHNOLOGIES	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	ADVANCED TECHNOLOGY & RESEARCH	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	238
	ADVANCED TECHNOLOGY INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	234
	ALLIED SIGNAL AEROSPACE CO	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	65

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	AMERICAN RES CORP VIRGINIA	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	$ 50
	AMERICAN SYSTEMS ENGRG CORP	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	200
	ANALYSIS & TECHNOLOGY INC	Conn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	851
	APPLIED RESEARCH ASSOC INC	N Carolina	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	213
	APPLIED TECHNOLOGY ASSOCIATES	New Mexico	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	338
	AQUANAUTICS CORPORATION	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	ATLANTIC APPLIED RESEARCH	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	ATLANTIC RESEARCH CORPORATION	New Mexico	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	200
	AUTOMATED SCIENCES GROUP INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	246-
	AVCO RESEARCH LABORATORY INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	200
	BERKELEY RESEARCH ASSOCIATES	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	285
	BERNIER & ASSOC INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	46
	BIO METRIC SYSTEMS INC	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	39
	BRAN FERREN CORP	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	496
	BRIMROSE CORP OF AMERICA	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	80
	BRUBAKER INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	52
	BUSINESS TCHNLOGICAL SYSTEMS	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	51
	CALIBER INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	CALSPAN CORPORATION	Tennessee	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48,679
	CAMBRIDGE ANALYTICAL ASSOC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	165
	CAPE COD RESEARCH INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	66
	CARLOW ASSOCIATES INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	100
	CARNEGIE GROUP INC	Penn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	100
	CASTLE TECHNOLOGY CORP	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	217
	CERAMATEC INC	Utah	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	COMPU-CAD INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	$ 48
	COMPUTER SCIENCES CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	1,958
	CONSOLVE INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	CREATIVE OPTICS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	CRYSTAL SYSTEMS INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	DAUBIN SYSTEMS CORPORATION	Florida	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	88
	DECISION SCIENCE CONSORTIUM	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	80
	DEFENSE SYSTEMS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	52
	DELFIN SYSTEMS	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	175
	DESIGN SYNTHESIS INC	Utah	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	70
	DYNCORP	Arizona	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	5,750
	E I C LABORATORY INC	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	104
	EIDETICS INTERNATIONAL, INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	64
	ELECTRO-OPTEK CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	66
	ENERGY COMPRESSION RESEARCH	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	ENIG ASSOCIATES INC	Maryland	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	EOS TECHNOLOGIES INC	Washington	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	60
	ESSEX CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	100
	EXFLUOR RESEARCH CORPORATION	Texas	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	FIBERTEK INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	627
	FLOUROCHEM INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	FOSTER-MILLER INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	323
	FUZETRON INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	GDM INC	Alaska	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	GENERAL RESEARCH CORPORATION	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	70

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	GTE PRODUCTS CORP DEL CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	$ 27
	HARRIS CORPORATION	Florida	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	98
	HILTON SYSTEMS INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	794
	HONEYWELL INC	Virginia	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	550
	INDUSTRIAL QUALITY INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	51
	INFORMTION SYSTEMS NTWRKS CORP	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	644
	INNOVATIVE INFORMATION SYS	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	INTEGRATED CHEMICAL SENSORS	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	32
	INTEGRATED PARALLE TECH	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	INTEGRATED SYSTEMS ANALYSTS	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	1,552
	J & D SCIENTIFIC INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	K F O ASSOCIATES INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	299
	K M S FUSION INC	Michigan	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	L B & M ASSOCIATES INC	Oklahoma	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	99
	LASER SCIENCE, INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	165
	LEHRER-PEARSON INC	California	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	475
	LIGHTWAVE ELECTRONICS CORP	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	114
	LOGISTICS MANAGEMENT ENGRG	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	45
	M S I ELECTRONICS INC	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	MASSACHSTTS INST OF TCHNOLOGY	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	148
	MATERIAL CONCEPTS INC	Ohio	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	MATERIALS RELIABILITY, INC.	Illinois	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	MEMBRANE TECHNOLOGY & RES	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	56
	METRONIX TECHNOLGOGY	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	71
	MICROCOMPATIBLES INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	MILLITECH CORPORATION	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	$ 49
	MORGAN RESEARCH CORPORATION	Alabama	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	MSNW INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	107
	NICHOLS RESEARCH CORPORATION	Alabama	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	NU-TECH INDUSTRIES INC	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	70
	ODETICS INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	73
	OFFICE OF THE FUTURE INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	100
	OMNI ANALYSIS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	250
	ONTAR CORPORATION	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	39
	OPTELECOM INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	490
	OPTIMA SYSTEMS INC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	133
	OPTRA INC	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	INCON CORPORATION	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	1,001
	PHYSICAL RESEARCH INC	California	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	PIEZO ELECTRICAL PRODUCTS	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	PLANNING SYSTEMS INCORPORATED	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	64
	POLAR MATERIALS, INC	Penn	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	97
	PRINCETON SCIENTIFIC ENTRPRSS	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	58
	PRINCETON SCIENTIFIC INSTRS	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	181
	PROGRAMMING ENVIRONMENTS INC	New Jersey	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	QUANTUM DESIGN INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	96
	QUEST RESEARCH CORPORATION	Ohio	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	258
	REFRACTORY COMPOSITES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	38
	RESEARCH OPPORTUNITIES INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	RESOURCE TECHNOLOGIES GROUP	W Virginia	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	S F A T AMERICA INC	FRANCE	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	$ 68
	SCAN MEDICAL CORPORATION	Conn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	48
	SCHWARTZ ELECTRO-OPTICS INC	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	47
	SCIENTIFIC RESEARCH ASSOC	Conn	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	168
			USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	150
		STATE TOTAL			318
	SIPIN ANATOLE J CO INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	SONALYSTS INC	Conn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	144
	SPIRE CORPORATION	Mass	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	62
	STATE UNIVERSITY OF NEW YORK	New York	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	41
	SVERDRUP TECHNOLOGY INC	Tennessee	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	51,769
	SYMETRIX CORPORATION	Colorado	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	SYNETICS CORPORATION	Mass	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	TECHNICAL RESEARCH ASSOCIATES	Utah	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	100
	TECHNIWEAVE INC	N.H.	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	299
	TEKTRONIX INC	Maryland	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	27
	THERMACORE INC	Penn	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	TRICOR SYSTEMS INC	Illinois	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	49
	TYBRIN CORPORATION	Florida	USAF	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	365
	UNIV OF MINNESOTA	Minnesota	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	78
	UNIV RESEARCH ENGINEERS & ASSC	Mass	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	195
	UNIVERSAL SENSORS INC	Louisiana	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	218
	UNIVERSITY OF TEXAS SYSTEM	Texas	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	41
	VANCE SYSTEMS INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	50
	VATELL CORPORATION	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	495

PRIME CONTRACTS OVER $25,000 FOR RESEARCH AND DEVELOPMENT

FISCAL YEAR 1988

(AMOUNTS IN THOUSANDS)

R&D	CONTRACTOR NAME	STATE	DEPT	R&D DESCRIPTION	
AZ16 (CONTINUED)					
	VERITAY TECHNOLOGY INC	New York	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	$ 105
	VISTA CONTROLS INC	California	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	27-
	WAGNER D AND H ASSOCIATES INC	Virginia	NAVY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	100
	WESTAT, INC	Maryland	ARMY	RDTE/OTHER RESEARCH & DEVELOPMENT-MGMT SUP	44
R&D TOTAL					127,400
GRAND TOTAL FOR R&D					$ 22,542,526

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