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DEPARTMENT OF DEFENSE
IN-HOUSE RDT&E ACTIVITIES

30 OCTOBER 1975

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Management Analysis Report . .

Department of the Army

Department of the Navy

Department of the Air Force

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MATERIEL DEVELOPMENT AND READINESS COMMAND,
5001 EISENHOWER AVENUE, ALEXANDRIA, VIRGINIA 22333

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DEPARTMENT OF DEFENSE IN-HOUSE RDT&E ACTIVITIES.

(10) VERNAI L. AAMODT

(11) 30 OCT[redacted]75

(12) 15p.

US ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND
5001 Eisenhower Avenue
Alexandria, Virginia 22333

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FOREWORD

THIS REPORT WAS PREPARED BY THE US ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND AT THE DIRECTION OF THE CHIEF, RESEARCH, DEVELOPMENT AND ACQUISITION, DA: LETTER DAMA-AOA, DATED 19 JUNE 1974, "TRANSFER OF FUNCTIONS TO THE US ARMY MATERIEL COMMAND".

EACH IN-HOUSE RDT&E ACTIVITY OF THE DEPARTMENT OF DEFENSE IS DESCRIBED ON ONE PAGE IN THIS COMPILATION, THE DATA FOR 1975 ARE SUMMARIZED IN TABLES PRECEDING THE MAIN TEXT.

THIS EDITION IS THE TENTH OF A SERIES THAT WAS INITIATED IN 1966. ALL INFORMATION WAS SUBMITTED ON KEY-PUNCHED CARDS, AND THE REPORT'S PREPARATION WAS THUS ENTIRELY--WITH THE EXCEPTION OF SOME MANUAL CORRECTIONS OF TYPOGRAPHICAL ERRORS, FISCAL AND MANPOWER DATA, AND CLARIFICATION OF OBSCURE ABBREVIATIONS AND CONTRACTIONS--PRODUCED FROM THESE CARDS.

ALL CURRENT DOD RDT&E ACTIVITIES ARE LISTED IN THE CONTENTS ALPHABETICALLY WITHIN EACH DEPARTMENT. SOME NEW ORGANIZATIONAL NAMES APPEAR IN THIS ISSUE, OTHERS HAVE BEEN CHANGED OR DELETED SINCE LAST YEAR. FOR THIS INFORMATION, SEE APPENDIX I.

APPENDIX II CONTAINS THE DEFINITIONS GIVEN IN DOD INSTRUCTION 7700.9 (DEPARTMENT OF THE ARMY LETTER, "RESEARCH AND DEVELOPMENT RESOURCE DATA FOR IN-HOUSE RDT&E ACTIVITIES, DATED 6 AUGUST 1973) AND EMPLOYED AS THE BASIS FOR THESE DATA. APPENDIX III LISTS SELECTED ABBREVIATIONS AND ACRONYMS. APPENDIX IV LISTS SELECTED KEY WORDS WITH PAGE REFERENCES.

THIS IS THE SECOND REPORT TO BE PUBLISHED BY THE US ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND. (AMC) APPENDIX IV HAS BEEN ADDED TO THIS ISSUE TO PROVIDE USERS A READY REFERENCE TO SIGNIFICANT R&D EFFORTS. NO NEW CHARTS OR TABLES HAVE BEEN ADDED. USERS OF THIS REPORT MAY RESPOND TO THE US ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND SHOULD DATA SHOWN BE INADEQUATE, INCOMPLETE OR UNUSABLE. AN EFFORT HAS BEEN MADE TO CONTINUE TO PRESENT CURRENT PERTINENT AND USEFUL INFORMATION IN THIS PUBLICATION.

SINCERE GRATITUDE IS EXTENDED TO MR. WILLIAM A. STRAIN AND HIS ASSOCIATES OF THE US ARMY MANAGEMENT SYSTEMS SUPPORT AGENCY, FOR THEIR EFFORTS IN THE ASSEMBLY AND ANALYSIS OF THE RAW COMPUTER DATA INTO AN ACCURATE AND LEGIBLE REPORT.

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SUMMARY

DEPARTMENT OF DEFENSE IN-HOUSE RDT&E FACILITIES

PROGRAM DATA FOR FY 1975

	(MILLIONS)
TOTAL ANNUAL PROGRAM	5159.984
TOTAL INHOUSE PROGRAM	2747.691
TOTAL RDT&E PROGRAM	2996.957
TOTAL INHOUSE RDT&E	1687.085
TOTAL ANNUAL OPERATING COST	783.589

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHD	TOTAL PROFESSIONALS
MILITARY	26036	1072	7278
CIVILIAN	82201	3498	30325
TOTAL	108237	4570	37603

PHYSICAL FACILITIES (END OF FY 1975)

ACRES	9656191
SPACE (THOUSANDS OF SQ FT)	
LABORATORY	37752.088
ADMINISTRATIVE	23149.812
OTHER	82855.767
TOTAL	143757.667
COST (MILLIONS)	
REAL PROPERTY	10237.535
EQUIPMENT	4787.150
TOTAL	15024.685

TABLE 1. ARMY RDT&E ACTIVITIES, PROGRAM AND PERSONNEL DATA, FY 1975

INSTALLATION		FUNDING DATA (MILLIONS $)				PERSONNEL DATA					
		TOTAL	TOTAL INHOUSE	TOTAL RDT&E	INHOUSE RDT&E	TOTAL MIL	TOTAL CIV	PHD MIL	PHD CIV	PROF MIL	PROF CIV
AERONUTICAL RESEARCH UNIT	FT. RUCKER, AL.	3.284	3.284	2.473	2.473	54	56	15	6	21	16
AIR DEFENSE BOARD	EL PASO, TEXAS	5.499	5.499	2.450	2.450	310	125	0	0	27	9
AIR MOBILITY R&D LABORATORY	MOUNTAIN VIEW, CAL.	43.746	13.583	43.746	13.583	29	616	1	27	21	321
AIRBORNE COMMUNICATIONS & ELECTRONICS BOARD	FT. BRAGG, N.C.	3.483	3.483	1.100	1.100	207	62	0	0	37	6
ARCTIC TEST CENTER	FT. GREELY, AK.	5.965	5.965	3.176	3.176	274	25	0	0	23	16
ARMOR AND ENGINEER BOARD	FT. KNOX, KENTUCKY	6.779	6.779	2.215	2.215	181	85	0	0	87	29
ARMY MATERIAL SYSTEMS ANALYSIS AGENCY	ABERDEEN PROV GR,MD	18.792	11.804	16.378	10.134	34	433	2	13	26	277
ATMOSPHERIC SCIENCES LABORATORY	WHITE SANDS MR, N.M.	13.412	9.788	13.262	9.638	439	235	0	13	3	101
AVIATION SYSTEMS TEST ACTIVITY	EDWARDS AFB, CAL.	3.845	3.845	2.985	2.985	63	104	0	0	31	28
AVIATION TEST BOARD	FT. RUCKER, AL.	9.582	6.812	6.406	3.636	201	131	0	1	43	13
AVIONICS LABORATORY	EATONTOWN, N.J.	15.802	12.593	11.132	8.778	12	197	0	5	7	140
BALLISTICS RESEARCH LABORATORIES	ABERDEEN PROV GR, MD.	37.385	26.976	34.311	24.147	66	837	4	106	36	419
CHEMICAL WEAPONS LABORATORY	WATERVLIET, N.Y.	20.622	15.607	14.849	9.834	7	385	2	41	7	177
COLD REGIONS RES LABORATORIES	HANOVER, N.H.	8.639	6.376	5.663	4.434	13	240	1	28	8	118
COMBAT SURVEILLANCE & TGT ACQUISITION LABS	FT. MONMOUTH, N.J.	26.408	14.931	26.408	14.931	15	257	0	11	9	169
COMMUNICATIONS ELP LABORATORY	FT. MONMOUTH, N.J.	20.521	15.665	17.520	12.759	11	361	1	18	10	252
CONSTRUCTION ENGINEERING RESEARCH LABORATORY	URBANA, IL.	9.890	7.251	8.357	6.778	3	209	0	25	3	161
DESERT TEST CENTER (LABS)	DUGWAY, UTAH	18.483	16.037	11.648	9.914	193	601	1	18	15	170
EDGEWOOD ARSENAL LABORATORIES	EDGEWOOD ARSENAL, MD.	46.511	41.104	37.004	33.224	129	876	34	57	122	478
ELECTRONIC PROVING GROUND	FT. HUACHUCA, AR.	16.777	13.751	10.005	7.206	317	203	1	2	40	79
ELECTRONIC WARFARE LABORATORY	FT. MONMOUTH, N.J.	68.914	19.475	44.284	17.645	59	459	0	6	25	217
ELECTRONICS TECHNOLOGY AND DEVICES LAB	FT. MONMOUTH, N.J.	18.633	11.914	16.948	10.512	5	348	0	36	7	226
ENGINEER TOPOGRAPHIC LABORATORIES	FT. BELVOIR, VA.	15.693	7.866	15.445	7.622	20	260	1	21	9	164
ENGINEER WATERWAYS EXPERIMENT STATION	VICKSBURG, MISS.	39.181	32.959	12.012	10.077	39	1350	3	70	26	477
FIELD ARTILLERY BOARD	FT. SILL, OK.	4.444	4.444	1.282	1.282	187	35	0	0	32	1
FRANKFORD ARSENAL LABORATORIES	PHILADELPHIA, PA.	324.011	84.596	22.310	17.749	75	1648	0	40	25	679
HARRY DIAMOND LABORATORIES	WASHINGTON, D.C.	111.149	37.951	47.617	27.744	11	1400	4	66	11	518
HUMAN ENGINEERING LABORATORY	ABERDEEN PROV GR, MD.	5.698	5.174	4.792	4.268	31	119	1	13	10	79
INFANTRY BOARD	FT. BENNING, GA.	2.502	2.502	1.094	1.094	153	60	0	0	28	5
INSTITUTE OF DENTAL RESEARCH	WASHINGTON, D.C.	1.967	1.967	1.006	1.006	62	26	22	2	51	6
INSTITUTE OF SURGICAL RESEARCH	FT. SAM HOUSTON, TX.	3.454	3.454	1.545	1.545	136	77	20	3	22	7
JEFFERSON PROVING GROUND	MADISON IN	10.402	10.402	0.020	0.020	4	495	0	0	0	0
KWAJALEIN MISSILE RANGE,MARSHALL ISLANDS	APO SAN FRANCISCO	87.187	3.952	81.244	3.378	27	126	1	0	25	72
LETTERMAN ARMY INSTITUTE OF RESEARCH	PRESIDIO, S.F., CAL.	13.098	7.457	5.144	5.144	264	225	49	16	106	59
MATERIALS AND MECHANICS RESEARCH CENTER	WATERTOWN, MASS.	31.723	16.311	22.985	11.947	17	656	2	65	7	214
MATERIEL TESTING DIRECTORATE	ABERDEEN PROV GR, MD.	28.455	28.240	21.259	21.108	208	975	1	6	35	261
MEDICAL BIOENGINEERING R&D LABORATORY	FORT DETRICK, MD.	2.738	2.738	2.297	2.297	30	76	7	12	22	32
MEDICAL RESEARCH AND DEVELOPMENT COMMAND HQ	WASHINGTON, DC	23.176	3.256	21.770	1.850	63	106	15	0	44	8
MEDICAL RESEARCH INST OF INFECTIOUS DISEASES	FORT DETRICK,MD	10.414	10.414	7.262	7.262	317	198	58	24	65	63
MISSILE RES., DEV. AND ENGINEERING LAB	REDSTONE ARSENAL, AL.	94.989	52.599	78.027	37.653	37	1183	5	80	24	806
MOBILITY EQUIPMENT R&D CENTER	FT. BELVOIR, VA.	85.961	28.526	42.531	20.559	53	1270	1	26	53	450
NATICK DEVELOPMENT CENTER	NATICK MASSACHUSETTS	34.951	27.906	20.175	15.371	118	1189	7	87	28	447
NIGHT VISION LABORATORY	FT. BELVOIR, VA.	39.086	18.238	39.086	18.238	79	434	1	30	7	204
PICATINNY ARSENAL LABORATORIES	DOVER, N.J.	134.472	86.872	68.000	36.900	68	4286	0	64	22	1625
R&D TECHNICAL SUPPORT ACTIVITY	FT. MONMOUTH, N.J.	10.600	10.797	9.125	9.125	3	622	0	1	1	106
RESEARCH INST FOR BEHAVIORAL & SOCIAL SCI	WASHINGTON, D.C.	13.978	4.725	13.978	4.725	36	232	0	113	42	172
RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	NATICK, MASS.	4.255	4.255	3.337	3.337	83	85	18	20	50	41
ROCK ISLAND ARSENAL LABORATORIES	ROCK ISLAND, IL.	25.351	18.454	15.612	10.157	12	746	1	15	6	250
TANK-AUTOMOTIVE LABORATORIES	WARREN, MI.	45.921	25.036	27.738	13.789	23	898	1	8	11	385
TROPIC TEST CENTER	FT. CLAYTON, C.Z.	4.575	4.575	2.482	2.482	87	65	0	5	19	13
US ARMY RESEARCH OFFICE	RSCH TRIANGLE PARK,NC	20.062	0.467	17.968	0.000	16	82	1	21	14	23
WALTER REED ARMY INSTITUTE OF RESEARCH	WASHINGTON, D.C.	21.450	21.450	13.870	13.870	456	537	155	73	448	560
WHITE SANDS MISSLE RANGE	WHITE SANDS MR, N.M.	109.654	85.877	89.654	69.564	861	3991	0	25	338	961
YUMA PROVING GROUND	YUMA, ARIZONA	29.915	28.190	16.702	16.702	381	769	0	0	51	109
TOTALS		1812.684	954.272	1059.689	608.917	6479	31046	434	1319	2234	12055

TABLE 2. ARMY ROTGE FACILITIES DATA, FY 1975

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLIONS $)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT
AEROMEDICAL RESEARCH UNIT	FT. RUCKER, AL.	10	43.136	7.188	11.502	0.550	4.500
AIR DEFENSE BOARD	EL PASO, TEXAS	26	36.550	36.646	30.114	1.895	10.207
AIR MOBILITY RED LABORATORY	MOUNTAIN VIEW, CAL.	108	85.014	43.308	15.584	1.474	5.470
AUBURN COMMUNICATIONS & ELECTRONICS BOARD	FT. FRAGG, N.C.	0	0.000	0.051	0.114	0.000	3.090
ARCTIC TEST CENTER	FT. GREELY, AK.	647155	5.100	120.079	129.152	12.241	5.074
ARMOR AND ENGINEER BOARD	FT. KNOX, KENTUCKY	6900	6.200	50.068	166.374	1.419	1.778
ARMY MATERIAL SYSTEMS ANALYSIS AGENCY	ABERDEEN PROV GR,MD	5	13.983	91.694	7.745	2.308	0.725
ATMOSPHERIC SCIENCES LABORATORY	WHITE SANDS MR, N.M.	45	5.100	3.100	3.600	48.000	22.000
AVIATION SYSTEMS TEST ACTIVITY	EDWARDS AFB, CAL.	19	4.280	32.830	98.490	3.614	6.629
AVIATION TEST BOARD	FT. RUCKER, AL.	1189	2.440	50.584	177.364	2.623	14.332
AVIONICS LABORATORY	EATONTOWN, N.J.	0	25.742	30.108	0.000	0.000	10.967
BALLISTICS RESEARCH LABORATORIES	ABERDEEN PROV GR, MD.	3380	601.076	6.000	3.000	6234.072	34.072
BENET WEAPONS LABORATORY	WATERVLIET, N.Y.	4	168.263	24.600	7.489	4.028	6.560
COLD REGIONS RES LABORATORIES	HANOVER, N.H.	24	17.230	6.168	97.646	4.142	5.536
COMBAT SURVEILLANCE & TGT ACQUISITION LABS	FT. MONMOUTH, N.J.	0	101.823	4.160	9.515	0.000	4.500
COMMUNICATIONS AUP LABORATORY	FT. MONMOUTH, N.J.	0	41.000	48.000	1.000	0.000	10.678
CONSTRUCTION ENGINEERING RESEARCH LABORATORY	URBANA, IL.	30	76.081	34.159	0.000	3.851	2.579
DESERT TEST CENTER (LABS)	DUGWAY, UTAH	840909	103.898	174.303	1674.406	50.095	16.074
EDGEWOOD ARSENAL LABORATORIES	EDGEWOOD ARSENAL, MD.	2000	505.963	125.211	106.492	16.879	14.601
ELECTRONIC PROVING GROUND	FT. HUACHUCA, AR.	42800	0.000	210.249	0.000	2.418	39.[illegible]
ELECTRONIC WARFARE LABORATORY	FT. MONMOUTH, N.J.	0	142.936	13.617	48.502	89.455	84.300
ELECTRONICS TECHNOLOGY AND DEVICES LAB	FT. MONMOUTH, N.J.	0	96.569	9.990	27.403	0.000	10.080
ENGINEER TOPOGRAPHIC LABORATORIES	FT. BELVOIR, VA.	0	81.200	5.500	13.300	0.000	8.706
ENGINEER WATERWAYS EXPERIMENT STATION	VICKSBURG, MISS.	1224	1589.095	324.036	171.234	16.436	28.264
FIELD ARTILLERY BOARD	FT. SILL, OK.	23	28.100	32.802	28.157	3.330	0.910
FRANKFORD ARSENAL LABORATORIES	PHILADELPHIA, PA.	43	577.4[illegible]	149.872	425.050	16.960	12.549
HARRY DIAMOND LABORATORIES	WASHINGTON, D.C.	2237	443.[illegible]88	115.245	101.997	27.096	29.486
HUMAN ENGINEERING LABORATORY	ABERDEEN PROV GR, MD.	10	27.100	17.605	28.953	0.717	2.991
INFANTRY BOARD	FT. BENNING, GA.	0	0.000	46.203	31.288	0.000	0.357
INSTITUTE OF DENTAL RESEARCH	WASHINGTON, D.C.	4	9.325	5.696	6.730	0.790	0.950
INSTITUTE OF SURGICAL RESEARCH	FT. SAM HOUSTON, TX.	1	26.424	1.800	22.408	1.968	1.658
JEFFERSON PROVING GROUND	MADISON IN	55264	0.000	58.854	649.624	27.690	11.888
KWAJALEIN MISSILE RANGE, MARSHALL ISLANDS	APO SAN FRANCISCO	1537	0.000	199.499	2543.793	208.626	132.978
LETTERMAN ARMY INSTITUTE OF RESEARCH	PRESIDIO, S.F., CAL.	5	135.235	89.533	96.201	22.449	8.089
MATERIALS AND MECHANICS RESEARCH CENTER	WATERTOWN, MASS.	48	38[illegible].161	96.018	169.979	15.726	15.400
MATERIEL TESTING DIRECTORATE	ABERDEEN PROV GR, MD.	2.396	687.430	9.540	289.190	16.302	29.082
MEDICAL BIOENGINEERING RED LABORATORY	FORT DETRICK, MD.	5	35.500	27.300	43.775	2.927	1.802
MEDICAL RESEARCH AND DEVELOPMENT COMMAND HQ	WASHINGTON, DC	0	0.000	21.905	0.000	0.000	0.000
MEDICAL RESEARCH INST OF INFECTIOUS DISEASES	FORT DETRICK,MD	57	93.717	13.819	148.731	17.824	3.567
MISSILE RES., DEV. AND ENGINEERING LAB	REDSTONE ARSENAL, AL.	11000	911.000	141.000	71.000	28.671	36.741
MOBILITY EQUIPMENT RED CENTER	FT. BELVOIR, VA.	1064	620.600	116.500	214.600	40.933	30.000
NATICK DEVELOPMENT CENTER	NATICK MASSACHUSETTS	3616	550.562	65.900	412.268	25.608	14.041
NIGHT VISION LABORATORY	FT. BELVOIR, VA.	21	73.261	3.521	67.207	43.961	46.965
PICATINNY ARSENAL LABORATORIES	DOVER, N.J.	5848	605.014	642.237	2604.859	76.657	58.748
RED TECHNICAL SUPPORT ACTIVITY	FT. MONMOUTH, N.J.	1082	31.031	35.214	166.937	38.177	6.714
RESEARCH INST FOR BEHAVIORAL & SOCIAL SCI	WASHINGTON, D.C.	0	30.990	6.961	11.279	0.123	1.664
RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	NATICK, MASS.	4	60.421	18.563	28.647	3.663	2.209
ROCK ISLAND ARSENAL LABORATORIES	ROCK ISLAND, IL.	18	217.384	50.257	214.591	3.768	11.971
TANK-AUTOMOTIVE LABORATORIES	WARREN, MI.	125	599.743	0.000	0.000	28.470	10.600
TROPIC TEST CENTER	FT. CLAYTON, C.Z.	18870	12.565	3[illegible].622	148.794	1.033	2.130
US ARMY RESEARCH OFFICE	RSCH TRIANGLE PARK,NC	10	0.000	19.000	3.106	0.000	280 000
WALTER REED ARMY INSTITUTE OF RESEARCH	WASHINGTON, D.C.	206	389.300	58.600	0.000	0.000	16.349
WHITE SANDS MISSILE RANGE	WHITE SANDS MR, N.M.	4476173	1450.857	446.2[illegible]6	2834.195	174.601	160.406
YUMA PROVING GROUND	YUMA, ARIZONA	870207	170.145	74.675	1196.648	37.259	73.131
TOTALS		7016102	11928.053	4047.656	15403.428	7360.849	1347.248

TABLE 3. NAVY RDT&E ACTIVITIES, PROGRAM AND PERSONNEL DATA, FY 1975

INSTALLATION		FUNDING DATA (MILLIONS $)				PERSONNEL DATA					
		TOTAL	TOTAL INHOUSE	TOTAL RDT&E	INHOUSE RDT&E	TOTAL MIL	TOTAL CIV	PHD MIL	PHD CIV	PROF MIL	PROF CIV
ATLANTIC FLEET WEAPONS TRAINING FACILITY	ROOSEVELT ROADS P.R.	10.423	6.452	0.130	0.130	95	33	0	0	19	15
CIVIL ENGINEERING LABORATORY	PORT HUENEME CA	13.267	10.883	9.681	7.839	15	367	1	28	8	154
ENVIRONMENTAL PREDICTION RESEARCH FACILITY	MONTEREY, CA.	2.347	1.311	2.022	1.048	19	33	0	4	6	29
NATIONAL PARACHUTE TEST RANGE	EL CENTRO CA	13.527	12.785	7.358	6.779	279	323	3	0	28	28
NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY	PENSACOLA, FL.	5.146	5.146	4.640	4.640	54	115	15	16	23	53
NAVAL AIR DEVELOPMENT CENTER	JOHNSVILLE, PA.	140.773	59.967	89.315	43.564	303	2408	3	31	73	1111
NAVAL AIR ENGINEERING CENTER	LAKEHURST, NJ	84.907	41.382	20.880	18.768	234	1667	4	2	40	393
NAVAL AIR PROPULSION TEST CENTER	TRENTON, N.J.	21.664	13.549	16.796	10.441	9	618	0	2	8	161
NAVAL AIR TEST CENTER	PATUXENT RIVER, MD.	98.863	84.306	54.616	48.375	1510	2479	4	4	293	415
NAVAL AIR TEST FACILITY (SHIP INSTALLATIONS)	LAKEHURST, N.J.	15.557	12.782	3.596	0.821	108	382	0	0	10	76
NAVAL ARCTIC RESEARCH LABORATORY	BARROW,AK	7.975	0.039	5.968	0.000	2	0	0	0	1	0
NAVAL BIOMEDICAL RESEARCH LABORATORY	OAKLAND,CA.	2.605	0.566	1.865	0.320	14	6	5	2	6	2
NAVAL BLOOD RESEARCH LABORATORY	CHELSEA, MS.	0.910	0.910	0.710	0.710	17	13	2	0	4	3
NAVAL CLOTHING AND TEXTILE RESEARCH UNIT	NATICK, MS.	1.534	1.534	0.710	0.710	1	60	0	0	1	31
NAVAL COASTAL SYSTEMS LABORATORY	PANAMA CITY FL	26.950	18.994	17.163	11.143	117	627	3	20	12	268
NAVAL DENTAL RESEARCH INSTITUTE, NTC	GREAT LAKES, IL	0.911	0.911	0.517	0.517	23	16	8	3	10	7
NAVAL ELECTRONICS LABORATORY CENTER	SAN DIEGO, CA.	75.657	51.264	45.865	28.637	82	1455	2	74	35	859
NAVAL EXPLOSIVE ORDNANCE DISPOSAL FACILITY	INDIAN HEAD MD	7.113	3.316	3.075	1.587	50	158	0	2	36	41
NAVAL MEDICAL FIELD RESEARCH LABORATORY	CAMP LEJEUNE, N.C.	1.161	1.162	0.773	0.768	30	40	4	2	7	7
NAVAL MEDICAL RESEARCH INSTITUTE	BETHESDA, MD.	9.082	9.082	6.824	6.824	209	207	65	41	81	87
NAVAL MEDICAL RESEARCH UNIT NO. 2	TAIPEI, TAIWAN	2.223	2.223	1.660	1.660	32	4	11	1	15	3
NAVAL MEDICAL RESEARCH UNIT NO. 3	CAIRO, EGYPT	1.790	1.790	0.512	0.512	24	216	4	10	9	30
NAVAL MEDICAL RESEARCH UNIT NO. 5 (ETHIOPIA)	APO NEW YORK NY	0.698	0.698	0.452	0.452	19	58	4	0	8	3
NAVAL ORDNANCE MISSILE TEST FACILITY	WHITE SANDS N.R., N.M	4.658	3.616	2.826	2.101	131	75	0	0	101	1
NAVAL RESEARCH LABORATORY	WASHINGTON, D.C.	169.941	163.412	135.793	127.064	148	3678	2	520	31	1602
NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER	WASHINGTON, D.C.	109.002	66.045	75.161	46.220	46	2820	0	125	14	1205
NAVAL SUBMARINE MEDICAL RESEARCH LABORATORY	GROTON CT.	2.202	2.106	1.703	1.607	35	60	1	11	10	29
NAVAL SURFACE WEAPONS CENTER	SILVER SPRING, MD	226.986	130.815	150.949	85.272	124	5305	2	246	51	2394
NAVAL UNDER WATER RANGES DIRECTORATE	NEWPORT, R.I.	10.327	6.212	3.566	1.219	34	42	0	1	16	25
NAVAL UNDER WATER SYSTEMS CENTER	NEWPORT,RI	138.478	83.588	52.499	31.499	113	3159	2	89	30	1450
NAVAL UNDERSEA CENTER	SAN DIEGO CA	84.658	54.510	62.127	38.270	294	1648	2	118	12	766
NAVAL WEAPONS CENTER	CHINA LAKE, CA.	211.513	126.765	119.512	78.108	545	4501	0	142	67	1523
NAVAL WEAPONS EVALUATION FACILITY	ALBUQUERQUE, N.M.	6.422	6.422	1.368	1.368	149	118	0	1	35	45
NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT	SAN DIEGO, CA	2.306	2.306	1.800	1.800	28	72	12	11	18	39
NAVY PERSONNEL RESEARCH & DEVELOPMENT CENTER	SAN DIEGO,CA	9.442	6.717	7.854	5.094	28	270	1	74	20	211
PACIFIC MISSILE TEST CENTER	POINT MUGU CA	254.107	163.663	120.002	80.947	906	4733	2	15	181	732
TOTALS		1783.625	1157.164	1028.088	696.814	5827	37712	168	1595	1321	13788

TABLE 4. NAVY ROTCE FACILITIES DATA, FY 1975

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET) ACRES	LABORATORY	ADMIN	OTHER	COST (MILLIONS $) REAL PROPERTY	EQUIPMENT
ATLANTIC FLEET WEAPONS TRAINING FACILITY	R OOSEVELT ROADS P.R.	1704	0.000	13.785	142.897	123.200	63.850
CIVIL ENGINEERING LABORATORY	PORT HUENEME CA	22	120.352	23.977	31.548	2.055	2.780
ENVIRONMENTAL PREDICTION RESEARCH FACILITY	MONTEREY, CA.	0	3000.180	8000.501	20010.490	0.000	0.066
NATIONAL PARACHUTE TEST RANGE	EL CENTRO CA	484608	6.460	56.670	1142.407	33.643	14.990
NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY	PENSACOLA, FL.	0	159.490	21.502	6.555	2.630	2.842
NAVAL AIR DEVELOPMENT CENTER	JOHNSVILLE, PA.	750	833.000	43.000	451.000	25.320	40.323
NAVAL AIR ENGINEERING CENTER	LAKEHURST, NJ	74160	247.984	109.771	7348.732	81.061	16.488
NAVAL AIR PROPULSION TEST CENTER	TRENTON, N.J.	66	391.044	26.720	182.992	49.697	11.173
NAVAL AIR TEST CENTER	PATUXENT RIVER, MD.	6638	4.226	303.963	4713.049	131.075	32.407
NAVAL AIR TEST FACILITY (SHIP INSTALLATIONS)	LAKEHURST, N.J.	4000	67.612	15.113	99.056	37.657	7.668
NAVAL ARCTIC RESEARCH LABORATORY	BARROW,AK	4973	40.800	5.800	209.400	30.587	19.413
NAVAL BIOMEDICAL RESEARCH LABORATORY	OAKLAND,CA.	5	64.700	6.731	45.372	6.100	3.000
NAVAL BLOOD RESEARCH LABORATORY	CHELSEA, MS.	0	6.500	1.240	2.448	0.005	0.525
NAVAL CLOTHING AND TEXTILE RESEARCH UNIT	NATICK, MS.	2	10.000	7.000	3.000	0.400	0.617
NAVAL COASTAL SYSTEMS LABORATORY	PANAMA CITY FL	674	225.144	35.596	314.108	24.169	13.815
NAVAL DENTAL RESEARCH INSTITUTE, NTC	GREAT LAKES, IL	0	11.780	10.174	9.487	0.000	0.666
NAVAL ELECTRONICS LABORATORY CENTER	SAN DIEGO, CA.	1548	414.583	117.749	88.030	12.348	40.733
NAVAL EXPLOSIVE ORDNANCE DISPOSAL FACILITY	INDIAN HEAD MD	1084	50.400	23.597	75.536	3.780	2.211
NAVAL MEDICAL FIELD RESEARCH LABORATORY	CAMP LEJEUNE, N.C.	0	29.816	8.655	19.381	6.575	0.524
NAVAL MEDICAL RESEARCH INSTITUTE	BETHESDA, MD.	4	133.495	12.945	36.547	4.016	5.264
NAVAL MEDICAL RESEARCH UNIT NO. 2	TAIPEI, TAIWAN	20	328.820	60.750	48.364	1.010	6.450
NAVAL MEDICAL RESEARCH UNIT NO. 3	CAIRO, EGYPT	3	22.789	5.108	34.747	0.347	0.889
NAVAL MEDICAL RESEARCH UNIT NO. 3 (ETHIOPIA)	APO NEW YORK NY	1	4.274	3.016	0.832	0.000	0.240
NAVAL ORDNANCE MISSILE TEST FACILITY	WHITE SANDS N.M., N.M	112	0.000	30.560	316.047	6.886	3.368
NAVAL RESEARCH LABORATORY	WASHINGTON, D.C.	608	2128.947	236.893	592.318	82.164	71.137
NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER	WASHINGTON, D.C.	322	388.522	192.814	1405.876	71.138	45.015
NAVAL SUBMARINE MEDICAL RESEARCH LABORATORY	GROTON CT	0	23.325	6.441	15.118	6.000	1.140
NAVAL SURFACE WEAPONS CENTER	SILVER SPRING, MD	5381	972.186	268.292	1629.918	124.458	86.559
NAVAL UNDER WATER RANGES DIRECTORATE	NEWPORT, R I	1042	67.000	11.173	766.044	21.396	0.075
NAVAL UNDER WATER SYSTEMS CENTER	NEWPORT,RI	381	702.100	107.528	550.000	30.580	37.182
NAVAL UNDERSEA CENTER	SAN DIEGO CA	36898	795.746	128.686	397.240	47.330	49.541
NAVAL WEAPONS CENTER	CHINA LAKE, CA.	1093434	614.574	322.980	5279.812	220.326	18.667
NAVAL WEAPONS EVALUATION FACILITY	ALBUQUERQUE, N.M.	7	0.400	53.592	94.926	9.600	0.438
NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT	SAN DIEGO, CA	0	0.000	0.000	0.000	0.000	0.207
NAVY PERSONNEL RESEARCH & DEVELOPMENT CENTER	SAN DIEGO,CA	10	7300.000	4900.000	0.000	30.700	1086.004
PACIFIC MISSILE TEST CENTER	POINT MUGU CA	27088	270.704	501.279	2461.295	131.695	144.635
TOTALS		1765835	19436.899	15675.981	42974.572	1338.641	1904.412

TABLE 5. AIR FORCE RDT&E ACTIVITIES, PROGRAM AND PERSONNEL DATA, FY 1975

INSTALLATION		FUNDING DATA (MILLIONS $)				PERSONNEL DATA					
		TOTAL	TOTAL INHOUSE	TOTAL RDT&E	INHOUSE RDT&E	TOTAL MIL	TOTAL CIV	PHD MIL	PHD CIV	PROF MIL	PROF CIV
AEROPROPULSION LABORATORY	WPAFB, OH.	64.975	10.774	60.842	9.841	49	354	12	29	42	202
AEROSPACE RESEARCH LABORATORIES	WPAFB, OH	10.840	6.604	9.640	5.404	69	174	24	45	53	86
AIR FORCE CIVIL ENGINEERING CENTER	TYNDALL AFB FL	5.069	3.983	0.609	0.354	168	17	10	0	63	12
AIR FORCE SATELLITE CONTROL FACILITY	LOS ANGELES CA	42.914	26.319	2.606	0.000	1431	346	1	0	291	37
ARMAMENT DEVELOPMENT AND TEST CENTER	EGLIN AFB, FL.	331.014	131.927	130.864	73.989	4379	2900	92	20	1247	484
ARNOLD ENGINEERING DEVELOPMENT CENTER	TULLAHOMA, TN.	84.964	81.326	79.410	79.410	84	152	8	5	57	61
AVIONICS LABORATORY	WPAFB, OH.	118.719	19.123	115.096	15.500	179	811	11	44	228	582
CAMBRIDGE RESEARCH LABORATORY	L.G. HANSCOM FLD, MS.	58.994	35.347	56.232	32.659	154	903	17	155	54	562
EASTERN TEST RANGE	PATRICK AFB, FL	176.063	72.218	0.000	0.000	1361	1852	0	4	151	107
FLIGHT DYNAMICS LABORATORY	WPAFB, OH.	73.178	29.850	67.795	26.447	209	890	27	46	142	510
FLIGHT TEST CENTER	EDWARDS AFB, CA.	103.574	86.883	62.622	47.837	3291	1684	3	9	209	288
FRANK J. SEILER RESEARCH LABORATORY	USAF ACADEMY, CO.	1.727	1.577	0.612	0.542	21	9	15	1	20	3
HUMAN RESOURCES LABORATORY	BROOKS AFB, TX.	15.862	8.150	14.144	6.452	120	238	13	40	43	105
MATERIALS LABORATORY	WPAFB, OH.	66.686	11.538	44.926	10.278	54	335	19	54	64	225
ROCKET PROPULSION LABORATORY	EDWARDS AFB, CA.	29.790	11.801	27.583	9.719	178	269	8	11	75	94
ROME AIR DEVELOPMENT CENTER	GRIFFISS AFB, N.Y.	159.792	19.755	58.134	13.060	294	1125	10	12	109	521
SPACE AND MISSLE TEST CENTER	VANDENBURG AFB, CA.	68.967	17.613	49.878	10.488	395	338	2	0	177	112
USAF SCHOOL OF AEROSPACE MEDICINE	BROOKS AFB, TX.	19.318	17.284	10.404	8.436	392	289	48	32	103	107
WEAPONS LABORATORY	KIRTLAND AFB, N.M.	112.962	31.502	102.836	21.662	676	460	106	33	476	224
6570 AEROSPACE MEDICAL RESEARCH LABORATORY	WPAFB, OH	13.108	7.437	11.090	5.419	133	160	25	25	66	97
TOTALS		1558.436	631.011	905.323	377.497	13643	13306	451	565	3670	4419

TABLE 6. AIR FORCE RDT&E FACILITIES DATA, FY 1975

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLIONS $)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT
AEROPROPULSION LABORATORY	WPAFB, OH.	40	227.103	32.999	390.434	12.303	18.849
AEROSPACE RESEARCH LABORATORIES	WPAFB, OH	34	69.335	39.679	34.217	13.510	19.430
AIR FORCE CIVIL ENGINEERING CENTER	TYNDALL AFB FL	760	10.136	22.391	27.612	1.185	2.390
AIR FORCE SATELLITE CONTROL FACILITY	LOS ANGELES CA	3329	[illegible].266	124.202	494.803	38.984	155.942
ARMAMENT DEVELOPMENT AND TEST CENTER	EGLIN AFB, FL.	464080	[illegible].225	694.815	9977.678	233.998	400.000
ARNOLD ENGINEERING DEVELOPMENT CENTER	TULLAHOMA, TN.	39875	[illegible]50.790	201.411	534.954	371.962	64.263
AVIONICS LABORATORY	WPAFB, OH.	230	[illegible]29.901	12.152	412.829	21.652	48.133
CAMBRIDGE RESEARCH LABORATORY	L.G. HANSCOM FLD, MS.	9662	578.747	14.813	[illegible]19.768	20.668	56.390
EASTERN TEST RANGE	PATRICK AFB, FL	17527	165.439	1144.906	4520.054	389.302	433.579
FLIGHT DYNAMICS LABORATORY	WPAFB, OH.	90	590.130	61.300	204.719	25.759	60.000
FLIGHT TEST CENTER	EDWARDS AFB, CA.	246323	457.124	254.789	6692.394	188.136	79.551
FRANK J. SEILER RESEARCH LABORATORY	USAF ACADEMY, CO.	0	9.400	3.200	0.240	1.300	1.695
HUMAN RESOURCES LABORATORY	BROOKS AFB, TX.	13	70.325	31.071	61.741	2.889	27.823
MATERIALS LABORATORY	WPAFB, OH.	14	201.133	22.760	111.156	17.532	13.154
ROCKET PROPULSION LABORATORY	EDWARDS AFB, CA.	54400	419.046	86.848	4.780	29.869	22.579
ROME AIR DEVELOPMENT CENTER	GRIFFISS AFB, N.Y.	1494	808.827	102.315	233.713	27.248	52.000
SPACE AND MISSLE TEST CENTER	VANDENBURG AFB, CA.	55567	91.407	334.384	431.954	94.520	0.000
USAF SCHOOL OF AEROSPACE MEDICINE	BROOKS AFB, TX.	74	407.093	88.020	55.013	15.188	21.807
WEAPONS LABORATORY	KIRTLAND AFB, N.M.	702	419.915	123.071	112.169	12.437	37.385
6570 AEROSPACE MEDICAL RESEARCH LABORATORY	WPAFB, OH	30	223.459	10.000	15.200	11.693	16.796
TOTALS		894244	6344.801	3405.126	24435.428	1530.135	1531.766

TABLE 7. DEPARTMENT OF DEFENSE RDT&E ACTIVITIES, PROGRAM AND PERSONNEL DATA, FY 1975

INSTALLATION		FUNDING DATA (MILLIONS $)				PERSONNEL DATA					
		TOTAL	TOTAL INHOUSE	TOTAL RDT&E	INHOUSE RDT&E	TOTAL MIL	TOTAL CIV	PHD MIL	PHD CIV	PROF MIL	PROF CIV
ARMED FORCES RADIOBIOLOGY RES. INSTITUTE	BETHESDA,MD	5.239	5.239	3.857	3.857	87	137	19	19	53	63
TOTALS		5.239	5.239	3.857	3.857	87	137	19	19	53	63

SUMMARY

DEPARTMENT OF DEFENSE IN-HOUSE R&D LABORATORIES

PROGRAM DATA FOR FY 1975

	(MILLIONS)
TOTAL ANNUAL LABORATORY PROGRAM	3916.993
TOTAL INHOUSE PROGRAM	1929.812
TOTAL RDT&E PROGRAM	2316.055
TOTAL INHOUSE RDT&E	1229.230
TOTAL ANNUAL OPERATING COST	561.133

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHD	TOTAL PROFESSIONALS
MILITARY	13977	1046	5121
CIVILIAN	60369	3385	26148
TOTAL	74346	4431	31269

PHYSICAL FACILITIES (END OF FY 1975)

ACRES	1786037
SPACE (THOUSANDS OF SQ FT)	
LABORATORY	32543.963
ADMINISTRATIVE	18489.084
OTHER	51332.326
TOTAL	102365.373
COST (MILLIONS)	
REAL PROPERTY	8083.751
EQUIPMENT	3394.842
TOTAL	11478.593

TABLE 1A. ARMY R&D LABORATORIES, PROGRAM AND PERSONNEL DATA, FY 1975

INSTALLATION		FUNDING DATA (MILLIONS $)				PERSONNEL DATA					
		TOTAL	TOTAL INHOUSE	TOTAL RDT&E	INHOUSE RDT&E	TOTAL MIL	TOTAL CIV	PHD MIL	PHD CIV	PROF MIL	PROF CIV
AEROMEDICAL RESEARCH UNIT	FT. RUCKER, AL.	3.284	3.284	2.473	2.473	54	56	15	6	21	16
AIR MOBILITY R&D LABORATORY	MOUNTAIN VIEW, CAL.	43.746	13.583	43.746	13.583	29	616	1	27	21	321
ATMOSPHERIC SCIENCES LABORATORY	WHITE SANDS MR, N.M.	13.412	9.788	13.262	9.638	439	235	0	13	3	101
AVIONICS LABORATORY	EATONTOWN, N.J.	15.802	12.693	11.132	8.779	12	197	0	5	7	140
BALLISTICS RESEARCH LABORATORIES	ABERDEEN PROV GR, MD.	37.385	26.976	34.311	24.147	66	837	4	106	36	419
BENET WEAPONS LABORATORY	WATERVLIET, N.Y.	20.622	15.607	14.849	9.834	7	385	2	41	7	177
COLD REGIONS R&E LABORATORIES	HANOVER, N.H.	8.639	6.376	5.663	4.434	13	240	1	28	8	118
COMBAT SURVEILLANCE & TGT ACQUISITION LABS	FT. MONMOUTH, N.J.	26.408	14.931	26.408	14.931	15	257	0	11	9	169
COMMUNICATIONS ADP LABORATORY	FT. MONMOUTH, N.J.	20.521	15.665	17.520	12.759	11	361	1	18	10	252
CONSTRUCTION ENGINEERING RESEARCH LABORATORY	URBANA, IL.	8.890	7.251	8.357	6.778	3	209	0	25	3	101
EDGEWOOD ARSENAL LABORATORIES	EDGEWOOD ARSENAL, MD.	46.511	41.104	37.004	33.224	129	876	34	57	122	478
ELECTRONIC WARFARE LABORATORY	FT. MONMOUTH, N.J.	68.914	19.475	44.284	17.645	59	459	0	6	25	217
ELECTRONICS TECHNOLOGY AND DEVICES LAB	FT. MONMOUTH, N.J.	18.633	11.914	16.948	10.512	5	348	0	36	7	226
ENGINEER TOPOGRAPHIC LABORATORIES	FT. BELVOIR, VA.	15.693	7.866	15.445	7.622	20	260	1	21	9	164
ENGINEER WATERWAYS EXPERIMENT STATION	VICKSBURG, MISS.	39.181	32.959	12.012	10.077	39	1350	3	70	26	477
FRANKFORD ARSENAL LABORATORIES	PHILADELPHIA, PA.	324.011	84.596	22.310	17.249	25	1648	0	40	25	629
HARRY DIAMOND LABORATORIES	WASHINGTON, D.C.	111.149	37.951	47.617	27.744	11	1400	4	66	11	518
HUMAN ENGINEERING LABORATORY	ABERDEEN PROV GR, MD.	5.698	5.174	4.792	4.268	31	119	1	13	10	79
INSTITUTE OF DENTAL RESEARCH	WASHINGTON, D.C.	1.967	1.967	1.006	1.006	62	26	22	2	51	6
INSTITUTE OF SURGICAL RESEARCH	FT. SAM HOUSTON, TX.	3.454	3.454	1.545	1.545	136	77	20	3	22	7
LETTERMAN ARMY INSTITUTE OF RESEARCH	PRESIDIO, S.F., CAL.	13.098	7.457	5.144	5.144	264	225	49	16	106	59
MATERIALS AND MECHANICS RESEARCH CENTER	WATERTOWN, MASS.	31.723	16.311	22.985	11.947	17	656	2	65	1	214
MEDICAL BIOENGINEERING R&D LABORATORY	FORT DIETRICK, MD.	2.738	2.738	2.297	2.297	30	76	7	12	22	32
MEDICAL RESEARCH AND DEVELOPMENT COMMAND HQ	WASHINGTON, DC	23.176	3.256	21.770	1.850	63	106	15	0	44	8
MEDICAL RESEARCH INST OF INFECTIOUS DISEASES	FORT DETRICK,MD	10.414	10.414	7.262	7.262	317	198	58	24	65	63
MISSILE RES., DEV. AND ENGINEERING LAB	REDSTONE ARSENAL, AL.	94.989	52.599	78.027	37.653	37	1183	5	80	24	806
MOBILITY EQUIPMENT R&D CENTER	FT. BELVOIR, VA.	85.961	28.526	42.531	20.559	53	1270	1	26	53	450
NATICK DEVELOPMENT CENTER	NATICK MASSACHUSETTS	34.951	27.906	20.175	15.371	118	1189	7	87	28	447
NIGHT VISION LABORATORY	FT. BELVOIX, VA.	39.086	18.238	39.086	18.238	29	434	1	30	7	204
PICATINNY ARSENAL LABORATORIES	DOVER, N.J.	134.472	86.872	68.000	36.900	68	4286	0	64	22	1625
RESEARCH INST FOR BEHAVIORAL & SOCIAL SCI	WASHINGTON, D.C.	13.978	4.725	13.978	4.725	36	232	0	113	42	172
RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	NATICK, MASS.	4.255	4.255	3.337	3.337	83	85	18	20	50	41
ROCK ISLAND ARSENAL LABORATORIES	ROCK ISLAND, IL.	25.351	18.454	15.612	10.157	12	746	1	15	6	256
TANK-AUTOMOTIVE LABORATORIES	WARREN, MI.	45.921	25.036	27.738	13.789	23	898	1	8	11	365
US ARMY RESEARCH OFFICE	RSCH TRIANGLE PARK,NC	20.062	0.467	17.968	0.000	16	82	1	21	14	23
WALTER REED ARMY INSTITUTE OF RESEARCH	WASHINGTON, D.C.	21.450	21.450	13.870	13.870	456	537	155	73	448	500
TOTALS		1435.545	701.318	780.464	441.346	2788	22159	430	1248	1382	9960

TABLE 2A. ARMY R&D FACILITIES DATA, FY 1975

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLIONS $)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT
AEROMEDICAL RESEARCH UNIT	FT. RUCKER, AL.	10	43.136	7.188	11.502	0.550	4.500
AIR MOBILITY R&D LABORATORY	MOUNTAIN VIEW, CAL.	108	85.014	43.308	15.584	1.474	5.470
ATMOSPHERIC SCIENCES LABORATORY	WHITE SANDS MR, N.M.	45	5.100	3.100	3.600	48.000	22.000
AVIONICS LABORATORY	EATONTOWN, N.J.	0	25.742	30.108	0.000	0.000	10.967
BALLISTICS RESEARCH LABORATORIES	ABERDEEN PROV GR, MD.	3380	601.076	6.000	3.000	6234.072	34.072
BIRET WEAPONS LABORATORY	WATERVLIET, N.Y.	4	168.263	24.600	7.489	4.028	6.560
COLD REGIONS ABF LABORATORIES	HANOVER, N.H.	24	17.230	6.168	97.646	4.142	5.536
COMBAT SURVEILLANCE & TGT ACQUISITION LABS	FT. MONMOUTH, N.J.	0	101.823	4.160	9.515	0.000	4.500
COMMUNICATIONS AUP LABORATORY	FT. MONMOUTH, N.J.	0	41.000	48.000	1.000	0.000	10.628
CONSTRUCTION ENGINEERING RESEARCH LABORATORY	URBANA, IL.	30	76.081	34.159	0.000	3.851	2.579
EDGEWOOD ARSENAL LABORATORIES	EDGEWOOD ARSENAL, MD.	2000	505.963	125.211	106.492	16.879	14.601
ELECTRONIC WARFARE LABORATORY	FT. MONMOUTH, N.J.	0	142.936	13.617	48.502	89.455	84.300
ELECTRONICS TECHNOLOGY AND DEVICES LAB	FT. MONMOUTH, N.J.	0	96.569	9.990	27.403	0.000	10.080
ENGINEER TOPOGRAPHIC LABORATORIES	FT. BELVOIR, VA.	0	81.200	5.500	13.300	0.000	8.706
ENGINEER WATERWAYS EXPERIMENT STATION	VICKSBURG, MISS.	1224	1589.095	324.036	171.234	16.436	28.264
FRANKFORD ARSENAL LABORATORIES	PHILADELPHIA, PA.	43	577.421	149.872	425.050	16.960	12.549
HARRY DIAMOND LABORATORIES	WASHINGTON, D.C.	2237	443.588	115.245	101.997	27.096	29.486
HUMAN ENGINEERING LABORATORY	ABERDEEN PROV GR, MD.	10	27.100	17.605	28.953	0.717	2.991
INSTITUTE OF DENTAL RESEARCH	WASHINGTON, D.C.	4	9.325	5.696	6.730	0.790	0.950
INSTITUTE OF SURGICAL RESEARCH	FT. SAM HOUSTON, TX.	1	26.424	1.800	22.408	1.968	1.658
LETTERMAN ARMY INSTITUTE OF RESEARCH	PRESIDIO, S.F., CAL.	5	135.235	89.533	96.201	22.449	8.089
MATERIALS AND MECHANICS RESEARCH CENTER	WATERTOWN, MASS.	48	389.161	96.018	169.979	15.726	15.400
MEDICAL BIOENGINEERING R&D LABORATORY	FORT DIETRICK, MD.	5	35.500	27.300	43.775	2.927	1.802
MEDICAL RESEARCH AND DEVELOPMENT COMMAND HQ	WASHINGTON, DC	0	0.000	21.905	0.000	0.000	0.000
MEDICAL RESEARCH INST OF INFECTIOUS DISEASES	FORT DETRICK,MD	57	93.217	13.819	198.731	17.824	3.567
MISSILE RES., DEV. AND ENGINEERING LAB	REDSTONE ARSENAL, AL.	11000	911.000	141.000	71.000	28.671	36.741
MOBILITY EQUIPMENT R&D CENTER	FT. BELVOIR, VA.	1064	620.600	116.500	214.600	40.933	30.000
NATICK DEVELOPMENT CENTER	NATICK MASSACHUSETTS	3016	550.562	65.900	412.268	25.608	14.041
NIGHT VISION LABORATORY	FT. BELVOIR, VA.	21	73.261	3.521	67.207	43.961	40.905
PICATINNY ARSENAL LABORATORIES	DOVER, N.J.	5848	605.014	643.237	2604.859	76.657	58.748
RESEARCH INST FOR BEHAVIORAL & SOCIAL SCI	WASHINGTON, D.C.	0	30.990	6.961	11.179	0.123	1.664
RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	NATICK, MASS.	4	60.421	18.563	28.647	3.663	2.209
ROCK ISLAND ARSENAL LABORATORIES	ROCK ISLAND, IL.	18	217.384	50.257	214.591	3.788	11.971
TANK-AUTOMOTIVE LABORATORIES	WARREN, MI.	125	599.743	0.000	0.000	28.470	10.600
US ARMY RESEARCH OFFICE	RSCH TRIANGLE PARK,NC	10	0.000	19.000	3.106	0.000	280.000
WALTER REED ARMY INSTITUTE OF RESEARCH	WASHINGTON, D.C.	206	389.300	58.600	0.000	0.000	16.349
TOTALS		30547	9375.474	2347.477	5237.548	6777.218	832.483

TABLE 3A. NAVY R&D LABORATORIES, PROGRAM AND PERSONNEL DATA, FY 1975

INSTALLATION		FUNDING DATA (MILLIONS $)				PERSONNEL DATA					
		TOTAL	TOTAL INHOUSE	TOTAL RDT&E	INHOUSE RDT&E	TOTAL MIL	TOTAL CIV	PHD MIL	PHD CIV	PROF MIL	PROF CIV
CIVIL ENGINEERING LABORATORY	PORT HUENEME CA	13.267	10.883	9.681	7.839	15	307	1	28	8	154
ENVIRONMENTAL PREDICTION RESEARCH FACILITY	MONTEREY, CA.	2.347	1.311	2.022	1.048	19	33	0	4	6	29
NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY	PENSACOLA, FL.	5.146	5.146	4.640	4.640	54	115	15	16	23	53
NAVAL AIR DEVELOPMENT CENTER	JOHNSVILLE, PA.	140.773	59.967	89.315	43.564	303	2408	3	31	73	1111
NAVAL AIR ENGINEERING CENTER	LAKEHURST, NJ	84.907	41.382	20.880	18.768	234	1667	4	2	40	383
NAVAL ARCTIC RESEARCH LABORATORY	BARROW,AK	7.975	0.039	5.968	0.000	2	0	0	0	1	0
NAVAL BIOMEDICAL RESEARCH LABORATORY	OAKLAND,CA.	2.605	0.566	1.865	0.320	14	6	5	2	8	2
NAVAL BLOOD RESEARCH LABORATORY	CHELSEA, MS.	0.910	0.910	0.710	0.710	17	13	2	0	4	3
NAVAL CLOTHING AND TEXTILE RESEARCH UNIT	NATICK, MS.	1.534	1.534	0.710	0.710	1	60	0	0	1	31
NAVAL COASTAL SYSTEMS LABORATORY	PANAMA CITY FL	26.950	18.994	17.163	11.143	117	627	3	20	12	268
NAVAL DENTAL RESEARCH INSTITUTE, NTC	GREAT LAKES, IL	0.911	0.911	0.517	0.517	23	16	8	3	10	7
NAVAL ELECTRONICS LABORATORY CENTER	SAN DIEGO, CA.	75.657	51.264	45.865	28.637	82	1455	2	74	35	859
NAVAL MEDICAL FIELD RESEARCH LABORATORY	CAMP LEJEUNE, N.C.	1.161	1.102	0.773	0.768	30	40	4	2	7	7
NAVAL MEDICAL RESEARCH INSTITUTE	BETHESDA, MD.	9.082	9.082	6.824	6.824	209	207	65	41	81	87
NAVAL MEDICAL RESEARCH UNIT NO. 2	TAIPEI, TAIWAN	2.223	2.223	1.660	1.660	32	4	11	1	15	3
NAVAL MEDICAL RESEARCH UNIT NO. 3	CAIRO, EGYPT	1.790	1.790	0.512	0.512	24	216	4	10	9	30
NAVAL MEDICAL RESEARCH UNIT NO. 5 (ETHIOPIA)	APO NEW YORK NY	0.698	0.698	0.452	0.452	19	58	4	0	8	3
NAVAL RESEARCH LABORATORY	WASHINGTON, D.C.	169.941	163.412	133.593	127.064	148	3678	2	520	31	1602
NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER	WASHINGTON, D.C.	109.002	66.045	75.161	46.220	46	2820	0	125	14	1265
NAVAL SUBMARINE MEDICAL RESEARCH LABORATORY	GROTON CT	2.202	2.106	1.703	1.607	35	60	7	11	10	29
NAVAL SURFACE WEAPONS CENTER	SILVER SPRING, MD	226.986	130.815	150.949	85.272	124	5305	2	246	51	2394
NAVAL UNDER WATER RANGES DIRECTORATE	NEWPORT, R I	18.327	6.212	3.566	1.219	34	42	0	1	16	25
NAVAL UNDER WATER SYSTEMS CENTER	NEWPORT,RI	138.478	83.588	52.499	31.499	113	3159	2	89	30	1450
NAVAL UNDERSEA CENTER	SAN DIEGO CA	84.658	54.516	62.127	38.270	294	1648	2	118	12	706
NAVAL WEAPONS CENTER	CHINA LAKE, CA.	211.513	126.765	119.512	78.108	545	4501	0	142	67	1523
NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT	SAN DIEGO, CA	2.306	2.306	1.800	1.800	28	72	12	11	18	39
NAVY PERSONNEL RESEARCH & DEVELOPMENT CENTER	SAN DIEGO,CA	9.942	6.717	7.854	5.094	28	276	1	74	20	211
TOTALS		1351.291	850.284	818.321	544.265	2590	28793	159	1571	610	12274

TABLE 4A. NAVY R&D FACILITIES DATA, FY 1975

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLIONS $)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT
CIVIL ENGINEERING LABORATORY	PORT HUENEME CA	22	120.352	23.977	31.548	2.055	2.780
ENVIRONMENTAL PREDICTION RESEARCH FACILITY	MONTEREY, CA.	0	3000.180	8000.501	20010.490	0.000	0.086
NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY	PENSACOLA, FL.	0	159.496	21.502	6.555	2.830	2.842
NAVAL AIR DEVELOPMENT CENTER	JOHNSVILLE, PA.	750	833.000	43.000	451.000	25.320	40.323
NAVAL AIR ENGINEERING CENTER	LAKEHURST, NJ	74160	247.984	109.771	2348.732	81.061	16.488
NAVAL ARCTIC RESEARCH LABORATORY	BARROW,AK	4973	40.800	5.800	209.400	30.587	19.413
NAVAL BIOMEDICAL RESEARCH LABORATORY	OAKLAND,CA.	5	64.700	8.731	45.372	0.100	3.000
NAVAL BLOOD RESEARCH LABORATORY	CHELSEA, MS.	0	6.500	1.240	2.448	0.000	0.525
NAVAL CLOTHING AND TEXTILE RESEARCH UNIT	NATICK, MS.	2	10.000	7.000	3.000	0.400	0.617
NAVAL COASTAL SYSTEMS LABORATORY	PANAMA CITY FL	674	225.144	35.596	314.108	24.169	13.815
NAVAL DENTAL RESEARCH INSTITUTE, NTC	GREAT LAKES, IL	0	11.780	10.174	9.487	0.000	0.666
NAVAL ELECTRONICS LABORATORY CENTER	SAN DIEGO, CA.	1548	414.583	117.749	88.030	12.348	40.733
NAVAL MEDICAL FIELD RESEARCH LABORATORY	CAMP LEJEUNE, N.C.	0	29.816	8.655	19.381	0.573	0.524
NAVAL MEDICAL RESEARCH INSTITUTE	BETHESDA, MD.	4	133.495	12.945	38.547	4.016	5.284
NAVAL MEDICAL RESEARCH UNIT NO. 2	TAIPEI, TAIWAN	20	328.820	60.750	48.364	1.010	6.450
NAVAL MEDICAL RESEARCH UNIT NO. 3	CAIRO, EGYPT	3	22.789	5.708	34.747	0.347	0.889
NAVAL MEDICAL RESEARCH UNIT NO. 5 (ETHIOPIA)	APO NEW YORK NY	1	4.274	3.016	0.832	0.000	0.240
NAVAL RESEARCH LABORATORY	WASHINGTON, D.C.	698	2128.947	236.893	592.318	82.164	71.137
NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER	WASHINGTON, D.C.	322	388.522	192.814	1405.876	71.138	45.015
NAVAL SUBMARINE MEDICAL RESEARCH LABORATORY	GROTON CT	0	23.325	6.441	13.118	0.000	1.140
NAVAL SURFACE WEAPONS CENTER	SILVER SPRING, MD	5381	972.186	268.292	1629.918	124.458	86.559
NAVAL UNDER WATER RANGES DIRECTORATE	NEWPORT, R I	1042	67.000	11.173	266.044	21.396	0.075
NAVAL UNDER WATER SYSTEMS CENTER	NEWPORT,RI	381	702.100	107.528	550.000	30.580	57.182
NAVAL UNDERSEA CENTER	SAN DIEGO CA	36898	795.746	128.686	397.240	47.330	49.541
NAVAL WEAPONS CENTER	CHINA LAKE, CA.	1093634	614.574	322.980	5279.812	220.326	78.667
NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT	SAN DIEGO, CA	0	0.000	0.000	0.000	0.000	0.267
NAVY PERSONNEL RESEARCH & DEVELOPMENT CENTER	SAN DIEGO,CA	10	7300.000	4900.000	0.000	30.200	1080.004
TOTALS		1220528	18646.113	14650.922	33796.367	812.408	1604.262

TABLE 5A. AIR FORCE R&D LABORATORIES, PROGRAM AND PERSONNEL DATA, FY 1975

INSTALLATION		FUNDING DATA (MILLIONS $)				PERSONNEL DATA					
		TOTAL	TOTAL INHOUSE	TOTAL RDT&E	INHOUSE RDT&E	TOTAL MIL	TOTAL CIV	PHD MIL	PHD CIV	PROF MIL	PROF CIV
AEROPROPULSION LABORATORY	WPAFB, OH.	64.975	10.774	60.842	9.841	49	354	12	29	42	202
AEROSPACE RESEARCH LABORATORIES	WPAFB, OH	10.840	6.604	9.640	5.404	69	174	24	45	53	66
AIR FORCE CIVIL ENGINEERING CENTER	TYNDALL AFB FL	5.069	3.983	0.609	0.354	168	17	10	0	63	12
AIR FORCE SATELLITE CONTROL FACILITY	LOS ANGELES CA	42.914	26.319	2.606	0.000	1431	346	1	0	291	37
ARMAMENT DEVELOPMENT AND TEST CENTER	EGLIN AFB, FL.	331.014	131.927	130.864	73.989	4379	2900	92	20	1247	484
AVIONICS LABORATORY	WPAFB, OH.	118.719	19.123	115.096	15.500	179	811	11	44	228	582
CAMBRIDGE RESEARCH LABORATORY	L.G. HANSCOM FLD, MS.	58.994	35.347	56.237	32.659	154	903	17	155	54	562
FLIGHT DYNAMICS LABORATORY	WPAFB, OH.	73.176	29.850	67.795	26.447	209	890	27	46	142	510
FRANK J. SEILER RESEARCH LABORATORY	USAF ACADEMY, CO.	1.717	1.577	0.612	0.542	21	9	15	1	20	3
HUMAN RESOURCES LABORATORY	BROOKS AFB, TX.	15.842	8.150	14.144	6.452	126	238	13	40	43	105
MATERIALS LABORATORY	WPAFB, OH.	66.686	11.538	44.926	10.278	54	335	19	54	64	225
ROCKET PROPULSION LABORATORY	EDWARDS AFB, CA.	29.790	11.801	27.583	9.719	178	269	8	11	75	94
ROME AIR DEVELOPMENT CENTER	GRIFFISS AFB, N.Y.	159.792	19.755	58.134	13.060	294	1125	10	12	109	521
USAF SCHOOL OF AEROSPACE MEDICINE	BROOKS AFB, TX.	19.318	17.284	10.404	8.436	392	289	48	32	103	107
WEAPONS LABORATORY	KIRTLAND AFB, N.M.	112.982	31.502	102.836	23.662	676	460	106	33	476	224
6570 AEROSPACE MEDICAL RESEARCH LABORATORY	WPAFB, OH	13.108	7.437	11.090	5.419	133	160	25	25	66	97
TOTALS		1124.918	372.971	713.413	239.762	8512	9280	438	547	3076	3851

TABLE 6A. AIR FORCE R&D FACILITIES DATA, FY 1975

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLIONS $)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT
AEROPROPULSION LABORATORY	WPAFB, OH.	40	227.103	32.999	390.434	12.303	18.849
AEROSPACE RESEARCH LABORATORIES	WPAFB, OH	34	69.335	39.679	34.217	13.510	19.430
AIR FORCE CIVIL ENGINEERING CENTER	TYNDALL AFB FL	760	10.136	22.391	27.612	1.185	2.390
AIR FORCE SATELLITE CONTROL FACILITY	LOS ANGELES CA	3329	85.266	124.202	494.803	38.984	155.942
ARMAMENT DEVELOPMENT AND TEST CENTER	EGLIN AFB, FL.	464080	130.225	694.815	9977.678	233.998	400.000
AVIONICS LABORATORY	WPAFB, OH.	230	229.901	12.152	412.829	21.652	46.133
CAMBRIDGE RESEARCH LABORATORY	L.G. HANSCOM FLD, MS.	9662	578.747	14.813	119.768	20.668	56.390
FLIGHT DYNAMICS LABORATORY	WPAFB, OH.	90	590.130	61.300	204.719	25.759	60.000
FRANK J. SEILER RESEARCH LABORATORY	USAF ACADEMY, CO.	0	9.400	3.200	0.240	1.300	1.695
HUMAN RESOURCES LABORATORY	BROOKS AFB, TX.	13	70.325	31.071	61.741	2.889	27.823
MATERIALS LABORATORY	WPAFB, OH.	14	201.133	22.760	111.156	17.532	13.154
ROCKET PROPULSION LABORATORY	EDWARDS AFB, CA.	54400	419.046	86.848	4.780	29.869	22.579
ROME AIR DEVELOPMENT CENTER	GRIFFISS AFB, N.Y.	1494	808.827	102.315	233.713	27.248	52.060
USAF SCHOOL OF AEROSPACE MEDICINE	BROOKS AFB, TX.	74	407.093	88.020	55.013	15.188	21.867
WEAPONS LABORATORY	KIRTLAND AFB, N.M.	702	419.915	123.071	112.169	12.437	37.385
6570 AEROSPACE MEDICAL RESEARCH LABORATORY	WPAFB, OH	30	223.459	10.000	15.200	11.693	16.796
TOTALS		534952	4480.041	1469.636	12256.072	486.215	954.373

TABLE 7A. DEPARTMENT OF DEFENSE RDT&E FACILITIES DATA, FY 1975

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLIONS $)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT
ARMED FORCES RADIOBIOLOGY RES. INSTITUTE	BETHESDA, MD	10	42.335	21.049	42.339	7.910	3.724
TOTALS		10	42.335	21.049	42.339	7.910	3.724

TABLE 8 - ARMY RESEARCH AND DEVELOPMENT LABORATORY ORGANIZATIONAL RELATIONSHIPS

	COMMAND CHAIN	
	INTERMEDIATE	COMMAND
AEROMEDICAL RESEARCH UNIT	MEDICAL R&D COMMAND	THE SURGEON GENERAL
AIR MOBILITY RESEARCH AND DEVELOPMENT LABS	AVIATION SYSTEMS COMMAND	ARMY MAT. DEV. & READ. CMD.
ATMOSPHERIC SCIENCES LABORATORY	ELECTRONICS COMMAND	ARMY MAT. DEV. & READ. CMD.
AVIONICS LABORATORY	ELECTRONICS COMMAND	ARMY MAT. DEV. & READ. CMD.
BALLISTICS RESEARCH LABORATORIES	--	ARMY MAT. DEV. & READ. CMD.
BENET WEAPONS LABORATORY	ARMAMENT COMMAND	ARMY MAT. DEV. & READ. CMD.
COLD REGIONS RSE LABORATORIES	--	CHIEF OF ENGINEERS
COMBAT SURVEILLANCE & TARGET ACQUISITION LABS	ELECTRONICS COMMAND	ARMY MAT. DEV. & READ. CMD.
COMMUNICATIONS ADP LABORATORY	ELECTRONICS COMMAND	ARMY MAT. DEV. & READ. CMD.
CONSTRUCTION ENGINEERING RESEARCH LABORATORY	--	CHIEF OF ENGINEERS
EDGEWOOD ARSENAL LABORATORIES	ARMAMENT COMMAND	ARMY MAT. DEV. & READ. CMD.
ELECTRONIC WARFARE LABORATORY	ELECTRONICS COMMAND	ARMY MAT. DEV. & READ. CMD.
ELECTRONICS TECHNOLOGY & DEVICES LABORATORY	ELECTRONICS COMMAND	ARMY MAT. DEV. & READ. CMD.
ENGINEER TOPOGRAPHIC LABORATORIES	--	CHIEF OF ENGINEERS
ENGINEER WATERWAYS EXPERIMENT STATION	--	CHIEF OF ENGINEERS
FRANKFORD ARSENAL LABORATORIES	ARMAMENT COMMAND	ARMY MAT. DEV. & READ. CMD.
HARRY DIAMOND LABORATORIES	--	ARMY MAT. DEV. & READ. CMD.
HUMAN ENGINEERING LABORATORY	--	ARMY MAT. DEV. & READ. CMD.
INSTITUTE OF DENTAL RESEARCH	MEDICAL R&D COMMAND	THE SURGEON GENERAL
INSTITUTE OF SURGICAL RESEARCH	MEDICAL R&D COMMAND	THE SURGEON GENERAL
LETTERMAN ARMY INSTITUTE OF RESEARCH	MEDICAL R&D COMMAND	THE SURGEON GENERAL
MATERIALS AND MECHANICS RESEARCH CENTER	--	ARMY MAT. DEV. & READ. CMD.
MEDICAL BIOENGINEERING R&D LABORATORY	MEDICAL R&D COMMAND	THE SURGEON GENERAL
MEDICAL RESEARCH & DEVELOPMENT COMMAND HQ	--	THE SURGEON GENERAL
MEDICAL RESEARCH INST. OF INFECTIOUS DISEASES	MEDICAL R&D COMMAND	THE SURGEON GENERAL
MISSILE R&D LABORATORY	MISSILE COMMAND	ARMY MAT. DEV. & READ. CMD.
MOBILITY EQUIPMENT R&D CENTER	--	ARMY MAT. DEV. & READ. CMD.
NATICK DEVELOPMENT CENTER	--	ARMY MAT. DEV. & READ. CMD.
NIGHT VISION LABORATORY	ELECTRONICS COMMAND	ARMY MAT. DEV. & READ. CMD.
PICATINNY ARSENAL LABORATORIES	ARMAMENT COMMAND	ARMY MAT. DEV. & READ. CMD.
RES. INST. FOR BEHAVIORAL & SOCIAL SCIENCES	--	OFFICE OF CHIEF OF RESEARCH DEVELOPMENT & ACQUISITION

TABLE 8 - ARMY RESEARCH AND DEVELOPMENT LABORATORY ORGANIZATIONAL RELATIONSHIPS (continued)

	COMMAND CHAIN	
	INTERMEDIATE	COMMAND
RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	MEDICAL R&D COMMAND	THE SURGEON GENERAL
ROCK ISLAND ARSENAL LABORATORIES	ARMAMENT COMMAND	ARMY MAT. DEV. & READ. CMD.
TANK-AUTOMOTIVE LABORATORIES	TANK-AUTOMOTIVE COMMAND	ARMY MAT. DEV. & READ. CMD.
US ARMY RESEARCH OFFICE	--	ARMY MAT. DEV. & READ. CMD.
WALTER REED ARMY INSTITUTE OF RESEARCH	MEDICAL R&D COMMAND	THE SURGEON GENERAL

TABLE 9 - NAVY RESEARCH AND DEVELOPMENT LABORATORY ORGANIZATIONAL RELATIONSHIPS

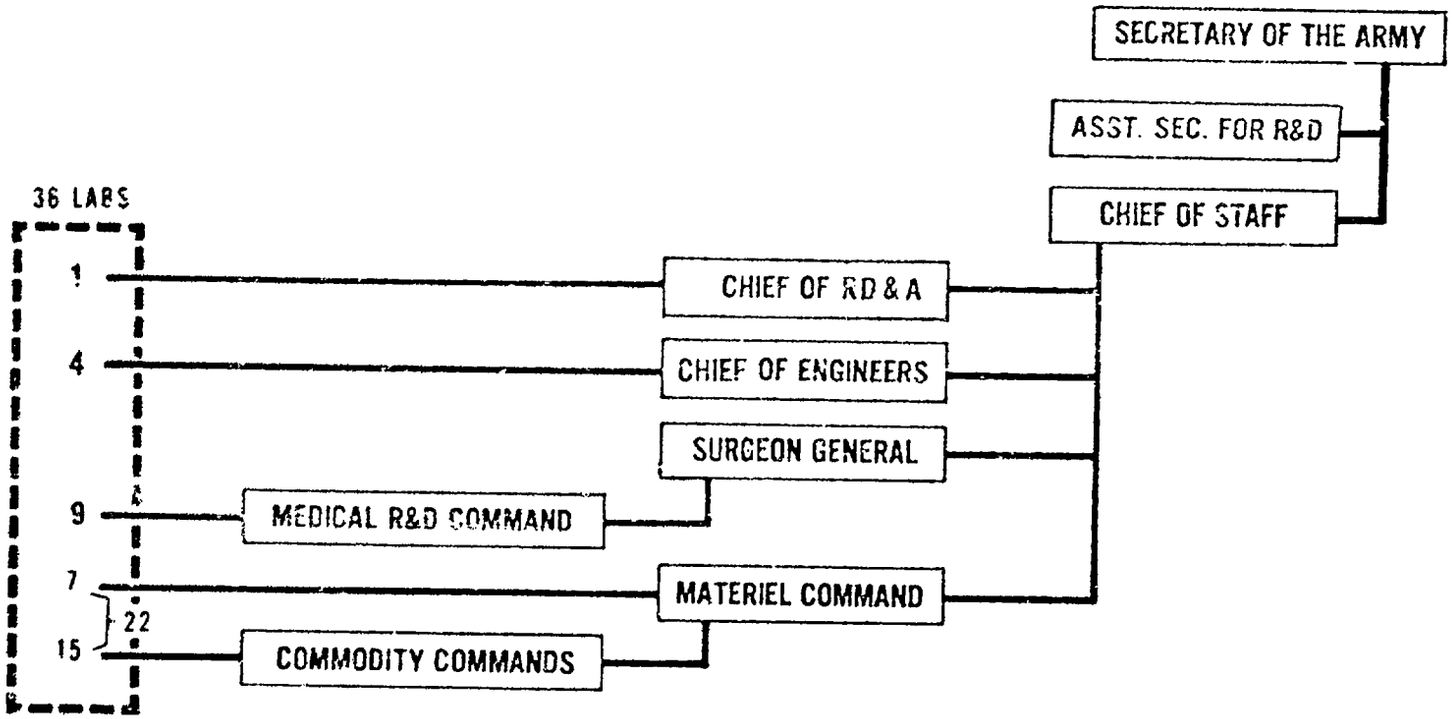
	COMMAND CHAIN	
	INTERMEDIATE	COMMAND
CIVIL ENGINEERING LABORATORY	NAVAL FAC. ENG. COMMAND	CHIEF OF NAVAL MATERIAL
ENVIRONMENTAL PREDICTION RESEARCH FACILITY	NAVAL AIR SYSTEMS COMMAND	CHIEF OF NAVAL MATERIAL
NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY	--	CHIEF, BUR OF MED/SUR
NAVAL AIR DEVELOPMENT CENTER	--	CHIEF OF NAVAL MATERIAL
NAVAL AIR ENGINEERING CENTER	NAVAL AIR SYSTEMS COMMAND	CHIEF OF NAVAL MATERIAL
NAVAL ARCTIC RESEARCH LABORATORY	--	CHIEF OF NAVAL RESEARCH
NAVAL BIOMEDICAL RESEARCH LABORATORY	--	CHIEF OF NAVAL RESEARCH
NAVAL BLOOD RESEARCH LABORATORY	--	CHIEF, BUR OF MED/SUR
NAVAL CLOTHING AND TEXTILE RESEARCH UNIT	NAVAL SUPPLY SYS COMMAND	CHIEF OF NAVAL MATERIAL
NAVAL COASTAL SYSTEMS LABORATORY	--	CHIEF OF NAVAL MATERIAL
NAVAL DENTAL RESEARCH INSTITUTE, NTC	--	CHIEF, BUR OF MED/SUR
NAVAL ELECTRONICS LABORATORY CENTER	--	CHIEF OF NAVAL MATERIAL
NAVAL MEDICAL FIELD RESEARCH LABORATORY	--	CHIEF OF NAVAL MATERIAL
NAVAL MEDICAL RESEARCH INSTITUTE	--	CHIEF, BUR OF MED/SUR
NAVAL MEDICAL RESEARCH UNIT NO. 2	--	CHIEF, BUR OF MED/SUR
NAVAL MEDICAL RESEARCH UNIT NO. 3	--	CHIEF, BUR OF MED/SUR
NAVAL MEDICAL RESEARCH UNIT NO. 5	--	CHIEF, BUR OF MED/SUR
NAVAL RESEARCH LABORATORY	--	CHIEF OF NAVAL RESEARCH
NAVAL RESEARCH AND DEVELOPMENT CENTER	--	CHIEF OF NAVAL MATERIAL
NAVAL SUBMARINE MEDICAL RESEARCH LABORATORY	--	CHIEF OF NAVAL MATERIAL
NAVAL SURFACE WEAPONS CENTER	--	CHIEF OF NAVAL MATERIAL
NAVAL UNDER WATER RANGES DIRECTORATE	--	CHIEF OF NAVAL MATERIAL
NAVAL UNDER WATER SYSTEMS CENTER	--	CHIEF OF NAVAL MATERIAL
NAVAL UNDERSEA CENTER	--	CHIEF OF NAVAL MATERIAL
NAVAL WEAPONS CENTER	--	CHIEF OF NAVAL MATERIAL
NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT	--	CHIEF, BUR OF MED/SUR
NAVY PERSONNEL RESEARCH & DEVELOPMENT CENTER	--	CHIEF OF NAVAL PERSONNEL

TABLE 10 - AIR FORCE RESEARCH AND DEVELOPMENT LABORATORY ORGANIZATIONAL RELATIONSHIPS

	COMMAND CHAIN	
	INTERMEDIATE	COMMAND
AEROPROPULSION LABORATORY	AF WRIGHT AERONAUTICAL LABS	AF SYSTEMS COMMAND
AEROSPACE RESEARCH LABORATORIES	--	AF SYSTEMS COMMAND
* ARMAMENT LABORATORY	ARMAMENT DEV & TEST CENTER	AF SYSTEMS COMMAND
AVIONICS LABORATORY	AF WRIGHT AERONAUTICAL LABS	AF SYSTEMS COMMAND
CAMBRIDGE RESEARCH LABORATORY	--	AF SYSTEMS COMMAND
FLIGHT DYNAMICS LABORATORY	AF WRIGHT AERONAUTICAL LABS	AF SYSTEMS COMMAND
FRANK J. SEILER RESEARCH LABORATORY	AF OFFICE OF SCIENTIFIC RES.	AF SYSTEMS COMMAND
HUMAN RESOURCES LABORATORY	--	AF SYSTEMS COMMAND
MATERIALS LABORATORY	AF WRIGHT AERONAUTICAL LABS	AF SYSTEMS COMMAND
ROCKET PROPULSION LABORATORY	--	AF SYSTEMS COMMAND
ROME AIR DEVELOPMENT CENTER	ELECTRONIC SYSTEMS DIVISION	AF SYSTEMS COMMAND
SCHOOL OF AEROSPACE MEDICINE	AEROSPACE MEDICAL DIVISION	AF SYSTEMS COMMAND
WEAPONS LABORATORY	--	AF SYSTEMS COMMAND
6570 AEROSPACE MEDICAL RESEARCH LABORATORY	AEROSPACE MEDICAL DIVISION	AF SYSTEMS COMMAND

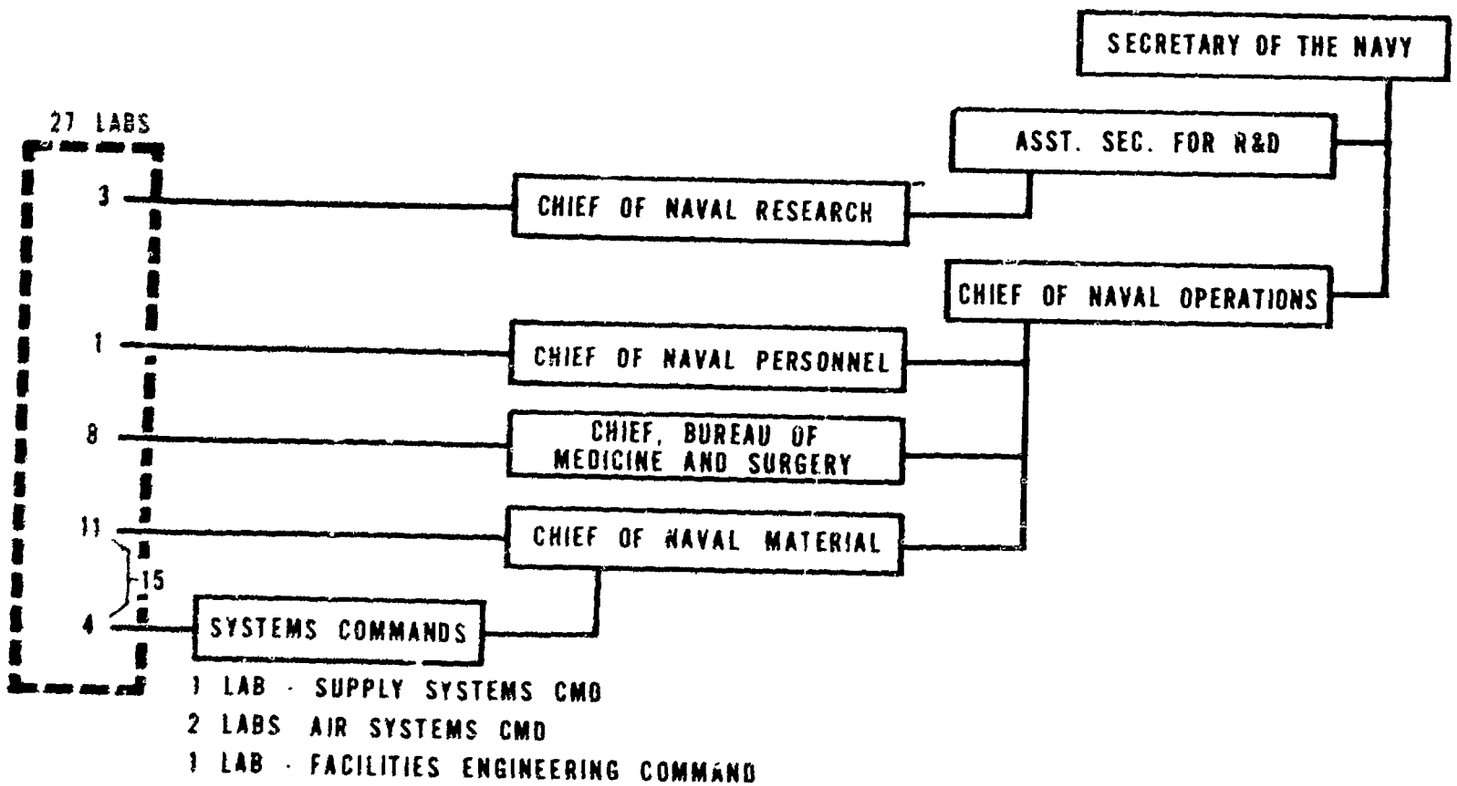
* Laboratory portion not reported separately in this report. (For Armament Laboratory, see Armament Development and Test Center.)

ARMY LABORATORIES COMMAND CHAIN

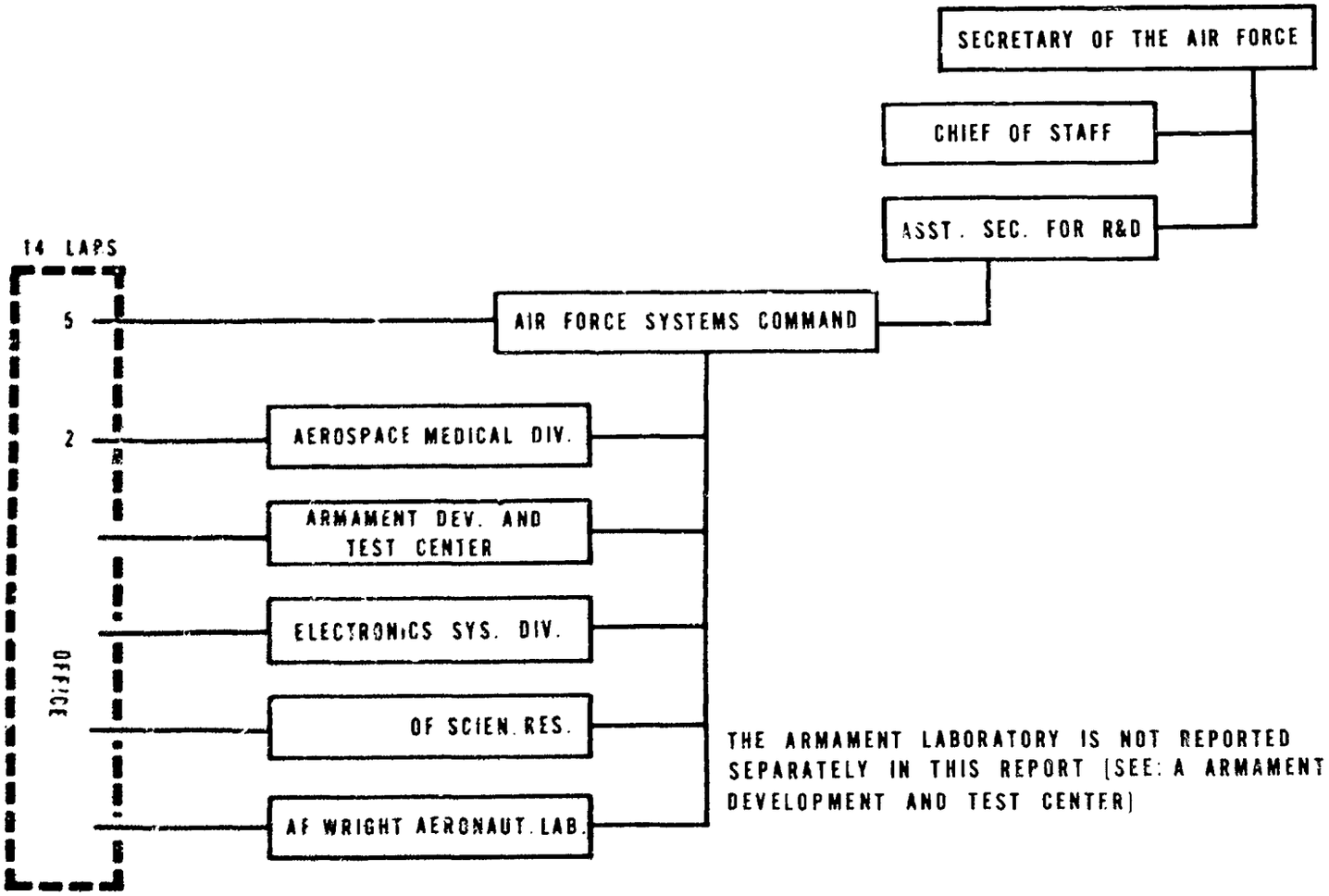


5 LABS – ARMAMENT CMD
1 – AVIATION SYSTEMS CMD
7 – ELECTRONICS CMD
1 – MISSILE CMD
1 – TANK-AUTOMOTIVE CMD

NAVY LABORATORIES COMMAND CHAIN



AIR FORCE LABORATORIES COMMAND CHAIN



INSTALLATION AEROMEDICAL RESEARCH UNIT FT. RUCKER, AL.

C.O. COL ROBERT W. BAILEY TECH. DIR. DR. MARK A. HOFMANN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	2.473	2.224
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.811	0.812
TOTAL ANNUAL LAB	3.284	3.036
TOTAL INHOUSE	3.284	3.036
TOTAL INHOUSE RDT&E	2.473	2.224
ANNUAL OPERATING COST	0.630	0.713

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON PROF
MILITARY	54	15	21	33
CIVILIAN	56	6	16	40
TOTAL	110	21	37	73

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
10	43.136	7.188	11.502	61.826	0.550	4.500

...MISSION
CDT BASIC AND APPLIED RSCH ON THE MED ASPECTS OF ARMY AVN, ABRN, AND GND OP THAT AFFECT THE HLTH, WLF, AND EFFCY OF THE SOLDIER. PERF MED RSCH ON VIS AND AUDITORY FUNC, MAN/MACH INTGR, MED ASPECTS OF NON MED MAT, PHYSIOLOGICAL AND PSY RESP TO OP ENV, AND MIL TNG IMPACTS UPON THE ENV.

...CURRENT IMPORTANT PROGRAMS
DIRECT FIELD RESEARCH SUPPORT TO IMMEDIATE ARMY AEROMEDICAL PROBLEMS. MEDICAL RESEARCH APPLIED TO PROBLEMS IN ARMY AVIATION RESEARCH TO PSYCHOACOUSTICAL PROBLEMS MEDICALLY SIGNIFICANT TO ARMY AVIATION. RESEARCH OF BIOENGINEERING PROBLEMS MEDICALLY SIGNIFICANT TO ARMY AVIATION. RESEARCH OF VISUAL PROBLEMS MEDICALLY SIGNIFICANT TO ARM AVN.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MAJOR EQUIPMENT INCLUDES A SOUNDPROOF HEARING ROOM, ANECHOIC CHAMBER, COLORIMETER, ECG AND EEG MACHINES, TECHNICON AUTOANALYZER, MASS SPECTROMETER, THREE DEGREE OF FREEDOM CLOSED LOOP SERVOHYDRALIC HELICOPTER SEAT MOUNTED SIMULAR, ELECTRONICS AND ENGINEERING FABRICATION SHOP, PHOTOGRAPHY LABORATORY AND AIRBORNE MONITORING EQUIPMENT.

INSTALLATION AIR DEFENSE BOARD EL PASO, TEXAS

PRES. MG C.J. LEVAN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	2.450	2.034
TOTAL PROCUREMENT	0.000	0.120
TOTAL O&M	0.000	0.040
TOTAL OTHER	3.049	1.830
TOTAL ANNUAL LAB	5.499	4.024
TOTAL INHOUSE	5.499	4.024
TOTAL INHOUSE RDT&E	2.450	2.034
ANNUAL OPERATING COST	0.655	0.385

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	310	0	27	283
CIVILIAN	125	0	9	116
TOTAL	435	0	36	399

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
26	36.550	36.646	30.114	103.310	1.895	10.207

...MISSION
PLAN, CONDUCT, & REPORT ON OPERATIONAL TEST I, OPERATIONAL TEST II, OPERATIONAL TEST III, & OTHER USER-TYPE TESTS OF AD WEAPON SYS, FIRE DISTRIBUTION SYS, ELECTRONIC COUNTER MEASURES & COUNTER-COUNTER MEASURES EQUIP & DEVICES & TARGET DEVICES. PARTICIPATE IN DT I, DT II & DT III.

...CURRENT IMPORTANT PROGRAMS
SPT DEVELOPMENT & OPERATIONAL TESTS OF COMMAND & CONTROL SYS AN/TSQ-73
CONCEPT EVALUATION OF CHAPARRAL AIR DEFENSE SYSTEM
VULCAN AIR DEFENSE SYSTEM TRAINING ANALYSIS
SPT CONTRACTOR & GOVERNMENT TESTS OF GUN LOW ALTITUDE ADS (GLAADS)
CONCEPT EVALUATION OF THE IMPROVED HAWK MOBILITY PROGRAM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
REVIEW & COMMENT ON TRAINING DEVICE REQUIREMENTS DOCUMENTS, ORGANIZATION PHASE DOCUMENTS, NEW EQUIPMENT TRAINING PACKAGES, & ASSIST IN REVIEW OF MILITARY SPECS. PROVIDE TRADOC TEST REQUIREMENTS FOR THE COORDINATED TEST PROGRAM. PLAN, DIRECT & CONTROL A PROGRAM IN TEST METHODOLOGY, TEST INSTRUMENTATION, & TEST FACILITIES NEEDED TO SUPPORT CURRENT & FUTURE TEST REQUIREMENTS WITHIN ASSIGNED MISSION AREA. SPT FIELD RESEARCH, STUDIES, TESTS, & OPERATIONS OF TRADOC, DA OR DOD AGENCIES AS REQUIRED & DIRECTED BY CG USA AIR DEFENSE CENTER & FORT BLISS. EQUIPMENT: ACCESS TO COMPUTER, TAC & INSTRUMENTATION RADAR, AUTOMATED DATA ACQUISITION SYSTEMS, CINETHEODOLITES, PHOTO LAB & FILM READING EQUIP. SITE MONITOR FOR ELECTRONIC TEST OF EQUIP & DONA ANA & NORTH MCGREGOR RANGES FOR FIRING FWD AREA WPNS AT TARGET DEVICES & DRONES.

INSTALLATION AIR MOBILITY R&D LABORATORY MOUNTAIN VIEW, CAL.

ACT DIRECTOR COL NORMAN L ROBINSON

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	43.746	47.473
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	43.746	47.473
TOTAL INHOUSE	13.583	14.210
TOTAL INHOUSE RDT&E	13.583	14.210
ANNUAL OPERATING COST	0.562	0.505

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	29	1	21	8
CIVILIAN	616	27	321	295
TOTAL	645	28	342	303

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
108	85.014	43.368	15.584	143.906	1.474	5.470

...MISSION
MANAGES AND EXECUTES R&D OF ARMY AIRMOBILE SYSTEMS,THROUGH DEMONSTRATION OF TECHNOLOGY. PROVIDES TECHNICAL SUPPORT TO PROJECT/PRODUCT MANAGERS & SYSTEM DEVELOPERS AS REQUIRED. PROVIDES INDEPENDENT TECHNICAL RISK ASSESSMENT TO CG USAAVSCOM AND HIGHER AUTHORITY.

...CURRENT IMPORTANT PROGRAMS
RESEARCH IN FUNDAMENTAL ROTOR AERODYNAMICS,DYNAMICS & NOISE.
RESEARCH & DEVELOPMENT OF SMALL GAS TURBINES.
R&D TO IMPROVE RELIABILITY & MAINTAINABILITY OF AIRMOBILE SYSTEMS.
RESCH. COMPOSITES & MEASURE OPNL. FLT.LOADS TO IMPROVE STRUCTURES FOR A/C
EVOLVE TECHNOLOGY & CRITERIA TO IMPROVE FLIGHT SAFETY & SURVIABILITY.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
THREE DIRECTORATES AT MOFFETT FIELD CA, CLEVELAND OH, HAMPTON VA& COLOCATED WITH NASA,PARTICIPATING IN RESEARCH OF AIRMOBILE SYSTEMS & DISCIPLINES,JOINTLY USING WIND TUNNELS,SIMULATORS & LABORATORY TEST FACILITIES, INCLUDING SHOPS,FLIGHT LINE & HANGER,STRUCTURE LAB,ENGINE TEST FACILITIES COMPUTATIONAL EQUIPMENT. FOURTH DIRECTORATE AT FORT EUSTIS VA.,PERFORMING ADVANCED APPLICATIONS WORK. MAJOR EQUIPMENT & FACILITIES: FILLAMENT WINDING MACHINES,TENSILE TESTERS,VIBRATION TESTER,SMALL BALLISTIC RANGE, CALIBRATION LAB,ENVIRONMENT CHAMBER,ATOMIC ABSORPTION SPECTR,TELEMETER GROUND STATION,NON-DESTRUCT TESTING FACILITY,FLIGHT SAFETY LAB.

INSTALLATION AIRBORNE COMMUNICATIONS & ELECTRONICS BOARD FT. BRAGG, N.C.

PRES. COL BRUCE E. WALLACE ENGIN. ADV. MR. CHAS. SHARINGEN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.100	1.056
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.140
TOTAL OTHER	2.383	1.978
TOTAL ANNUAL LAB	3.483	3.174
TOTAL INHOUSE	3.483	3.174
TOTAL INHOUSE RDT&E	1.100	1.056
ANNUAL OPERATING COST	0.539	0.507

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	207	0	37	170
CIVILIAN	62	0	6	56
TOTAL	269	0	43	226

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	0.000	0.051	0.114	0.165	0.000	3.090

...MISSION

...CURRENT IMPORTANT PROGRAMS
TEST OF SF RADIO TELETYPEWRITER SET AN/GRC-122
TEST OF PEWS
TEST OF VINSON
TEST OF BANCROFT
TEST OF REGENERATIVE REPEATER MX9331

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FACILITIES INCLUDE: HANGAR BLD, COMMUNICATIONS-ELECTRONICS FACILITY, CRY TOGRAPHIC TEST FACILITY AND WOODWORK SHOP. MAJOR EQUIPMENT INCLUDES: 5-TON WRECKER, 4000-POUND LOADER, 20-TON MOBILE CRANE, 1 U-8 AIRCRAFT, 1 UH-1 AIRCRAFT, VARIOUS TYPES OF STANDARD PARACHUTES, NINE GASOLINE DRIVE GENERATORS, 4 DIGITAL THEODOLITES, VARIOUS THERMOMETERS, STOPWATCHES, ELEVEN TACTICAL RADIO SETS, TWO RADIO RECEIVERS, SIX TELETYPEWRITER SETS 1 OSCILLOGRAPH, 24 ACCELEROMETERS, 11 SIGNAL GENERATORS, 8 MULTIMETERS, 1 FREQUENCY SYNTHESIZER, 1 RANDOM NOISE GENERATOR, 6 VOLT OHM METERS, 4 OSCILLOSCOPES, 9 ATTENUATORS, 5 AC VOLTMETERS, 1 GRAPHIC LEVEL RECORDER, 2 TRANSISTOR TESTERS, 1 MILLAMETER, 2 FREQUENCY COUNTERS, 3 SOUND LEVEL METERS, 1 SOUND LEVEL CALIBRATORS, 2 METER CALIBRATORS, 1 MEGOHMMETER, 1 Q METER, CLOSED CIRCUIT VIDEO EQUIPMENT, 1 VAM METER.

INSTALLATION ARCTIC TEST CENTER FT. GREELY, AK.

C.O. COL JOHN M. PICKARTS TECH. DIR. MR. WILLIAM J. HASLEM

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	3.176	3.366
TOTAL PROCUREMENT	0.011	0.012
TOTAL O&M	0.000	0.000
TOTAL OTHER	2.778	3.063
TOTAL ANNUAL LAB	5.965	6.441
TOTAL INHOUSE	5.965	6.441
TOTAL INHOUSE RDT&E	3.176	3.366
ANNUAL OPERATING COST	1.812	1.878

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	274	0	23	251
CIVILIAN	25	0	16	9
TOTAL	299	0	39	260

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
647155	5.100	120.079	129.152	254.331	12.241	5.074

...MISSION
MISSION-PLAN CONDUCT AND REPORT ON ARCTIC ENVIRON PHASES OF TESTS-PROVID ADV AND GUIDANCE TO MATERIEL DEVELOPERS ET AL RE ARCTIC TEST AND EVAL-PROVIDE TEST SUPPORT TO DOD AND GOVERNMENT AGENCIES IAW CDR TECOM DIREC

...CURRENT IMPORTANT PROGRAMS
GROUND LASER LOCATOR DESIGNATER TRMS NO 2-ES-075-GLD-002
LT WT CO MORTAR SYSTEM TRMS NO 8-WE-500-LCM-007
VIEWER DRIVERS NIGHT SIGHT TRMS NO 1-EE-VVS-002-004
XM198 HOWITZER TRMS NO 2-WE-200-198-021
NIGHT VISION GOGGLES TRMS NO 8-ES-315-000-004

...FUNCTIONS/EQUIPMENT/CAPABILITIES
ATC FAC CAN ACCOMODATE A WIDE VAR AND LARGE NO OF TEST ITEMS AT ANY ONE TIME SEVERAL VEH TEST COURSES PLUS EXTENSIVE CROSS COUNTRY TERRAIN RANGES ARE VERSATILE W 500K ACRE ISOLATED IMPACT AREA 50KM MAX UNOBSERV RANGE LARGE RESTRICTED AIRSPACE AREA W UNRESTRICTED FIRING TO 5K FT ORDINATE COORD W LOCAL FAA CAN EFFECT UNRESTRICTED ORDINATE 1ST 2ND OR 3RD ORDER SURVEY POINTS GOOD SECONDARY ROADS TEL AND NON-TAC RADIO AT ALL RANGES AND TEST SITES AUTODIN FACSIMILE TELETYPE PHOTO LAB MAINT FOR MAJORITY OF EQUIP TO INCL ACFT DS/GS CALIBRATION SERVICES LIMITED ENGINEER SUPPORT UH1A ACFT ORGANIC AF SPT CAN BE ARRANGED MET SPT AVAIL INSTRUMENTS FOR MOST ITEMS ON HAND CAN OBTAIN OTHER INSTRUMENTS MOVING TARGET SYSTEM REMOTE SARTS TARGET SYSTEM EOD STATISTICAL AND MAINT EVAL AVAIL ADEQUATE COMPUTER FAC BY LINK W WSMR

INSTALLATION ARMOR AND ENGINEER BOARD FT. KNOX, KENTUCKY

PRES. COL EDWARD P. DAVIS TECH. DIR. MR. JAMES L. KELTON

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	2.215	2.212
TOTAL PROCUREMENT	0.074	0.044
TOTAL O&M	0.117	0.329
TOTAL OTHER	4.373	5.607
TOTAL ANNUAL LAB	6.779	8.192
TOTAL INHOUSE	6.779	8.192
TOTAL INHOUSE RDT&E	2.215	2.212
ANNUAL OPERATING COST	0.575	0.444

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	181	0	87	94
CIVILIAN	85	0	29	56
TOTAL	266	0	116	150

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
6900	6.200	50.068	166.374	222.642	1.419	1.778

...MISSION
PLAN, CONDUCT & REPORT ON OT TEST I, II & III & OTHER DEVELOPMENTAL TYPE TESTS OF ARMOR & ENGR EQUIP& AUTOMATIVE SYS & MATERIEL& ATOMIC DEMO MUNITIONS & GENERAL EQUIP& FUEL HANDLING & STORAGE EQUIP. PROVIDE ADVICE & GUIDANCE TO DEVELOPER, & OTHERS. CONDUCT OTHER TESTS AS DIR. BY TRADOC

...CURRENT IMPORTANT PROGRAMS
SPECIAL STUDY, SWEDISH TANK AGILITY/SURVIVABILITY (STAGS) TEST
FEASIBILITY TEST OF MODIFIED TANK GOGGLES
OPERATIONAL TEST I, TANK THERMAL SIGHTS
P1 TEST, M60A1 RISE TKS-NIGHT VISION DEVICES & SELECTED COMPONENTS
1ST ARTICLE,SS, ROLLER, PNUMATIC VARIABLE PRESSURE. SELF PROPELLED

...FUNCTIONS/EQUIPMENT/CAPABILITIES
USAARENBD MAJOR EQUIP: SIMFIRE INSTRUMENTATION SYSTEMS, OVERHEAD CRANE-40 TONS& STILL & MOTION PICTURE PHOTO EQUIP& STATIONARY ELEVATED CAMERA PLATFORM FOR HEIGHTS UP TO 40 FT ABOVE ADJACENT GRADE&VIDEO TAPE RECORDER& GENERATOR LOAD BANKS& MOBILE DYNAMOMETER, WHICH MEASURES DRAW BAR PULL FROM 0 TO 100 TONS& TACTICAL WHLD VEHICLES& COMBAT VEHICLES& ENGR CONSTR EQUIP& MACHINE SHOP EQUIP & SHOP MAINTENANCE SETS.
USAARENBD FACILITIES: 6900 ACRES AVAILABLE FOR TESTING& MCFARLAND-OLIVER RANGE(160 ACRES) WITH FIRING CAPABILITY OF UP TO 2000 METERS&ADDIT905 3 RANGE, WITH FIRING CAPABILITIES UP TO 10,000 METERS, ON SPACE AVAILABLE BASIS& STILL WATER TEST AREA& 72,988 SQ FT BARRACKS SPACE& 71,768 SQ FT OFFICE SPACE& 69,888 SQ FT OF SHOP AREA& 45,106 SQ FT OF STORAGE SPACE AND 85,750 SQ FT OF MOTOR PARK SPACE.

INSTALLATION ARMY MATERIAL SYSTEMS ANALYSIS AGENCY ABERDEEN PROV GR,MD

DIR. DR. JOSEPH SPERRAZZA C.O. AND DEP. DIR. COL R.D. POWELL

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	16.378	15.760
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	2.414	1.999
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	18.792	17.759
TOTAL INHOUSE	11.604	12.040
TOTAL INHOUSE RDT&E	10.134	10.560
ANNUAL OPERATING COST	1.226	1.506

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	34	0	20	14
CIVILIAN	413	13	277	136
TOTAL	447	13	297	150

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
5	13.933	91.694	1.745	107.422	2.308	0.725

...MISSION
TO PROVIDE THE CENTRAL INDEPENDENT TECHNICAL CAPABILITY IN AMC FOR THE CONDUCT OF MAJOR SYSTEMS ANALYSES AND COST EFFECTIVENESS STUDIES TO DESIGN DEVELOPMENT TESTS I II III AND CONDUCT INDEPENDENT EVALUATION OF ALL MAJOR MATERIEL SYSTEMS LEAD ACTIVITY FOR SURVIVABILITY ADMIN JTCG/ME

...CURRENT IMPORTANT PROGRAMS
AAM
SAM-D
OTTAS
XM-1
MICVS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONDUCT AMC WPN SYS ANALYSIS AND EVAL OF MATERIAL CONCEPTS AND PROPOSALS DEVELOPS, IMPROVES, AND DISSEMINATES METHODOLOGY AND TECHNIQUES FOR-CONDUCT OF SYS ANALYSIS, ANAL OF PERFORMANCE, SCHEDULE AND COST RISKS, DESIGN, CONDUCT AND EVAL OF TESTS. EVAL LIFE CYCLE REQ OF MATERIAL SYS. CONDUCTS TACTICAL, OPERATIONAL ANALYSIS OF WPN AND MATERIAL SYSTEMS. RELIABILITY, AVAILABILITY AND MAINTAINABILITY CENTER FOR ARMY SYS. TECH DIR OF AMC SURVEILLANCE PROGRAM FOR STOCKS OF ARMY MISSLES, NUCLEAR, AND NONNUCLEAR AMMUNITION. PROVIDE TECH COORD, DATA, AND ANALYSIS FOR DETERMINATION OF JOINT SERVICES MUNITIONS EFFECTIVENESS MODELS AND MANUALS.

INSTALLATION ATMOSPHERIC SCIENCES LABORATORY WHITE SANDS MR, N.M.

C.O. AND DIR. COL WILLIAM C. PETTY DEPUTY DIR. MR. HENRY RACHELE

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	13.262	13.169
TOTAL PROCUREMENT	0.046	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.104	0.023
TOTAL ANNUAL LAB	13.412	13.192
TOTAL INHOUSE	9.788	9.687
TOTAL INHOUSE RDT&E	9.638	9.659
ANNUAL OPERATING COST	4.578	4.355

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	439	0	3	436
CIVILIAN	235	13	101	134
TOTAL	674	13	104	570

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
45	5.100	3.100	3.600	11.800	48.000	22.000

.. MISSION
RESEARCH IN ATMOSPHERIC SCIENCES, DEVELOPMENT OF METEOROLOGICAL TECHNIQUES AND EQUIPMENT FOR FIELD ARMY. FURNISH METEOROLOGICAL SERVICES TO ARMY RDTE ACTIVITIES. PROVIDE ADMIN AND LOGISTICAL SUPPORT TO OTHER ECOM ELEMENTS AT WHITE SANDS MISSILE RANGE, NEW MEXICO

...CURRENT IMPORTANT PROGRAMS
METEOROLOGICAL EQUIPMENT
AUTOMATIC METEOROLOGICAL SYSTEM
PSMOTS
METEOROLOGICAL SATELLITES
METEOROLOGICAL SUPPORT TO RDTE ACTIVITIES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
METEOROLOGICAL RESEARCH FACILITY AND CAPABILITY
WIND TUNNEL FACILITY, LOW SPEED
ATMOSPHERIC PHYSICS RESEARCH FACILITY AND CAPABILITY
UPPER ATMOSPHERE RESEARCH AND SOUNDING ROCKET FACILITY AND CAPABILITY
ION MASS SPECTROMETER SYSTEM
METEOROLOGICAL SOUNDING ROCKET FACILITIES-N.M.,UTAH,ALASKA, CANAL ZONE
REMOTE ATMOSPHERIC SENSING FIELD RESEARCH FACILITY
ATMOSPHERIC SPECTROSCOPY-LASER PROPAGATION FACILITY
METEOROLOGICAL RDTE SUPPORT FACILITIES - ALASKA TO CANAL ZONE
METEOROLOGICAL INSTRUMENTATION TEST, MAINTENANCE, CALIBRATION FACILITY
FACILITY FOR SONIC OBSERVATION OF TRAJECTORY AND IMPACT OF MISSILES
COLOR DENSITOMETER FOR ANALYSIS OF METEOROLOGICAL SATELLITE DATA

INSTALLATION AVIATION SYSTEMS TEST ACTIVITY EDWARDS AFB, CAL.

C.O. COL DENNIS M. BOYLE TECH. DIR. CDR JAMES S. HAYDEN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	2.985	3.012
TOTAL PROCUREMENT	0.216	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.644	0.902
TOTAL ANNUAL LAB	3.845	3.914
TOTAL INHOUSE	3.845	3.914
TOTAL INHOUSE RDT&E	2.985	3.012
ANNUAL OPERATING COST	1.006	1.082

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	63	0	31	32
CIVILIAN	104	0	28	76
TOTAL	167	0	59	108

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
19	4.280	32.830	98.490	135.600	3.614	6.629

...MISSION
AIRWORTHINESS FLT TESTS OF ACFT DEV AND/OR PROC AS INTGR SYS
EVAL OF VEH PPSD OR CONS FOR ARMY APPL
PRODUCE DATA ON BASIC VEH PERF MAINTAINABILITY AND RELIABILITY
CONDUCT ARMY TEST PILOT ORIENTATION CRS

...CURRENT IMPORTANT PROGRAMS
UTTAS APE DT II YUH-61 YUH-60
L-12 EVAL
HISS MODIFIED BOOM CH-47
214A CLIMATIC LAB
AH-1G FLOW FIELD STUDY

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MAINT AND REP ACFT AMDT AND EGRESS SYS
MODIFICATION OF ACFT AMDT SYS
MAINT SUPPORT FOR AVIONICS TEST SYS
ORG MAINT OF COMM AND NAVIGATIONAL EQUIP
FABRICATION OF NON STD ITEM IN SPT OF TEST PROJ
2W- C 1T-28B 1F51-D 1U-21A 1CH-47C 3UH-1H 1JUH-1H 1NUH-1H 1UH-1H SPT
1EMR COMPUTER WITH TELEMETRY
8AIRBORNE AQUISITION SYS
3REMOTE GROUND STATIONS WITH COMPUTER AND TELEMETRY CAPABILY
12MILLIKIN CAMERAS 1FAIRCHILD FLT ANALIZER
1MAGNETIC TAPE SELECTRIC COMPOSER SYS
2HEADLINER MODEL 820 AND MODEL 860

INSTALLATION AVIATION TEST BOARD FT. RUCKER, AL.

PRES. COL ROBERT S. KELLAR TECH. ADV. DR. JAMES S. KISHI

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	6.406	7.220
TOTAL PROCUREMENT	0.006	0.007
TOTAL O&M	0.827	1.602
TOTAL OTHER	2.343	2.434
TOTAL ANNUAL LAB	9.582	11.263
TOTAL INHOUSE	6.812	8.363
TOTAL INHOUSE RDT&E	3.636	4.320
ANNUAL OPERATING COST	3.020	3.002

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	201	0	43	158
CIVILIAN	131	1	13	118
TOTAL	332	1	56	276

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1169	2.440	50.584	177.364	230.388	2.623	14.332

...MISSION
PLAN,CONDUCT,REPORT ON DT1,DTII,DTIII,SVC PHASE & OTHER DEV TYPE TESTS OF AC,AC COMP,SUB-SYS & ANCILLARY EQUIP.PARTICIPATE IN DTII ENG PHASE & DTIII TESTS AS DIR.ADVISE PROPONENT AGENCIES DURING THE DEVELOPMENT OF AC SYSTEMS

...CURRENT IMPORTANT PROGRAMS
UTTAS
214 HELICOPTER
T55 L11 ENGINE PROGRAM
AIDAPS PROJECT
ICAS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
HAVE REQUIRED FACILITIES & CAPABILITIES TO PERFORM STATED MSN TO REVW & COMMENT ON ORDO'S M&L NEEDS,ROC'S,MAINT PACKAGES & TO ASSIST IN REVIEWING MIL SPECS.ABILITY TO EVALUATE & RECOMMEND ON SAFETY & SUITABILITY OF MTLS FOR ARMY USE.TO SUPPORT FIELD RESEARCH,STUDIES,TESTS & OPERATIONS OF CONTROL PROGRAMS IN METHODOLOGY TO ASSURE PROPER TESTING & REPORTING IN CURRENT & FUTURE YRS.ABLE TO ASSIST IN PREPARING TRAINING LITERATURE & SLECTION OF TRAINING AIDS.TO RECOMMEND TO CG TECOM THRU ESTABLISHED PROCEDURES,R&D PROJECTS DESIGNATED TO IMPROVE TECOM TEST & EVALUATION

INSTALLATION AVIONICS LABORATORY EATONTOWN, N.J.

C.O. LTC LEE HAND

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	11.132	10.813
TOTAL PROCUREMENT	3.540	3.642
TOTAL O&M	0.740	0.507
TOTAL OTHER	0.390	0.000
TOTAL ANNUAL LAB	15.802	14.962
TOTAL INHOUSE	12.693	10.367
TOTAL INHOUSE RDT&E	8.778	6.767
ANNUAL OPERATING COST	3.572	2.902

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	12	0	7	5
CIVILIAN	197	5	140	57
TOTAL	209	5	147	62

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	25.742	30.108	0.000	55.850	0.000	10.967

...MISSION
APPLIED RES DEV AND ENGRG IN ARMY AVIATION ELECTRONICS INCLUDING NAVIGATION LANDING COMMUNICATIONS ENVIRONMENT SENSING CONTROL THEORY AIRCRAFT ANTENNAS INSTRUMENTATION GROUND AND AIRBORNE SYSTEMS INSTALLATION AND TEST SYSTEMS ENGINEERING

...CURRENT IMPORTANT PROGRAMS
LOW LEVEL NIGHT OPERATIONS FOR ARMY AIRCRAFT
NATIONAL MICROWAVE LANDING SYSTEM
ABSOLUTE ALTIMETER
NAP OF THE EARTH COMMUNICATIONS SYSTEM
DIGITAL MODULAR AVIONICS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TACTICAL AVIONICS SYSTEMS SIMULATOR
AIRCRAFT ANTENNA TEST FACILITY
FIXED BASE COCKPIT SIMULATOR UH-1
INSTRUMENTED C-47 AIRCRAFT FOR TESTING NAVIGATION SYSTEMS
GYRO TEST FACILITY
MOVING EARTH SIMULATOR FOR DOPPLER NAVIGATION TESTING
ELECTROMAGNETIC RADIATION TEST FACILITY
ELEVATED ROTABLE HELIPORT
ATMS DESIGN TEST CENTER
ENVIRONMENTAL VEHICAL FOR FOR AVIONICS RESEARCH

INSTALLATION BALLISTICS RESEARCH LABORATORIES ABERDEEN PROV GR, MD.

DIR. ROBERT J. EICHELBERGER DEP. DIR. LTC S.M. LINDSAY

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	34.311	34.820
TOTAL PROCUREMENT	2.057	1.500
TOTAL O&M	0.440	0.120
TOTAL OTHER	0.577	0.552
TOTAL ANNUAL LAB	37.385	36.992
TOTAL INHOUSE	26.976	27.480
TOTAL INHOUSE RDT&E	24.147	25.308
ANNUAL OPERATING COST	9.582	10.515

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PRDS	TOTAL PROF	NON-PROF
MILITARY	66	4	36	30
CIVILIAN	837	106	419	418
TOTAL	903	110	455	448

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
3380	601.076	6.000	3.000	610.076	6234.072	34.072

...MISSION
CONDUCT RES AND EXPL DEVL IN SCIENCES/TECHNOLOGIES NECESSARY FOR
CONCEIVING DESIGNING DEVELOPING AND EVALUATING WEAPONS SYSTEMS
PURSUE ORIENTED FUND RESEARCH IN PHYSICS CHEM MATH ENGR
INVESTIGATE PERTINENT BRANCHES OF MILITARY SCIENCE AND TECHNOLOGIES

...CURRENT IMPORTANT PROGRAMS
PROPULSION DYNAMICS OF GUN WEAPON SYSTEMS
CONVENTIONAL NUCLEAR/WARHEAD EFFECTS AND BALLISTICS PROTECTION
WARHEAD DYNAMICS PENETRATION,FRAGMENTATION:EXPLOSIVE METAL INTERACTIONS
REFINED FLIGHT DYNAMICS OF PROJECTILES AND MISSILES
VULNERABILITY/VULNERABILITY REDUCTION MATERIEL GROUND AND AIRBORNE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
SUPERSONIC AND HYPERSONIC WIND TUNNELS/TRANSONIC RANGE
EXPLOSIVE BLAST CHAMBERS AND HIGH ALTITUDE BLAST SPHERE
SHOCK TUBES-SIMULATION OF NUCLEAR BLAST/CHEMICAL REACTION RATE
PULSE RADIATION FACILITY
FIELD TEST FACILITIES FOR EXPLOSIVES AND ARMOR RESEARCH
HIGH SPEED MOTION PHOTOGRAPHY SCHLIERSN INTERFEROMETRY
ELECTRON MISCROSCOPE-ELECTRON SPIN RESONANCE-NUCLEAR MAGNETIC RESEARCH
ELECTROMAGNETIC RADIATION RANGES
ANALOG COMPUTER FOR SIMULATION OF DYNAMICS OF GUN AND RIFLE
PROPULSION AND COMBUSTION CHAMBERS
FLASH HOLOGRAPHIC SYSTEMS
SPACE GLOW REACTION CHAMBER-UPPER ATMOSPHERE CHEM REACTION RATE

INSTALLATION BENET WEAPONS LABORATORY WATERVLIET, N.Y.

C.O. COL MALCOLM V. MEEKISON TECH. DIR. DR. ROBERT E. WEIGLE

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	14.849	9.828
TOTAL PROCUREMENT	4.548	5.724
TOTAL O&M	1.100	1.192
TOTAL OTHER	0.125	0.199
TOTAL ANNUAL LAB	20.622	16.943
TOTAL INHOUSE	15.607	13.728
TOTAL INHOUSE RDT&E	9.834	6.613
ANNUAL OPERATING COST	4.181	4.358

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	7	2	7	0
CIVILIAN	385	41	177	208
TOTAL	392	43	184	208

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
4	168.263	24.600	7.489	200.352	4.028	6.560

...MISSION
DESIGN & DEV OF ARTY,TANK,AIR DEFENSE & SECONDARY CANNON ABOVE 20MM
SYS MGMT,DESIGN & DEV OF MORTARS & RECOILLESS RIFLE SYSTEMS
ARMCOM LEAD LAB FOR BARREL&CANNON SUPT&SUPT PHYS & ENGRNG SCIENCES TECH
BASIC & APPL. RESEARCH & MFG TECH TO SUPT THE DEVELOPMENT MISSION

...CURRENT IMPORTANT PROGRAMS
SYS MGMT LT WT CO MORTAR SYS,DEV OF 60MM MORTAR XM224 FOR LWCMS
DESIGN & DEV OF 105MM HOW XM205 FOR 105MM TOWED HOW S.R. XM204
DESIGN & DEV OF CANNON 155MM HOW XM199 FOR 155MM HOW XM198 ON TUBES
HI PRESS & CYROGENIC EQUIP-OVER 300KB AT 10K & 400KB AT AMBIENT TEMP-
HIGHEST IN US-RESULT OF ULTRA HI PRESS TECH FOR SYNTHESIS OF NEW MATLS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
UNIQUE FACILITIES & CAPABILITIES INCLUDE HI PRESSURE METALLURGY WITH 2-
80K HYDROSTATIC,1-150K HYDROSTATIC,1-200K STATIC,1-DUAL PRES(100K & 60K)
HYDRAULIC FATIGUE SYSTEM & 20-30K BAR FLUID EXTRUSION PRESS--FULL SCALE
WEAPON COMPONENTS DYNAMIC TESTER BY PRESSURE/PULSE SIMULATED FIRING LOAD
DIM.STRESS ANALYSIS PHOTOELASTICITY SYS-ENCLOSED PROOF RANGE-40MM MAX-
ELECTRON MICROSCOPE-2.3 A RESOLUTION--SEM MICROSCOPE WITH 100 A RES.
CRYOGENIC(4 K)600K BAR HI PRESS SYS--1200 LB-1500 G HI-PERF SHOCK TEST
HI-TEMP VAC FCE-3000 C MAX,TIME OF FLIGHT MASS SPEC,2000 GAUSS MAGNET--
ELECTROPLATE,ANODIZE&TITANIUM HARD COAT PROCESS,ELECTRON MICROPROBE ANAL
IBM 360-44 COMPUTER W/ GRAPHIC & INTEGRAPHIC TERMINAL SYS.AUTOMATED XRAY
ACQUISITION-ANAL-SYS.FILAMENT WOUND METAL MATRIX PLASMA SPRAY ASSY.
ELECRONICALLY CONTROLLED PROGRAMMABLE ORGANIC COMPOSITE FILAMENT WINDER

INSTALLATION COLD REGIONS R&E LABORATORIES HANOVER, N.H.

C.O. AND DIR. COL ROBERT L. CROSBY TECH. DIR. DR. D.R. FREITAG

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	5.663	6.116
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.300	0.212
TOTAL OTHER	2.676	2.622
TOTAL ANNUAL LAB	8.639	8.950
TOTAL INHOUSE	6.376	6.286
TOTAL INHOUSE RDT&E	4.434	4.448
ANNUAL OPERATING COST	1.688	1.827

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	13	1	8	5
CIVILIAN	240	28	118	122
TOTAL	253	29	126	127

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
24	17.230	6.168	97.646	121.044	4.142	5.536

...MISSION
AS THE ARMY LABORATORY FOR SCIENCE AND TECHNOLOGY IN COLD REGIONS, USACRREL CONDUCTS AND COORDINATES RESEARCH APPLICABLE TO THE ARMYS NEEDS IN THOSE GEOGRAPHIC AREAS OF THE WORLD WHERE COLD REPRESENTS A SEVERE PROBLEM AT LEAST ONE YEAR IN TEN.

...CURRENT IMPORTANT PROGRAMS
DESIGN, CONSTRUCTION, AND OPERATIONS TECHNOLOGY FOR COLD REGIONS
RESEARCH IN SNOW, ICE, AND FROZEN GROUND
MOBILITY AND ENVIRONMENTAL RESEARCH
LAND TREATMENT OF WASTEWATER
ICE ENGINEERING

...FUNCTIONS/EQUIPMENT/CAPABILITIES
THE MAIN LABORATORY AT USACRREL CONTAINS 24 COLD LABS (WHICH CAN BE OPERATED TO -50 F), SPECIAL TESTING APPARATUS FOR FROZEN MATERIALS, A CHEMISTRY LAB, AN ELECTRON MICROSCOPE LAB, A SOILS PROCESSING LAB, A PAVEMENT TEST FACILITY FOR TESTING UNDER FREEZING & THAWING CONDITIONS, A WASTEWATER TREATMENT RESEARCH FACILITY, A COMPUTER FACILITY, A MASS SPECTROMETER, A GAS CHROMATOGRAPH, AND A SMALL LASER FACILITY. AN ALASKA PROJECTS OFFICE AT FAIRBANKS CONDUCTS RESEARCH AND PROVIDES LOGISTIC SUPPORT FOR OTHER RESEARCH. USACRREL'S MILITARY AND CIVILIAN PERSONNEL HAVE EXPERTISE COVERING A WIDE RANGE OF SCIENTIFIC AND ENGINEERING DISCIPLINES RELATED TO COLD REGIONS RESEARCH.

INSTALLATION COMBAT SURVEILLANCE & TGT ACQUISITION LABS FT. MONMOUTH, N.J.

ACT. DIR. MR. HERBERT GOLDWAG

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	26.408	31.660
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	26.408	31.660
TOTAL INHOUSE	14.931	15.734
TOTAL INHOUSE RDT&E	14.931	15.734
ANNUAL OPERATING COST	4.400	4.500

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	15	0	9	6
CIVILIAN	257	11	169	88
TOTAL	272	11	178	94

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	101.823	4.160	9.515	115.498	0.000	4.500

...MISSION
DO R&D OF EQUIPMENT FOR COMBAT SURVEILLANCE, TARGET ACQUISITION, IFF & RADIOLOGICAL SURVEY, APPLYING TECHNOLOGY IN. RADAR, ELECTRO-OPTICS, PARTICULARLY LASERS, PHOTOGRAPHY, REMOTE SENSING, ACOUSTICS, RADIATION DETECTION AND MEASUREMENT, & IFF. ACT AS AMC LEAD LAB ON LOW ENERGY LASERS

...CURRENT IMPORTANT PROGRAMS
ADV DEV CONCEPT FEASIBILITY OF STAND OFF TARGET ACQUISITION SYS (SOTAS)
ENGR DEV OF ARMY INFLIGHT DATA TRANSMISSION SYSTEM (AIDATS)
ENGR DEV OF LASER DESIGNATOR TRACKER SYSTEM (LDTS)
ENGR DEV OF LIGHT WEIGHT SURVEILLANCE RADAR AN/PPS-15
ENGR DEV OF HANDHELD LASER RANGEFINDER AN/GVS-5

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PHOTO PROCESSING, OPTICAL TEST, LENS RESOLUTON TEST PATTERN FACILITIES (FAC), INCL. DARK ROOMS, CHEM LABS, RADAR TECHNIQUES DEV FAC, INCL. MICROWAVE DARK ROOM, ANTENNA PATTERN & TEST RANGE, 65 FOOT RADAR TEST PLATFORM. OUTDOOR AND INDOOR RANGES INSTRUMENTED FROM 30 MHZ TO 70 GHZ. MOBILE SPECTRAL AND TIME DISTRIBUTION MEASUREMENT FAC GOOD FROM 2900A. TO INTERMEDIATE. OPTICS FACILITY FOR MEASURING DETECTIVITY OF ELEMENTS, OUTPUT OF SOURCES, TRANSMISSION CHARACTERISTICS. SPECIAL LASER TEST & MEASUREMENT FAC& INCLUDING A 3.4 KM LONG AND 18 METER WIDE RANGE EQUIPPED WITH TWO HIGH RESOLUTION TARGETS TO EVALUATE LASER RANGEFINDING, DESIGNATING AND TRACKING SYSTEMS. RADAR INSTRUMENTATION FAC CABABLE OF TRACKING X-BAND RADAR AND COLLECTING AND RECORDING POSITION, VELOCITY & SIGNAL STRENGTH, ALSO HAS SHORT RANGE SEARCH CAPABILITY.

INSTALLATION COMMUNICATIONS ADP LABORATORY FT. MONMOUTH, N.J.

C.O. AND DIR. COL D.R. LASHER DEP. DIR. MR. R. RIEHS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	17.520	20.481
TOTAL PROCUREMENT	1.487	1.403
TOTAL O&M	1.037	0.770
TOTAL OTHER	0.477	1.106
TOTAL ANNUAL LAB	20.521	23.760
TOTAL INHOUSE	15.665	17.467
TOTAL INHOUSE RDT&E	12.759	14.188
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	11	1	10	1
CIVILIAN	361	18	252	109
TOTAL	372	19	262	110

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	41.000	48.000	1.000	90.000	0.000	10.628

...MISSION

TO PERFORM R&D ACTIVITIES RELATED COMUNICATIONS AND ADP EQUIPMENTS AND SYSTEMS WHICH INCLUDE THE FIELDS OF RADIO TELEPHONIC TELEGRAPHIC AND FACSIMILE COMMUNICATIONS ADP TECHNIQUES AND DATA STORAGE COMMUNICATION SECURITY ELECTROMAGNETIC COMPATIBILITY AND COMMUNICATING PROCESSES

...CURRENT IMPORTANT PROGRAMS

SINGLE CHANNEL GROUND AND AIRBORNE RADIO SYSTEM (SINCGARS)
RADIO SET AN/PRC 70
ATACS TSQ-85 TSQ-84A TD-1065 TD-1069 MX-9331 SB-3614 TD-206
MSCS AN/TTC-39 DIGITAL GROUP MULTIPLEXER TENLEY UNIT-LEVEL-SWITCHBOARD
ARTADS TACFIRE TOS

...FUNCTIONS/EQUIPMENT/CAPABILITIES

LAB SPACES TEST INSTRUMENTS AND SPECIALIZED ELECTRONIC MECHANICAL AND OPTICAL EQUIPMENT TO PERFORM DESIGN FABRICATION AND TESTING OF ELECTRONIC CIRCUITS COMPONENTS EQUIPMENTS IN DISPLAY PRINTING SPEECH NARROW & WIDE BAND RADIOS FROM LOW TO LASER FREQUENCY RANGE CONVENTIAL AND ADVANCED MULTIPLEXING SWITCHING ERROR DETECTION AND CODING ANTENNA AND PROPAGATION TECHNOLOGIES SMALL SCALE COMPUTERS TO TEST AND EVALUATE ADVANCED COMPUTER CONCEPTS AND SUBSYSTEM SOFTWARE AND HARDWARE FIXED AND MOBILE TACTICAL RADIO MODEM MULTIPLEXING SWITCHING EQUIPMENTS TO SIMULATE FIELD CONFIGURATIONS FOR TEST DATA COLLECTION AND EVALUATION OF EXISTING EQUIPMENT PROPAGATION INTERFACE PROBLEMS ANTENNA TEST FACILITY AND SHIELDED ROOMS FOR MEASURING OF AND ESTABLISHING DOD STANDARDS FOR ELECTROMAGNETIC COMPATIBILITY RADIATION AND PROPAGATION

INSTALLATION CONSTRUCTION ENGINEERING RESEARCH LABORATORY URBANA, IL.

DIR. COL M.D. REMUS DEP. DIR. MR. R.L. SHAFFER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	8.357	8.256
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.390	0.354
TOTAL OTHER	0.143	0.359
TOTAL ANNUAL LAB	8.890	8.969
TOTAL INHOUSE	7.251	7.375
TOTAL INHOUSE RDT&E	6.778	6.713
ANNUAL OPERATING COST	1.279	1.331

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	3	0	3	0
CIVILIAN	209	25	101	108
TOTAL	212	25	104	108

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
30	76.081	34.159	0.000	110.240	3.851	2.579

...MISSION
PLAN, EXECUTE AND EVALUATE RESEARCH TO OBTAIN THE BEST COMBINATION OF ENGINEERING,DESIGN, CONSTRUCTION, OPERATION AND MAINTENANCE TO PROVIDE FACILITIES FOR THE MILITARY ESTABLISHMENT AND OTHER AGENCIES AT LEAST COST AND DISSEMINATE THE RESEARCH RESULTS.

...CURRENT IMPORTANT PROGRAMS
MATERIALS RESEARCH AND DEVELOPMENT FOR MILITARY CONSTRUCTION
ENVIRON QUALITY FOR CONSTRUCTION & OPERATION OF MILITARY FACILITIES
DEVELOP OF INDUSTRIALIZED CONSTRUCTION FOR MILITARY FACICITIES
DEVELOP OF AUTOMATED PROCEDURES FOR MILITARY CONSTRUCTION TECHNIQUES
ARCHITECTURAL RESEARCH AND DEVELOPMENT FOR MILITARY FACILITIES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONTROLLED ENVIRONMENT CHAMBER, 1-MILLION POUND CLOSED LOOP MATERIALS TEST SYSTEM, SCANNING ELECTRON MICROSCOPE, 10MW RESISTANCE LOAD BANK AND INSTRUMENTATION, X-RAY EQUIPMENT, SEMI-AUTOMATIC WELDING EQUIPMENT, BIAXIAL SHOCK TEST MACHINE, NON-DESTRUCTIVE TESTING FACILITY, VACUUM INDUCTION FURNACES, METALLOGRAPHIC SAMPLE PREPARATION AND RESEARCH METALLOGRAPH X-RAY DIFFRACTION AND VACUUM SPECTROSCOPY SYSTEM, DYNAMIC TENSION ANALYSIS SYSTEM,DIGITAL RECORDING AND ANALYSIS EQUIPMENT FACILITIES CAPABILITIES INCLUDE SYSTEMS BUILDING METHODS AND TECHNIQUES, COMPUTER BASED DESIGN AND CONSTRUCTION MANAGEMENT TECHNIQUES, HARDENED FACILITIES ANALYSIS, ENVIRONMENTAL QUALITY MANAGEMENT, POLLUTION CONTROL AND ABATEMENT, MILITARY HOUSING SYSTEMS, POWER GENERATION SYSTEMS, UTILITIES SYSTEMS ANALYSIS AND EVALUATION, AND ARCHITECTURAL RESEARCH.

INSTALLATION DESERET TEST CENTER (LABS) DUGWAY, UTAH

C.O. COL ADALBERT E. TOEPEL,JR. SCIENTIFIC DIR. MR. M.A. ROTHENBERG

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	11.648	13.321
TOTAL PROCUREMENT	0.535	0.434
TOTAL OEM	1.544	2.920
TOTAL OTHER	4.756	5.117
TOTAL ANNUAL LAB	18.483	21.792
TOTAL INHOUSE	16.037	19.155
TOTAL INHOUSE RDT&E	9.914	11.563
ANNUAL OPERATING COST	0.802	0.899

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	193	1	15	178
CIVILIAN	601	18	170	431
TOTAL	794	19	185	609

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
840909	103.898	174.303	1674.406	1952.607	50.095	16.074

...MISSION
DPG PLANS & CONDUCTS APPROVED TESTS TO ASSESS THE MILITARY VALUE OF CML WEAPONS & CML-BIO DEF SYS.TESTS SPT R&D & PROVIDE A BASIS FOR DEVELOPMENT OF NEW OPERATIONAL & LOGISTICAL CONCEPTS FOR EMPLOYMENT OF TESTED SYS.TESTS ARE RESPONSIVE TO USER REQUIREMENTS.

...CURRENT IMPORTANT PROGRAMS
CONDUCTS SERVICE DEV CML CML-BIO DEFENSE TEST PROGRAMS
CONDUCTS R & D & LAB INVESTIGATIONS NECESSARY TO SUPPORT MISSION
CONDUCTS JT OP CML & CML-BIO DEFENSE TESTS FOR CINCS AND SERVICES
CONDUCTS PROG TO SUP ARMY POLL ABATEMENT SUP SHIELD & DEMIL OPERATIONS
CONDUCTS ECOLOGICAL EPIDEMOLOGICAL & TOXICOLOGICAL SURVL OF DPG AREA

...FUNCTIONS/EQUIPMENT/CAPABILITIES
INST GRIDS FOR CML CML-BIO TESTS&ARTY RG FOR CONVL & CML METAL PARTS, BALLISTIC & DISEM TESTS&WITH FIELD SMPL,PREC MASS ANAL,MET(AUTO DATA ACQ & MESOMET NETWK)SYS.TSPI(RADAR SLAVE PHOTO)SYS&PHYS & ENVIRON TEST FAC(MIL SPEC 810A,B)CHAMBERS FOR TOTAL AGENT CONTAINMNT&EXPLO SHIELDING PROPAGATION & OVERPRESSURE MEASMNTS.OPNS SPTD BY NET RSCH ON TRANS DIFFUSION OF CLOUDS&CML,LIFE SCI TECHN,ECOL SURVL OF DPG&CAPBL FOR PLANNING ANAL,EVAL OF TESTS,OPNS RSCH&LABS EQUIPD FOR WIDE RNG OF CML MICROBIOL, TOXICOL,IMMUNOL,ECOL,EPIDEMIO,POLL CNTL STUDIES: PLOGS & PENS F/ANIMALS (LG,SM,DOMESTIC WILD)&CAPBL FOR PROD BIO SIMUL AG&TECHN & MASS ASSAY OF FLUORESCENT AIR TRACERS,DPG ALSO HAS INST CALBR & METAL SHOPS & EXTENSV COMM & RG SAFETY SYS.OUTSTANDING CHARACTERISTICS ARE LARGE RESTRICTED LAND AREA AND AIR SPACE

INSTALLATION EDGEWOOD ARSENAL LABORATORIES EDGEWOOD ARSENAL, MD.

C.O. COL KENNETH L. STAHL TECH. DIR. DR. BENJAMIN L. HARRIS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	37.004	53.529
TOTAL PROCUREMENT	2.191	1.653
TOTAL O&M	5.976	5.986
TOTAL OTHER	1.340	1.400
TOTAL ANNUAL LAB	46.511	62.568
TOTAL INHOUSE	41.104	47.333
TOTAL INHOUSE RDT&E	33.224	40.121
ANNUAL OPERATING COST	14.005	16.890

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	129	34	122	7
CIVILIAN	876	57	478	398
TOTAL	1005	91	600	405

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
2000	505.963	125.211	106.492	737.666	16.879	14.601

...MISSION
CLASS II ACTIVITY CONDUCTING A RESEARCH AND DEVELOPMENT MISSION FOR ARMY CHEMICAL MUNITIONS AND DEFENSIVE ITEMS. INCLUDES BASIC RESEARCH AND GENERAL INVESTIGATIONS AS WELL AS EXPLORATORY, ADVANCED AND ENGINEERING DEVELOPMENT OF MATERIAL.

...CURRENT IMPORTANT PROGRAMS
DEV SMOKE/AEROSOL MUN,FOR SCREENING : FORM OF SMOKE/AEROSOL TECH BASE
IMMUNO-PROPHYLAXIS AGAINST LETHAL CHEMICAL AGENTS
BIOLOGICAL AND CHEMICAL AGENT ALARM DEVELOPMENT
NEW PROTECTIVE MASK DEVELOPMENT
BINARY LETHAL CHEMICAL AGENT PROJECTILE DEVELOPMENT

...FUNCTIONS/EQUIPMENT/CAPABILITIES
SMOKE*MEDICAL PROPHYLAXIS : TRMT OF CML AGTS*BIO DEF TECH &DETECT&* CML ALARM TECH*CML THREAT ASSESS TECH*MED EFFECTS OF CML AGTS*LETHAL CML AGTS/WPNS*DISSEM-DISPERS TECH* CML TANG AGTS : EQUIP*CML DECON* INDIV : COLL CB PROT*CB PROT TECH*CML DETECT : IDENT TECH*RSCH IN SUP OF BIO DEF : CML MAT*GEN CML INVEST*BIO DEF TECH &DECONT*INCAP CML AGTS/WPNS*FLAME : INCEND WPNS*CIVIL DISTURBANCE : TACTICAL IRRITANTS*POLLUTION ABATEMENT AND ENVIRONMENTAL CONTROL TECHNOLOGY.
MAJOR EQUIP IS CONTAINED IN A COMPLEX OF ENGR* LAB AREAS* INCLUDES CML PILOT PLANTS-MUN FILLING-ENGR DESIGN* EXP FAB SHOPS* AERSOL DISSEM TEST CHAMBERS* PYROTECH MIXING-LOADING* HANDLING FAC* INDOOR BALLISTIC RANGE* SUBSONIC-SUPERSONIC* TRANSONIC WIND TUNNELS* A COMPLETE CLINICAL RESEARCH FACILITY* AN ANIMAL BREEDING/ HOLDING FACILITY.

INSTALLATION ELECTRONIC PROVING GROUND FT. HUACHUCA, AR.

C.O. COL EARL D. DOWNING TECH. DIR. DR. GEORGE E. SCHAFER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	10.005	10.909
TOTAL PROCUREMENT	1.039	1.154
TOTAL O&M	0.419	0.352
TOTAL OTHER	5.314	5.385
TOTAL ANNUAL LAB	16.777	17.800
TOTAL INHOUSE	13.751	14.670
TOTAL INHOUSE RDT&E	7.206	7.911
ANNUAL OPERATING COST	1.670	1.989

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	317	1	40	277
CIVILIAN	203	2	79	124
TOTAL	520	3	119	401

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
42800	0.000	210.249	0.000	210.249	2.418	39.258

...MISSION
OP USAELCT PG INCL EMETF, ECM VUL TEST FAC/SYS TEST FAC. PLAN/CDT/REPT ON EMC, ECM TEST ANAL, TEMPEST DEV TESTS/ANAL. DEV TEST/EVAL/ANAL METH AND SUBQ INST RQMT. DIR/CONT/IMPL LR PLANNING PROGS FOR TEST INST/TEST FAC AND R-D OF INST TO SPT TESTS/EVAL. SPT FLD RSCH OF AMC,DA,DOD AGCYS.

...CURRENT IMPORTANT PROGRAMS
TRI-TAC PROGRAM
ELECTROMAGNETIC COMPATIBILITY PROGRAM /EMC/
TEMPEST PROGRAM
REMOTELY MONITORED BATTLEFIELD SENSOR SYSTEM PROGRAM /REMBASS/
COMSEC TESTING PROGRAM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PLAN/CDT/REPT ON DEV TEST II/ENGR PHASE/, ASG DEV TEST II /SVC PHASE/, DEV TEST III, TEMPEST AND OTHER DEV AND DEV TYPE TESTS OF COMM-ELCT AND OPTICAL/ELECTRO-OPTICAL EQUIP AND SYSTEMS. DEV TEST/EVALUATION/ANALYSIS METHODOLOGY AND SUBSEQUENT INSTRUMENTATION REQUIREMENTS. OPERATE AND MAINTAIN INSTRUMENTATION AND FACILITIES TO PROVIDE THE NECESSARY TESTING CAPABILITY. MAINTAIN CAPABILITY FOR, CONDUCT, AND REPORT ON TEMPEST TESTS AND ANALYSES DURING RESEARCH, DEVELOPMENT, TEST, AND EVALUATION CYCLES. DIRECT, CONTROL, AND IMPLEMENT PROGRAMS OF LONG RANGE PLANNING FOR TEST INSTRUMENTATION/TEST FACILITIES AND RESEARCH AND DEVELOPMENT OF INSTRUMENTATION TO SUPPORT TEST AND EVALUATION WITH MISSION RESPONSIBILITIES.

INSTALLATION ELECTRONIC WARFARE LABORATORY FT. MONMOUTH, N.J.

DIR. MR. CLYDE D. HARDIN DEP. DIR. COL W. CLINGENPEEL

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	44.284	56.829
TOTAL PROCUREMENT	23.837	36.200
TOTAL O&M	0.793	1.065
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	68.914	94.094
TOTAL INHOUSE	19.475	24.196
TOTAL INHOUSE RDT&E	17.645	21.031
ANNUAL OPERATING COST	3.128	3.108

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	59	0	25	34
CIVILIAN	459	6	217	242
TOTAL	518	6	242	276

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	142.936	13.617	48.502	205.055	89.455	84.300

...MISSION
RES AND DEV ESSENTIAL TO ELECTRONIC WARFARE AND SELECTED AREAS OF INTEL. ENCOMPASSES APPLD RED INCL ORC DEV AND SPT IN INTERCEPT,DF,SIG ANALYSIS, JAMMING,DECEPT,SIG INTEL,ACOUST INTEL,AGENT EQUIP,SECURITY,COUNTER-INTEL ,VULNERABILITY AND COUNTER-COUNTERMEASURES.

...CURRENT IMPORTANT PROGRAMS
EW/SIGINT. DEVELOPMENT/PRODUCTION OF ASA MISSION EQUIP.
SELF-PROTECTION. ARMY ACFI,TANKS,TROOPS,LAND COMBAT WARNING/ECM.
VULNERABILITY/ECCM. C-E SYSTEMS,MISSILES.
TECHNOLOGY. EW TECH,NF THRU MM WAVES&IR THRU UV.
ORC READINESS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TECHNICAL FACILITIES-BIG CROW (KC-135,AIRBORNE EW LABORATORY), IRCM SIMULATOR (U.S. AND FOREIGN MISSILES),IR MEASUREMENTS AND DATA REDUCTION (ISMS,ISIS&AIRCRAFT SIGNATURES),MOBILE INSTRUMENTATION FACILITY (LGB CM TESTS),IMDSO PHOTO AND PHYSICAL SECURITY FACILITIES,EW INFORMATION SYSTEM (ORC DATA BASE),WAYSIDE TEST AREA (HF/VHF DF,IONOSONDE),ANTENNA RANGE FACILITY (MICROWAVE DF,ANTENNA PATTERNS),SANDY HOOK TEST AREA (ELINT MEASUREMENTS),ANECHOIC CHAMBER (MICROWAVE ANTENNA MEASUREMENTS), ELECTRONICALLY SECURE LABORATORY AREA.

INSTALLATION ELECTRONICS TECHNOLOGY AND DEVICES LAB FT. MONMOUTH, N.J.

DIR. DR. HANS ZIEGLER DEP. DIR. MR. S. DANKO

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	16.948	19.040
TOTAL PROCUREMENT	1.420	1.166
TOTAL O&M	0.265	0.050
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	18.633	20.256
TOTAL INHOUSE	11.914	10.752
TOTAL INHOUSE RDT&E	10.512	10.330
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	5	0	7	2
CIVILIAN	348	36	226	122
TOTAL	353	36	233	124

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	96.569	9.990	27.403	133.962	0.000	16.080

...MISSION
THE LABORATORY PLANS AND EXECUTES A BROAD-BASED R AND D PROGRAM IN AREAS OF ELECTRONICS TECHNOLOGY AND DEVELOPMENT OF ELECTRONIC PARTS,DEVICES, ASSEMBLIES,AND RELATED DISCIPLINES AND TECHNIQUES WHICH ARE COMMON TO ARMY ELECTRONIC EQUIPMENTS AND SYSTEMS.

...CURRENT IMPORTANT PROGRAMS
ADVANCE THE STATE-OF-THE-ART OF IC AND SEMICONDUCTOR TECHNOLOGY
DEVELOPMENT OF POWER SOURCES AND TMDE FOR THE FIELD ARMY
DEVELOPMENT OF FREQUENCY CONTROL AND SIGNAL PROCESSING DEVICES
DEVELOPMENT OF BEAM,PLASMA AND DISPLAY DEVICES
CHARACTERIZATION AND SYNTHESIS OF IMPROVED ELECTRONIC MATERIALS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FACILITIES ARE AVAILABLE FOR PERFORMING EXPLORATORY RESEARCH IN PHYSICS AND CHEMISTRY OF ELECTRONIC MATERIALS AND FOR CONDUCTING R AND D ON ELECTRONIC PARTS,DEVICES,INTEGRATED CIRCUITS AND ASSEMBLIES.LABS FOR PERFORMING R AND D IN THESE AREAS ARE EQUIPPED WITH THE NORMAL ARRAY OF STANDARD LABORATORY INSTRUMENTATION AND FACILITIES.LABORATORY WORK AREAS INCLUDE FACILITIES FOR THE COMPLETE FABRICATION AND TESTING OF INTEGRATED CKTS AND ASSEMBLIES,SEMICONDUCTOR DEVICES,ELECTRON TUBES, DISPLAY,STORAGE AND PICKUP DEVICES.ALSO FOR PRIMARY,SECONDARY,SPECIAL PURPOSE POWER SOURCES,ELECTROCHEMICAL RESEARCH,CHARACTERIZATION OF ELECTRONIC MATERIALS,AND FOR STUDIES OF NUCLEAR RADIATION EFFECTS IN ELECTRONIC MATERIALS AND DEVICES.

INSTALLATION ENGINEER TOPOGRAPHIC LABORATORIES FT. BELVOIR, VA.

C.O. COL M.K. KURTZ,JR. TECH. DIR. MR. ROBERT P. MACCHIA

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	15.445	13.924
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.070	0.080
TOTAL OTHER	0.178	0.272
TOTAL ANNUAL LAB	15.693	14.276
TOTAL INHOUSE	7.866	7.325
TOTAL INHOUSE RDT&E	7.622	6.973
ANNUAL OPERATING COST	1.865	1.872

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	20	1	9	11
CIVILIAN	260	21	164	96
TOTAL	280	22	173	107

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	21.200	5.500	13.300	100.000	0.000	8.706

...MISSION
ACCOMPLISHES RESEARCH AND DEVELOPMENT OF SYSTEMS, EQUIPMENT, PROCEDURES AND TECHNIQUES APPLICABLE TO MAPPING, SURVEYING, GEODESY, PHOTO-INTERPRETATION AND ANALYSIS OF ENVIRONMENTAL DATA RELEVANT TO MILITARY OPERATIONS AND MATERIEL DEVELOPMENT.

...CURRENT IMPORTANT PROGRAMS
AUTOMATED CARTOGRAPHY
TOPOGRAPHIC SUPPORT SYSTEM &TSSE
POSITION AND AZIMUTH DETERMINING SYSTEM &PADSE
ARMY TERRAIN INFORMATION SYSTEM &ARTINSE
DIGITAL IMAGE PROCESSING

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FACILITIES INCLUDE A CARTOGRAPHIC LABORATORY TO STUDY THE PROBLEMS ASSOCIATED WITH HANDLING DIGITAL CARTOGRAPHIC DATA, A DIGITAL IMAGE PROCESSING LABORATORY TO STUDY THE MANIPULATION AND ENHANCEMENT OF TERRAIN IMAGERY FOR OBTAINING MAPPING AND GEOGRAPHIC DATA, AND A COHERENT OPTICS LABORATORY FOR DETERMINING THE POTENTIAL OF COHERENT OPTICS FOR TOPOGRAPHIC DATA PROCESSING. COMPUTATIONAL EQUIPMENT INCLUDES THE CDC 6400, CDC 1700, AND DIRECT LINKAGE TO THE CDC 6600 AT THE U.S. ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT CENTER. OTHER SPECIALIZED EQUIPMENT INCLUDE A COMTAL, DICOMED, PDS DIGITAL AUTOMATED MICRODENSITOMETER, A RECORDING OPTICAL SPECTRUM ANALYZER, POCKELS RANDOM OPTICAL MODULAR, COLOR AND MULTIBAND AERIAL CAMERAS, PRECISION MENSURATION EQUIPMENT, AND COHERENT RADAR SIGNAL PROCESSOR.

INSTALLATION ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG, MISS.

DIR. COL GEORGE H. HILT TECH. DIR. MR. F.R. BROWN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	12.012	13.068
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.229	0.202
TOTAL OTHER	26.940	37.230
TOTAL ANNUAL LAB	39.181	50.500
TOTAL INHOUSE	32.959	37.700
TOTAL INHOUSE RDT&E	10.077	10.933
ANNUAL OPERATING COST	5.850	6.179

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	39	3	26	13
CIVILIAN	1350	70	477	873
TOTAL	1389	73	503	886

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1224	1589.095	324.036	171.234	2084.365	16.436	28.264

...MISSION
MIL&CIV FUNDED ENGR RSCH,DEV&INVES IN HYD,ECOLOGY,PERM&EXPEDIENT PAVEMENTS,SOIL,CONCRETE,EXPLO WPN EFF,EXPLO EXCAVATION,VEH MOBILITY&ENVIRONMENTAL ASPECTS OF MIL OP. OPERATES TECH LIBRARY&GOVERNMENT CEMENT&POZZOLAN TEST PROGRAM. SERVES CE,AMC,ONA,AEC,AF,NAVY AND OTHER AGENCIES.

...CURRENT IMPORTANT PROGRAMS
HYDMATH MODELING TO SOLVE RIVER,TIDAL,WIND-WAVE,ECOLOGICAL&STRUC PROBS. RSCH ON VEH MOBILITY,REMOTE SENSING,DREDGED MAT,&EARTHQUAKE DESIGN CRIT. NUC&HE RSCH TO DEV CRIT FOR ED OF PROTECTIVE STRUC,BARRIERS&EXCAVATIONS. RSCH,DEV&FORMULATION OF NEW&IMP ENG CRIT ON ROADS,STOR AREAS,&AIRFIELDS. INVES OF CEMENTITIOUS MATERIALS AND RSCH OF MASS AND STRUCTURAL CONCRETE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CAPABLE OF PERF GEN INVES IN FLD OF HYD,SOIL MECH,CONCRETE,MOBILITY OF MIL VEH,EXPLO EFF,ECOLOGY&EXPLO EXCAVATION AND DEV OF STRUC & PAVEMENTS DESIGN CRIT. THRU BR&APPLIED RSCH,THE CAPABILITY OF DEV METHODS&TECH AND THE TESTING OF MAT&EQUIP IS EXERCISED TO ASST IN ACCOMPLT OF THE CE MSN. WES RESERVATION CNTN BLDGS,TEST SITES,SPECIAL EQUIP&OTHER PLANT FAC. TEST SITES&FAC FOR SP PURPOSES ARE MAINT IN OTHER AREAS ON PERM OR TEMP BASIS. FAC INCL FLUMES OF DIFF TYPES&SIZES,WAVE&TIDE GENR MACH,DRILL EQUIP,FULLY EQUIPED SOILS,CONCRETE,CHEMISTRY,CALBR,ELCT&TEMPERATURE CON ENVIRONMENTAL MODEL LABS,X-RAY DIFFRACTION&SPECTROSCOPY APPAR,LARGE AND SMALL BLAST LOAD GENERATOR,200K DYNAMIC LOADER,MOBILITY RSCH FAC,SINGLE AND MULTIPLE WHEEL LOAD CARTS,SUR EFF BLAST FAC,HIGH&LOW FREQ VIBRATORS, ELECTRON MICROSCOPE,LARGE SCALE CMPT FAC AND TECH LIBRARY.

INSTALLATION FIELD ARTILLERY BOARD FT. SILL, OK.

PRES. COL EDWIN L. WEBER, JR.

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.282	0.847
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.329
TOTAL OTHER	3.162	2.000
TOTAL ANNUAL LAB	4.444	3.176
TOTAL INHOUSE	4.444	3.176
TOTAL INHOUSE RDT&E	1.282	0.847
ANNUAL OPERATING COST	0.357	0.249

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL RHDS	TOTAL PROF	NON-PROF
MILITARY	187	0	32	155
CIVILIAN	35	0	1	34
TOTAL	222	0	33	189

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
23	28.100	32.802	28.157	89.059	3.330	0.910

...MISSION
PLAN CONDUCT AND REPORT ON OT I OT II OT III AND OTHER USER-TYPE TESTS
PARTICIPATE IN DT I DT II AND DT III AS DIRECTED
PROVIDE ADVICE TO PROPONENT AGENCIES AND DEVELOPERS
CONDUCT OTHER TESTS AND EVALUATIONS AS DIRECTED BY TRADOC

...CURRENT IMPORTANT PROGRAMS
DEVELOPMENT TEST II METEOROLOGICAL DATA SOUNDING SYSTEM AN/UMQ-7
DEVELOPMENT TEST I RADAR SET AN/TPQ-37
ROTE PROJECT SEEKER
SUPPORT TEST FLASH DETECTION SENSOR SYSTEM
OPERATIONAL TEST II RADIO DATA LINK AN/GRA-114

...FUNCTIONS/EQUIPMENT/CAPABILITIES
ONE NCT STATION
TEST ITEMS ADDITIONAL SUPPORT IS OBTAINED FROM USAFACFS WHEN NEEDED

INSTALLATION FRANKFORD ARSENAL LABORATORIES PHILADELPHIA, PA.

C.O. COL JAMES R. GOBER TECH. DIR. DR. SIDNEY ROSS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	22.310	23.561
TOTAL PROCUREMENT	227.745	299.099
TOTAL O&M	20.556	20.200
TOTAL OTHER	53.400	38.600
TOTAL ANNUAL LAB	324.011	381.460
TOTAL INHOUSE	84.596	55.958
TOTAL INHOUSE RDT&E	17.249	15.705
ANNUAL OPERATING COST	21.354	20.312

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	25	0	25	0
CIVILIAN	1648	40	629	1019
TOTAL	1673	40	654	1019

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
43	577.421	149.872	425.050	1152.343	16.960	12.549

...MISSION
COMMODITY CNTR/SMALL CAL AMMO,FIRE CONTROL SYS,CANNON CAL MUN, PROP ACTUAT DEVICES.DEV & ENG & QA/CASES,ARTIL METAL PARTS,MECH TIME FUZES & TIMERS.RES & TECH/OPTICAL MAT,NON-FERR METAL,MATRL DEGRAD,CORROSION PREV,MAT ENGR,SYNTH LUBS & FLUIDS,LASER COUNTERMEASURE,TMDE,TRACERS.

...CURRENT IMPORTANT PROGRAMS
ARMY SMALL AND AUTOM CANNON CAL AMMO RES,DEV,AND ENG PROGRAM
SMALL CALIBER AMMUNITION MODERNIZATION PROGRAM,SCAMP
FIRE CONTROL EQ FOR AIRCRAFT,ANTIAIRCRAFT,ARTIL,COMB VEH,AND SMALL CAL W
TEST MEASUREMENT DIAGNOSTIC EQUIPMENT,TMDE PROGRAM
RESEARCH AND DEVELOP FOR LASER COUNTERMEASURE AND PROTECTION

...FUNCTIONS/EQUIPMENT/CAPABILITIES
34 BALLIST TEST RANGES.BALLIST MEAS EQUIP-PHOTOMETRIC TRACER,MICROWAVE INTERFEROMETER,HIGH SPEED HARD &SOFT X-RAY,DOPPLER RADAR,ANECHOIC CHAMB, HOLOGRAPHIC EQ,VERT TEST TOWERS,4 PADS FOR POINT FUZE DETON,18 IN HI-G SHOCK MACHINE,155MM AIR GUN,SPEC IGN &COMBUST EQ.RAPID SCAN SPECTROPHOT-OMETER.ELECT MICROSCOPE.SPECTROMETER.OPTICAL LAB &DESIGN SHOP.LASER TEST FAC.SOLID STATE PHY LAB.ELECT BEAM VAC FILM DEPOSIT EQUIP.PHOTOELASTIC STRESS ANAL EQUIP.ATMOSP SIMULATOR.CDC BATCH TERMINALS.HYDRAULIC & MECH POWDER MOLD EQUIP.MICROBIOLOGY LAB.TROP CLIMATE ROOM.DIFF SCAN CALORIMET PROP PROC LAB.AIRBORNE FIRE CONTROL EQUIP.AUTOMAT CHECK-OUT EQUIP.HUMID-ITY &OZONE ROOM.SCAMP MODULES.PILOT TRACER LOAD FAC.RADIO-ISOTOPE LAB. ULTRASONIC MAT TEST SYS.ELEC MICROPROBE.VAC-ARC MELTING FURN.STAT-DYNAM IMPACT TEST.MAIN ENG VEHICLE TEST FAC.LASER PHOTOLYSIS.SPACE SIMULATOR.

INSTALLATION HARRY DIAMOND LABORATORIES WASHINGTON, D.C.

C.O. COL THOMAS MCGREGOR TECH. DIR. DR. W.W. CARTER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	47.617	63.644
TOTAL PROCUREMENT	40.501	50.876
TOTAL O&M	21.996	20.472
TOTAL OTHER	1.035	1.598
TOTAL ANNUAL LAB	111.149	136.590
TOTAL INHOUSE	37.951	40.763
TOTAL INHOUSE RDT&E	27.744	33.791
ANNUAL OPERATING COST	9.512	10.458

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	11	4	11	0
CIVILIAN	1400	66	518	882
TOTAL	1411	70	529	882

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
2237	443.588	115.245	101.997	660.830	27.096	29.486

...MISSION
INFLUENCE TIME AND COMMAND FUZING/TARGET DETECTION AND SIGNATURE ANALYSIS/TARGET INTERCEPT PHASE OF TERM GUID/WEAPON SYS SYNTHESIS&ANALYSIS/ECCM&NUC EFFECTS & OTHER SEVERE ENV/FLUIDICS & MED ENG/INSTRUMENTATION& SIMULATION/COMPONENTS&MATERIALS/INDUSTRIAL & MAINTENANCE ENGINEERING*

...CURRENT IMPORTANT PROGRAMS
RD&E ON PROXIMITY & ELECTRONIC FUZING/MICROMINIATURIZATION OF ELECTRONIC COMPONENTS/POWER SUPPLIES/NUC WPNS EFFECTS/TREE/INTERNAL & EXTERNAL EMP/SPEC PURPOSE RADARS/FLUIDICS/M140 LANCE FUZE/CAMP SENTINEL RADAR/XM732 SHORT INTRUSION FUZE/MULTIOPTION FUZE FOR MORTARS XM734/SAM-D FUZE/TEMPS ABMDA STUDIES/CHAPARRAL FUZE XM817/FUZE ON A CHIP RES/XM567 TIME FUZE*

...FUNCTIONS/EQUIPMENT/CAPABILITIES
SIMULATORS TO DETERMINE SUSCEPTIBILITY OF WEAPON SYSTEMS TO NUCLEAR WEAPONS EFFECTS & TO ESTABLISH HARDENED DESIGNS/PULSED NUCLEAR REACTOR & HIGH INTENSITY X RAY /AN EXTREMELY LARGE DOSE & VOLUME GAMMA RAY GENERATOR AURORA & BICONIC ELECTROMAGNETIC PULSE EMP DEVICE & LARGE TRANSPORTABLE EMP SIMULATOR TEMPS FOR HIGH ALTITUDE & THREAT LEVEL ENVIRONMENT SIMULATION/ARTILLERY SIMULATOR TO EVALUATE EFFECTS OF FIRING FORCES/LATITUDE MAGNETIC SIMULATOR FOR ANTITANK SIGNATURE ANALYSIS/INFRA RED DARK TUNNEL/ANTENNA TEST RANGE/RADAR TEST SITE/ HIGH PRESSURE SHOCK TUBES FOR STUDY OF HIGH TEMP GASES/ MERCURY ARC PLASMA TUBE & OPTICAL & SPECTROSCOPIC EQUIPMENT/ECM VULNERABILITY ANALYSES+COUNTERMEASURE EQUIPMENT DEVELOPMENT/TECHNICAL INTELLIGENCE STUDIES

INSTALLATION HUMAN ENGINEERING LABORATORY ABERDEEN PROV GR, MD.

DIR. DR. JOHN D. WEISZ EXEC. LTC RICHARD D. KAVANAUGH

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	4.792	7.265
TOTAL PROCUREMENT	0.012	0.035
TOTAL O&M	0.618	0.060
TOTAL OTHER	0.276	0.288
TOTAL ANNUAL LAB	5.698	7.638
TOTAL INHOUSE	5.174	7.003
TOTAL INHOUSE RDT&E	4.268	6.630
ANNUAL OPERATING COST	1.365	1.602

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	31	1	10	21
CIVILIAN	119	13	79	40
TOTAL	150	14	89	61

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
10	27.100	17.605	28.953	73.658	0.717	2.991

...MISSION
CONDUCT APPLIED & ENG R&D, AND COMPONENT CONCEPT DEVELOPMENT
DEVELOP NEW HUMAN FACTORS ENGINEERING METHODOLOGY
INTEGRATE ALL MANPOWER CHARACTERISITCS INTO ARMY MATERIEL
DEVELOPMENT PROGRAM

...CURRENT IMPORTANT PROGRAMS
HUMAN ENGINEERING LAB BN ARTY TESTS, HELBAT
HUMAN ENGINEERING LAB ARMOR SYSTEMS TESTS, HELAST
HUMAN ENGINEERING LAB INFANTRY SYSTEMS TESTS, HELIST
AUDITORY & VISUAL INTERACTIONS IN RELATION TO INFO DISPLAYS
HUMAN FACTORS ENG IN SPT OF ALL MATERIEL BEING DEV BY AMC

...FUNCTIONS/EQUIPMENT/CAPABILITIES
INSTRUMENTED PHYSICAL ENDURANCE COURSE
HELICOPTER SIMULATOR (GAT 2 SYSTEM)
COMMAND AND CONTROL INFORMATION HANDLING SIMULATORS-AIR DEF
ANECHOIC CHAMBER
EYE MOVEMENT MEASURING DEVICE (OCULOMETER)
SMALL ARMS TEST FIRING RANGE
NOISE MEASUREMENT AND ANALYSIS INSTRUMENTATION
WOOD AND METAL WORKING TEST SUPPORT CAPABILITY
ARMOR TEST SITE
CENTRAL NERVOUS OUTPUT RECORDING INSTRUMENTATION
HUMAN PERFORMANCE DATA BANK
SS

INSTALLATION INFANTRY BOARD FT. BENNING, GA.

PRES. COL WALTER E. MEINZEN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.094	1.203
TOTAL PROCUREMENT	0.001	0.000
TOTAL O&M	0.026	0.105
TOTAL OTHER	1.381	1.563
TOTAL ANNUAL LAB	2.502	2.871
TOTAL INHOUSE	2.502	2.871
TOTAL INHOUSE RDT&E	1.094	1.203
ANNUAL OPERATING COST	0.185	0.190

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	153	0	28	125
CIVILIAN	60	0	5	55
TOTAL	213	0	33	180

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	0.000	46.203	31.288	77.491	0.000	0.357

...MISSION
PLAN CONDUCT & REPORT ON OPERATIONAL TESTS I, II, AND III
PROVIDE ADVICE TO PROPONENTS FOR USE BY OR IN SUPPORT OF INFANTRYMEN
PARTICIPATE IN DEVELOPMENT TESTS I, II AND III
CONDUCT OTHER TESTS AND EVALUATIONS AS DIRECTED BY COMMAND TRADOC

...CURRENT IMPORTANT PROGRAMS
INDIVIDUAL CHEMICAL PROTECTIVE CLOTHING
M60 MG PEDESTAL MOUNT ON M113
EXTENDED RANGE TOW
HANDHELD LASER RANGEFINDER
LIGHTWEIGHT LASER DESIGNATOR

...FUNCTIONS/EQUIPMENT/CAPABILITIES
EQUIP & ANCILLARY ITEMS USED BY INF FOR COMMAND AND CONTROL, FIRE POWER, TARGET ACQUISITION, GROUND SURVEILLANCE, FIRE CONTROL, GROUND MOBILITY & TRAINING, CLOTHING, EQUIP, RATIONS, COOKING & MESSING EQUIP, ANTI-PERSONNEL MINES & RELATED EQUIP, CHEMICAL-BIOLOGICAL WARFARE EQUIP FOR INDIVIDUALS, CLOTHING, EQUIP & RATIONS WORN OR CARRIED BY PARACHUTISTS WHILE JUMPING FROM AIRCRAFT & CLEARING DROP ZONE. REVIEW & COMMENT ON TRAINING DEVICE REQUIREMENT DOCUMENTS AND TEST SUPPORT PKGS. PLAN DIRECT & CONTROL PROGRAM IN TEST METH, TEST INSTRU & TEST FACILITIES TO SUPPORT TEST MISSION & PROVIDE INPUT TO THE TRADOC TESTING PROGRAM. ASSIST PROPONENT SCHOOL IN DEVELOPING OUTLINE TEST PLANS & TRADOC PORTION OF DEVELOPMENT PLAN. PROVIDE MEMBERSHIP/REPRESENTATION ON BOARDS, PANELS, COMMITTEES, COUNCILS, & CONFERENCES AS APPROVED BY CDR TRADOC.

INSTALLATION INSTITUTE OF DENTAL RESEARCH WASHINGTON, D.C.

C.O. COL DUANE E. CUTRIGHT

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.006	0.804
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.069	0.080
TOTAL OTHER	0.892	0.954
TOTAL ANNUAL LAB	1.967	1.838
TOTAL INHOUSE	1.967	1.838
TOTAL INHOUSE RDT&E	1.006	0.804
ANNUAL OPERATING COST	0.139	0.139

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	62	22	51	11
CIVILIAN	26	2	6	20
TOTAL	88	24	57	31

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
4	9.325	5.696	6.730	21.751	0.790	0.950

...MISSION
DEVELOPS SIMP TECHNIQUES FOR RAPID AND EFF TREAT OF WAR RELATED MAXIL& LOFACIAL INJ AND DENT DIS. DEV RQR MIL INFO ON EPIDEMIOLOGY, ETIOLOGY, AND PREVENT AND CONTROL OF ORAL DIS. CONDUCTS BASIC AND CLINICAL INVEST ON DENT MATERIELS AND EDUCATION AND TRAINING OF DENTAL PERSONNEL.

...CURRENT IMPORTANT PROGRAMS
NONDEGRADABLE AND BIODEGRADABLE IMPLANT MATERIALS.
ELECTRIC ANESTHESIA TECHNIQUES.
APPLICATION OF LASERS IN MILITARY DENTISTRY.
USE OF NITINOL IN MEDICINE AND DENTISTRY.
HAND SCRUB BY PULSE-PRESSURE LAVAGE.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DETERMINE PHYSICAL,CHEMICAL,AND MECHANICAL PROPERTIES OF METALS,ALLOYS, CERAMICS,PLASTICS,AND POLYMERS,TO INCLUDE STRESS TESTING AND ELECTRON MICROSCOPIC EVALUATION. CONDUCT EXPERIMENTAL RESEARCH IN MICROBIOLOGY, BIOCHEMISTRY,IMMUNOLOGY,RADIATION MEDICINE,AND PHARMACOLOGY. TEST AND EVALUATE ANY FACET OF CLINICAL DENTISTRY,TO INCLUDE CLINICAL AND LABORATORY TECHNIQUES. PREPARE AND ANALYSE HISTOPATHOLOGIC SPECIMENS AND PERFORM DIFFERENTIAL DIAGNOSTIC EVALUATION ON THEM. PERFORM MOST FACETS OF ANIMAL SURGERY REQUIRED TO SUPPORT RESEARCH EFFORT.

INSTALLATION INSTITUTE OF SURGICAL RESEARCH FT. SAM HOUSTON, TX.

C.O. COL BASIL A. PRUITT, JR.

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.545	1.581
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	1.909	1.902
TOTAL ANNUAL LAB	3.454	3.483
TOTAL INHOUSE	3.454	3.483
TOTAL INHOUSE RDT&E	1.545	1.581
ANNUAL OPERATING COST	0.155	0.180

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	136	20	22	114
CIVILIAN	77	3	7	70
TOTAL	213	23	29	184

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1	26.424	1.800	22.408	50.632	1.968	1.658

...MISSION
CONDUCTS BASIC AND CLINICAL RSCH ON SEVERE BURN INJURIES AND THEIR COM& PLICATIONS, PROVIDES TREATMENT FOR BURNED PATIENTS, AND TRAINS SPECIFIED PERSONNEL IN THE TOTAL MANAGEMENT OF SUCH PATIENTS.

...CURRENT IMPORTANT PROGRAMS
BURN INFECTION, TREATMENT AND PREVENTION. PROTEIN SYNTHESIS AND DEGRADATION AFTER BURNS. LEUKOCYTE CHEMOTAXIS AND METABOLISM POST BURNS. DEVELOPMENT OF ANIMAL MODEL FOR STUDIES OF POSTBURN HYPERMETABOLISM. EPIDEMIOLOGY OF INFECTION IN BURNED PATIENTS. RSCH ON SEVERE BURN INJURIES AND THEIR COMPLICATIONS. TRAINING IN TOT MGT OF BURN PATIENTS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
OPERATES 60 BEDS FOR SERIOUSLY BURNED AND INJURED PATIENTS. PROVIDES CLINICAL LABORATORY SUPPORT AND RESEARCH CAPABILITIES IN THE FIELDS OF PATHOLOGY& INCLUDING USE OF ELECTRON MICROSCOPE, MICROBIOLOGY, EXPERIMENTAL SURGERY, RENAL PHYSIOLOGY AND BIOCHEMISTRY. NTAINS AN MAINTAINS ANIMAL COLONY, ELECTRON SHOP, MACHINE SHOP, SURG LIBRARY, AND METABOLIC CHAMBER.

INSTALLATION JEFFERSON PROVING GROUND MADISON IN

C.O. COL JAMES M. BISHOP DIR. MR. E.J. CHAMBERS MAT TEST DIR

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.020	0.010
TOTAL PROCUREMENT	0.369	0.296
TOTAL O&M	9.902	9.994
TOTAL OTHER	0.111	0.120
TOTAL ANNUAL LAB	10.402	10.420
TOTAL INHOUSE	10.402	10.420
TOTAL INHOUSE RDT&E	0.020	0.010
ANNUAL OPERATING COST	4.469	4.494

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	4	0	0	4
CIVILIAN	495	0	0	495
TOTAL	499	0	0	499

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
55264	0.000	58.854	649.624	708.478	27.690	11.888

...MISSION
PLAN AND CONDUCT ACCEPT TESTS, RECOND, SURV, ENGR DESIGN, PRODUCT IMP, SUPPORT, SPECIAL STUDY, MASTER CALIB, TESTS OF ARTILLERY TYPE AMMO AND COMP FOR LOAD PLANTS, PRIVATE MFGRS, ARSENALS. PROVIDE ADVICE, AND GUIDANCE ON TEST AND EVAL TO DEVELOPERS, PROD, SERVICES AND PRIV IND.

...CURRENT IMPORTANT PROGRAMS
ACCEPTANCE TESTING OF FUZE, M557
ACCEPTANCE TESTING OF BOOSTER, M125
ACCEPTANCE TESTING OF CARTRIDGE, M301, 81MM
ACCEPTANCE TESTING OF FUZE, M524, 81MM
ACCEPTANCE TESTING OF [illegible], M392, 105MM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
JPG INCLUDES NUN TEST RANGES TO 20000 METERS, FAC, INST, AND SUPPORT IND COMPLEX. THERE ARE 13 PERMANENT TEST COMPLEXES, 768 GUN POSITIONS, 50 IMPACT FIELDS WITH OBSERVATION BUNKERS OR TOWERS, ENVIRONMENTAL TEST EQUIPMENT, 7 AMMO ASSEMBLY PLANTS, WEATHER STATION, WEAPONS AND ARTY STORAGE FACILITY, 32 AMMO STOR IGLOOS, INSTRUMENTATION, RADAR, AND PHOTO SUPPORT, AND OTHER REQUIRED SUPPORT TO ACCOMPLISH THE MISSION. AN INSTRUMENTATION CABLE DISTRIBUTION SYSTEM AND A COMMUNICATIONS NETWORK INTERCONNECT BETWEEN THE INSTRUMENTATION BUILDING AND TEST SITES. CURRENTLY 211 LINE ITEMS OF MUNITIONS ARE BEING TESTED. TEST DATA INCL PROJ VEL, TARGET ACC, RANGE, DEFLECTION, HT OF BURST, IGNITION DELAY, PROPELLANT PRESSURE, TRACER FUNCT, FUZE SAFETY, FUZE ARMING, FUZE FUNCT, ARMOR PLATE TEST DATA, SOUND LEVEL, FLASH INTENSITY, ETC.

INSTALLATION KWAJALEIN MISSILE RANGE,MARSHALL ISLANDS APO SAN FRANCISCO

C.O. COL E.A. VAN NETTA DEPUTY MR. O.E. OVA

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	81.244	91.042
TOTAL PROCUREMENT	3.930	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	2.013	0.731
TOTAL ANNUAL LAB	87.187	91.773
TOTAL INHOUSE	3.952	4.931
TOTAL INHOUSE RDT&E	3.378	4.200
ANNUAL OPERATING COST	0.199	0.089

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	27	1	25	2
CIVILIAN	126	0	72	54
TOTAL	153	1	97	56

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1537	0.000	199.499	2543.793	2743.292	208.626	132.978

...MISSION
PLAN, MANAGE, DIRECT, CONTROL AND COORDINATE OVERALL ACTIVITIES OF THE KWAJALEIN MISSILE RANGE IN ACCORDANCE WITH DOD NATIONAL RANGE POLICIES AND PROCEDURES.SERVE AS THE PRINCIPLE ADVISOR FOR ALL MATTERS PERTAINING TO THE KMR RELATIONSHIP WITH THE TRUST TERRITORY OF THE PACIFIC ISLANDS.

...CURRENT IMPORTANT PROGRAMS
BALLISTIC MISSILE DEFENSE SYSTEMS CMD RESEARCH & DEVELOPMENT TESTING
ADVANCED BALLISTIC REENTRY SYSTEMS-USAF SAMSO-R&D TESTING
MINUTEMAN III -USAF SAMSO- RESEARCH AND DEVELOPMENT TESTING
MINUTEMAN II AND MINUTEMAN III -USAF SAC- OPERATIONAL TESTING
TRIDENT MARK 4 AND MARK 500 RESEARCH AND DEVELOPMENT TESTING

...FUNCTIONS/EQUIPMENT/CAPABILITIES
ALCOR-C-BAND-, ALTAIR-UHF,VHF-, TRADEX-L,S-BAND-, AN/MPS-36-2-, RADARS: 8LINETHEODOLITES,8BALLISTIC CAMERAS,4SPECTRAL CAMERAS & FIXED CAMERAS: PHOTOGRAPHIC LABORATORY: S-BAND TELEMETRY COMPLEX INCLUDING EIGHT AUTO-TRACKING ANTENNAS, RECEIVE & RECORD SYSTEM, DATA SEPARATION & DISPLAY SYSTEM, DATA DISTRIBUTION SYSTEM WITH CAPABILITY FOR RECEIVING, RECORDING & PROCESSING PCM/FM,PCM/FM/FM,PDM/FM/FM,PDM/FM,PAM/FM/PM,&PDM/FM/FM: 2SPLASH DETECTION RADARS WITH IMPACT TIMING SYSTEM:RV RECOVERY SYSTEM: LONG-HAUL & INTRA-ATOLL COMMO SYSTEMS: METEOROLOGICAL SYSTEM: FREQUENCY CONTROL & ANALYSIS SYSTEM: CALIBRATION LABORATORY: TIMING AND COUNTDOWN SYSTEM: LAUNCH/ORDNANCE CAPABILITY: COMMAND & CONTROL CENTER: 7600/6400 CENTRAL DATA PROCESSING CENTER: POSITION NAVIGATION SYSTEM: CLOSED CIRCUIT TELEVISION SYSTEMS: DATA REDUCTION & ACCURACY ANALYSIS FACILITY.

INSTALLATION LETTERMAN ARMY INSTITUTE OF RESEARCH PRESIDIO, S.F., CAL.

C.O. COL JOHN E. CANHAM

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	5.144	6.334
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	7.954	5.960
TOTAL ANNUAL LAB	13.098	12.294
TOTAL INHOUSE	7.457	9.541
TOTAL INHOUSE RDT&E	5.144	6.334
ANNUAL OPERATING COST	2.480	2.100

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	264	49	106	158
CIVILIAN	225	16	59	166
TOTAL	489	65	165	324

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
5	135.235	89.533	96.201	320.969	22.449	8.089

...MISSION
CONDUCTS GENERAL RESEARCH AND RESEARCH IN AREA OF NUTRITION,DERMATOLOGY, INFECTIOUS DISEASES,EFFECTS OF LASERS,EXPERIMENTAL PSYCHOLOGY, COMBAT SURGERY AND BLOOD PRESERVATION.

...CURRENT IMPORTANT PROGRAMS
ADVERSE EFFECTS ON HUMAN SKIN BY HEAT, MOISTURE AND INFECTIOUS AGENTS. ENTOMOLOGICAL VECTORS OF DISEASE CONTROL BY INSECT REPELLENTS. APPLIED NUTRITION STUDIES OF MILITARY POPULATIONS. NUTRITION AND METABOLIC ADAPTION AND INTERRELATIONSHIPS. LIFE SUPPORT SOLUTIONS FOR THE ACUTELY INJURED. HEALTH EFFECTS OF MILITARY LASERS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
EQUIP AND FACILITY CAPABILITIES INCLUDE HUMAN METABOLIC WARD, PATHOGEN FREE ANIMALS, ELECTRON MICROSCOPY, AUTO ANALYZERS AND RECORDERS, INCLUDING AUTO BETA AND GAMMA COUNTERS, SHADOW SHIELD WHOLE BODY COUNTER, GAMMA CAMERA, MASS SPECTROMETER, AND LASERS. RESEARCH INCLUDES NUTRITION SURVEYS AND RATION TESTING, BASIC AND APPLIED STUDIES OF TRACE MINERAL METABOLISM, NUTRIENT REQUIREMENTS AND INTERRELATIONSHIPS, EXPERIMENTAL SURGERY,COMPARATIVE PATHOLOGY OF STRESS IN ENVIRONMENT AND OF NUTRITION, PHYSIOLOGICAL AND BIOCHEMICAL STUDIES OF MUSCLE METABOLISM, EXERCISE AND FATIGUE IN MAN AND MILITARY DOG. STUDIES OF DELAYED HYPERSENSITIVITY, FRICTION BLISTERS, FUNGAL SKIN DISEASE, PROLONGED WATER IMMERSION, PRICKLY HEAT AND STUDIES ON THE EFFECTS OF NONIONIZING LASER RADIATION ON MAN.

INSTALLATION MATERIALS AND MECHANICS RESEARCH CENTER WATERTOWN, MASS.

DIR. DR. A.E. GORUM C.O. AND DEPUTY DIR. LTC E.E. CHICK

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	22.985	22.439
TOTAL PROCUREMENT	6.805	5.098
TOTAL O&M	1.919	1.872
TOTAL OTHER	0.014	0.012
TOTAL ANNUAL LAB	31.723	29.421
TOTAL INHOUSE	16.311	17.462
TOTAL INHOUSE RDT&E	11.947	14.022
ANNUAL OPERATING COST	3.945	4.674

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	17	2	7	10
CIVILIAN	656	65	214	442
TOTAL	673	67	221	452

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
48	389.161	96.018	169.979	655.158	15.726	15.400

...MISSION
MANAGE AMC R&D STRUCTURAL MATERIALS & MECHANICS PROGRAM AS LEAD LAB FOR MATERIALS,SOLID MECH & TESTING TECHNOLOGY.CONDUCT TECHNOLOGICAL PROGRAMS IN MAT & MECH USED IN ARMY MATERIEL.EXECUTES PROGRAM IN OWN FACILITIES & BY ASSIGNMENT & FUND TRANSFER TO OTHER AMC LABORATORIES & CONTRACTORS

...CURRENT IMPORTANT PROGRAMS
DEVELOPMENT OF ELECTROSLAG REMELTED STEELS
DEVELOPMENT OF POLYPHOSPHAZENE ELASTOMERS
CERAMIC TURBINE ENGINE MATERIALS
ALUMINUM-GRAPHITE AND ORGANIC MATRIX COMPOSITES
LIFE PREDICTION RELIABILITY MECHANICS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MANAGE AMC R&D PROG IN MATERIALS & MECHANICS & CONDUCT TECH PROGS IN MATERIALS SYSTEMS & MECHANICS DIRECTED TO ARMY MATERIEL.MANAGE DOD PROG AS EXECUTIVE AGENT-ARMOR TECHNOLOGY.MANAGE & CONDUCT INTEGRATED & DIRECTED BASIC & APPLIED RES ON MATERIALS SUCH AS METALS,CERAMICS,ORGANIC & INORGANIC POLYMERS & COMPOSITES.MANAGE & CONDUCT THEORETICAL & APPLIED STUDIES ON MECH OF MATLS & SYSTEMS.IDENTIFY & INVES BASIC FACTORS INVOLVED IN PROC & APPL OF NEW & IMPROVED MATLS.TECH MANAGE FIVE INFO ANAL CEN.ASST IN DESIGN & DEV OF PROTOTYPES.DEV METHODS FOR TEST & EVAL OF MATS & STRUCTURES.MANAGE ARMY PORTION DEFENSE STANDARDIZATION PROG. CONDUCT ENGINEERING STANDARDIZATION EFFORT.MANAGE AMC MATERIALS TESTING PROGRAM.CONDUCT PEMA MANUFACTURING METHODS & TECHNOLOGY PROGRAMS & ADVISE COMMAND & INDUSTRY ON PROCESSING TECHNIQUES.

INSTALLATION MATERIEL TESTING DIRECTORATE ABERDEEN PROV GR, MD.

C.O. COL ALVIN D. UNGERLEIDER ASSOC. DIR. B.D. SISSOM

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	21.259	21.645
TOTAL PROCUREMENT	5.512	6.687
TOTAL O&M	0.961	2.058
TOTAL OTHER	0.723	2.620
TOTAL ANNUAL LAB	28.455	33.010
TOTAL INHOUSE	28.240	32.790
TOTAL INHOUSE RDT&E	21.108	21.485
ANNUAL OPERATING COST	14.153	17.630

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	208	1	35	173
CIVILIAN	975	6	201	774
TOTAL	1183	7	236	947

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
23396	687.430	9.540	289.190	986.160	16.302	29.082

...MISSION
PLAN CDT & REPT TESTS OF WPNS WPN SYS RKTS & GM SYS FIRE CON & TGT ACQ EQUIP ITEMS OF AMMO & MUN COMPONENTS CRT VEHS OTHER AUTO MAT GEN EQUIP SUCH AS GENERATORS & AIR CONDS PROC INSP & CON ISSUE OF ARMOR PLATE FOR ALL USAMC AMMO TEST PROV SUPPORT SVCS TO APG ELEMENTS & SUPPORTED CMDS

...CURRENT IMPORTANT PROGRAMS
PA OF M68 WEAPONS AND M140 MOUNTS FOR M60A1 TANK
EO OF ARMOR XM1 TANK SYSTEM PROTECTION PLAN
DT II OF MECHANIZED INFANTRY COMBAT VEHICLE MICV XM723
DT II OF XM198 155MM HOWITZER TOWED AND PROPELLING CHARGES XM123 & XM164
DT II OF XM204 105MM HOWITZER TOWED ENGR PHASE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TEST AREA 68700 ACRES RANGE TO LAND IMPACT 26000 M RANGE TO WATER IMPACT 3000 M 41 M1 OF AUTMV CRS INCL 27 SP ENGR TEST CRS & OBSTACLES VARIETY OF ENVIR OR COND EQUIP SP CHAMBERS FOR SUBJECTING EQUIP TO DUST SALT SPRAY OR SOLAR RADN ISOLATED VIBRATION TEST FAC WHICH PERMITS SHAKING EXPLO EQUIP SIMULTANEOUSLY WITH TEMP CONDITIONING FAC FOR CONTROLLED TESTS OF ELEC CON & GUIDANCE EQUIP FREQ SOURCE WHICH PERMITS TESTING ALL TYPES OF MAT IN PRESENCE OF A HIGH INTENSITY ELEC MAGNETIC RADN SP FAC FOR TEST OF ARMOR PLATE SP VEL & TGT EQUIP IS AVAL FOR OBSERVATIONS DURING RAPID FIRE AS IS A RKT TRACK FOR CONTROLLED TERMINAL BALLISTIC TESTS FAC AVAL FOR TESTS OF SP ELECTRONIC & FIRE CON EQUIP & RELATED SYSTEMS & COMPONENTS

INSTALLATION MEDICAL BIOENGINEERING R&D LABORATORY FORT DIETRICK, MD.

C.O. COL CHARLES R. ANGEL

GRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	2.297	2.409
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.441	0.487
TOTAL ANNUAL LAB	2.738	2.896
TOTAL INHOUSE	2.738	2.896
TOTAL INHOUSE RDT&E	2.297	2.409
ANNUAL OPERATING COST	0.918	0.998

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	30	7	22	8
CIVILIAN	76	12	32	44
TOTAL	106	19	54	52

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
5	35.500	27.300	43.775	106.575	2.927	1.802

...MISSION
CDT ENG RSCH AND DEV OF MIL MED EQUIP ON CONT BASIS FOR ARMY AND ON AN AS RQR BASIS FOR NAVY AND AF. RESP FOR PROD OF PROTYPES, TEST MODELS, AND LMT QUANT MED MAT TO SPT URG MIL RQR. CDT ENV HLTH RSCH SPT OF TSG RESP IN AIR AND WATER POLLUT CONTROL AND SOLID WASTE AND PEST DISPOSAL.

...CURRENT IMPORTANT PROGRAMS
DEVELOPMENT OF ENVIRONMENTAL QUALITY STANDARDS FOR INSTALLATION RESTORATION. DEVELOPMENT OF RAPID REWARMER FOR TREATMENT OF FROSTBITE CASUALTIES. DEVELOPMENT OF CRITERIA FOR DISPOSAL OF TREATED WASTEWATER BY LAND APPLICATION. DEVELOPMENT OF FIELD OPTOMETRY SET. DEVELOPMENT OF DURABILITY CRITERIA FOR ULTRA LOW-VOLUMN PESTICIDE DISPERSAL SYSTEMS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
LABORATORY IS CAPABLE OF DESIGNING, DEVELOPING AND FABRICATING PROTOTYPE FIELD MEDICAL EQUIPMENT, PEST MANAGEMENT EQUIPMENT AND SYSTEMS, DEVELOPING AND CONDUCTING IN VIVO AND IN VITRO STUDIES OF BIOMATERIALS, ELECTRON MICROSCOPY, AND PERFORMING HEALTH AND ECOLOGICAL EFFECTS RSCH ON ENVIRONMENTAL POLLUTANTS OF MILITARY ORIGIN.

INSTALLATION MEDICAL RESEARCH AND DEVELOPMENT COMMAND HQ WASHINGTON, DC

C.O. BG KENNETH R. DIRKS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	21.770	24.650
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	1.406	1.531
TOTAL ANNUAL LAB	23.176	26.181
TOTAL INHOUSE	3.256	3.642
TOTAL INHOUSE RDT&E	1.850	2.111
ANNUAL OPERATING COST	1.749	2.030

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	63	15	44	19
CIVILIAN	106	0	8	98
TOTAL	169	15	52	117

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
0	0.000	21.905	0.000	21.905	0.000	0.000

...MISSION
ADMINISTRATION AND COORDINATION OF THE RESEARCH, DEVELOPMENT, TEST AND EVALUATION PROGRAM OF THE ARMY MEDICAL DEPARTMENT. THE PROGRAM IS LIMITED TO THOSE PROBLEMS WHICH ARE UNIQUE TO THE MILITARY AND IS CONDUCTED IN THE US AS WELL AS OTHER COUNTRIES.

...CURRENT IMPORTANT PROGRAMS
CARE OF THE WOUNDED.
PREVENTION AND CONTROL OF INFECTIOUS DISEASES.
ENHANCEMENT OF MILITARY PERFORMANCE.
PROTECTION AGAINST MILITARY ENVIRONMENTAL HAZARDS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DESCRIPTION OF LABORATORY EQUIPMENT AND FACILITIES CAPABILITIES IS NOT APPLICABLE TO THIS HEADQUARTERS, AS IT SERVES IN AN ADMINISTRATIVE CAPACITY ONLY.

INSTALLATION MEDICAL RESEARCH INST OF INFECTIOUS DISEASES FORT DETRICK,MD

C.O. COL JOSEPH F. METZGER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	7.262	7.517
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	3.152	4.267
TOTAL ANNUAL LAB	10.414	11.784
TOTAL INHOUSE	10.414	11.784
TOTAL INHOUSE RDT&E	7.262	7.517
ANNUAL OPERATING COST	2.667	2.700

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	317	58	65	252
CIVILIAN	198	24	63	135
TOTAL	515	82	128	387

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
57	93.217	13.819	198.731	305.767	17.824	3.567

...MISSION
PERFORMS STUDIES ON THE PATHOGENIS,DIAGNOSIS,PROPHYLAXIS,TREATMENT,AND EPIDEMIOLOGY OF INFECTIOUS DISEASES OF MIL IMPORTANCE WITH EMPHASIS ON PROBLEMS ASSOCIATED WITH MEDICAL DEFENSE AGAINST BIOLOGICAL AGENTS AND THOSE MICROORGANISMS WHICH REQUIRE SPECIAL CONTAINMENT FACILITIES.

...CURRENT IMPORTANT PROGRAMS
DEVELOPMENT OF NEW VACCINES AND TOXOIDS.IMMUNOLOGICAL STUDIES TO DETERMINE HOW VACCINES PROTECT. STUDIES ON PATHOGENESIS OF MILITARILY IMPORTANT DISEASES. DEVELOPMENT OF MORE RAPID AND IMPROVED METHODS OF DISEASE DIAGNOSIS AND MANAGEMENT.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TWO LARGE BUILDINGS PROVIDE ABOUT 300,000 SQUARE FEET OF SPACE AND CONTAIN 23 MODERN LABORATORY SUITES WHICH REPRESENT THE LATEST IN FUNCTIONAL CONCEPTS,LABORATORY DESIGN,AND SAFETY. A COMPLEX PROGRAM OF MEDICAL RESEARCH IS CONDUCTED AND INCLUDES IMMUNOLOGY, PATHOLOGY, PHYSIOLOGY, SEROLOGY, BIOCHEMISTRY, BIOPHYSICS, MOLECULAR BIOLOGY, AND TISSUE CULTURE. SPECIAL CAPABILITIES INCLUDE ELECTRON MICROSCOPY, ELECTRON SPIN RESONANCE AND RADIOIMMUNOASSAY LABORATORIES, A VACCINE PRODUCTION SUITE, HOSPITAL FACILITIES FOR MEDICAL PATIENTS AND FOR RESEARCH STUDIES WITH VOLUNTEERS. USAMRIID RESEARCH IS SUPPORTED BY TWO COMPUTERS AND A LARGE ANIMAL FACILITY. SPECIAL FACILITIES FOR STUDY OF INFECTION BY AIRBORNE INGRESS TO RESPIRATORY TRACT.

INSTALLATION MISSILE RES., DEV. AND ENGINEERING LAB REDSTONE ARSENAL, AL.

C.O. MG GEORGE E. TURNMEYER DIR. DR. JOHN L. MCDANIEL

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	78.027	97.424
TOTAL PROCUREMENT	9.940	9.237
TOTAL O&M	5.560	6.242
TOTAL OTHER	1.462	1.457
TOTAL ANNUAL LAB	94.989	114.360
TOTAL INHOUSE	52.599	54.061
TOTAL INHOUSE RDT&E	37.653	40.649
ANNUAL OPERATING COST	7.766	7.689

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	37	5	24	13
CIVILIAN	1183	80	806	377
TOTAL	1220	85	830	390

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
13000	911.000	141.000	71.000	1123.000	28.671	36.741

...MISSION
PLAN 9 CONDUCT RESEARCH,EXPLORATORY & ADVANCED DEVELOPMENT FOR ASSIGNED MATERIEL.EXECUTE MATERIEL DEV PROGRAMS NOT SELECTED FOR PROJ MGMT.PROVIDE SCIENTIFIC & ENGR SPT TO OTHER AMC OR DOD ELEMENTS WITH PROJ/SYS MGMT RESPONSIBILITY.DESIGN,DEV & FABRICATE PROTOTYPE MSL SYS COMPONENTS.

...CURRENT IMPORTANT PROGRAMS
LASER TECHNOLOGY AND APPLICATIONS
TERMINAL HOMING
FREE FLIGHT ROCKET SYSTEMS
TACTICAL SOFTWARE
SIMULATION RESEARCH

...FUNCTIONS/EQUIPMENT/CAPABILITIES
SYS.OPERATE ARMY INERTIAL GUID MGMT & TECH CTR & ARMY RKT PROP TECH AND MGMT CTR. PROVIDE SIMULATION SPT BY USE OF ADV SIMULATION FAC FOR EXPLORATORY,ADV,& ENGR DEV PROGS.SERVE AS AMC LEAD LAB FOR G&C/TERM HOMING & HI ENERGY LASER TECHNOLOGY.FACILITIES---ADVANCED SIM FAC WITH CENTRAL FREQUENCY SYS&,LASER DESIGNATOR LAB,RF SHIELDED ANECHOIC CHAMBER,INSTRON TYPE FABRICATION FAC,LASER RADAR PROTOTYPE FAC,COMPOSITE STRUCTURES FAC, EMISSION SPECTROGRAPH,STATIC TEST FAC,GAS DYNAMICS LASER TEST FAC,FLIGHT &TRACK TEST FAC,HEAT TREATING FAC FOR MATERIALS TESTING,INTERACTIVE COMPUTER SYS ANALYZER,ELECTROMAGNETIC EFFECTS TEST FAC,AIRBORNE SENSOR MEASUREMENT PLATFORM,UNITRON VACUUM METALLOGRAPH,RADIATION HOMING MSL TEST BED FAC,ADVANCED RADAR DEV FAC,SIGNATURE EVALUATION ENVIRONMENT CHAMBER,LASER EVALUATION FAC,NEODYMIUM LASER.

INSTALLATION MOBILITY EQUIPMENT R&D CENTER FT. BELVOIR, VA.

C.O. COL TENHO R. HUKKALA TECH. DIR. MR. T. G. KIRKLAND

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	42.531	51.151
TOTAL PROCUREMENT	23.423	21.639
TOTAL O&M	12.191	7.636
TOTAL OTHER	7.816	15.200
TOTAL ANNUAL LAB	85.961	95.626
TOTAL INHOUSE	28.526	29.223
TOTAL INHOUSE RDT&E	20.559	21.587
ANNUAL OPERATING COST	8.770	12.361

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	53	1	53	0
CIVILIAN	1270	26	450	820
TOTAL	1323	27	503	820

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1064	620.600	116.500	214.600	951.700	40.933	30.000

...MISSION
BASIC AND APPLIED RSCH DESIGN DEV PRODUCT AND PRODUCTION ENGRG STDZN AND DESIGN TESTING AND TEST EVAL ON ASSIGNED ITEMS OF EQUIP. OVERALL SUPERVISION OF USA FUELS AND LUBS LAB. ENGRG AND PROC SPT OF TOPO EQUIP. QTY FIRST TIME BUYS OF ASSIGNED ITEMS. ASSIGNED SPT TO PROJECT/COMMODITY MGR

...CURRENT IMPORTANT PROGRAMS
COUNTERMINE
CAMOUFLAGE LEAD LAB
ELECTRIC POWER GENERATION AND DISTRIBUTION
TACTICAL BRIDGING
PHYSICAL SECURITY

...FUNCTIONS/EQUIPMENT/CAPABILITIES
RADIO FREQ ANECHOIC CHAMBER,MINE DET FIELD TEST FAC,MINE NEUTRALIZATION LAB,VEH AUTOMATIC CLASS AND IDENT SIMULATOR,DATA COLLECTION VAN,SIMULATE BRAKE TEST UNIT,COMBUSTION LAB,HI PRESSURE AIR COMP TEST FAC,BRIDGE TEST FAC,FUELS HNDLG AND SURVEILLANCE FAC,POL ANALYSIS LAB,RAIL HUMP TEST FAC ,PWR GEN TEST FAC,GEN RELIABILITY TEST FAC,SIMULATED FREE FIELD SOUND CHAMBER,ELECTROMAGNETIC INTERFERENCE SHIELD ENCL,BATT TEST FAC,SURFACE CHEM RSCH FAC,THYRISTOR TEST FAC,SUPERCONDUCTING THIN FILM FAC,HI MAGNETIC FIELD TEST FAC,AC LAB,HUMAN FACTORS LAB,NOISE MEAS AND ANALYSIS, COMPUTER CENTER,COMPUTER AID DESIGN AND ENGR FAC,PICTORIAL SUPPORT AND INSTR FAC,MATS RSCH,CALIBRATION FAC.MINE LAYING FAC,METAL RERAD SPT FAC, MARINE TEST FAC,MATS HDLG TEST FAC,PHYS SEC EVAL SITE,OIL/WATER POLLUTION ABATMNT LAB,CLIMATIC TEST FAC,TROP TEST FAC,DEV FAB FAC.

INSTALLATION NATICK DEVELOPMENT CENTER NATICK MASSACHUSETTS

C.O. COL RUFUS E. LESTER TECH. DIR. DR. DALE H. SIELING

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	20.175	23.246
TOTAL PROCUREMENT	1.327	0.706
TOTAL O&M	12.246	12.936
TOTAL OTHER	1.203	1.419
TOTAL ANNUAL LAB	34.951	38.307
TOTAL INHOUSE	27.906	28.074
TOTAL INHOUSE RDT&E	15.371	14.949
ANNUAL OPERATING COST	6.048	5.098

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	118	7	28	90
CIVILIAN	1189	87	447	742
TOTAL	1307	94	475	832

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
3016	550.562	65.900	412.268	1028.730	25.608	14.041

...MISSION
ACCOM ASG R-D IN THE PHYS AND BIO SCI AND ENG TO MEET MIL RQR IN THE COMMODITY AREAS OF TEX CLO BODY ARMOR ORG MATLS INSECT AND FUNG SUBS CNTRS FOOD SVC EQUIP FLD SPT EQUIP TENT AND EQUIP AND AIR DEL EQUIP. IN DESIG CMDTY AREAS PROV TECH AND ENG SPT IN CONNEC W/ACCOM OF AE AND STD

...CURRENT IMPORTANT PROGRAMS
AERIAL DELIVERY TECHNOLOGY
PERSONNEL ARMOR SYSTEMS
RADIATION PRESERVATION OF FOOD
ANALYSIS AND DESIGN OF MILITARY FEEDING SYSTEMS
FOOD PROCESSING AND PRESERVATION TECHNIQUES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
COBALT 60 IRRAD FACILITY DESIGNED FOR MAX FLEXIBILITY IN FOOD PROCESSING BACTERIOLOGY LAB EQUIP FOR INVESTIGATIONS OF PATHOGENIC MICROORGANISMS FLAME PROTECTION LAB AND FACILITY INCLUDING AN OUTDOOR FLAME PIT HIGH RESOLUTION MASS SPECTROMETER FOR ANALYSIS OF VOLATILE COMPOUNDS FOOD PROCESSING FAC FOR CONTROLLED PREPROCESSING AND PROC BY SEV TECHNI LAB SUBSONIC WIND TUNNEL CAPABLE OF VELOCITIES UP TO 110 FEET PER SEC HEAT TRANSFER LAB TO STUDY HEAT AND MASS TRANSPORT CHAR OF FABRICS ELECTRON LINEAR ACCELERATOR DESIGNED FOR HIGH POWER OUTPUT IN FOOD PROV DROP TEST FAC CONS OF 40 TON CAPACITY TRACKED CRANE AND A 50 FT BOOM DYEING AND FINISHING LAB FOR CONDUCTING STUDIES OF TEXTILES FERETRON MACHINE USED AS A RADIA SOURCE FOR PULSE RADIOLYSIS STUDIES RAIN ROOM DESIGNED TO DUPLICATE RAINFALL CORRESPONDING TO NATURAL RAIN

INSTALLATION NIGHT VISION LABORATORY FT. BELVOIR, VA.

ACT. DIR. MR. EDWARD J. SHEEHAN DEP. DIR. JOHN JOHNSON

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	39.086	42.030
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	39.086	42.030
TOTAL INHOUSE	18.238	19.450
TOTAL INHOUSE RDT&E	18.238	19.450
ANNUAL OPERATING COST	2.670	2.950

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	29	1	7	22
CIVILIAN	434	30	204	230
TOTAL	463	31	211	252

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
21	73.261	3.521	67.207	143.989	43.961	40.905

...MISSION
NVL IS RESPONSIBLE FOR PROVIDING THE ARMY WITH A NIGHT VISION CAPABILITY WITH THE GOAL OF CARRYING OUT NIGHT OPRNS WITH DAYLIGHT EFFICIENCY. THE SYS DEV PROG IS DEPENDENT ON AN NV TECHNOLOGY BASE CONCISTING OF THE DISCIPLINES OF IMAGE INTENS, FAR IR, RAD SOURCES AND VISIONICS.

...CURRENT IMPORTANT PROGRAMS
FIR COMMON MODULE FOR UNIVERSAL APPLICATIONS
VISIONICS TECHNOLOGY
MANPORTABLE NIGHT SIGHTS FOR TOW, DRAGON, NODLR AND GLLD APPLICATIONS
MASS FLIR PROGRAM
THIRD GENERATION IMAGE INTENSIFIER PROGRAM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
NVL'S MOST SIGNIFICANT FACILITY CAPABILITIES ARE AS FOLLOWS. SEMI-CONDUCTOR MATERIALS RESEARCH FACILITY, VISIONICS RESEARCH FACILITY& ELECTRO OPTICAL IMAGE TUBE FACILITIES, SEMI-CONDUCTOR LASER RESEARCH FACILITY, SURFACE RESEARCH FACILITY, SPECTROPHOTOMETRIC FACILITY, DETECTOR FABRICATION FACILITY, ELECTRONIC FABRICATION AND TEST FACILITY, CLOSED CYCLE MECHANICAL COOLER FACILITY, AND THE INFRARED TV CAMERA TUBE FACILITY.

INSTALLATION PICATINNY ARSENAL LABORATORIES DOVER, N.J.

C.O. COL K.E. LOCKWOOD TECH. DIR. MR. H.W. PAINTER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	68.000	87.315
TOTAL PROCUREMENT	51.100	69.200
TOTAL O&M	14.500	17.200
TOTAL OTHER	0.872	0.905
TOTAL ANNUAL LAB	134.472	174.620
TOTAL INHOUSE	86.872	91.153
TOTAL INHOUSE RDT&E	36.900	44.048
ANNUAL OPERATING COST	24.852	27.695

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	68	0	22	46
CIVILIAN	4286	64	1625	2661
TOTAL	4354	64	1647	2707

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
5848	605.014	643.237	2604.859	3853.110	76.657	58.748

...MISSION
CEN FOR LIFE CYCLE FUNC FOR BASIC AND APPLIED RSCH THRU DEVMT AND ENGRG OF NUC AND CONVL MUNS SUCH AS MINES,GRENS,RKT AND MSL WHDS,PROJS,FUZES, ENERGETIC MATLS, ENGRG SCIENCE,HAZARDOUS MUNS CTMS,TECH OF MFG AND PROCS PROCS ALL NUC AND ASG CONVL MUNS,DOD PLASTEC CENTER.

...CURRENT IMPORTANT PROGRAMS
PERSHINGII WARHEAD SECTION
ENERGETIC MATERIALS
PROJ 8 INCH XM753
PROJ 8 INCH HE XM650
GROUND VEHICLE DISP MINE SYSTEM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
NUC WPNS,PROTOTYPE FAB AND ASSY,AND EXPLOS AND PROP PLT PLANTS PROV COMPL INTRGED FAC FOR ASSY,INSP AND TEST OF AK AND CONVL MUNS AND COMPS AND THE MFG AND PROCING OF EXPLOS AND PROP COMP.THE EXPLOS,PYRO, PROP,MATLS AND QA LABS HAVE UNUSUAL EQUIP FOR RSCH,RELIABILITY AND QA SUCH AS BETATRON, HIGH SPEED PHOTO AND SHOCK LOAD FAC,HIGH ALT TEST CHAMBERS,ELECTROMAGNETIC RADIATION INSP ETC.THE DEVMT AND ENVIRONMENTAL TEST AND EVAL FAC HAVE MAJOR CPBLTY AS STATIC AND DYNAMIC TEST RGS,DROP TOWERS,DUD RECOVY AND DISASSEBLY,RF VULNERABILITY, COMPL ENVIRONMENTAL SIM,TARGET EFFS ETC.OTHER EQUIP INCL VIBRATORS FOR LOADS TO 2000 LB,STATIC RKT TEST RG,2540 TON HYDROSTATIC PRESS, CMPT TAPE CON MFG EQUIP,VARIETY OF FUZE EVAL EQUIP,CLOSED CIRCUIT TV, HIGH ACCEL SLED TRACK.

INSTALLATION R&D TECHNICAL SUPPORT ACTIVITY FT. MONMOUTH, N.J.

ACT. DIR. COL WILLIAM J. HART

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	9.725	10.120
TOTAL PROCUREMENT	1.205	1.300
TOTAL O&M	0.308	0.300
TOTAL OTHER	0.162	0.180
TOTAL ANNUAL LAB	10.800	11.900
TOTAL INHOUSE	10.797	11.665
TOTAL INHOUSE RDT&E	9.125	9.885
ANNUAL OPERATING COST	3.617	3.514

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	3	0	1	2
CIVILIAN	622	1	106	516
TOTAL	625	1	107	518

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
1082	31.031	35.214	166.932	233.177	38.177	6.714

...MISSION
VULNERABILITY ANALYSIS
ANTENNA MASTS AND MECHANICAL STRUCTURES
VEHICULAR MARINE CRAFT AND SHELTER INSTALLATIONS
COMPUTER AIDED DESIGN TECHNIQUES

...CURRENT IMPORTANT PROGRAMS
MECHANICAL ENGINEERING - AIRBORNE AND GROUND EQUIPMENT
VULNERABILITY ANALYSIS
ENVIRONMENTAL CRITERIA AND TEST FACILITIES
VEHICULAR MARINE CRAFT AND SHELTER INSTALLATIONS
COMPUTER AIDED DESIGN ENGINEERING AND MANUFACTURING

..FUNCTIONS/EQUIPMENT/CAPABILITIES
ELECTROMAGNETIC COMPATIBILITY FOR RFI
ENVIRONMENTAL CONTROL SYSTEMS
ENVIRONMENTAL TEST FACILITIES
MATHEMATICA COMPUTATIONS AND STATISTICS
EQUIPMENT DESIGN AND DRAFTING
SPECIFICATION ENGINEERING
AIRCRAFT VIBRATION MEASUREMENTS
COMPUTER AIDED DESIGN
MODEL SHOP FABRICATION - ALL CRAFTS
METROLOGY
TEST MEASURING EQUIPMENT CALIBRATION AND REPAIRS
COMPUTER AIDED MANUFACTURING ENGINEERING

INSTALLATION RESEARCH INST FOR BEHAVIORAL & SOCIAL SCI WASHINGTON, D.C.

C.O. COL WILLIAM C. MAUS TECH. DIR. DR. J.E. UHLANER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	13.978	16.148
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	13.978	16.148
TOTAL INHOUSE	4.725	6.764
TOTAL INHOUSE RDT&E	4.725	6.764
ANNUAL OPERATING COST	1.762	2.431

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	36	0	42	6
CIVILIAN	232	113	172	60
TOTAL	268	113	214	66

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	30.990	6.961	11.179	49.130	0.123	1.664

...MISSION
RSCH AND DEV PRGMS IN BEH AND SOC SCI FOR DEPT ARMY IN IND TNG AND PERF AND IN ORG SYS.PRGMS INCL RSCH: TO IMPRV TRNG AND TO INCR CAP OF SOL TO RSLVE PERS-INTRPERS PROBS,TO IMPRV DISTR MNPWR,ENHANCE EFF OF GRPS IN CMD-CNTRL,IMPRV PERF OF GRPS IN MIL SYS THRU ORG DEV,IMRRV UNIT LDRSHP

...CURRENT IMPORTANT PROGRAMS
RSCH SUPPORTING O.P.M.S. TO IMPROVE OFFICER ACCESSION RETEN LDRSHP UTIL
RSCH SUPPORTING E.P.M.S. TO IMPROVE ENL PERS RESC FOR QUAL SEL RETN UTL
RSCH TO IMP TRNG IN UNITS, TRNG METH, ALT TRNG MGT, IMP SUPP, EVAL PROC
RSCH ON HUM PERF IN FLD OPS, TANK OPS, ACQ DEVICES, CMD/CNTRL CMBT RDNS
RSCH ON HUM FACT IN INTEG BTLFLD SYS, ADAPT CMPTR TECH TO TACT INFO UTL

...FUNCTIONS/EQUIPMENT/CAPABILITIES
EIGHT CONUS FIELD UNITS PLUS ONE EACH IN EUROPE AND KOREA AND LIAISON OFFICES AT TRADOC AND IN LONDON SUPPORT THE IN-HOUSE RSCH PRGM MANAGED BY TWO LABORATORIES WITHIN WHICH ARE 7 TECH AREAS, MANPOWER DEV AND UTILIZATION 2 IND TRNG AND PERF EVAL 3 SOCIAL PROCESSES 4 UNIT TRNG AND EVAL SYSTEMS 5 BTLFLD INFO SYS 6 EDUC TECH AND TRNG SIM 7 HUMAN ADAP TABILITY & ORG EFFECTIVENESS. IN-HOUSE EXPERIMENTAL FACILITIES INCLUDE 6 LABORATORY AREA. AN ARMY-OWNED IN-HOUSE COMPUTER PERMITS WITHIN THE LABORATIES REAL-TIME EXPERIMENTATION. ADDITIONAL TERMINAL LINES TO EXTERNAL COMPUTER INCREASE DATA STORAGE AND PROVIDE FLEXIBILITY. EXPERMENTAL PROGRAM PERMITS WIDE RANGE OF LABORATORY OPERATIONS TO TEST HUMAN PERFORMANCE HYPOTHESES UNDER SIMULATED TACTICAL CONDITIONS

INSTALLATION RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE NATICK, MASS.

C.O. COL LEROY G. JONES

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	3.337	3.471
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.918	1.073
TOTAL ANNUAL LAB	4.255	4.544
TOTAL INHOUSE	4.255	4.544
TOTAL INHOUSE RDT&E	3.337	3.471
ANNUAL OPERATING COST	0.987	1.099

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	83	18	50	33
CIVILIAN	85	20	41	44
TOTAL	168	38	91	77

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
4	60.421	18.563	28.647	107.631	3.663	2.209

...MISSION
CONDUCTS RSCH ON HOW HEAT, COLD, HIGH TERR ALT AND WORK AFF LIFE PROCESSES, PERF, AND HLTH OF SOLDIER. CDT CONT RSCH IN PHYSIOLOGICAL ASP AND HLTH EFF OF ARMY PHYS FIT . PROV TECH ADV AND CONSULT SVCS TO ARMY CMDRS IN SPT OF ARMY PREVENTIVE MEDICINE PRGM.

...CURRENT IMPORTANT PROGRAMS
PREVENTION AND TREATMENT OF DISABILITIES DUE TO MIL OPERATIONS IN EXTREME ENVIRONMENTS. PREDICTION OF LIMITS OF MIL PERF AS A FUNCTION OF ENVIRON,CLOTHING AND EQUIP. MED PROBLEMS IN MIL ARTIC OPERATIONS. BIOLOGICAL PROCESSES THAT LIMIT HEAVY PHYSICAL WORK. EVALUATION OF ARMY PHYSICAL TRAINING PROGRAMS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONDUCT RSCH AND PROVIDE GUIDANCE TO DESIGNERS, ENGRS, TACTICIANS, PLNRS AND PHYSICIANS ON MIL PERF AND CASUALTY PREVENTION AND TREATMENT IN EXTREME CLIMATES AND ENGRD ENVIRONS, ADV ON HLTH AND SAFETY IN MANEUVERS DURING HEAT, COLD OR HYPOXIC STRESS. IN HUMAN AND ANIMAL RSCH, USE APPROX 50 VOL TEST SUBJS AND EXTENSIVE CLIMATIC CHAMBERS OF USANDC PLUS MANY SMALLER CHAMBERS, ANIMAL CARE FACILITIES, ELECTRON MICROSCOPE, UNDERWATER RSCH POOL, COPPER MANIKINS, AND DIVERSE EQUIP FOR BIO CHEM, BIOPHYSICAL, MED, PHYSIOLOGICAL, PHARMACOLOGICAL, AND PSYCHOLOGICAL MEASUREMENT. FLD FACILITIES INCLUDE LABS AT PIKES PEAK, CO AND FORT WAINWRIGHT, AK.

INSTALLATION ROCK ISLAND ARSENAL LABORATORIES ROCK ISLAND, IL.

C.O. COL L.F. SKIBBIE TECH. DIR. DR. ROYCE E BECKETT

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	15.612	32.048
TOTAL PROCUREMENT	5.396	6.605
TOTAL O&M	4.245	4.245
TOTAL OTHER	0.098	0.192
TOTAL ANNUAL LAB	25.351	43.090
TOTAL INHOUSE	18.454	18.653
TOTAL INHOUSE RDT&E	10.157	10.250
ANNUAL OPERATING COST	5.887	6.146

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	12	1	6	6
CIVILIAN	746	15	256	490
TOTAL	758	16	262	496

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
18	217.384	50.257	214.591	482.232	3.788	11.971

...MISSION
ACFT WPN,INF WPN EXCL MORT & RCLS RIFLE,AD WPN & ARTY CONVL PJCTL/GDE PJCTL & H CAP BST RKT ARTY EXCL FREE RKT GM BAL MSL TGT MSL & REL LANH & GSE, ARMT TK SP ARTY CAR & PC & RECON VEH & OTH ASGD VEH, SP TOOL TEST MEASMT EQPT, TNG EQPT DVC & SIM, CLIPS LKS MAG FILL DVC, LKR & DELKR

...CURRENT IMPORTANT PROGRAMS
GUN LOW ALTITUDE AIR DEFENSE SYSTEM
HOWITZER 105MM SOFT RECOIL XM204
SQUAD AUTOMATIC WEAPON
HYDRAULIC CONSTANT RECOIL PROGRAM
ADVANCED MEDIUM CALIBER WEAPON 30MM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FAC CAPABILITY-RNG FAC PERMIT FIRING ARTY WPN OF 105MM SIZE OR SMALLER MICROWAVE SYS FOR MEAS PJCTL VEL. RNG BLDG HSG INDOOR RNG, 2 ARE 100 MTR 1 CLIMATIC CHMBR RNG 1000 IN W/ CONT HMD TEMP OF -90 PLUS 200 DEGREE F . 1000 IN WPN MT SIM RNG& ANY SA WPN THRU 40MM CAN BE FIRED, LATTER RNG 25 W,20 H,PERMITS FIRING FROM TK OR HLCPTR.PROTOTYPE SHOP IN SUPPORT OF RDTE.ACCESS TO IBM 360/65,IBM360/191,CDC 6600 AND UNIVAC 1108 COMPUTATION CENTERS DTE.
MAJOR EQUIP-ILLUSTROMAT 1200.CMPTR GRPHS.MT INSTM SYS.VAR FLEXIBILITY GUN MT.PROTOTYPE HIGH-SPEED SCNG IR RADIOMETER SYS.ARTY TEST SIMULATOR VAR ANGLE HLCPTR MT.ALPHA LUBT TESTER MODEL LTW3.MOTION TABLE FOR SMALL TURRET STBLN TESTING.HYDR FLOW SIM-HYFLOS.SMALL TURRET FIRING FIXTURE NON-FIRING AUTO AMMO LOADER FOR TANKS.THERM ENVIR SIM EQUIP FOR WPN SYS

INSTALLATION TANK-AUTOMOTIVE LABORATORIES WARREN, MI.

C.O. MG C.M. MCKEEN DIR. RD&E COL R.E. PHILIPP

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	27.738	24.717
TOTAL PROCUREMENT	11.529	36.079
TOTAL O&M	6.478	12.966
TOTAL OTHER	0.176	0.327
TOTAL ANNUAL LAB	45.921	74.089
TOTAL INHOUSE	25.036	27.015
TOTAL INHOUSE RDT&E	13.789	12.123
ANNUAL OPERATING COST	4.269	3.676

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	23	1	11	12
CIVILIAN	898	8	385	513
TOTAL	921	9	396	525

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
125	599.743	0.000	0.000	599.743	28.470	10.600

...MISSION
RESPONSIBLE FOR RESEARCH, CONCEPT, DESIGN, DEVELOPMENT, FABRICATION, PRODUCIBILITY ENGINEERING PLANNING, SUPPORT TO PRODUCTION, FOR PRESENT AND FUTURE VEHICLES SYSTEMS AND SUB-SYSTEMS OF TANK AUTOMOTIVE MATERIAL AND ITS FURTURE SCIENCES

...CURRENT IMPORTANT PROGRAMS
AUTOMATIC TEST EQPT FOR INTERNAL COMBUSTION ENGINE POWERED MATERIAL SURVIVABILITY
HIGH MOBILITY TACTICAL VEHICLE SYSTEMS
HYBRID ENGINE DEVELOPMENT
RIVERINE RESEARCH

...FUNCTIONS/EQUIPMENT/CAPABILITIES
VEHICLE BRAKE DYNAMOMETER
VEHICLE SUBSYSTEM INTEGRATION
ANALYTICAL PREDICTION OF MILITARY VEHICLE PERFORMANCE
VEHICLE MOTION SIMULATOR
RIVER SIMULATOR FACILITY AND LAND LOCOMOTION SOIL BINS
MINE PROTECTION
VEHICLE SIGNATURE PROGRAM
VALIDATION OF THE AMC MOBILITY MODEL
SIX DEGREE OF FREEDOM SIMULATOR
METAL ANAL WITH MICROPROBE ELECTRON MICROSCOPE ANALYZER AND TECHNIQUES
DEVELOPMENT OF IMPROVED ARMOR WELDING AND FABRICATION
LOW TEMPERATURE, SHOCK AND VIBRATION TEST FACILITIES

INSTALLATION TROPIC TEST CENTER FT. CLAYTON, C.Z.

C.O. COL ARNOLD M. SARGENT TECH. DIR. MR. FRANK S. MENDEZ

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	2.482	1.918
TOTAL PROCUREMENT	0.019	0.081
TOTAL O&M	0.001	0.000
TOTAL OTHER	2.073	1.181
TOTAL ANNUAL LAB	4.575	3.180
TOTAL INHOUSE	4.575	3.180
TOTAL INHOUSE RDT&E	2.482	1.918
ANNUAL OPERATING COST	0.613	0.582

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	87	0	19	68
CIVILIAN	65	5	13	52
TOTAL	152	5	32	120

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
18870	12.565	30.622	148.294	191.481	1.033	2.130

...MISSION
PLAN,CONDUCT, AND REPORT ON ENVIRONMENTAL PHASES OF DEVELOPMENT TEST II, AND OTHER DEVELOPMENTAL TYPE TESTS. PROVIDE ADVICE AND GUIDANCE ON TEST AND EVALUATION MATTERS TO MATERIEL DEVELOPERS, MATERIEL PRODUCERS, OTHER SERVICES, AND PRIVATE INDUSTRY.

...CURRENT IMPORTANT PROGRAMS
AMATEX PVS4, PA57.
NIGHT VISION SIGHTS PA57.
ROCKET INCENDIARY 66MM.
PSYCHO-PHYSICAL MEASUREMENT TECHNIQUES (ILIR)
TEST METHODOLOGY AND INSTRUMENTATION R&D PROGRAMS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TEST FACILITIES AND LABORATORIES WITH INSTRUMENTS AND EQUIPMENT FOR CONDUCTING TROPIC TESTS OF DOD MATERIEL IN THE NATURAL ENVIRONMENT& TEST ENGINEERING, HUMAN FACTORS, CHEMICAL, MICROBIOLOGICAL, MATERIALS, SOILS, CALIBRATION, PHOTO AND NIGHT VISION SENSOR/OPTICAL LABORATORIES. FIRING RANGES UP TO 105 MM CALIBER, NATURAL TERRAIN MOBILITY COURSES, AMMO TEST STORAGE AND FUNCTIONING AREAS, JUNGLE GRASS AND COASTAL MATERIEL. MATERIEL EXPOSURE SITES, JUNGLE RADIO RANGING SITES, POL TANK FARM, MAN-PACK PORTABILITY COURSE, CALIBRATED SEISMIC DETECTION AND CHEMICAL TEST GRIDS& 18,000 ACRES OF BROADLEAF EVERGREEN TREES, SEMIDECIDUOUS TREES, MARSHLAND, GRASSLAND, CORAL REEFS, FLAT AND HILLY TERRAIN AND ALL TYPES OF TROPIC VEGETATION.

INSTALLATION US ARMY RESEARCH OFFICE RSCH TRIANGLE PARK,NC

C.O. COL LOTHROP MITTENTHAL TECH DIR HERMANN R. ROBL

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	17.968	18.963
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.193	0.200
TOTAL OTHER	1.901	1.859
TOTAL ANNUAL LAB	20.062	21.022
TOTAL INHOUSE	0.467	0.359
TOTAL INHOUSE RDT&E	0.000	0.000
ANNUAL OPERATING COST	2.409	2.717

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	16	1	14	2
CIVILIAN	82	21	23	59
TOTAL	98	22	37	61

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
10	0.000	19.000	3.106	22.106	0.000	280.000

...MISSION

MSN-TO MANAGE THAT PORTION OF THE ARMYS RSCH PROG RELEVANT TO ARMY MSNS IN MATH AND THE PHYS, ENGR, ENVIRONMENTAL, AND LIFE SCIS ACCOMP THROUGH CONT AND GRANTS WITH EDUC INSTITS, RSCH INSTITS AND GOVT AND INDUS LABS AND TO REPRESENT THE RESEARCH INTERESTS OF THE ARMY OVERSEAS

...CURRENT IMPORTANT PROGRAMS

...FUNCTIONS/EQUIPMENT/CAPABILITIES

INSTALLATION WALTER REED ARMY INSTITUTE OF RESEARCH WASHINGTON, D.C.

C.O. COL EDWARD L. BUESCHER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	13.870	14.909
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	2.735	2.495
TOTAL OTHER	4.845	5.242
TOTAL ANNUAL LAB	21.450	22.646
TOTAL INHOUSE	21.450	22.646
TOTAL INHOUSE RDT&E	13.870	14.909
ANNUAL OPERATING COST	3.762	3.710

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	456	155	448	8
CIVILIAN	537	73	560	23
TOTAL	993	228	1008	31

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
206	389.300	58.600	0.000	447.900	0.000	16.349

...MISSION
CONDUCTS RSCH IN COMMUN DIS AND IMMUN, CBT SURG, CBT PSY, GI AND RENAL DIS, HEMATOLOGY, BIO EFF OF MICROWAVE IRRADIATION. PLNS AND CONDUCTS GRAD EDUC PRGMS AS DIR BY TSG, UNDERGRAD AND ON JOB TNG FOR SELECTED PERS. PROV CMD CONTROL AND TECH SPT FOR COLLAB RSCH STUD PERF WRAIR, SFA.

...CURRENT IMPORTANT PROGRAMS
TO DISCOVER EFFECTIVE PREVENTIVE AND TREATMENT AGENTS FOR CONTROL OF DRUG REFRACTORY MALARIA. TO DEVELOP MODES FOR CONTROL OF MENINGOCOCCAL AND OTHER RESPIRATORY DISEASES OF RECRUITS. TO DEFINE THE ECOLOGY OF DRUG ABUSE IN SOLDIERS. MOLECULAR PHARMACOLOGY STUDIES OF CHEMOTHERAPEUTIC DRUGS. DEVELOP IMPROVED SURGICAL MANAGEMENT OF COMBAT CASUALTIES.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
RESEARCH, TEACHING AND REFERENCE LABORATORY SERVICES SUMMARIZE MAJOR FUNCTIONS IN AREAS OF PREVENTIVE MEDICINE, INFECTIOUS DISEASES, SURGERY, NEUROPSYCHIATRY RELATED DISEASES, INTERNAL MEDICINE, MEDICAL CHEMISTRY, AND BASIC MEDICAL SCIENCES. HIGHLY SOPHISTICATED MEDICAL EQUIPMENT IN ALL AREAS OF INVESTIGATION, ELECTRON MICROSCOPES, AUTOMATED CHEMICAL ANALYSIS SYSTEMS, CHEMICAL TYPEWRITERS, BEHAVIORAL RESEARCH INSTRUMENTATION, MICROWAVE EXPOSURE CHAMBERS. WRAIR MAINTAINS LABORATORY AND RSCH FACILITIES AT FT MEADE, MD, EDGEWOOD ARSENAL, MD, SEATO HQ BANKOK, THAILAND, BRAZIL, PANAMA, MALAYSIA, AND KENYA.

INSTALLATION WHITE SANDS MISSLE RANGE WHITE SANDS MR, N.

C.O. MG ORVILLE L. TOBIASON TECH. DIR. DR. RICHARD H. DUNCAN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	89.654	96.811
TOTAL PROCUREMENT	3.890	4.024
TOTAL O&M	2.893	2.939
TOTAL OTHER	13.217	18.498
TOTAL ANNUAL LAB	109.654	122.273
TOTAL INHOUSE	85.877	94.146
TOTAL INHOUSE RDT&E	69.564	76.377
ANNUAL OPERATING COST	54.651	56.354

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	861	0	338	523
CIVILIAN	3991	25	961	3030
TOTAL	4852	25	1299	3553

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
4476173	1450.857	546.266	2834.195	4731.318	174.601	160.408

...MISSION
MISSION-OPERATE A NATIONAL MISSILE RANGE FOR SUPPORT OF ALL APPROVED MISSILE AND RELATED TEST PROGRAMS. INDEPENDENTLY TEST AND EVALUATE ARMY MISSILE AND ROCKET SYSTEMS. ENGINEER AND DEVELOP RANGE INSTRUMENTATION SYSTEMS FOR GATHERING TEST DATA.

...CURRENT IMPORTANT PROGRAMS
PULSE-DOPPLER RADAR APPLICATIONS. DISTANT OPTICAL ATTITUDE MEASURING SYSTEM. USE OF GEOS C SATELLITE TO CALIBRATE RADARS.
LASER RANGING AND TRACKING SYSTEM. TESTING OF DRONE FORMATION CONTROL SYSTEM FOR MULTIPLE ENGAGEMENT AIR DEFENSE.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
GROUND AND FLIGHT SAFETY. OBTAINING FLIGHT TRAJECTORY AND EVENT DATA. RECOVERING MISSILES OR PORTIONS THEREOF. REDUCING AND PUTTING INTO READABLE FORMS DATA COLLECTED BY RANGE INSTRUMENTS. ENGINEERING AND DEVELOPMENT OF RANGE INSTRUMENTATION. INDEPENDENTLY TEST AND EVALUATE ARMY WEAPONS SYSTEMS.
EVALUATE GUIDANCE AND CONTROL SYSTEMS, STRUCTURAL INTEGRITY, PROPULSION SYSTEMS, ELECTROMAGNETIC RADIATION EFFECTS. ANALYSIS OF CHEMICAL AND METALLOGRAPHIC EFFECTS, MICROBIOLOGICAL EFFECTS, CLIMATIC ENVIRONMENTAL EFFECTS. TEST AND EVALUATE WARHEADS AND SPECIAL WEAPONS. WEAPONS SIMULATION. NUCLEAR EFFECTS TESTING. SOLAR FURNACE. COUNTER-COUNTER MEASURES TESTING. ELECTRONIC AND OPTICAL TRACKING SENSORS AND DATA TRANSMISSION REQUIRED TO PROVIDE TEST DATA ON MISSILES AND RELATED PROGRAMS.

INSTALLATION YUMA PROVING GROUND YUMA, ARIZONA

C.O. JERRY M. BUNYARD TECH. DIR. RICHARD M. MILLER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	16.702	16.249
TOTAL PROCUREMENT	4.790	3.067
TOTAL O&M	1.102	0.855
TOTAL OTHER	7.321	7.780
TOTAL ANNUAL LAB	29.915	27.951
TOTAL INHOUSE	28.190	25.654
TOTAL INHOUSE RDT&E	16.702	16.249
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	381	0	51	330
CIVILIAN	769	0	109	660
TOTAL	1150	0	160	990

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
870207	170.145	74.675	1196.648	1441.468	37.259	73.131

...MISSION
PLAN,CONDUCT,SPT ET AIR DEL EQUIP,L-RNGE TUBE ARTY,ACRFT WPNS SYS
PLAN,CONDUCT,RPT DESERT ENV TEST SUPPORT ARCTIC ENV TESTS
PROVIDE TEST,EVAL ADVICE,GUIDANCE TO MAT DEVEL,PROD,PRIV INDUSTRY
CONDUCT OTHER TESTS AND EVAL AS DIRECTED BY CDR,TECOM

...CURRENT IMPORTANT PROGRAMS
AMATEX-20 EXPLOSIVE FILLER
HOWITZER 155MM XM198
RETREAD TIRE PROGRAM
MECH INF COMBAT VEH (MICV)
IMP COBRA ARM SYST (ICAS)

...FUNCTIONS/EQUIPMENT/CAPABILITIES
INSTRUMENTED ARTY RANGE
VEHICLE MOBILITY TEST RANGES AND FACILITY
INSTRUMENTED ACRFT ARMAMENT RANGE
REAL TIME CINETHEODOLITE SYSTEM
LASER RANGE TRACKER
POSITION LOCATING DATA COMMUNICATION SYSTEM
INSTRUMENTED DROP ZONES
ENGINEERING TEST FACILITY
INSTRUMENTION CALIBRATION FACILITY
SCIENTIFIC COMPUTER CENTER
ENVIRONMENTAL TEST FACILITIES
WEAPONS EVALUATION FACILITY

INSTALLATION ATLANTIC FLEET WEAPONS TRAINING FACILITY R OOSEVELT ROADS P.R.

C.O. CAPT R B ROBINSON

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.130	0.465
TOTAL PROCUREMENT	3.800	6.600
TOTAL O&M	5.159	5.844
TOTAL OTHER	1.334	3.680
TOTAL ANNUAL LAB	10.423	16.589
TOTAL INHOUSE	6.452	7.617
TOTAL INHOUSE RDT&E	0.130	0.465
ANNUAL OPERATING COST	1.146	1.260

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	95	0	19	76
CIVILIAN	33	0	15	18
TOTAL	128	0	34	94

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1704	0.000	13.785	142.897	156.682	123.200	83.850

...MISSION
TO OPERATE,MAINTAIN AND DEVELOP WEAPONS RANGE FACILITIES AND SERVICES IN DIRECT SUPPORT OF THE TRAINING OF FLEET FORCES AND OTHER ACTIVITIES AND FOR THE DEVELOPMENT TEST AND EVALUATION OF NAVAL WEAPONS SYSTEMS.

...CURRENT IMPORTANT PROGRAMS
T/S90 TECHEVAL OF MK92 FIRE CONTROL AND MK75 GUN MOUNT
DD963 CLASS POST DELIVERY TESTING
GIP GUNNERY IMPROVEMENT PROGRAM
D/S569 TEST OF MK45 MOD 0 TARGET DETECTION DEVICE IN STANDARD MISSILES
FS11 TEST OF TERRIER MISSILE FIRE CONTROL SYSTEM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
COMPLETELY CENTRALIZED COMMAND/CONTROL OF THE NAVY'S LARGEST INSTRUMENTED OPEN RANGE WITH NTDS LINKING, TELEMETRY,RADAR COVERAGE,LARGE SCREEN CONTROL/DISPLAY AND EVENT RECONSTRUCTION. TARGET PRESENTATION VIA AIR LAUNCH,GROUND AND REMOTE CONTROLLED AT-SEA PLATFORM. ELECTRONIC WARFARE THREAT SIMULATORS PROVIDING INTEGRATED EW ENVIRONMENT TO TRAINING OPS.AIR TO GROUND AND NAVAL GUNFIRE TARGET FACILITIES,WITH AIRCRAFT PROFILE TRACKING FOR OVER SHOULDER DROPS.15 SQ.M. 3D UNDERWATER RANGE AT ST. CROIX.TORPEDO SHOP.AT SEA OPS AREAS OF 300X600NM AND 200X400NM. AREA FREQUENCY COORD. NAVSTA SUPPORT PROVIDES FOR DEEP WATER ANCHORAGE, SHIPS LOGISTICS SUPPORT,100 TON CRANE,TRB'S,YFU,PIERS TO ACCOMODATE ALL SHIP TYPES,BCQ,BEQ,TRANSIENT AIRCRAFT FAC,AIMD.

INSTALLATION CIVIL ENGINEERING LABORATORY PORT HUENEME CA

C.O. CDR N.W. PETERSEN TECH. DIR. WM F. BURKARTRKART

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	9.681	11.410
TOTAL PROCUREMENT	0.260	0.360
TOTAL O&M	1.201	1.090
TOTAL OTHER	2.125	1.105
TOTAL ANNUAL LAB	13.267	13.965
TOTAL INHOUSE	10.883	10.347
TOTAL INHOUSE RDT&E	7.839	8.239
ANNUAL OPERATING COST	1.925	2.303

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	15	1	8	7
CIVILIAN	307	28	154	153
TOTAL	322	29	162	160

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
22	120.352	23.977	31.548	175.877	2.055	2.780

...MISSION
MISSION OF LABORATORY IS TO BE THE PRINCIPAL NAVY RDT&E CENTER FOR SHORE AND OCEAN BASED TIES AND THE MARINE CORPS CONSTRUCTION FORCES.

...CURRENT IMPORTANT PROGRAMS
NAVY SHORE FACILITIES SUPPORT. NAVY SEAFLOOR INSTALLATIONS. AMPHIBIOUS & ADVANCED BASE TECHNOLOGY. ENVIRONMENTAL PROTECTION. ORGANIC MATERIALS. ENERGY TECHNOLOGY. DEEP OCEAN TECHNOLOGY. DEVELOPMENTS ASSIGNED BY SUPT OF SALVAGE. INDEPENDENT EXPLORATORY DEVELOPMENT. INDEPENDENT RESEARCH. CONTAINER OFF-LOADING TRANSFER SYSTEM (COTS). MARINE CORPS. ARMY.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PRESSURE VESSEL FACILITY WITH 72-INCH-10 BY 10 FT DEEP PRESSURE VESSEL SUSTAINING PRESSURES UP TO 5500 PSI. DIVING LOCKER & EQUIPMENT FOR 10 DIVERS. SEAFLOOR SOILS, MATERIALS,SOLID STATE, METALURGICAL, PHOTOELASTIC, SNOW AND ICE LABORATORIES, WARPING TUG, CORER FOR TAKING SAMPLE AT WATER DEPTHS TO 6000 FT., INSTRU TESTING EQUIPMENT FOR DEEP OCEAN INCLUDING A VANE SHEAR DEVICE CONE PENETOMETER. 10 FT. CORER PLATE BEARING TEST DEVICE & FOUNDATION MONITOR. PHOTOGRAPHIC FACILITY, ENVIRONMENTAL PROTECTION MONITORING CAPABILITY. CDC 8090 COMPUTER/TERMINAL WITH A HIGH SPEED READER & LINE PRINTER. DIGITAL MAG TAPE T/O ANALOG TAPE. ADC & DAC CONVERSION & A PEN PLOTTER & TIE WITH CDC-6600.

INSTALLATION ENVIRONMENTAL PREDICTION RESEARCH FACILITY MONTEREY, CA.

C.O. CAPT R.C. SHERAR

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	2.022	2.302
TOTAL PROCUREMENT	0.055	0.055
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.270	0.263
TOTAL ANNUAL LAB	2.347	2.620
TOTAL INHOUSE	1.312	1.477
TOTAL INHOUSE RDT&E	1.048	1.226
ANNUAL OPERATING COST	0.170	0.198

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	19	0	6	13
CIVILIAN	33	4	29	4
TOTAL	52	4	35	17

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	3000.180	8000.501	20010.490	31011.171	0.000	0.086

...MISSION
CONDUCT RESEARCH AND DEVELOPMENT DIRECTED TOWARDS PROVIDING OBJECTIVE LOCAL, REGIONAL AND GLOBAL ENVIRONMENTAL ANALYSIS AND PREDICTION TECHNIQUES& AND PROVIDE PLANNING, MODELING AND EVALUATION SERVICES FOR DETERMINING THE ENVIRONMENTAL EFFECTS ON NAVAL WEAPONS SYSTEMS.

...CURRENT IMPORTANT PROGRAMS
IMPROVED TECHNIQUES FOR APPLICATIONS OF ENVIRONMENTAL SATELLITE DATA
IMPROVED NUMERICAL MODELS OF THE ATMOSPHERE
SEA-AIR INTERATION AND COUPLE MODELS DEVELOPMENT
NUMERICAL TROPICAL CYCLONE MODEL
REFRACTIVE INDEX INVESTIGATIONS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CDC 3100 COMPUTER AND PERIPHRAL EQUIPMENT
CDC 200 USER TERMINAL.
NAVAL ENVIRONMENTAL DISPLAY SYSTEM, NEDS
SEAIDS DISPLAY SYSTEM
IN-HOUSE DOCUMENTATION FACILITIES (MTST, PLATE MAKER, OFF SET PRESS,ETC.
SATELLITE ANALYSIS PHOTOGRAPHIC LABORATORY
22000 VOLUME TECHNICAL LIBRARY OF ENVIRONMENTAL PUBLICATIONS
IN-HOUSE GRAPHIC ARTS AND DRAFTING FACILITIES
CALCOMP 265 PLOTTER

INSTALLATION NATIONAL PARACHUTE TEST RANGE EL CENTRO CA

C.O. CAPT R.S. CHEW,JR TECH. DIR. DR. H.C. FISH

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	7.358	9.088
TOTAL PROCUREMENT	0.582	0.638
TOTAL O&M	1.092	0.790
TOTAL OTHER	4.495	6.365
TOTAL ANNUAL LAB	13.527	16.881
TOTAL INHOUSE	12.785	14.606
TOTAL INHOUSE RDT&E	6.779	8.391
ANNUAL OPERATING COST	6.771	8.905

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	279	3	28	251
CIVILIAN	323	0	28	295
TOTAL	602	3	56	546

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
484608	6.400	56.670	1142.407	1205.477	33.643	14.980

...MISSION
TO PROVIDE RANGE SUPPORT FOR THE DOD, DESIGNATED GOVT AGENCIES, AND OTHER APPROVED USERS.NAVAERORECOVFAC-RDTE OF PARACHUTES,ESCAPE METHODS,RESCUE,SURVIVAL,PERS SAFETY EQUIP AND SPECIAL AERIAL DELIVERY METHODS. NAF-TO MAINTAIN AND OPERATE FACILITIES IN SUPPORT OF NPTR.

...CURRENT IMPORTANT PROGRAMS
PHYSIOLOGICAL RESEARCH
AIRSAFE - INCREMENT 1
MANSAFE - INCREMENT 2
SEU-3A/TAV-8A ESCAPE SYSTEM
ADVANCED FIRE RESISTANT CANOPY

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DROP TEST RANGE-LAND AND SALT WATER-INSTRUMENTED-SPACE POSITIONING-LONG RANGE PHOTOGRAPHIC CAPABILITY-CLOSED CIRCUIT TELEVISION COVERAGE-TELEMETRY-DATA PROCESSING-RAWIN-WHIRL TEST TOWER-DROP TEST TOWER-RANGE PARAMETERS SEA LEVEL TO 80000FT-SPEED 0 TO MACH 3. ENGINEERING SERVICES-EXPLORATORY DEVELOPMENT,ADVANCED AND BASIC DESIGN,IN-SERVICE AND TEST ENGINEERING,MATERIALS TESTING LABORATORY WITH TEXTILE AND OTHER MATLS TESTING EQUIP AND EXPERTISE,ENVIRONMENTAL ACCELERATION EQUIP-TENSILE TEST TO 120000 LBS. PHYSIOLOGICAL EVALUATION EQUIPMENT, PHOTO LAB WITH STILL AND MOTION PICTURE CAPABILITY-16MM-70MM COLOR UP TO 5000 FPS. A/C SUPPORT-LOW TO HIGH SPEED VEHICLE DELIVERY,AIR-TO-AIR PHOTO COVERAGE, EJEC SEAT TEST BED, PERS AND SIMUL WPN DELIVERY, INDUSTRIAL SHOPS,PROTOTYPE PARACHUTE AND HARDWARE FABRICATION, MACH SHOP, MODEL MAKING.

INSTALLATION NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY PENSACOLA, FL.

C.O. CAPT N.W. ALLEBACH TECH. ADV. DR. A. GRAYBIEL

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	4.640	4.255
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.506	0.572
TOTAL ANNUAL LAB	5.146	4.827
TOTAL INHOUSE	5.146	4.827
TOTAL INHOUSE RDT&E	4.640	4.255
ANNUAL OPERATING COST	0.808	0.856

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	54	15	23	31
CIVILIAN	115	16	53	62
TOTAL	169	31	76	93

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	159.496	21.502	6.555	187.553	2.830	2.842

...MISSION
CONDUCT RESEARCH DEVELOPMENT TEST AND EVALUATION IN AEROSPACE MEDICINE AND RELATED SCIENTIFIC AREAS APPLICABLE TO AEROSPACE SYSTEMS.

...CURRENT IMPORTANT PROGRAMS
PHYSIOLOGICAL EFFECTS OF NONIONIZING RADIATION
HUMAN DYNAMIC RESPONSE TO IMPACT ACCELERATION AND VIBRATION
PREVENTION OF DISORIENTATION AND VESTIBULAR DISTURBANCES IN FLIGHT
AVIATION PERSONNEL PROCUREMENT SELECTION AND RETENTION
VISUAL TARGET ACQUISITION

...FUNCTIONS/EQUIPMENT/CAPABILITIES :
NONIONIZING RADIATION FACILITY WITH MICROWAVE AND EXTREMELY LOW FREQUENCY. IMPACT ACCELERATION FACILITY WITH 225000 LB THRUST HORIZONTAL ACCELERATOR AND 2 SLEDS MAX 200G AND 35G. 40000 LB THRUST VERTICAL ACCELERATOR WITH 300 FPS X-RAY CINEMOTOGRAPHY DEVICE. VIBRATION SHAKER 28000 LB THRUST.EQUIPPED FOR HUMAN AND ANIMAL EXPERIMENTS IN UNUSUAL FORCE ACOUSTICAL,ELECTROMAGNETIC AND ATMOSPHERIC ENVIRONMENTS. VIVARIUM WITH OPERATING SUITE. DEVELOP TESTS FOR PSYCHOLOGICAL APTITUDES AND TOLERANCE TO STRESS. SLOW ROTATION ROOM&CORIOLIS ACCELERATION PLATFORM. HUMAN DISORIENTATION DEVICE&STILLE-WERNER CHAIR&OFF VERTICAL ROTATING CHAIR. SUPER CONDUCTING MAGNET. ANACHOIC CHAMBER. REVERBERANT CHAMBER. LOW PRESSURE CHAMBER. PERIODIC ANGULAR ROTATOR. ELECTRIC POSTURE TABLE. ECHOCAPDIOGRAPH. ELECTRON MICROSCOPE. BALLISTOCARDIOGRAPH. VECTORCARDIOGRAPH&XRAY

INSTALLATION NAVAL AIR DEVELOPMENT CENTER JOHNSVILLE, PA.

C.O. CAPT G. YOWELL TECH. DIR. MR. R.K. LOBB

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	89.315	98.696
TOTAL PROCUREMENT	33.841	33.363
TOTAL O&M	13.589	12.964
TOTAL OTHER	4.028	5.002
TOTAL ANNUAL LAB	140.773	150.025
TOTAL INHOUSE	59.967	67.768
TOTAL INHOUSE RDT&E	43.564	46.355
ANNUAL OPERATING COST	20.054	23.267

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	303	3	73	230
CIVILIAN	2408	31	1111	1297
TOTAL	2711	34	1184	1527

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
750	833.000	43.000	451.000	1327.000	25.320	40.323

...MISSION
TO BE THE PRINCIPAL NAVY RDT&E CENTER FOR NAVAL AIRCRAFT SYSTEMS

...CURRENT IMPORTANT PROGRAMS
TACTICAL SUPPORT CENTER
P-3C, S-3A, F-14 & NACF, WEAPON SYSTEMS
LIGHT AIRBORNE MULTI-PURPOSE SYSTEMS
ADVANCED SIGNAL PROCESSOR
AIRCREW LIFE SUPPORT SYSTEMS, PROTECTIVE CLOTHING & DEVICES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
AIRCRAFT SYSTEMS SIMULATION, AIRBORNE SEARCH & RESCUE, INERTIAL NAVIGATION TECHNOLOGY, AIR VEHICLE TECHNOLOGY (STRUCTURES, MATERIALS, FLIGHT DYNAMICS, PERFORMANCE, FLIGHT CONTROL) AIRBORNE ASW SYSTEMS, DEVELOP & INTEGRATION OF AIRBORNE SYSTEMS INCLUDING ELECTRONIC SURVEILLANCE AND COUNTERMEASURES, COMMUNICATIONS, NAVIGATION INFORMATION PROCESSING & DISPLAY, ENVIRONMENTAL SENSING (ELECTROMAGNETIC/MAGNETIC, ACOUSTIC, ELECTRO-OPTIC AND PHOTOGRAPHIC), A/C SUPPORT SYSTEMS, A/C COST METHODOLOGY AND LOGISTICS, AEROSPACE MEDICINE AND AVIATION PHYSIOLOGY AND SUPPORT TO OTHER ACTIVITIES AS DIRECTED

INSTALLATION NAVAL AIR ENGINEERING CENTER LAKEHURST, NJ

C.O. CAPT. R. R. GRAYSON TECH. DIR. CAPT J.H. HOGANSON

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	20.880	19.079
TOTAL PROCUREMENT	35.806	43.000
TOTAL O&M	22.247	18.420
TOTAL OTHER	5.974	1.828
TOTAL ANNUAL LAB	84.907	82.327
TOTAL INHOUSE	41.382	48.581
TOTAL INHOUSE RDT&E	18.768	17.147
ANNUAL OPERATING COST	9.509	8.497

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	234	4	40	194
CIVILIAN	1667	2	383	1284
TOTAL	1901	6	423	1478

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
74160	247.984	109.771	2348.732	2706.487	81.061	16.488

...MISSION
CNDCT PRGMS OF RSRCH, ENGR, DEV, DEV TEST,SYS INTGRTN, LTD PROD, PROC & FLT ENGR SUPRT IN& A/C LAUNCH,RCVRY, & LNDG AID SYS, & GRD SUPRT EQUIP FOR A/C & ARBRN WPN SYS. SUPRT DOD STD & SPEC PRGMS. PRVD AVIATN & OTHER FACLTS IN SUPRT OF ASSGND PRGMS & FOR OTHR ACTVS AS DSGND BY APPRD AUTH.

...CURRENT IMPORTANT PROGRAMS
HIGH CAPACITY, LIGHT WEIGHT, A/C ARRESTING GEAR DEVELOPMENT (MARK 14)
STORER ENERGY, ROTARY DRIVE, A/C LAUNCHING SYSTEMS
REMOTELY PILOTED VEHICLE LAUNCHING AND RECOVERY SYSTEMS
DEVELOPMENT OF TECHNOLOGY BASE FOR OIL ANALYSIS
DEVELOPMENT OF ELECTRIC DRIVE HYDRAULIC COMPONENT TEST STAND

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TEST FACILITIES FOR EVALUATION OF 1 TO 1/2 INCH DIAMETER WIRE ROPE AND ATTACHMENTS, DEVELOPMENT AND SERVICE LIFE SIMULATION OF HYDRAULIC, PNEUMATIC AND ELECTRICAL COMPONENTS/SUB-SYSTEMS. MOCK-UP OF AIR LAUNCHED WEAPONS HANDLING AND STOWAGE FACILITIES ON AIRCRAFT CARRIERS. AIRCRAFT CARRIER OPERATIONAL ANALYSIS ROOM FOR STUDYING SPOTTING AND SERVICING CAPABILITIES ON FLIGHT AND HANGAR DECKS. MACHINE SHOP WITH CONVENTIONAL AND AUTOMATED MACHINE TOOLS CAPABLE OF PROTOTYPE AND LIMITED PRODUCTION. VACUUM FURNACE FOR HEAT TREATING. ELECTRON BEAM WELDER. CYROGENICS FACILITY. OIL ANALYSIS LAB. NOISE MEASUREMENT LAB. ULTRASONIC CLEANING LAB. RAPID LOAD TEST MACHINE. MINI VITAL (SYSTEM SOFTWARE USED IN SUPPORT OF VAST). ELECTRIC POWER AND ELECTRONIC SUPPORT FACILITY COMPUTER TELEPROCESSING FACILITY USING TIME-SHARING CENTERS FOR ENGINEERING ANALYSIS.

INSTALLATION NAVAL AIR PROPULSION TEST CENTER TRENTON, N.J.

C.O. CAPT W.C. BENTLEY

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	16.796	18.159
TOTAL PROCUREMENT	2.843	3.714
TOTAL O&M	0.357	0.086
TOTAL OTHER	1.668	0.711
TOTAL ANNUAL LAB	21.664	22.670
TOTAL INHOUSE	13.549	11.077
TOTAL INHOUSE RDT&E	10.441	8.124
ANNUAL OPERATING COST	3.914	4.335

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	9	0	8	1
CIVILIAN	618	2	161	457
TOTAL	627	2	169	458

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
66	391.044	26.720	182.992	600.756	49.897	11.173

...MISSION
TEST & EVALUATE AIR BREATHING GAS TURBINE PROPULSION SYSTEMS& THEIR COMPONENTS AND ACCESSORIES AND FUEL AND LUBRICANTS& & TO PERFORM APPLIED RESEARCH AND DEVELOPMENT LEADING TO NEW PROPULSION SYSTEMS & CORRECTION OF DESIGN DEFICIENCIES AND SERVICE PROBLEMS.

...CURRENT IMPORTANT PROGRAMS
TF30-P-412 ENGINE-ARMAMENT GAS INGESTION TESTS.
T700-GE-700 ENGINE-ANTI-ICING AND CORROSION TESTS.
TF34-GE-2 ENGINE-EVALUATION WITH SHALE OIL DERIVED FUEL.
J79-GE-10/17 ENGINE-STARTING AND COMBUSTOR TESTS.
TF41-A-2 ENGINE-COMBUSTOR PROFILE TEST.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TEST CELLS FOR SIMULATING ALTITUDE AND ENVIRONMENTAL CONDITIONS OF FLIGHT-SIMULATION CAPABILITY FROM SEA LEVEL TO 100000 FEET ALTITUDE FROM MINUS 65 DEGREES TO PLUS 650 DEGREES F AND FLIGHT SPEEDS TO MACH 3 THREE LARGE ALTITUDE CELLS, TWO LARGE SEA LEVEL CELLS AND FOUR SMALL ALTITUDE CELLS CAN BE USED TO TEST ANY ENGINE ON THE NAVY DRAWING BOARD OR IN FLEET SERVICE. IN ADDITION TO TURBOJET/FAN TURBOSHAFT/PROP ENGINES NAPTC TESTS RECIPROCATING ENGINES,PROPELLERS,HELICOPTER TRANSMISSIONS, STARTERS AND AUXILIARY POWER UNITS,FUEL CONTROLS AND FLUID SYSTEM COMPONENTS. THE CENTER DOES EXTENSIVE FUEL AND OIL TESTING ON TEST RIGS AND IN LARGE CHEMISTRY LAB. CENTER ENGINEERS FORMULATE AND MANAGE THE NAVY EXPLORATORY AND ADVANCED DEVELOPMENT PROGRAMS FOR NAVAIR. NAPTC MANAGES OTHER DESIGNATED PROJECTS FOR NAVAIR.

INSTALLATION NAVAL AIR TEST CENTER PATUXENT RIVER, MD.

C.O. RADM F. TAYLOR BROWN TECH. DIR. MR. JOHN B. PARADIS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	54.616	62.196
TOTAL PROCUREMENT	17.476	20.471
TOTAL O&M	6.502	5.949
TOTAL OTHER	20.267	20.685
TOTAL ANNUAL LAB	98.863	109.295
TOTAL INHOUSE	84.306	92.146
TOTAL INHOUSE RDT&E	48.375	54.812
ANNUAL OPERATING COST	38.529	42.994

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	1510	4	293	1217
CIVILIAN	2479	4	415	064
TOTAL	3989	8	708	3281

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
6638	4.226	303.963	4713.049	5021.238	131.075	32.407

...MISSION
TEST AND EVALUATE TOTAL AIRCRAFT, THEIR MISSION SYSTEMS & ALL SUBSYSTEMS AND COMPONENTS, RELATED SUPPORT SYSTEMS AND ILS.PROVIDE TECHNICAL ADVICE AND ASSISTANCE TO NASC AND OTHERS, TO TRAIN TEST PILOTS AND TO DEVELOP AIRCRAFT TESTING TECHNOLOGY.

...CURRENT IMPORTANT PROGRAMS
TEST & EVALUATION ALL NEW AIRCRAFT AND THEIR SYSTEMS F14,S3A,E2C,P3C,A6, A7,AH1J,LAMPS,EP-3E,A6/A7 TRAM,AVCA. ALSO GROUND SUPPORT EQUIPMENT, A/C COMPUTERS & SOFTWARE, RELIABILITY & MAINTAINABILITY, HUMAN FACTORS, ELECTRONIC WARFARE CAPABILITIES, ELECTRONIC COMPATIBILITY, CARRIER SUITABILITY,ACLS. CONDUCT TECH EVAL & OIS TRIALS TRAIN TEST PILOTS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
LARGE RESTRICTED AIRSPACE REAL TIME RANGE AND AIRCRAFT TEST DATA PROCESSING CATAPULT ARRESTING GEAR ACLS ELECTROMAGNETIC SHIELDED HANGAR GUN FIRING TUNNELS ENVIRONMENTAL TESTING FACILITIES ELECTRICAL POWER AND CONTROL TESTING LABS INSTRUMENTED SONOBUOY RANGE ASW TACTICAL SUPPORT CENTER ASW SYSTEMS LABS BIOMEDICAL AND HUMAN FACTORS LABS EXTENSIVE INSTRUMENTATION DESIGN AND CONSTRUCTION FACILITIES, COMPUTER AND SOFTWARE T&E LABS, WATER EDGE LOW ELECTROMAGNETIC NOISE TEST AREA, INSTRU THEODOLITE RADAR & ECM RANGES//EXTENSIVE ELSEC & ENVIRONMENTAL BROAD BAND EM TEST RANGE, VSTOL TEST SITE, SURFACE EFFECT SHIP TEST FACILITY.

INSTALLATION NAVAL AIR TEST FACILITY (SHIP INSTALLATIONS) LAKEHURST, N.J.

C.O. CAPT F.W. HILL TECH. COORD. MR. NICHOLAS IVANOVIC

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	3.596	3.354
TOTAL PROCUREMENT	4.795	5.655
TOTAL O&M	2.711	3.983
TOTAL OTHER	4.455	1.898
TOTAL ANNUAL LAB	15.557	14.890
TOTAL INHOUSE	12.782	13.522
TOTAL INHOUSE RDT&E	0.821	1.986
ANNUAL OPERATING COST	4.749	4.729

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	108	0	10	98
CIVILIAN	382	0	76	306
TOTAL	490	0	86	404

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
4000	67.612	15.113	99.056	181.781	37.057	7.068

...MISSION
TO CONDUCT TESTS AND EVAL OF LAUNCHING, RECOVERY, AND VISUAL LANDING AIDS SYSTEMS AND RELATED EQUIPMENT. PROVIDE TEST SITES, FACILITIES, AND SUPPORT SERVICES FOR DEV TESTS OF THESE EQUIPMENTS. CONDUCT R AND D OF EQUIPMENT AND INSTRUMENTATION USED IN TEST AND EVAL OF SAID EQUIPMENT

...CURRENT IMPORTANT PROGRAMS
MK 14 ROTARY ARRESTING GEAR DEV, TECHEVAL AND OPEVAL
F14 AIRCRAFT BARRICADE EVAL
HIGH CYCLE TESTER DEV SUPPORT
HELICOPTER HAULDOWN, SECURING AND TRAVERSING DEV AND EVAL
STORED ENERGY ROTARY CATAPULT DEV SUPPORT

...FUNCTIONS/EQUIPMENT/CAPABILITIES
AIRCRAFT LAUNCHING TEST FACILITIES COMPRISED OF TC13-0 AND TC13-1 SHIPBOARD CATS / A MK 7-0, MK 4-0, AND PORTABLE JET BLAST DEFLECTORS / 2 TCE1-3 MARINE CORPS CATAPULTS. AIRCRAFT RECOVERY TEST FACILITIES INCL MK14, MK 7-3, MK 7-1 SHIPBOARD AND E-28 AND BAK-12 SHOREBASED ARRESTING GEAR AT A RUNWAY TEST SITE FOR AIRCRAFT TESTING AND MK14, MK 7-3, MK7-2, MK7-1, MK 5-3 SHBD AG AND E-28 SHOREBASED AG AND M21 MAR CORPS AG AT 5 TRACK TEST SITES. HELICOPTER AND STOL AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT TESTED AT A V/STOL SUPPORT EQUIPMENT TEST COMPLEX INCL A VISUAL LANDING AIDS LAB, ELEVATED FIXED PLATFORM, UNIVERSAL LIGHTING PAD, MAR CORPS V/STOL FWD OPER BASE. DIGITAL AND ANALOG COMPUTER FACILITY. SIX FIXED AND FIVE MOBILE HIGH SPEED DATA RECORDING SITES. INSTRUMENT SUPPORT AND PHOTO LABS. MACHINE SHOPS.

INSTALLATION NAVAL ARCTIC RESEARCH LABORATORY BARROW,AK

C.O. LTCDR SCHUMACHER TECH. DIR. DR WARREN W. DENNER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	5.968	7.226
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	2.007	0.942
TOTAL ANNUAL LAB	7.975	8.168
TOTAL INHOUSE	0.039	0.039
TOTAL INHOUSE RDT&E	0.000	0.000
ANNUAL OPERATING COST	0.325	0.350

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	2	0	1	1
CIVILIAN	0	0	0	0
TOTAL	2	0	1	1

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
4973	40.800	5.800	209.400	256.000	30.587	19.413

...MISSION
CONTINUOUSLY OPERATE A U.S. RESEARCH LABORATORY IN THE ARCTIC AND FULFIL L NAVY AND OTHER GOVT RESEARCH, PRIMARILY OCEANOGRAPHY,METORDLOGY, HYDRO ACOUSTICS,GEOPHYSICS, ATMOSHERIC PHYSICS AND BIOLOGY.

...CURRENT IMPORTANT PROGRAMS
DETERMINE EFFECT OF ARCTIC ICE OCEANOGRAPHIC PARAMETERS ON SURVEILLANCE
ICE GROWTH AND DECAY UNDER VARIOUS ATMOSPHERIC & OCEANOGRAPHIC CONDITION
DEVELOP PREDICTION CAPABILITIES FOR MAJOR ICE MOVEMENTS
DEVELOP LONG RANGE ACOUSTIC SURVEILLANCE CAPABILITIES IN THE ARCTIC
PROVIDE LOGISTICS SUPPORT FOR ON SITE INVESTIGATORS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PROVIDES FACILITIES MAINTENANCE, UTILITIES GENERATION, MOTOR VEHICLE OPERATION AND MAINT, FIRE PROTECTION, SECURITY, JANITORIAL SERVICES, COMMUNICATIONS, AIRPORT OPERATION, MEDICAL SUPPORT,FOOD SERVICE, LAUNDRY ,RECREATION & RESALE ACTIVITIES.

INSTALLATION NAVAL BIOMEDICAL RESEARCH LABORATORY OAKLAND,CA.

C.O. CDR. J. F. PRIBNOW TECH.DIR. DR N.A. VEDROS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.865	1.605
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.740	0.715
TOTAL ANNUAL LAB	2.605	2.320
TOTAL INH[illegible]E	0.566	0.591
TOTAL INHOUSE RDT&E	0.320	0.325
ANNUAL OPERATING COST	0.334	0.358

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	14	5	8	6
CIVILIAN	6	2	2	4
TOTAL	20	7	10	10

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
5	64.700	8.731	45.372	118.803	0.100	3.000

...MISSION
CONDUCTS RESEARCH IN MICROBIOLOGY AIMED AT THE PREVENTION AND CONTROL OF DISEASES OF NAVAL PERSONNEL UNDER ISOBARIC, HYPERBARIC AND HYPOBARIC CONDITIONS AS WELL AS NORMAL AND USUAL BREATHING MIXTURES.

...CURRENT IMPORTANT PROGRAMS
STUDY OF SKIN TEST FOR MENINGITIS
USING MICROORGANISMS FOR DISPOSING OF WASTE EXPLOSIVES, PRIMARILY TNT
EVALUATION OF SOLUBLE OIL FRACTIONS ON MARINE BIOTA
WORK ON SURVIVAL OF ENTEROPATHOGENS IN SEA WATER
PLAGUE VACCINE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
EQUIPMENT INCLUDES MINIATURE DEEP FREEZE AND MINIATURE FIELD INCUBATORS FOR VIRUS ISOLATION, ROTATING DRUM USED TO INVESTIGATE EFFECT OF LIGHT ON AEROSOLIZED MICROORGANISMS AND PHOTOCHEMICAL REACTION, A HYPERBARIC TEST FACILITY, MICROAEROFLUOROMETER USED TO TRACK AEROSOL CLOUDS. THE RESEARCH EQUIPMENT IS CONTINUOUSLY BEING MODIFIED AND EXPANDED IN ORDER TO MAINTAIN A LAB THAT IS RESPONSIVE TO THE TOTAL BIOLOGICAL NEEDS OF THE NAVY.

INSTALLATION NAVAL BLOOD RESEARCH LABORATORY CHELSEA, MS.

C.O. CDR CESARE R. VALERI

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.710	0.705
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.200	0.225
TOTAL ANNUAL LAB	0.910	0.930
TOTAL INHOUSE	0.910	0.930
TOTAL INHOUSE RDT&E	0.710	0.705
ANNUAL OPERATING COST	0.193	0.200

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	17	2	4	13
CIVILIAN	13	0	3	10
TOTAL	30	2	7	23

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
0	6.500	1.240	2.448	10.188	0.000	0.525

...MISSION
CONDUCT RESEARCH AND DEVELOP METHODS FOR LONG-TERM PRESERVATION OF BLOOD AND BLOOD PRODUCTS AND EVALUATION OF USEFULNESS IN OPERATIONAL AREAS ON LAND AND AT SEA AND IN HOSPITALS

...CURRENT IMPORTANT PROGRAMS
WHITE CELL- AND PLATELET-POOR RED CELLS FOR THERAPEUTIC TRANSFUSION
EVALUATE METHODS FOR REJUVENATING UNDATED AND OUTDATED RED CELLS
EVALUATE METHODS FOR PRESERVING PLATELETS AND WHITE CELLS
CLINICAL EVALUATION OF FROZEN RED CELLS AND PLATELETS
EVALUATE IMPROVED METHODS FOR PRESERVING RED CELLS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
STORAGE CAPABILITY FOR 5000 UNITS OF FROZEN BLOOD
LIQUID AND FREEZE PRESERVATION EQUIPMENT FOR RED CELLS, WHITE CELLS, PLATELETS AND PLASMA PROTEIN
EQUIPMENT TO BIOLOGICALLY EVALUATE THE VIABILITY AND FUNCTION OF RED CELLS
EQUIPMENT TO BIOLOGICALLY EVALUATE THE VIABILITY AND FUNCTION OF WHITE CELLS
EQUIPMENT TO BIOLOGICALLY EVALUATE THE VIABILITY AND FUCTION OF PLATELETS

INSTALLATION NAVAL CLOTHING AND TEXTILE RESEARCH UNIT NATICK, MS.

CDR J.P. MITTS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.710	0.691
TOTAL PROCUREMENT	0.040	0.025
TOTAL O&M	0.760	0.803
TOTAL OTHER	0.024	0.024
TOTAL ANNUAL LAB	1.534	1.543
TOTAL INHOUSE	1.534	1.543
TOTAL INHOUSE RDT&E	0.710	0.691
ANNUAL OPERATING COST	0.191	0.199

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	1	0	1	0
CIVILIAN	60	0	31	29
TOTAL	61	0	32	29

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
2	10.000	7.000	3.000	20.000	0.400	0.617

...MISSION
CONDUCT RESEARCH,DEVELOPMENT,TEST,AND EVALUATION AND GIVE ENGINEERING SUPPORT IN CLOTHING,TEXTILES,AND RELATED FIELDS ASSOCIATED WITH SERVICE CLOTHING AND ENVIRONMENTAL AND SPECIAL PROTECTIVE CLOTHING

...CURRENT IMPORTANT PROGRAMS
LIFE SUPPORT SYSTEMS PROTECTING CLOTHING
BUOYANT INTERMEDIATE-RANGE COLD-WEATHER CLOTHING
COLD-WEATHER HANDWEAR
CRASH-CREW FIRE-PROTECTING CLOTHING
PROTECTIVE COATINGS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MAJOR FUNCTIONS--
CONDUCT RDT&E IN TEXTILE MATERIALS,LEATHER,PLASTICS,AND RUBBER
DEVELOP NAVY CLOTHING,ACCESSORIES,AND RELATED ITEMS
CONDUCT STUDIES IN ENVIRONMENTAL SCIENCES AND LIFE SUPPORT SYSTEMS
PREPARE SPECIFICATIONS FOR CLOTHING,TEXTILES,FOOTWEAR AND RELATED ITEMS
COORDINATE STANDARDIZATION IN CLOTHING
PROVIDE TECHNICAL SUPPORT TO ALL DOD AGENCIES IN NAVY CLOTHING AREAS
MAJOR EQUIPMENT AND FACILITIES--
TEXTILE LABORATORIES
COLD TEST CHAMBERS
HYDRO-ENVIRONMENT SIMULATOR
HIGH INTENSITY THERMAL TEST UNIT

INSTALLATION NAVAL COASTAL SYSTEMS LABORATORY PANAMA CITY FL

C.O. CAPT R.T. QUINN TECH. DIR. MR. GERALD G. GOULD

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	17.163	23.427
TOTAL PROCUREMENT	1.114	0.109
TOTAL O&M	3.998	3.853
TOTAL OTHER	4.675	4.712
TOTAL ANNUAL LAB	26.950	32.101
TOTAL INHOUSE	18.994	23.336
TOTAL INHOUSE RDT&E	11.143	15.550
ANNUAL OPERATING COST	6.306	7.120

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	117	3	12	105
CIVILIAN	627	20	268	359
TOTAL	744	23	280	464

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
674	225.144	35.596	314.108	574.848	24.169	13.815

...MISSION
TO BE THE PRINCIPAL NAVY RESEARCH, DEVELOPMENT, TEST AND EVALUATION CENTER FOR THE APPLICATION OF SCIENCE AND TECHNOLOGY ASSOCIATED WITH MILITARY OPERATIONS CARRIED OUT PRIMARILY IN THE COASTAL REGION, AND TO PERFORM INVESTIGATIONS IN RELATED FIELDS OF SCIENCE AND TECHNOLOGY.

...CURRENT IMPORTANT PROGRAMS
MINECOUNTERMEASURES. AMPHIBIOUS AND MARINE CORPS SUPPORT. INTEGRATED SWIMMER/DIVER AND SALVAGE SUPPORT. INSHORE WARFARE SYSTEMS. ACOUSTIC WARFARE SYSTEMS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
BIOENGINEERING & PHYSIOLOGY LAB. HYDROSPACE LAB. MAGNETIC LAB. MAGNETIC TARGET DETECTION & CLASSIFICATION RANGE. ELECTRONIC TRACKING RANGE. WET SUBMERSIBLE VEHICLE FAC. TRANSDUCER LAB & CALIBRATION FAC. PRECISION ACOUSTIC TANK. MODEL TOWING BASIN. OPTICAL POSITIONING SYSTEM. ACOUSTIC ANALYSIS FAC. ENVIRONMENTAL MONITORING FAC. CALIBRATION STDS FAC. TWO OFFSHORE RESEARCH PLATFORMS WITH LIVING LABS FOR 30 AND 4 PEOPLE. OCEAN SIMULATION FAC. RECOMPRESSION CHAMBERS. HYDRODYNAMIC PRESSURE SIMULATOR. SWIMMER/DIVER R&D FAC. ACOUSTIC WARFARE SIMULATION FAC. HYBRID COMPUTER FAC. BURROUGHS B-5500 DIGITAL COMPUTER. HELIPORT COMPLEX WITH 3-RH53D& 2-UHIE HELOS. INDUSTRIAL SHOPS. PIERSPACE & BOATS. RANGE & DATA ANALYSIS CENTER TO BE COMPLETED. SYSTEMS DEVELOPMENT & TEST FAC TO BE COMPLETED. ACOUSTIC TRANSDUCER TEST POOL. LOW FREQUENCY HYDROPHONE CALIBRATION FAC.

INSTALLATION NAVAL DENTAL RESEARCH INSTITUTE, NTC GREAT LAKES, IL

C.O. CAPT H J KEENE

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.517	0.585
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.394	0.432
TOTAL ANNUAL LAB	0.911	1.017
TOTAL INHOUSE	0.911	1.017
TOTAL INHOUSE RDT&E	0.517	0.585
ANNUAL OPERATING COST	0.260	0.235

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	23	8	10	13
CIVILIAN	16	3	7	9
TOTAL	39	11	17	22

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	11.780	10.174	9.487	31.441	0.000	0.666

...MISSION
CONDUCT RESEARCH ON DENTAL PROBLEMS OF ORAL HEALTH IN NAVAL AND MARINE CORPS PERSONNEL AND DELIVERY OF DENTAL CARE

...CURRENT IMPORTANT PROGRAMS
ORAL HEALTH OF NAVAL PERSONNEL
MICROORGANISMS IN INDUCED PERIODONTAL DISEASE
BIOCHEMISTRY OF INFECTION FREE AND PATHOLOGICAL ORAL ENVIRONMENTS
BACTERIOLOGY OF THE ORAL ENVIRONMENT IN CARIES-FREE NAVAL RECRUITS
IMMUNOLOGICAL ANALYSIS OF TOOTH TRANSPLANTS IN MICE, PRIMATES, AND MAN

...FUNCTIONS/EQUIPMENT/CAPABILITIES
AMINO ACID ANALYZER ATOMIC ABSORPTION UNIT,FLORIDE ELECTRODES
SCINTILLATION COUNTER,8K MEMORY CORE COMPUTER,BAS CHROMATOGRAPH UNIT.

INSTALLATION NAVAL ELECTRONICS LABORATORY CENTER SAN DIEGO, CA.

C.O. CAPT R.R. GAVAZZI TECH. DIR. DR. C.E. BERGMAN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	45.865	54.020
TOTAL PROCUREMENT	6.030	6.202
TOTAL O&M	14.196	14.261
TOTAL OTHER	9.566	9.490
TOTAL ANNUAL LAB	75.657	83.973
TOTAL INHOUSE	51.264	56.469
TOTAL INHOUSE RDT&E	28.637	33.730
ANNUAL OPERATING COST	16.367	17.290

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	82	2	35	47
CIVILIAN	1455	74	859	596
TOTAL	1537	76	894	643

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
1548	414.583	117.749	88.030	620.362	12.348	40.733

...MISSION
MISSION AND FUNCTIONS ARE TO ESTABLISH AND MAINTAIN THE PRIMARY IN-HOUSE RDT&E CAPABILITY FOR NAVY AND MARINE CORPS ELECTRONIC SYSTEMS AND TECHNOLOGIES FOR COMMAND CONTROL AND COMMUNICATIONS, ELECTRONIC WARFARE, ELECTROMAGNETIC SURVEILLANCE, IDENTIFICATION, AND NAVIGATION.

...CURRENT IMPORTANT PROGRAMS
FLEET SATELLITE COMMUNICATIONS AND DIGITAL INFORMATION EXCHANGE SYSTEMS
TELECOMMUNICATION SYSTEMS ARCHITECTURE AND ENGINEERING
COMMAND CONTROL AND COMMUNICATION SYSTEMS FOR FBM AND ATTACK SUBMARINES
MODULAR APPLICATIONS OF ELECTRONICS TO NAVY SYSTEMS
OPERATIONAL APPLICATIONS OF OPTICS, ELECTRO-OPTICS AND FIBER OPTICS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FACILITIES INCLUDE MICROELECTRONICS LAB, ELECTRO-OPTICS R&D LAB, HUMAN FACTORS LAB, MICROWAVE AND MILLIMETER WAVE RESEARCH FACILITY, ADVANCED COMPUTER SCIENCE CENTER, SHIP ANTENNA MODEL RANGE, ENVIRONMENTAL TEST FACILITY, MATERIALS SCIENCE LAB, SECURE SYSTEMS TEST FACILITY, ADVANCED SYSTEMS DEVELOPMENT AND EVALUATION FACILITIES, AND FLEET OPERATIONAL ACCURACY CHECK SITES

INSTALLATION NAVAL EXPLOSIVE ORDNANCE DISPOSAL FACILITY INDIAN HEAD MD

C.O. LCDR J.R. HECK TECH. DIR. MR. LIONEL A. DICKINSON

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	3.075	4.633
TOTAL PROCUREMENT	1.142	1.645
TOTAL O&M	2.538	3.054
TOTAL OTHER	0.358	0.629
TOTAL ANNUAL LAB	7.113	9.961
TOTAL INHOUSE	3.310	4.106
TOTAL INHOUSE RDT&E	1.587	1.828
ANNUAL OPERATING COST	2.302	2.483

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	50	0	36	14
CIVILIAN	158	2	41	117
TOTAL	208	2	77	131

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1084	50.400	23.397	25.536	99.333	3.780	2.211

...MISSION
CONDUCT RESEARCH, DEVELOPMENT, TEST AND EVALUATION CONCERNING BOTH THE DISPOSAL AND RENDERING-SAFE PROCEDURES FOR CONVENTIONAL AND SPECIAL WEAPONS, GUIDED MISSILES, UNDERWATER WEAPONS, EXPLOSIVES, BIO. AND CHEM. MUNITIONS, BOTH U.S. AND FOREIGN PLUS THE REQUIRED TOOLS AND EQUIPMENT.

...CURRENT IMPORTANT PROGRAMS
RANGE CLEARANCE AND DISPOSAL TECHNIQUES
REMOTE CASE ENTRY SYSTEMS
IMPROVISED EXPLOSIVE DEVICE COUNTERMEASURES
EXPLOSIVE CONTAINMENT STUDY
OD DIVER BREATHING SYSTEM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DEVELOP EXPLOSIVE ORDNANCE DISPOSAL, EOD PROCEDURE, PREPARE AND PUBLISH EOD PUBLICATIONS FOR JOINT-SERVICE USE. CONDUCT EXP. AND ADV. DEVELOPMENT LEADING TO SPECIALIZED TOOLS AND EQUIP. NEEDED TO LOCATE, IDENTIFY, RECOVER, RENDER-SAFE AND DISPOSE OF ALL TYPES OF EXPLOSIVE ORDNANCE. PREPARE AND MAINTAIN DOCUMENTATION FOR EOD TOOLS AND EQUIP. CONDUCT FIRST ARTICLE INSPECTION ON EOD TOOLS BEING PROCURED FOR ALL SERVICES. CONDUCT IN-SERVICE ENGINEERING FUNCTIONS FOR EOD AND SWIMMER WEAPONS SYSTEM TOOLS. CONDUCT INITIAL EVALUATION OF FOREIGN EXPLOSIVE ORDNANCE MAINTAIN, STOCK AND ISSUE EOD PUBLICATIONS FOR JOINT-SERVICE USE. CAPABILITY OF TESTING EOD TOOLS TO A DEPTH OF 400 FT IN A DIVING CHAMBER

INSTALLATION NAVAL MEDICAL FIELD RESEARCH LABORATORY CAMP LEJEUNE, N.C.

C.O. CAPT EUGENE J. CLARK, JR.

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.773	0.785
TOTAL PROCUREMENT	0.061	0.020
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.327	0.322
TOTAL ANNUAL LAB	1.161	1.127
TOTAL INHOUSE	1.102	1.112
TOTAL INHOUSE RDT&E	0.768	0.785
ANNUAL OPERATING COST	0.220	0.280

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	30	4	7	23
CIVILIAN	40	2	7	33
TOTAL	70	6	14	56

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	29.816	8.655	19.381	57.852	0.573	0.524

...MISSION
CONDUCT RESEARCH, DEVELOPMENT AND TESTING IN THE MEDICAL, DENTAL AND ALLIED SCIENCES WITH PARTICULAR EMPHASIS ON PROBLEMS OF FIELD AND AMPHIBIOUS MEDICINE

...CURRENT IMPORTANT PROGRAMS
HOOP HEAT ACCLIMATIZATION AND EVAL OF FIELD WATER PURIFICATION SYSTEMS
RHABDOMYOLYSIS
NONGONOCOCCAL URETHRITIS AND GONORRHEA IN USMC PERSONNEL
DEV OF MODULAR FIELD AND SHIPBOARD MEDICAL FACILITIES
VECTOR CONTROL METHODS, EQUIPMENT AND SUPPLIES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONDUCT RES IN PROBLEMS OF FLD & AMPHIB MED& DEV, TEST & EVAL MED EQUIP & SUPPLIES & CLOTHING & EQUIP FOR USMC PERSONNEL USE & PROTECTION. PRIMARY CAPABILITIES IN APPL RES, SPECIFICALLY IN AREAS OF MICROBIOL, PHYSIOL, STRESS PHYSIOL, ENTOMOL, ENVIRON BIOL, FLD MED EQUIP, BIOCHEM, ANIMAL INVESTIGATIONS. MAJOR EQUIP: BALLISTIC RANGE, HIGH-SPEED BECKMAN CAMERA, MATERIALS LAMINATING PRESS & SEALERS, SEWING EQUIP, 2-MAN RESP, DIS ENVIRON CHAMBER, CLIMATIC CHAMBER, SMALL LOW-PRESSURE & LOW-PRESSURE CHAMBER, OXYGEN ANALYZER, UNRESTRICTED PHOTO CAPABILITY. PHOTO MICROSCOPE, CRYOSTAT, SOUND RECORDER, ANALYZER SPECTRUM, OSCILLATOR VOLTAGE CONTROL DUAL. SOUND SYSTEM W/SPEAKER & CABINET. GAS ANALYZER BLOOD

INSTALLATION NAVAL MEDICAL RESEARCH INSTITUTE BETHESDA, MD.

C.O. CAPT KENNETH W. SELL

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	6.824	8.726
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	2.258	2.710
TOTAL ANNUAL LAB	9.082	11.436
TOTAL INHOUSE	9.082	11.436
TOTAL INHOUSE RDT&E	6.824	8.726
ANNUAL OPERATING COST	2.686	3.172

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	209	65	81	128
CIVILIAN	207	41	87	120
TOTAL	416	106	168	248

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
4	133.495	12.945	38.547	184.987	4.016	5.284

...MISSION
CONDUCT BASIC + APPLIED RESEARCH +
DEVELOPMENT CONCERNED WITH THE HEALTH
SAFETY + EFFICIENCY OF NAVAL
PERSONNEL

...CURRENT IMPORTANT PROGRAMS
TISSUE TYPING ORGAN TRANSPLANTS + IMMUNOSUPPRESSION IN RESTORATIVE SURG
VACCINE DEV FOR CONTROL OF MALARIA + SCHISTOSOMIASIS
HEAT + COLD STRESS IN HYPERBARIC + HIGH HUMIDITY ENVIRONMENT
BEHAVIOR IN HYPERBARIC ENVIRONMENTS
MECHANISMS OF ORAL PLAQUE DISEASE + TREATMENT OF ORAL DISEASE + TRAUMA

...FUNCTIONS/EQUIPMENT/CAPABILITIES
BASIC + DEVELOPMENTAL RESEARCH IN THE BIOPHYSICAL
DISCIPLINES + EFFECTING HUMAN HEALTH SAFETY + PERFORMANCE INCLUDING
HUMAN ENVIRONMENTAL STRESS FACILITIES INCLUDING
HYPERBARIC CHAMBER COMPLEX
TRANSMISSION + SCANNING ELECTRON MICROSCOPE
TISSUE PRESERVATION + TRANSPLANTATION CAPABILITIES
RESEARCH BIOCHEMISTRY
EXPERIMENTAL ANIMAL FACILITIES + ANIMAL HOUSE

INSTALLATION NAVAL MEDICAL RESEARCH UNIT NO. 2 TAIPEI, TAIWAN

C.O. CAPT P.F.D. VANPEENEN CH. SCI. DR. JOHN CROSS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.660	1.505
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.563	0.590
TOTAL ANNUAL LAB	2.223	2.095
TOTAL INHOUSE	2.223	2.095
TOTAL INHOUSE RDT&E	1.660	1.505
ANNUAL OPERATING COST	4.960	5.050

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	32	11	15	17
CIVILIAN	4	1	3	1
TOTAL	36	12	18	18

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
20	328.820	60.750	48.364	437.934	1.010	6.450

...MISSION
CONDUCTS RESEARCH IN BIOMEDICAL SCIENCES. PROVIDES DATA ON DISEASES AND MEDICAL PROBLEMS OF MILITARY SIGNIFICANCE, RECOMMENDS CONTROL MEASURES AND PROVIDES TRAINING IN RESEARCH TECHNIQUES.

...CURRENT IMPORTANT PROGRAMS
CONDUCTS RESEARCH AND EPIDEMIOLOGICAL STUDY OF SCRUB TYPHUS.
STUDIES OF FILARIASIS IN PHILIPPINES AND INDONESIA.
STUDIES OF SCHISTOSOMIASIS IN INDONESIA.
ETIOLOGY OF FEBRILE ILLNESSES IN INDONESIA.
INSECT VECTORS OF DISEASES OF MILITARY IMPORTANCE:ASIA AND PACIFIC AREAS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CLINICAL STUDY OF DIAGNOSIS AND TREATMENT OF TROPICAL DISEASE AND EPIDEMIOLOGICAL STUDY OF INFECTIOUS DISEASES, COMPLETE RADIOISOTOPE EQUIPMENT AND COMPUTER CAPABILITY IN CLINICAL INVESTIGATION, MICROBIOLOGY, MEDICAL PHYSICS, MEDICAL ECOLOGY, BIOCHEMISTRY, PATHOLOGY, ANIMAL FACILITY. SPECTROPHOTOMETERS, HISTO-PROCESSING APPARATUS, MICRODENSITOMETER, FLUOROMETER, AUTOCLAVES, REFRIGERATED CENTRIFUGES, STERILIZERS, AUTOANALYZER EQUIPMENT, NITROGEN ANALYZER, MICROPROJECTOR, AUTOTITER, PULSE HEIGHT ANALYZER, METABOLIC SCALE, FREEZE DRYER, REVCO FREEZERS, LIQUID SCINTILLATION SPECTROMETER SYSTEM, AUTO-GAMMA DETECTOR, DOSITOMETRY PHOROSCOPE, FLAME PHOTOMETER.

INSTALLATION NAVAL MEDICAL RESEARCH UNIT NO. 3 CAIRO, EGYPT

C.O. CAPT W.F. MINER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.512	0.555
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	1.278	1.285
TOTAL ANNUAL LAB	1.790	1.840
TOTAL INHOUSE	1.790	1.840
TOTAL INHOUSE RDT&E	0.512	0.555
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	24	4	9	15
CIVILIAN	216	10	30	186
TOTAL	240	14	39	201

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
3	22.789	5.708	34.747	63.244	0.347	0.889

...MISSION
RESEARCH AND DEVELOPMENT ON INFECTIOUS DISEASES OF MILITARY IMPORTANCE THAT ARE ENDEMIC OR EPIDEMIC IN ITS ASSIGNED GEOGRAPHICAL AREA&& TO PERFORM SUCH OTHER FUNCTIONS AS MAY BE DIRECTED BY CHIEF,BUREAU OF MEDICINE AND SURGERY.

...CURRENT IMPORTANT PROGRAMS
MENINGITIS STUDY
PATHOPHYSIOLOGY AND TREATMENT OF SCHISTOSOMIASIS.
ARTHROPOD VIRUS ISOLATIONS IN TICKS,MOSQUITOES,AND SANDFLIES.
THERAPEUTIC DRUG STUDY OF INFECTIOUS DISEASES.
IMMUNOLOGY OF HUMAN SCHISTOSOMIASIS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TECHNICON TISSUE PROCESSOR,HENLETT PACKARD MODEL 9100 CALCULATOR,PICKER NUCLEAR MAGNASCANNER,PERKIN-ELMER ATOMIC ABSORPTION SPECTROPHOTOMETER, PERKINS-ELMER GAS CHROMOTOGRAPH,COULTER BLOOD CELL COUNTER,PICKER X-RAY APPARATUS,CARDIOGRAPH,WANG ELECTRONIC CALCULATOR,AO FLOURESCENT MICROSCOPE,GUILFORD MODEL 240 SPECTROPHOTOMETER,AMSCO AUTOCLAVES,I L BLOOD GAS GAS APPARATUS,ANALYTIC SCANNER & INTEGRATOR,UNICON UV SPECTROPHOTOMETER, CO FREEZERS METTLER BALANCES,CLIMITIZER,PATIENT WARD, PUBLIC WORKS FACILITY,WORLDS MOST COMPLETE TICK COLLECTION AND MODERN LABORATORY TO STUDY COMMUNICABLE DISEASES OF MILITARY OR POTENTIAL MILITARY IMPORTANCE.INDUSTRIAL REFRIGERATORS&EXTENSIVE MEDICAL LIBRARY,ANIMAL FACILITY.

INSTALLATION NAVAL MEDICAL RESEARCH UNIT NO. 5 (ETHIOPIA) APO NEW YORK NY

C.O. CAPT CRAIG K WALLACE TECH. DIR.: NONE

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.452	0.506
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.246	0.339
TOTAL ANNUAL LAB	0.698	0.845
TOTAL INHOUSE	0.698	0.845
TOTAL INHOUSE RDT&E	0.452	0.506
ANNUAL OPERATING COST	0.008	0.100

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	19	4	8	11
CIVILIAN	58	0	3	55
TOTAL	77	4	11	66

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1	4.274	3.016	0.832	8.122	0.000	0.240

...MISSION
CONDUCT RESEARCH IN THE BIOMEDICALSCIENCES,PROVIDE ESSENTIAL INFORMATION ON DISEASES AND MEDICAL PROBLEMS OF MILITARY SIGNIFICANCE. RECOMMEND CONTROL MEASURES FOR COMMUNICABLE DISEASES THAT ARE ENDEMIC OR EPIDEMIC IN AFRICA AND PROVIDE TRAINING IN RESEARCH TECHNIQUES AS REQUIRED

...CURRENT IMPORTANT PROGRAMS
EPIDEMIOLOGY OF MILITARY IMPORTANT PARASITIC DISEASES IN ETHIOPIA
DIAGNOSIS PATHOPHYSIOLOGY AND TREATMENT OF TYPHUS FEVER
INSECT VECTORS OF DISEASE - BIOLOGY, ECOLOGY, AND HOST PARASITE RELATION
ZOONOSES OF MILITARY IMPORTANCE IN ETHIOPIA
ARTHROPOD-BORNE VIRUSES OF POTENTIAL MILITARY IMPORTANCE IN ETHIOPIA

...FUNCTIONS/EQUIPMENT/CAPABILITIES
ANIMAL HOUSE, EXPERIMENTAL ANIMAL FACILITIES, LIQUID NITROGEN MANUFACTURING,TISSUE PROCESSOR,ELECTRONIC CALCULATORS,CHRONOTOGRAPH,XRAY APPARATUS,FLUORESCENT MICROSCOPE,SPECTROPHOTOMETER, AUTOCLAVES, PATIENT WARDS, MODERN LAB TO STUDY INFECTIOUS DISEASES OF MILITARY IMPORTANCE.

INSTALLATION NAVAL ORDNANCE MISSILE TEST FACILITY WHITE SANDS M.R., N.M

C.O. CDR J.R. RODEMKE Ch. ENG. H.L. HENDON

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	2.826	4.519
TOTAL PROCUREMENT	0.307	0.375
TOTAL O&M	0.040	0.044
TOTAL OTHER	1.490	1.304
TOTAL ANNUAL LAB	4.658	6.242
TOTAL INHOUSE	3.616	4.637
TOTAL INHOUSE RDT&E	2.101	3.081
ANNUAL OPERATING COST	0.942	1.025

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PMDS	TOTAL PROF	NON-PROF
MILITARY	131	0	101	30
CIVILIAN	75	0	1	74
TOTAL	206	0	102	104

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
112	0.000	30.540	316.047	346.587	6.886	3.388

...MISSION
SUPPORT THE NAVY GUIDED MISSILE AND RESEARCH ROCKET PROGRAMS INCLUDING GROUND AND FLIGHT TESTING& ASSIST JOINT SERVICES LASER GUIDED WEAPONS COUNTERMEASURE TEST PROGRAMS& PARTICIPATE IN THE OPERATION OF THE DOD INTEGRATED MISSILE TEST AT WHITE SANDS.

...CURRENT IMPORTANT PROGRAMS
STANDARD MISSILE 1 AND 2/AEGIS FLIGHT TESTING
ASMD MISSILE FLIGHT TESTING
CRUISE MISSILE GUIDANCE SYSTEM FLIGHT TESTING
UPPER ATMOSPHERIC RESEARCH ROCKET LAUNCHING
STANDARD ARM MISSILE AIR TO GROUND FLIGHT TESTING

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FLIGHT TEST TALOS, TERRIER, TARTAR, STANDARD, SAM GUIDED MISSILES
FLIGHT TEST TALOS, STANDARD ANTI-RADIATION MISSILES
LAUNCH AEROBEE 150,170,200,350 SERIES,ASTROBEE C.D. BLACK BRANT AND VARIOUS OTHER SOUNDING ROCKETS FOR UPPER ATMOSPHERIC STUDY
CONDUCT NAVY AIR WEAPON TESTS
LAUNCH VARIOUS ROCKETS IN SUPPORT OF NASA PROJECTS
LAUNCH VARIOUS ROCKETS IN SUPPORT OF AIR FORCE PROJECTS
LAUNCH AEROBEE 350 ROCKETS IN SUPPORT OF ARMY BALLISTIC MISSILE PROJECTS
CONDUCT VARIOUS DEVELOPMENT TESTS FOR SSN AND SAM PROJECTS
MAINTAIN TARGET ECM EQUIPMENT FOR AIR FORCE SUPPRESSION PROJECT
ASSIST IN OPEVAL CONDOR MISSILE

INSTALLATION NAVAL RESEARCH LABORATORY WASHINGTON, D.C.

C.O. CAPT JOHN T. GEARY DIR. OF RSCH. DR. ALAN BERMAN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	133.593	169.027
TOTAL PROCUREMENT	5.583	0.611
TOTAL O&M	19.953	4.927
TOTAL OTHER	10.812	8.502
TOTAL ANNUAL LAB	169.941	183.067
TOTAL INHOUSE	163.412	179.969
TOTAL INHOUSE RDT&E	127.064	164.929
ANNUAL OPERATING COST	39.536	43.326

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	148	2	31	117
CIVILIAN	3678	520	1602	2076
TOTAL	3826	522	1633	2193

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
698	2128.947	236.893	592.318	2958.158	82.164	71.137

...MISSION
TO CONDUCT A BROADLY BASED MULTIDISCIPLINARY PROGRAM OF SCIENTIFIC RESEARCH AND ADVANCED TECHNOLOGICAL DEVELOPMENT DIRECTED TOWARD NEW AND IMPROVED MATERIALS, EQUIPMENT, TECHNIQUES, SYSTEMS, AND RELATED OPERATIONAL PROCEDURES FOR THE NAVY.

...CURRENT IMPORTANT PROGRAMS
FLEET SATELLITE COMMUNICATIONS
EFFECTIVENESS OF NAVAL ELECTRONICS WARFARE SYSTEMS
HIGH ENERGY LASER, GENERATION, PROPAGATION, AND EFFECTS PROGRAM
ADVANCED ACOUSTIC ANTI-SUBMARINE WARFARE SURVEILLANCE PROGRAM
SATELLITE PROGRAMS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PRINCIPAL RESEARCH AND DEVELOPMENT LABORATORY OF THE NAVY. PRIMARY AREAS ARE MATERIALS SCIENCE AND TECHNOLOGY, SPACE SCIENCE AND TECHNOLOGY, RADAR, ELECTRONIC WARFARE, LASER TECHNOLOGY, OPTICS, OPTICAL WARFARE, ELECTRONIC DEVICES, PLASMA AND NUCLEAR PHYSICS, INTELLIGENCE SUPPORT, UNDERSEA SURVEILLANCE, OCEAN SCIENCE AND TECHNOLOGY. MAJOR FACILITIES INCLUDE ONE SHIP FOR ACOUSTIC ASW RESEARCH, OCEANOGRAPHY, AND DEEP OCEAN RESEARCH. MAJOR ACOUSTIC STANDARD AND CALIBRATION FACILITIES. HIGH LEVEL RADIATION LABORATORY. THREE NUCLEAR PARTICLE ACCELERATORS. DIVERS HIGH ENERGY LASERS. 200 KILOGAUSS HIGH FIELD MAGNET FACILITY. SPACE SIMULATION FACILITIES.

INSTALLATION NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER WASHINGTON, D.C.

C.O. CAPT M.C. DAVIS TECH. DIR. DR. A. POWELL

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	75.161	72.857
TOTAL PROCUREMENT	0.846	1.733
TOTAL O&M	15.066	14.230
TOTAL OTHER	17.929	12.983
TOTAL ANNUAL LAB	109.002	101.803
TOTAL INHOUSE	66.045	62.122
TOTAL INHOUSE RDT&E	46.220	44.832
ANNUAL OPERATING COST	27.282	31.181

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	46	0	14	32
CIVILIAN	2820	125	1265	1555
TOTAL	2866	125	1279	1587

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
322	388.522	192.814	1405.876	1987.212	71.138	45.015

...MISSION
TO BE THE PRINCIPAL NAVY RDT&E CENTER FOR NAVAL VEHICLES, TO PROVIDE RDT&E SUPPORT TO THE U.S. MARITIME ADMINISTRATION AND THE MARITIME INDUSTRY, AND TO PROVIDE LABORATORY MANAGEMENT SERVICES FOR THE CHIEF OF NAVAL MATERIAL.

...CURRENT IMPORTANT PROGRAMS
ADVANCED SHIP AND AIRCRAFT CONCEPTS (HYDROFOILS, SMALL WATERPLANE AREA TWIN HULL SHIP, AMPHIBIOUS ASSULT LANDING CRAFT, SURFACE EFFECT SHIPS, CIRCULATION CONTROL AIRCRAFT). HYDROMECHANICS, MATERIALS, STRUCTURES, PROPULSION & AUXILIARY MACHINERY FOR SHIPS, SUBS & BOATS, SURFACE SHIP & SUBMARINE SILENCING. COMPUTER-AIDED SHIP DESIGN AND CONSTRUCSTION.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PLAN AND CONDUCT RDT&E AND PROVIDE SUPPORT OF THE OPERATING FORCES IN THE AREAS OF NAVAL ARCHITECTURE, HYDROMECHANICS, STRUCTURAL MECHANICS, AERODYNAMICS, COMPUTER ANALYSIS & MATHEMATICS, ACOUSTICS & VIBRATIONS, PROPULSION AND AUXILIARY MACHINERY, SHIP ELECTRICAL SYSTEMS, MATERIAL FOR SHIP STRUCTURES AND EQUIPMENT, SHIPBOARD POLLUTION CONTROL. FACILITIES INCLUDE: DEEP, SHALLOW, AND HIGH SPEED TOWING BASINS, MANEUVERING-SEAKEEPING AND ROTATING ARM TOWING BASINS, TRANSONIC AND SUB SONIC WIND TUNNELS, WATER TUNNELS, CIRCULATING WATER CHANNEL, DEEP SUBMERGENCE PRESSURE TANKS, ACOUSTIC DATA ANALYSIS CENTER, ANECHOIC FLOW FACILITY, LARGE SCALE STRUCTURAL RESEARCH FACILITY, MAGNETICS FACILITY, POLLUTION CONTROL LABORATORY, AND BALLAST BLOW FACILITY.

INSTALLATION NAVAL SUBMARINE MEDICAL RESEARCH LABORATORY GROTON CT

C.O. CDR R.L. SPHAR SCI. DIR. DR C.F. GELL

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.703	1.917
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.499	0.486
TOTAL ANNUAL LAB	2.202	2.403
TOTAL INHOUSE	2.106	2.303
TOTAL INHOUSE RDT&E	1.607	1.817
ANNUAL OPERATING COST	0.262	0.280

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	35	7	10	25
CIVILIAN	60	11	29	31
TOTAL	95	18	39	56

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	23.325	6.441	13.118	42.884	0.000	1.140

...MISSION
TO CONDUCT BASIC AND APPLIED RESEARCH IN SUBMARINE AND DIVING MEDICINE, CLOSED ENVIRONMENTS IN AREAS OF PHYSIOLOGY,PSYCHOLOGY,VISION,AUDITION, HUMAN FACTORS ENG. MIL.APPLICATIONS,TO MEET NAVY REQUIREMENTS& FURNISH SUPPORT AND MEDICAL SUPPORT TO SUB AND DIVING SHORE AND FLEET COMMD'S.

...CURRENT IMPORTANT PROGRAMS
1 LONGITUDINAL HEALTH STUDY OF SUBMARINERS AND DIVERS.2 DYSBARIC OSTEONECROSIS IN NAVY DIVERS.3 SATURATION-EXCURSION AIR DIVES TO SHALLOW DEPTHS.4 AUDITORY AND VISUAL TESTS AND EVALUATION OF SUBMARINE AND DIVING PERSONNEL IN OPERATIONAL STRESS ENVIRONMENTS.5 HUMAN FACTORS ENG EVALUATION OF PERSONNEL IN SUBMARINE INFORMATION PROCESSING,NNEL.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
HYPERBARIC CHAMBERS,HUMAN-150 PSI,ANIMAL-300 AND 1000 PSI& ENVIR.CONTRL CHAMBERS LABORATORYS-PUL.FUNC.&EXERCISE&CARDIOPUL.,BIOCHEMISTRY&HISTOPATH.&VISION&HUMAN FAC.ENG.&BIOENGINE&AUDITORY&ANECHOIC RMS.&AUDIO TEST BOOTHS&MICROBIOL.-ISOLATION LAB&CLIN.MED.EXAM SUITE& X-RAY COPY FAC.& PERSONNEL ASSES.SEC.&ANIMAL CARE-HOUSING FAC.& SURGICAL SUITE.COMPUTER APPLIC. FAC.&TECH.LIBRARY& APPARATUS SHOP&PUBLICATIONS SEC.& GRAPHIC ARTS-PHOTO.SEC.&EQUIPMENT&DIVER COMM SYS.& GAS MIXERS CLSD.CIR.TV.SYS. DOPPLER SYS.&ANALOG-DIGITAL COMPUTER SYS.&RESP.ANAL.SYS.&SPECTROPHOTMTR SONAR STACK SIM.TEST SYS.&SCINTILAT. CNTR.&MULTI-CH.MAS.TAPE SYS.&ATOMIC ABSORP.SPECTROPHMTR& FLUIDIC CONTROL CONSOLE&AIR ION MONITORING SYSTEM GAS CHROMATOGRAPHS& EEG REC.SYS.&SPECTRUM ANAL.&SPIROMETER PULMOTESTER TREADMIL&CARD PROCCESSOR&TECHNICON AUTOANAL.&UNDERWATER TV SYSTEMS

INSTALLATION NAVAL SURFACE WEAPONS CENTER SILVER SPRING, MD.

C.O. CAPT C.J. RORIE TECH. DIR. MR. JAMES E. COLVARD

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	150.949	163.155
TOTAL PROCUREMENT	34.049	35.600
TOTAL O&M	20.142	22.838
TOTAL OTHER	21.846	22.375
TOTAL ANNUAL LAB	226.986	243.968
TOTAL INHOUSE	130.815	153.718
TOTAL INHOUSE RDT&E	85.272	91.863
ANNUAL OPERATING COST	54.394	57.983

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	124	2	51	73
CIVILIAN	5305	246	2394	2911
TOTAL	5429	248	2445	2984

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
5381	972.186	268.292	1629.918	2870.396	124.458	86.559

...MISSION
TO BE THE PRINCIPAL NAVY RDT&E CENTER FOR SURFACE WARFARE WEAPONS SYSTEMS, ORDNANCE TECHNOLOGY, AND STRATEGIC SYSTEMS SUPPORT.SYSTEMS,MULTI

...CURRENT IMPORTANT PROGRAMS
TORPEDO MK48-1
CAPTOR DEVELOPMENT
HIGH ENERGY LASER RESEARCH AND DEVELOPMENT
GUIDANCE DATA FOR POLARIS/POSEIDON/ULMS/FBM SYSTEMS PROGRAMS
5 IN GUIDED PROJECTILE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FACILITIES INCLUDE WIND TUNNELS TO MACH 20, BALLISTIC RANGES FOR FREE FLIGHT MODEL STUDIES, 1.75 MILLION GALLON CAPACITY HYDROBALLISTIC TANK, MAGNETIC STRUCTURE FACILITY TO STUDY MAGNETIC CHARACTERISTICS OF SHIPS, SUBMARINES, AND SATELLITES. WARFARE ANALYSIS CENTER, FBM DISC PACK PRODUCTION FACILITY, GUNNERY AND MISSILE RANGE COMPLEX, AND ELECTROMAGNETIC VULNERABILITY TEST FACILITY. CAPABILITIES FOR STRATEGIC SYSTEMS, NAVAL MINE SYSTEMS, MULTI MEDIA WEAPONS SYSTEMS, DIRECTED ENERGY SYSTEMS AND FUZE DEVELOPMENT, ORDNANCE TECHNOLOGY, ELECTROMAGNETIC WARFARE, MISSILE GUIDANCE. TACTICAL, STRATEGIC, AMPHIBIOUS AND MINE WARFARE ANALYSIS, SMALL CRAFT ARMAMENT, ANTITORPEDO WEAPONS SYSTEMS, WEAPONS SYSTEM SAFETY, SWIMMER WEAPONS SYSTEMS. MATERIALS AND INSTRUMENTATION RESEARCH, AND MODEL FABRICATION.

INSTALLATION NAVAL UNDER WATER RANGES DIRECTORATE NEWPORT, R I

C.O. CAPT W.L. BONHANNAN TECH. DIR. MR. C.S. SOLIOZY

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	3.566	15.374
TOTAL PROCUREMENT	0.000	0.038
TOTAL O&M	14.035	2.572
TOTAL OTHER	0.726	1.587
TOTAL ANNUAL LAB	18.327	19.571
TOTAL INHOUSE	6.212	6.890
TOTAL INHOUSE RDT&E	1.219	5.903
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	34	0	16	18
CIVILIAN	42	1	25	17
TOTAL	76	1	41	35

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
1042	67.000	11.173	266.044	344.217	21.396	0.075

...MISSION
TO PROVIDE DEEP WATER DEV & OPRATAL T-E FACLTIES FOR MAKING UNDERWATER ACOUSTIC MEASMNTS,TESTING & CALIBRTNG SONARS & PROVIDING ACCURATE UNDRWT R,SURFACE & IN-AIR TRACKING DATA ON SHIPS,SUBS,AIRCRFT,&WEAPNS SYSTMS IN SUPRT OF NAVY ASW & UNDRSEA R-D PRGRMS, ASW FLEET ASESMNT & OPRNL KDNES

...CURRENT IMPORTANT PROGRAMS
MK48 WEAPON SYSTEMS TRAINING CERTIFICATION PROGRAM
SHIP SILENCING PROGRAM
FLEET TRAINING/SUBROC,SUPEX,SHAREM
AIRBORNE MINEX & TORPEX/RANGEX
R&D TESTS/CAPTOR/MP SONAR/TOWED ARRAYS/LAMPS/BQQ 5/DICASS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
HIGHLY ADVANCED & INSTRUMENTED ASW WEAPONS,SONAR & FORACS,TEST MEASURE-MENT RANGES.

INSTALLATION NAVAL UNDER WATER SYSTEMS CENTER NEWPORT,RI

C.O. CAPT W.L. BOHANNAN TECH. DIR. DR. O. NICHOLAS PRYOR

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	52.499	76.393
TOTAL PROCUREMENT	46.512	33.660
TOTAL O&M	30.033	37.831
TOTAL OTHER	9.434	3.103
TOTAL ANNUAL LAB	138.478	150.987
TOTAL INHOUSE	83.588	91.236
TOTAL INHOUSE RDT&E	31.499	45.836
ANNUAL OPERATING COST	24.734	27.426

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	113	2	30	83
CIVILIAN	3159	89	1450	1709
TOTAL	3272	91	1480	1792

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
381	702.100	107.528	550.000	1359.628	30.580	37.182

...MISSION
TO BE THE PRINCIPAL NAVY RDT&E CNTR FOR U/W COMBAT SYSTMS.ESTABLSH & MAINT PRIMARY IN-HSE R&D CAPABLITY FOR NAVY & MARNE CRP SYSTMS,SUBSYSTMS & TECHNLGYS FOR SONAR SYSTMS

...CURRENT IMPORTANT PROGRAMS
ADVNCD TECHNGY IN U/W ACOUTCS,OCEAN ENGRNG,INFO PROCSNG, WEAPONRY DESGN,DEV & EVAL U/W COMBAT SUB SYSTMS INCDNG SURFC SHIP SONAR MODRNZTN RDT&E FOR OVERALL U/W COMBAT SYSTEMS (TRIDENT,688,ETC.)
DESGN,DEV & EVAL OF U/W TARGET SYSTMS - MOBILE/FIXED U/W TEST RANGES
INTRODUCE TO FLEET & IN-SERVICE ENGINEERING OF MK48

...FUNCTIONS/EQUIPMENT/CAPABILITIES
HULL-TOWD/SUB COMCTNS SYSTMS INTEGRTN/SUB ANTNA SYSTMS/UWTR WEPON SYSTMS/UWTR TARGT SYSTMS/UWTR ACOUSTC PROPGTN(LAN T & MED/UWTR RNGE TECHNLGY/REDINES OF IN-SRVE SHPBORD UWTR SYSTMS/ASW SUP, CINCLNTFLT. TRPDO TEST RNGES (FIXED/PRTBLE) SHLOW & DP WTR. ASW WEPON FIRE CNTRL R&D FACLTY. ASW WEPON LAUNCHING DEVCE R&D FACLTY. QLTY ENGRNG, EVALTN & RELBLTY LAB. BERMUDA RSCH FACLTY. TORPDO PROPULSN TEST FACLTY. ELECTROMAGTIC FACLTY. SYSTMS CRTIFCTN & INTGRTN FACLTY. ACOUSTC MSRMNT & XDUCR R&D FACLTY. TORPDO TEST RANGE. INSTRMNTN SHLTER. ACOUSTIC RNGE. AUTEC. AZORS FIXED ACSTC RANGE.

INSTALLATION NAVAL UNDERSEA CENTER SAN DIEGO CA

C.O. CAPT R.B. GILCHRIST TECH. DIR. DR. H.L. BLOOD

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	62.127	66.808
TOTAL PROCUREMENT	7.135	6.946
TOTAL O&M	7.373	8.607
TOTAL OTHER	8.023	7.540
TOTAL ANNUAL LAB	84.658	89.901
TOTAL INHOUSE	54.516	58.828
TOTAL INHOUSE RDT&E	38.270	45.121
ANNUAL OPERATING COST	17.271	18.895

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	294	2	12	282
CIVILIAN	1648	118	706	942
TOTAL	1942	120	718	1224

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
36898	795.746	128.686	397.240	1321.672	47.330	49.541

...MISSION
MISSION OF THE CENTER IS TO BE THE PRINCIPAL NAVY RESEARCH, DEVELOPMENT, TEST AND EVALUATION CENTER FOR UNDERSEA SURVEILLANCE, OCEAN TECHNOLOGY, AND ADVANCED UNDERSEA WEAPONS SYSTEMS.

...CURRENT IMPORTANT PROGRAMS
ADV UIS SURVEILLANCE INCLUD EG APERTURE & TOWED ARRAYS, T&E OF MAJOR SURVL SYS. ADV SONAR TEKNICS, FLEET SONAR SYS IMPROVEMT. ASW WEAPONS SYS DEV, EG ADV TORPEDO TECHNOL, SUB-LAUNCHED MISSILE TECHNOL, FIRE CONTROL SYS, ACOUS C/M. MARINE BIOSYS. USW OCEANOG RSCH. OCEAN ENGRG EG REMOTE U/S WORK SYS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
UIS SURVL. UNDERSEA/SURFACE WEAPONS & FIRE CONTROL SYS, LTWT LTWT TORPE-TORPEDOES, HISPEED VEHICLE & HI RESOLUTION SONARS, UW ACOUSTIC WARFARE SYS, REMOTE CONTROL UW SYS, OCEAN TECHNOL & ENGRG, MARINE BIOSCI, MAR MAMMAL SYS, ACOUS PROPAGATION(PAC/ARC), PACFLT ASW SUPPT, ARC SUB SYS. RDT&E LABS SDIEGO, HAWAII. SEA TEST/ENGRG RANGES SAN CLEMENTE IS, MORRIS DAM, LBEACH, CALIBRATION STA. ARC FIELD STA, ALASKA. ARC SUB LAB & POLAR ICE SIMULATOR. MAR BIOSCI FACS. MAJOR SIM/REALTIME COMPUTER FAC FOR ASW SYS DEV. TRANSDUCER EVAL CTR ANECHOIC ALL FREQUENCIES. RSCH SHIPS & CRAFT. DAPAAN FAC FOR DEV/EVAL OF SIG PROC TEKNICS. DEV/TEST FACS FOR LTWT AIR DROP TORPEDOES, UNMAND REMOTE U/S WORK SYS EG CABLE-CONTROLD UW RECOV-ERY VEHICLE. UW OBSERV PLATFORMS, VAR ANGLE LAUNCHER.

INSTALLATION NAVAL WEAPONS CENTER CHINA LAKE, CA.

CDR. RADM R.G. FREEMAN,III TECH. DIR. DR G.L. HOLLINGWORTH

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	119.512	123.300
TOTAL PROCUREMENT	36.125	41.000
TOTAL O&M	8.190	8.000
TOTAL OTHER	47.686	35.217
TOTAL ANNUAL LAB	211.513	207.517
TOTAL INHOUSE	126.765	128.717
TOTAL INHOUSE RDT&E	78.108	82.000
ANNUAL OPERATING COST	39.859	45.055

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	545	0	67	478
CIVILIAN	4501	142	1523	2978
TOTAL	5046	142	1590	3456

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1093634	614.574	322.980	5279.812	6217.366	220.326	78.667

...MISSION
THE MISSION OF THE NAVAL WEAPONS CENTER IS TO BE THE PRINCIPAL NAVY RDT AND E CENTER FOR AIR WARFARE AND MISSILE WEAPON SYSTEMS THE FUNCTIONS ARE TO ESTABLISH AND MAINTAIN THE PRIMARY IN-HOUSE RESEARCH AND DEVELOPMENT CAPABILITY FOR NAVY AND MARINE CORPS SYSTEMS

...CURRENT IMPORTANT PROGRAMS
POINT DEFENSE-IN ASMD ROLE
HARM-HIGH SPEED ANTI-RADIATION MISSILE
FAF-FUEL AIR EXPLOSIVE
SPARROW AIM-7F
AIM9L-GUIDED, AIR-LAUNCHED INTERCEPTOR MISSILE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
SUB-SYSTEMS AND TECHNOLOGIES IN SUCH AREAS AS: STRIKE AIRCRAFT/WEAPON SYSTEMS AND CONCEPT DEVELOPMENT& AIR-LAUNCHED WEAPONS AND ASSOCIATED AVIONICS SYSTEMS& TACTICAL MISSILES (ANTI-SHIP CRUISE MISSILES AND POINT DEFENSE MISSILES)& PROPULSION, GUIDANCE AND CONTROL, WARHEAD, FUZE, AND LAUNCHER AND HANDLING EQUIPMENT SUBSYSTEMS FOR THE AFOREMENTIONED SYSTEMS& STRIKE WARFARE COUNTERMEASURES& AND WEATHER MODIFICATION FACILITIES INCLUDE: MICHELSON LABORATORY& ELECTRONIC WARFARE RANGE& SOLID STATE DEVICES LABORATORY& FUZETEST RANGE& PROPULSION RESEARCH LABORATORIES& MICROELECTRONICS FACILITY& EXPLOSIVES RESEARCH AND DEVELOPMENT FACILITY&GROUND AND AIRCRAFT RANGES& EXTERIOR AND TERMINAL BALLISTICS RANGES& NAVAL AIR FACILITY& AIRCRAFT SURVIVABILITY FACILITY

INSTALLATION NAVAL WEAPONS EVALUATION FACILITY ALBUQUERQUE, N.M.

C.O. CAPT R.H. CALDWELL TECH.DIR. F.X. BUSHNER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.368	1.829
TOTAL PROCUREMENT	0.700	0.700
TOTAL O&M	1.023	1.087
TOTAL OTHER	3.331	3.412
TOTAL ANNUAL LAB	6.422	7.028
TOTAL INHOUSE	6.422	7.028
TOTAL INHOUSE RDT&E	1.368	1.829
ANNUAL OPERATING COST	0.694	0.680

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	149	0	35	114
CIVILIAN	118	1	45	73
TOTAL	267	1	80	187

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
7	0.400	53.592	94.926	148.918	9.600	0.438

...MISSION
MISSION: TEST, EVALUATE, AND PROVIDE OTHER TECHNICAL SUPPORT FOR NUCLEAR AND ASSIGNED NON-NUCLEAR WEAPON SYSTEMS. CONDUCT NUCLEAR WEAPON SAFETY STUDIES. PLAN AND COORDINATE THE NAVY NUCLEAR WEAPON SAFETY PROGRAM. ASSIST IN NAVY AIRCRAFT BIS TRIALS.

...CURRENT IMPORTANT PROGRAMS
A-4 AND A-7 EVALUATION FOR NUCLEAR SURVIVABILITY.
EVALUATION OF NUCLEAR WEAPONS FOR SAFETY, RELIABILITY AND COMPATIBILITY.
NUCLEAR WEAPON EMERGENCY DESTRUCTION RESEARCH AND DEVELOPMENT.
WRITE LOADING DOCUMENTS FOR NAVY AND DEF.ASSIST.SECURITY PROG. AIRCRAFT.
TEST NAVY AND NATO AIRCRAFT FOR NUCLEAR SAFETY AND WEAPON COMPATIBILITY.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TA-4J,A-7A,A-7C,F-4B,OV-10, AND C-118 AIRCRAFT AND MAINTENANCE. AIRBORNE HIGH SPEED CAMERA,TELEMETRY,TAPE RECORDER,OSCILLOGRAPHS,ACCELEROMETERS, TEMPERATURE AND PRESSURE SENSORS. ACCESS TO AIR FORCE ENVIRONMENTAL TEST LDG MANUALS, MILITARY CHARACTERISTICS, STOCKPILE-TO-TARGET SEQUENCES, EFFECTS ON ELECTRONICS AND BLAST FACILITIES. ACCESS TO AIR FORCE AND ENERGY RESEARCH AND DEVELOPMENT AGENCY LAB CDC 6600 AND 7600 COMPUTERS DROP TEST FACILITIES, EXPLOSIVE STORAGE MAGAZINES AND WEAPON ASSEMBLY CAPABILITY.

INSTALLATION NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT SAN DIEGO, CA

C.O. CAPT D.R. TENEYCK SCI. DIR. DR. W. WILKINS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	1.800	1.923
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.506	0.547
TOTAL ANNUAL LAB	2.306	2.470
TOTAL INHOUSE	2.306	2.470
TOTAL INHOUSE RDT&E	1.800	1.923
ANNUAL OPERATING COST	0.250	0.350

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	28	12	18	10
CIVILIAN	72	11	39	33
TOTAL	100	23	57	43

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	0.000	0.000	0.000	0.000	0.000	0.267

...MISSION
TO CONDUCT RESEARCH AND DEVELOPMENT ON THE MEDICAL AND PSYCHOLOGICAL ASPECTS OF HEALTH AND PERFORMANCE OF NAVAL SERVICE PERSONNEL& AND TO PERFORM SUCH OTHER FUNCTIONS OR TASKS AS MAY BE DIRECTED BY THE CHIEF, BUREAU OF MEDICINE AND SURGERY

...CURRENT IMPORTANT PROGRAMS
PSYCHOBIOCHEMICAL ASSAYS STRESS TOLERANCE AMONG NAVAL SERVICE PERSONNEL
EFFECT ORGANIZATIONAL STRESS HEALTH AND PERSONNEL EFFECTIVENESS
EFFECT OF FLURAZEPAM ON AROUSAL THRESHOLD WAKING PERF GOOD-POOR SLEEPER
GUIDELINES PSYCHIATRIC INTERVENTION ON DECISIONS IN THE FLEET
EFFECTS SHIPBOARD ENVIRONMENTAL DESIGN AND HABITABILITY DURING DEPLOY

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PSYCHOPHYSIO LAB INCLUDING STUDY OF SLEEP LOSS, ABNORMAL WORK-REST CYCL
BIOCHEMICAL CORRELATES OF STRESS IN HUMAN OPERATORS
ON-LINE ELECTROPHYSIOLOGICAL RECORDING
MONITOR AUTONOMIC, OTHER BIOFEEDBACK RESPONSES FOR CLINICAL/FIELD POPS

INSTALLATION NAVY PERSONNEL RESEARCH & DEVELOPMENT CENTER SAN DIEGO,CA

C.O. CAPT J.J. CLARKIN TECH. DIR. DR. J.J. REGAN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	7.854	9.245
TOTAL PROCUREMENT	0.134	0.100
TOTAL O&M	1.003	1.500
TOTAL OTHER	0.951	0.898
TOTAL ANNUAL LAB	9.942	11.743
TOTAL INHOUSE	6.717	8.548
TOTAL INHOUSE RDT&E	5.094	6.700
ANNUAL OPERATING COST	1.741	1.530

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	28	1	20	8
CIVILIAN	276	74	211	65
TOTAL	304	75	231	73

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
10	7300.000	4900.000	0.000	12200.000	30.200	1080.000

...MISSION
PRINCIPAL NAVY RDTE ORGANIZATION FOR ADVANCING AND APPLYING SCIENCES AND TECHNOLOGIES REQUIRED TO SUPPORT OPERATIONAL AND RESEARCH REQUIREMENTS IN MANPOWER, PERSONNEL, EDUCATION, TRAINING. COORDINATING ORGANIZATION FOR ALL RDTE CONDUCTED IN SUPPORT OF THESE REQUIREMENTS.

...CURRENT IMPORTANT PROGRAMS
MANPOWER MANAGEMENT EFFECTIVENESS
EDUCATION AND TRAINING DEVELOPMENT
PERSONNEL TRAINING
PERSONNEL MANAGEMENT
INDEPENDENT RESEARCH AND EXPLORATORY DEVELOPMENT IN PERSONNEL & TRAINING

...FUNCTIONS/EQUIPMENT/CAPABILITIES
GENERAL AUTOMATION 18/30 COMPUTER SYSTEM WITH REMOTE JOB ENTRY CAPABILITY TO AN IBM 360/65 LOCATED AT THE NAVAL ELECTRONICS LABORATORY CTR
2 OPTICAL SCANNERS
EXPERIMENTAL PERSONNEL TESTING AND TRAINING FACILITIES
PLATO IV STATIONS
TEKTRONIC GRAPHIC TERMINALS INTERFACING TO AN IBM 360 COMPUTER AT SAN DIEGO STATE UNIVERSITY
POP-12/30 LABORATORY INSTRUMENT CONTROL SYSTEM COMPUTER

INSTALLATION PACIFIC MISSLE TEST CENTER POINT MUGU CA

C.O. RADM J.M. THOMAS TECH. DIR. MR. W.L. MILLER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	120.002	145.044
TOTAL PROCUREMENT	65.588	69.421
TOTAL O&M	26.976	42.304
TOTAL OTHER	41.541	39.082
TOTAL ANNUAL LAB	254.107	295.851
TOTAL INHOUSE	163.663	186.707
TOTAL INHOUSE RDT&E	80.947	102.860
ANNUAL OPERATING COST	52.770	58.286

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	906	2	181	725
CIVILIAN	4733	15	732	4001
TOTAL	5639	17	913	4726

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
27088	270.704	501.279	2461.295	3233.278	131.095	144.635

...MISSION
PERFORM DEV,T&E,SUPPORT AND FOLLOW-ON ENGINEERING AND LOGISTIC SUPPORT FOR NAVAL WEAPONS SYSTEMS AND RELATED DEVICES. PROVIDE RANGE, TECHNICAL, AND BASE SUPPORT FOR FLEET USERS AND OTHER DOD AND GOVT AGENCIES. PERFORM TESTS AND CONDUCT TECH EVALUATIONS OF NAVAL AIRBORNE WEAPONS,

...CURRENT IMPORTANT PROGRAMS
F14/PHOENIX,HARPOON,AEGIS, AND CLOSE-IN WEAPON SYSTEM
AIRBORNE ELECTRONIC COUNTERMEASURES R&D
ENGINEERING COGNIZANCE OF AIR LAUNCHED WEAPONS
AIR-TO-AIR,AIR-TO-SURFACE MISSILE PRODUCTION TESTING
T AND E OF AERIAL AND SURFACE TARGETS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
GUIDED MISSILE SUBSYSTEMS AND RELATED SUPPORT EQUIP, PERFORM ETS FOR INTERRELATED AIRBORNE WEAPONS SYSTEMS. PROVIDE ENG COGNIZANCE AND FIELD ENG SERVICES ON ASSIGNED OPERATIONAL AIRBORNE WEAPONS AND TARGETS SYSTEMS. PROVIDE ENGINEERING MANAGEMENT AND SUPPORT FOR EW EQUIPMENT DURING DEV AND DEPLOYMENT. PERFORM DEV T&E OF AIRBORNE AND SURFACE TARGET SYSTEMS. FACILITIES INCLUDE FIXED,MOBILE AND SHIPBOARD TELEMETRY, REAL TIME,SEPARATION AND DISPLAY SYSTEMS,RADAR TRACKING FACILITY, METRIC AN/FPS16,AN/MPS25,AN/SPQ10, COMMAND CONTROL DESTRUCT FACILITIES, UNDERWATER RANGE AT KAUAI IS 5X10NM WITH 37 HYDROPHONE ARRAY AT 400-1000 FATHOMS.

INSTALLATION AEROPROPULSION LABORATORY WPAFB, OH.

CDR COL. JAMES R. NELSON ACTG. TECH. DIR. ROBERT E. SUPP

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	60.842	58.173
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	4.133	0.990
TOTAL ANNUAL LAB	64.975	59.163
TOTAL INHOUSE	10.774	13.027
TOTAL INHOUSE RDT&E	9.841	12.037
ANNUAL OPERATING COST	0.924	0.995

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	49	12	42	7
CIVILIAN	354	29	202	152
TOTAL	403	41	244	159

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
40	227.103	32.999	390.434	650.536	17.303	18.849

...MISSION
PLAN, FORMULATE, AND EXECUTE RESEARCH AND EXPLORATORY, ADVANCED AND PROTOTYPE DEVELOPMENT PROGRAMS IN AIR-BREATHING PROPULSION, AEROSPACE POWER GENERATION AND DISTRIBUTION, AIRCRAFT FUELS, FUEL AND LUBRICATION SYSTEMS, AND FIRE PROTECTION. PROVIDE OPERATIONAL AND SYSTEMS SUPPORT.

...CURRENT IMPORTANT PROGRAMS
ADVANCED TURBOFAN ENGINE TECHNOLOGY DEMONSTRATORS
PROGRAM TO IMPROVE THE AVAILABILITY OF AVIATION TURBINE FUELS
VARIABLE CYCLE ENGINES FOR MULTI-MISSION AIRCRAFT
INTEGRAL ROCKET/RAMJET, POWER SYSTEM AND HIGH DENSITY FUEL FOR ASALM
AIRBORNE HIGH POWER FOR LASER SYSTEMS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TURBINE ENGINE CONTROL TEST FAC, BATTERY DEVELOPMENT AND TEST FAC, MHD GENERATOR, LUBRICANT RIGS, SEAL TEST RIGS, BEARING RIGS, FUEL HANDLING FAC, FIRE DETECTION LAB, FIRE RESEARCH LAB, COKER LAB, FUEL ANALYSIS LAB, COMBUSTION FAC, ROTOR TEST FAC, 6 SEA LEVEL TEST STANDS TO 20,000 LB THRUST, 2 TURBINE ENGINE ALTITUDE CELLS TO 5,000 LB THRUST-MACH 1.5-50,000 FT, 3 PROPELLER WHIRL RIGS TO 10,000 HP, DIRECT CONNECT RAMJET COMPONENTS LAB, ELECTRO AERODYNAMIC LASER, HIGH TEMPERATURE TURBINE COMPONENT TEST FAC, SAND EROSION RIG, CENTRAL DATA ACQUISITION SYSTEM, AIRCRAFT SOLID STATE ELECTRICAL POWER FAC WITH THREE 350 HP DRIVE SOURCES AND AIRCRAFT SIMULATORS, VACUUM CHAMBERS, SOLAR SIMULATORS, FUEL CELL LAB

INSTALLATION AEROSPACE RESEARCH LABORATORIES WPAFB, OH

CDR. COL. R.W. MILLING CH. SCI. DR. HANS J.P. VON OHAIN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	9.640	0.000
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	1.200	0.000
TOTAL ANNUAL LAB	10.840	0.000
TOTAL INHOUSE	6.604	0.000
TOTAL INHOUSE RDT&E	5.404	0.000
ANNUAL OPERATING COST	1.185	0.000

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	69	24	53	16
CIVILIAN	174	45	86	88
TOTAL	243	69	139	104

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
34	69.335	39.679	34.217	143.231	13.510	19.430

...MISSION
SERVES AS MULTIDISCIPLINARY TECH. RESOURCE IN PHYS. AND ENGR. SCIENCES. PLANS AND CONDUCTS RESEARCH AIMED AT TECHNOLOGICAL INNOVATION. CONSULTS AND ASSISTS IN RESOLUTION OF TECHNOLOGICAL PROBLEMS AND FUNCTIONS AS A RESPONSIVE INSTRUMENT OF SCIENTIFIC EXPERTISE AND AWARENESS WITHIN AF.

...CURRENT IMPORTANT PROGRAMS
LABORATORY HAS BEEN DISESTABLISHED 30 JUNE 1975.
INTEG RSCH ON OPT, MAG-OPT, ELEC-OPT, ELECTRON PROP OF GALLIUM ARSENIDE. STUDIES OF GAS-SOLID INTERFACE REACTS AND INT PROCESS IN SOLID MATERIALS STUD IN MATH SCIENCES THAT RELATE TO RELIABIL, MAINTAINABIL, COST REDUCT SOLID MECHANICS OF MATERIALS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
ARL CONDUCTS AND SPONSORS RESEARCH IN: STRUCTURE AND PROPERTIES OF SOLIDS& CHEMICAL PROPERTIES AND PROCESSES& FLUID MECHANICS AND FLUID DYNAMIC FACILITIES& APPLIED MATH& PLASMA AND SOLID STATE PHYSICS& AND ENERGY CONVERSION. EXPERIMENTAL AND SUPPORT FACILIT./CAPABILITIES: GLASS SHOP, MACHINE SHOP AND 19,000 VOL. TECHNICAL LIBRARY& M3-6 HI-RE AND 4 HYPERSONIC BLOW-DOWN TUNNELS& FLOWING GAS SUPERSONIC COMBUSTION RIG& SUPERSONIC COMPRESSORE 1 MEV VAN DE GRAAFF AND ION-IMPLANTATION ACCELERATORS& EPR, NMR AND TANDEM ION-MOLECULE MASS SPECTROMETERS& FLOWING GAS LASER& TRANSMISSION AND SCANNING ELECTRON MICROSCOPE AND MICROPROBE& AND ULTRA-HI QUALITY CRYSTAL GROWTH CAPABILITY.

INSTALLATION AIR FORCE CIVIL ENGINEERING CENTER TYNDALL AFB FL

COR. COL ROBERT M. ITEN TECH DIR MR. ROBERT E. BRANDON

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.609	3.300
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	1.295	1.523
TOTAL OTHER	3.165	3.200
TOTAL ANNUAL LAB	5.069	8.023
TOTAL INHOUSE	3.983	4.373
TOTAL INHOUSE RDT&E	0.354	0.300
ANNUAL OPERATING COST	0.100	0.100

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	168	10	63	105
CIVILIAN	17	0	12	5
TOTAL	185	10	75	110

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
760	10.136	22.391	27.612	60.139	1.185	2.390

...MISSION
AFCEC PROVIDES TECHNICAL SERVICES AND PLANNING ASSISTANCE IN THE CIVIL ENGINEERING (CE) AND ENVIRONMENTAL PLANNING AREAS, FUNCTIONS AS USAF LEAD CENTER FOR CE AND ENVIRONMENTAL QUALITY R AND D, AND IS THE LEAD TESTING AGENCY FOR CE RELATED SYSTEMS, TECHNIQUES, MATERIALS, AND EQUIP.

...CURRENT IMPORTANT PROGRAMS
SURVIVABILITY/VULNERABILITY OF AEROSPACE FACILITIES
STANDARDIZED DESIGN OF AIR MOBILE TACTICAL SHELTERS
ENVIRONMENTAL QUALITY AND PLANNING RESEARCH
NONDESTRUCTIVE TESTING METHODS FOR AEROSPACE FACILITY PAVEMENTS
SPECIALIZED CIVIL ENGINEERING SERVICES AND ASSISTANCE TO USAF

...FUNCTIONS/EQUIPMENT/CAPABILITIES
AFCEC HAS LABORATORIES AND TEST SITES TO PERFORM QUALITATIVE AND QUANTITATIVE MEASUREMENTS ON CORROSION, ENGINEERING MATERIAL, PAVEMENTS, SOIL MECHANICS, AIR QUALITY, WASTE TREATMENT PROCESS, FIRE EXTINGUISHERS AND AGENTS, AND HARDENED AIRCRAFT SHELTERS. EQUIPMENT INCLUDES FLAME AND ABSORPTION SPECTROPHOTOMETERS, CATHODIC PROTECTION MEASURING EQUIP, PORTABLE RADIOGRAPHIC EQUIPMENT, ENVIRONMENTAL ROOM, SHEAR MEASURING EQUIPMENT, COMPACTORS, STABILITY AND VISCOSITY TESTERS, AND WATER/WASTE STANDARD METHODS EQUIPMENT. REMOTE TERMINAL ACCESS IS AVAILABLE TO A CDC 6600 SCIENTIFIC COMPUTER WITH OFF-LINE DRUM PLOTTING CAPABILITY. A FIRE TEST SITE HAS FUEL DISTRIBUTION AND FUEL/WATER SEPARATION SYSTEMS. A RUNWAY REPAIR TEST SITE HAS A 260X600 FT TYPICAL RUNWAY SECTION. A HARDENED AIRCRAFT SHELTER SITE HAS 3 SHELTERS FROM 48 TO 82 FT WIDE.

INSTALLATION AIR FORCE SATELLITE CONTROL FACILITY LOS ANGELES CA

CDR. COL ROBERT A VAN ARSDALL

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	2.606	3.130
TOTAL PROCUREMENT	0.410	7.522
TOTAL O&M	22.936	24.312
TOTAL OTHER	16.962	19.318
TOTAL ANNUAL LAB	42.914	54.282
TOTAL INHOUSE	26.319	31.459
TOTAL INHOUSE RDT&E	0.000	0.000
ANNUAL OPERATING COST	12.956	10.091

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	1431	1	291	1140
CIVILIAN	346	0	37	309
TOTAL	1777	1	328	1449

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
3329	85.266	124.202	494.803	704.271	38.984	155.942

...MISSION
AFSCF MISSION IS TO PROVIDE TRACKING, TELEMETRY, AND COMMANDING SUPPORT TO DOD SPACE PROGRAMS DURING THE R,D,T AND E (AND OPERATIONAL) PHASES, RECOVER REENTRY VEHICLES, AND-AS A NATIONAL RANGE-TO SUPPORT APPROVED NASA, COMMERCIAL, OR FOREIGN SPACE SYSTEMS.

...CURRENT IMPORTANT PROGRAMS
DEFENSE SUPPORT PROGRAM
DEFENSE SATELLITE COMMUNICATIONS SYSTEM
DEFENSE METEOROLOGICAL SATELLITE PROGRAM
SPACE TEST PROGRAM
VELA NUCLEAR BURST DETECTION SYSTEM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
REMOTE TRACKING STATIONS IN GUAM, HAWAII, INDIAN OCEAN, GREENLAND, NEW HAMPSHIRE, AND CALIFORNIA. PRELAUNCH CHECKOUT CAPABILITY AT ETR AND WTR. SOFTWARE AND HARDWARE DEVELOPMENT FACILITIES. ON-ORBIT PRECISION L AND X BAND RADIOMETRIC MEASUREMENTS. CLEAR OR SECURE COMMANDING. DIGITAL TELEMETRY UP TO ONE MEGABIT. FM TELEMETRY RECORDING TO 2 MHZ. TRACKING ACCURACY BETTER THAN ONE NM (ANGLES, RANGE, AND RANGE RATE). CONTROL CENTER AT SUNNYVALE, CA, HAS 7 MISSION CONTROL COMPLEXES SUPPORTING 145 SATELLITE CONTACTS PER DAY. RECOVERY FORCES AT HICKAM AFB ARE EQUIPPED WITH 12 C-130H AIRCRAFT, 3 C-130P TANKERS, AND 6 HH-53 SURFACE RECOVERY HELICOPTERS.

INSTALLATION ARMAMENT DEVELOPMENT AND TEST CENTER EGLIN AFB, FL.

COR. MG H.M.LANE

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	130.864	169.268
TOTAL PROCUREMENT	131.851	137.203
TOTAL O&M	4.164	4.340
TOTAL OTHER	64.135	62.899
TOTAL ANNUAL LAB	331.014	373.710
TOTAL INHOUSE	131.927	142.275
TOTAL INHOUSE RDT&E	73.989	83.564
ANNUAL OPERATING COST	67.000	67.491

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	4379	92	1247	3132
CIVILIAN	2900	20	484	2416
TOTAL	7279	112	1731	5548

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
464080	130.225	694.815	9977.678	10802.718	233.998	400.000

...MISSION
RESPONSIBLE FOR AIR-LAUNCH TAC AND AIR DEF MISSILES, NONNUC MUN, GUIDED WEAP, ELEC-OPTICAL WEP DEL SYS, A/C GUN, AMMO, RELATED EQUIP. RESPON FOR BASIC TECHNOLOGIES THRU DEVEL, TEST, ACQ AND DEPLOY. TEST MISSION INCL LEAD CENTER IN MUNITION, EMW,INTRUSION/INTERDICTION, AND CLIMATIC SIMUL.

...CURRENT IMPORTANT PROGRAMS
SPECIFIC FORCE INTEGRATED RECEIVER/ACCL, FX1 GYRO TEST/SFIR-J FX-1 TEST/
IMAGING IR FREE FLIGHT DEMO
FEASIBILITY DEMO B52/GBU15 W/S
OT AND E/IOT AND E EOGB-2
OT AND E/IOT AND E EOGB-2 PHASE 2

...FUNCTIONS/EQUIPMENT/CAPABILITIES
A CAPABILITY OF SCIENTIFIC/ENGINEERING PERSONNEL AND LABORATORIES FOR EXPL,ADV,&ENG DEV IN THE AREA OF NONNUCLEAR MUNITIONS. ARMAMENT SYSTEMS TEST ENVIRONMENT COVERING 728 SQ MI WITH LARGE ADJACENT WATER AREA& HAS 28 TEST AREAS WITH INSTRUMENTED FACILITIES INCLUDING PRECISION TRACKING RADARS AND PHOTO-OPTICS& IS USED FOR MUNITIONS TESTS AND ELECTROMAGNETIC TEST ENVIRONMENT& IS AN INSTRUMENTED COMPLEX OF THREAT SYSTEMS FOR EVAL OF E.M.W. DEVICES AND TECHNIQUES, WEAPONS EFFECTIVENESS AND SYS TEST ENVIRONMENT&PROVIDES A REALISTIC ENVIRONMENT FOR TESTING A WEAPON SYSTEM AGAINST AN ACTIVE DEFENSE SYS&A CLIMATIC LAB CAPABLE OF TESTING COMPLETE WPNS SYSTEMS, A COMPUTER SCIENCE LAB, A PHYSICAL SCIENCES LAB, A PHOTO LAB, AN INSTRUMENTATION/DESIGN/FABRICATION FACILITY, AEROBALLISTIC RESEARCH FAC, HIGH EXPLOSIVE R/D FACILITY,& A MISSILE SIM AND TEST LAB.

INSTALLATION ARNOLD ENGINEERING DEVELOPMENT CENTER TULLAHOMA, TN.

COR. COL. OLIVER H. TALLMAN CH. SCI. DR. WM. H. HEISER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	79.410	85.869
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.021	0.035
TOTAL OTHER	5.533	5.730
TOTAL ANNUAL LAB	84.964	91.634
TOTAL INHOUSE	81.326	87.623
TOTAL INHOUSE RDT&E	79.410	85.869
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	84	8	57	27
CIVILIAN	152	5	61	91
TOTAL	236	13	118	118

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
39875	1150.790	201.411	534.954	1887.155	371.962	64.263

...MISSION
PRIMARY MISSION IS TO SUPPORT THE TIMELY&ACQUISITION OF SUPERIOR AEROSPACE SYSTEMS BY CONDUCTING RESEARCH AND DEVELOPMENT TESTS IN GROUND ENVIRONMENTAL TEST FACILITIES WHICH SIMULATE THE ACTUAL CONDITIONS THAT THE HARDWARE WILL EXPERIENCE IN PERFORMING ITS MISSION

...CURRENT IMPORTANT PROGRAMS
CONTINUED B-1 ENGINE DEVELOPMENT TESTS AND AERODYNAMIC PERFORMANCE TESTS
CONTINUED F-15 STORE SEPARATION TESTS AND ENGINE COMPONENT IMPROVEMENT
CONDUCTED DEVELOPMENT TESTS ON F-16,A-10,A-7,H-X,AND COMPASS COPE
CONTINUED EXTENSIVE MINUTEMAN PSRE,PQA AND AGING AND SURVEILLANCE TESTS
OTHER SIGNIF TESTS. TRIDENT,ABRES,SPACE SHUTTLE,BIRD IMPACT,SENSOR PERF

...FUNCTIONS/EQUIPMENT/CAPABILITIES
AEDC IS COMPRISED OF ABOUT 40 TEST UNITS HAVING A REPLACEMENT VALUE OF $950 MILLION.INCLUDED ARE WIND TUNNELS WITH TEST SECTIONS TO 16 FT SQ AND SPEEDS FROM SUBSONIC TO MACH 22,TURBINE ENGINE TEST CELLS WHICH PROVIDE TRUE SIMULATION TO MACH 3,ROCKET TEST CELLS,THE LARGEST RATED AT .5 MILLION LBS THRUST AT ALTITUDE,SPACE SIMULATION CHAMBERS TO 42 FT DIA AND 82 FT HIGH,HYPERBALLISTIC RANGES,DUST AND SNOW EROSION FACILITY, BIRD IMPACT FACILITY,SEVERAL CAPTIVE TRAJECTORY SYSTEMS.THESE FACILITIES HAVE ESSENTIALLY SUPPORTED THE DEVELOPMENT AND QUALIFICATION OF EVERY MAJOR AERONAUTICAL,MISSILE AND SPACE SYSTEM DEVELOPMENT SINCE 1954. BY PLANNING FOR AN ADEQUATE GROUND ENVIRONMENTAL TEST PROGRAM IN THESE FACILITIES,DEVELOPMENT PROGRAM MANAGERS CAN ASSURE THAT SYSTEM DESIGN DEFICIENCIES ARE FOUND EARLY,PREVENTING COST AND SCHEDULE OVERRUNS.

INSTALLATION AVIONICS LABORATORY WPAFB, OH.

DIR DR. WILLIAM SPPERS CDR. COL J.R. KRAUSE

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	115.096	110.787
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	3.623	3.640
TOTAL ANNUAL LAB	118.719	114.427
TOTAL INHOUSE	19.123	18.140
TOTAL INHOUSE RDT&E	15.500	14.500
ANNUAL OPERATING COST	5.130	5.130

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	179	11	228	49
CIVILIAN	811	44	582	229
TOTAL	990	55	810	278

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
230	229.901	12.152	412.829	654.882	21.652	48.133

...MISSION
MAINTAINS A BASE OF AVIONICS TECH&DEVELOPS&DEMONSTRATES COST-EFFECTIVE AVIONIC SYSTEMS TO IMPROVE OPERATIONAL CAPABILITIES IN NAV,COMM,EW,RECON LOW COST HIGHLY RELIABLE INM/HR. ACCURACY INERTIAL REFERENCE SYSTEM UNITS&MODIFICATION OF AVIONICS IN THE INVENTORY.

...CURRENT IMPORTANT PROGRAMS
DIGITAL AVIONICS INTEGRATED SYSTEMS FOR AEROSPACE APPLICATIONS
GIMBALD ELECTROSTATIC GYRO FOR AIRCRAFT NAVIGATION (GEANS)
ELECTRONICALLY AGILE RADAR
MICRO-NAVIGATOR FOR LAB AND MOBILE TESTING
RADAR&GUIDANCE TECHNIQUES FOR DETECTION,TRACKING,ADVRS-WEATH&WEAP DELVRY

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONDUCTS IN-HSE R&D TO MAINTAIN A HIGH DEGREE OF TECHNICAL COMPETENCE. ACTS AS AFSC FOCAL POINT FOR INFO IN ASSIGNED TECHNICAL AREAS.EXECUTES ASSIGNED PROJECTS FOR AND WORKS CLOSELY WITH ARMY,NAVY,NASA,ARPA,&OTHER GOVT AGENCIES.SUPPORTS AFSC PROGRAMS AND INSURES THE RAPID APPLICATION OF RESEARCH&TECHNOLOGY TO ADVANCED SYSTEMS.PROVIDES TECHNICAL SUPPORT TO CURRENT&FUTURE SYSTEMS PROGRAMS&OPERATIONAL PROJECTS IN AREAS OF ASSIGNED MISSION.PERFORM CONCEPTUAL PLANNING,ANALYSIS&STUDIES MAJOR FAC/ EQUIP ARE-ELECTRO OPTICAL SURVEILLANCE FAC WITH 48 IN APERTURE-DYNAMIC ANALYZER FOR ADVANCED RECON SYSTEMS-LASER RESEARCH FAC-SOLID STATE INTEGRATED CIRCUITS LAB ELECTROMAGNETIC TECHS COUNTERMEASURES LAB INCL ECM OCM SIMULATION FAC.COMMUNICATIONS SYSTEMS EVALUATION LAB.

INSTALLATION CAMBRIDGE RESEARCH LABORATORY L.G. HANSCOM FLD, MS.

CDR. COL. BERNARD S. MORGAN,JR. CH. SCI. DR. J.N. HOWARD

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	56.232	61.688
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.001	0.001
TOTAL OTHER	2.761	3.089
TOTAL ANNUAL LAB	58.994	64.778
TOTAL INHOUSE	35.347	36.839
TOTAL INHOUSE RDT&E	32.659	33.838
ANNUAL OPERATING COST	6.649	6.355

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	154	17	54	100
CIVILIAN	903	155	562	341
TOTAL	1057	172	616	441

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
9662	578.747	14.813	119.768	713.328	20.668	56.390

...MISSION
CONDUCTS AND SUPPORTS AF RELEVANT RESEARCH AND EXPLORATORY DEVELOPMENT IN ENVIRONMENTAL,ENGINEERING, AND PHYSICAL SCIENCES WITH MAJOR EMPHASIS ON GEOPHYSICS AND ELECTRONICS. ALSO CONDUCTS AND SUPPORTS SPECIFICALLY ASSIGNED ADVANCED DEVELOPMENT EFFORTS.

...CURRENT IMPORTANT PROGRAMS
IONOSPHERIC MAPPING AND FORECASTING FOR COMMUNICATIONS
SHORT RANGE TERMINAL FORECASTING
RADIATION HARDENING OF DEVICES AND INTEGRATED CIRCUITS
OPTICAL, INFRARED AND UV BACKGROUND MEASUREMENTS
ENVIRONMENTAL DEFINITION FOR REENTRY PROGRAMS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONDUCTS RESEARCH AND TECHNICAL DEVELOPMENT IN TERRESTRIAL, AEROSPACE, OPTICAL AND SOLAR PHYSICS, IN EM PROPAGATION, AND IN ELECTRONICS, AND SOLID STATE PHYSICS RELATING TO AIR FORCE NEEDS. EQUIPMENT AND FACILITIES INCLUDE RADIO AND OPTICAL TELESCOPES FOR SOLAR RESEARCH: S, X, AND L BAND RADARS AND TWO C-130 AIRCRAFT FOR METEOROLOGICAL RESEARCH: ROCKET AND BALLOON LAUNCH FACILITIES, TWO KC-135 AND ONE C-130 AIRCRAFT FOR OPTICAL, UPPER ATMOSPHERIC AND NEAR SPACE STUDIES: FACILITIES FOR GROWTH OF ELECTRONIC MATERIALS, A VAN DE GRAFF ACCELERATOR, COBALT 60 SOURCE, 12 MEV LINAC, 29 FOOT MILLIMETER WAVE ANTENNA FOR ELECTRONICS RELATED PROGRAMS, AND A CDC 6600 COMPUTER SYSTEM.

INSTALLATION EASTERN TEST RANGE PATRICK AFB, FL

CDR. BG DON M. HARTUNG

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.000	0.000
TOTAL PROCUREMENT	1.777	2.031
TOTAL O&M	126.734	151.696
TOTAL OTHER	47.552	21.747
TOTAL ANNUAL LAB	176.063	175.474
TOTAL INHOUSE	72.218	82.234
TOTAL INHOUSE RDT&E	0.000	0.000
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	1361	0	151	1210
CIVILIAN	1852	4	107	1745
TOTAL	3213	4	258	2955

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
17527	165.439	1144.906	4520.054	5830.399	389.302	433.579

...MISSION
SUPPORT OF LAUNCH PROGRAMS FROM CCAFS AND KSC
INSTRUMENTATION AIRCRAFT SUPPORT TO ALL NATIONAL RANGES
OPERATION OF THE ARIS IN SUPPORT OF JSC REQUIREMENTS
SUPPORT OF SPECIAL PROJECTS, PROGRAMS, AND TENANT ACTIVITIES

...CURRENT IMPORTANT PROGRAMS
FBM PROGRAMS - POLARIS, POSEIDON, TRIDENT, CHEVALINE
MIL SPACE SUPPORT PROGRAMS - TITAN IIIC, ATLAS/AGENA
MIL MISSILE SUPPORT PROGRAMS - SRAM/JTU, PERSHING, SAM-D
NASA - THOR/DELTA, ATLAS/CENTAUR, TITAN IIIE/CENTAUR
NASA - SPACE SHUTTLE PROGRAM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MAINLAND INSTRUMENTATION AND COMMUNICATIONS
SCIENTIFIC DATA PROCESSING EQUIPMENT AND FACILITIES
GENERAL PHOTO/ELECTRO-OPTICAL SYSTEMS AND SERVICES
MISSILE IMPACT LOCATION SYSTEMS
INSTRUMENTED SHIPS AND AIRCRAFT FOR LAUNCH SUPPORT
RANGE TIMING SYSTEMS
METEOROLOGICAL WEATHER STATIONS AND EQUIPMENT
MAINTENANCE AND OPERATION OF CCAFS AND PATRICK AFB
SUPPORT OF MAINLAND SITES AND DOWNRANGE STATIONS
LAUNCH SUPPORT SERVICES AND GENERAL MANAGEMENT OF THE RANGE
INCLUDING PLANT ENGINEERING, COMMAND AND STAFF, CONTRACTOR
OPERATIONS, LABORATORY, MEDICAL, AND SPECIAL SERVICES

INSTALLATION FLIGHT DYNAMICS LABORATORY WPAFB, OH.

CDR COL A.E. PREYSS CH. SCI. H.A. MAGRATH

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	67.795	76.650
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.305
TOTAL OTHER	5.383	3.896
TOTAL ANNUAL LAB	73.178	80.851
TOTAL INHOUSE	29.250	26.672
TOTAL INHOUSE RDT&E	26.447	23.061
ANNUAL OPERATING COST	4.983	5.232

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	209	27	142	67
CIVILIAN	890	46	510	380
TOTAL	1099	73	652	447

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
90	590.130	61.300	204.719	856.149	25.759	60.000

...MISSION
PLAN AND EXECUTE USAF RESEARCH EXPLORATORY AND ADVANCED DEV PROGRAMS FOR AEROSPACE FLT VEHICLE STRUCTURES FLT MECHANICS FLT CONTROL VEHICLE DYN AND VEHICLE EQUIP. LEAD AFSC LAB FOR EXPER FLT.VEHICLES . AFSC FOCAL PT FOR NONNUCLEAR SURVIVABILITY PROG. EVALUATE CONTRACTOR I R AND D PROG.

...CURRENT IMPORTANT PROGRAMS
ADVANCED TECHNOLOGY WING
CONTROL CONFIGURED VEHICLE
X-24B LIFTING BODY VEHICLE
ADVANCED FIGHTER TECHNOLOGY INTEGRATOR
ADVANCED METALLIC AND COMPOSITE STRUCTURES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
50MW TEST FACILITY IS A 30 MIN CONTINUOUS FLOW ARC HEATED HYPERSONIC W/T HAVING A RE-ENTRY NOSE TIP (RENT) TEST LEG AND HYPERSONIC TEST LEG (HTL) STRUCTURES TEST FACILITY PERMITS STRUCTURAL TESTING OF FULL SCALE VEHICLES AND COMPONENTS WITH PROGRAM CONTROLLED SIMULATION OF FORCE AND THERMAL FLT ENVIRONMENTS. LANDING GEAR TEST FACILITY DYNAMICALLY SIMULATES LANDING GEAR COMPONENT PERFORMANCE CHARACTERISTICS THRU PROGRAMMED PARAMETERS OF LOADS VELOCITIES TEMP ETC. ENGINEERING FLT SIMULATION FAC CONTAINS FLT SIMULATORS AND COMPUTING EQUIP TO DEVELOP CONTROL DISPLAY CONCEPTS AND EVALUATE MANS PERFORMANCE ON SPECIFIC DISPLAY AND CONTROL SYSTEMS. SONIC FATIGUE FACILITY PROVIDES HIGH INTENSITY SOUND ENVIRONMENTS FOR FULL SIZE VEHICLES. BALLISTIC RANGES TEST VULNERABILITY FULL SIZE STRUCTURES UNDER FUEL STRUCTURAL AND AERODYNAMIC ENVIRONMENTS.

INSTALLATION FLIGHT TEST CENTER EDWARDS AFB, CA.

CDR MG T.J. STAFFORD TECH DIR F.N. STOLIKER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	62.622	65.369
TOTAL PROCUREMENT	0.006	0.002
TOTAL O&M	1.340	1.297
TOTAL OTHER	39.556	40.113
TOTAL ANNUAL LAB	103.524	106.781
TOTAL INHOUSE	86.883	88.278
TOTAL INHOUSE RDT&E	47.837	47.761
ANNUAL OPERATING COST	21.041	21.639

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	3291	3	209	3082
CIVILIAN	1684	9	288	1396
TOTAL	4975	12	497	4478

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
246323	457.124	254.789	6692.394	7404.307	188.136	79.551

...MISSION
PLANS,CONDUCTS/SUPPORTS AND REPORTS ON TESTS OF MANNED/UNMANNED AEROSPACE VEH. CONDUCTS FLIGHT EVAL/RECOV OF AEROSPACE RSCH VEH AND DEVEL TESTING OF AERODYNAMIC DECELERATORS.OPR USAF TEST PILOT SCH. SUPPORTS USAF, DOD, GOV, FOREIGN AND CONTRACTOR TEST AND EVAL PROGRAMS.

...CURRENT IMPORTANT PROGRAMS
F-15A DT AND E / IOT AND E
A-10 DT AND E
F-5E/F DT AND E
F-17 DT AND E
E-3A DT AND E

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TECHNICAL FACILITIES AND EQUIPMENT ARE AVAILABLE TO PROVIDE A COMPLETE RANGE OF SERVICES FOR CONDUCTING DT AND E FLT TESTS OF AERONAUTICAL SYS, TO CONDUCT FLT EVAL AND RECOV/RETRIEVAL OF RSCH VEH, AND TO TRAIN TEST PILOTS.ENGINEERING LABS, REALTIME INSTRUMENTED RANGES, DATA COLLECTION, REDUCTION AND ANALYSIS LABS, PHOTO/TV, ACFT/ENGINE MAINT, TEST EQUIP, ELECTRONICS SHOPS, AND A COMPLEX OF DRY LAKES FOR RECOVERY AND EMERGENCY LANDINGS PROVIDE VARIOUS SUPPORT FOR ALL TEST PROGRAMS. OTHER MAJOR FACILITIES ARE PRECISION IMPACT, GUNNERY/BOMBING, INFRARED PHOTO RESOLUTION, RADAR FIDELITY, TACTICAL AND OPTICAL RANGES, CONTRACTOR ASSIGNED HANGARS,SHOPS,LABORATORIES,OFFICE SPACE, ENGINEERING SIMULATION LABORATORY AND MUNITIONS STORAGE AND CHECKOUT

INSTALLATION FRANK J. SEILER RESEARCH LABORATORY USAF ACADEMY, CO.

CDR. COL. M.D.BACON CH. SCI. LT.COL T.M. TOMASKOVIC

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	0.612	0.790
TOTAL PROCUREMENT	0.612	0.790
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.493	0.550
TOTAL ANNUAL LAB	1.717	2.130
TOTAL INHOUSE	1.577	1.830
TOTAL INHOUSE RDT&E	0.542	0.640
ANNUAL OPERATING COST	0.040	0.045

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	21	15	20	1
CIVILIAN	9	1	3	6
TOTAL	30	16	23	7

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
0	9.400	3.200	0.240	12.840	1.300	1.695

...MISSION
CONDUCT RESEARCH IN AEROSPACE-MECHANICS,APPLIED MATHEMATICS & CHEMISTRY. ENCOURAGE & SUPPORT ACADEMY FACULTY & CADET RESEARCH BY DIRECT PARTICIATION,MONITOR FACULTY CONSULTANT PROG,SUMMER LAB PROG, FOCAL POINT FOR USAF ACADEMY RESEARCH PROPOSED TO AFSC/DL RESEARCH & TECHNOLOGY LABS.—

...CURRENT IMPORTANT PROGRAMS
THEORETICAL AND SYNTHETIC RESEARCH ON ENERGETIC MATERIALS ,POWER SUPPLIES BASED ON LOW TEMPERATURE MOLTEN SALT ELECTROLYTES———. MODELING,OPTIMIZATION,PROGRAMMING & CONTROL (MATH MODELS GUIDANCE SYSTS) NONLINEAR CONTROL THEORY & ESTIMATES,FILTERING,&MICROPROCESSOR RSCH. — FLUID MECHANICS,SHOCK WAVE RSCH, AERODYNS. OF SHAPES,FLOW VISUALIZATION.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MATH MODELING&OPTIMIZATION OF GUIDANCE & CONTROL SYSTS USING BURR. B6700 COMPUTER. ENERGETIC MATERIALS RESEARCH, ELECTROCHEMISTRY IN A SIX —— POSITION LABORATORY AND INSTRUMENT ROOM CONTAINING IR AND UV SPECTRO-PHOTOMETERS X-RAY, NMR AND MASS SPECTROMETERS, GAS AND LIQUID——— CHROMATOGRAPHIC & ASSOC. EQUIPMENT. — GASDYNAMIC RESEARCH USING 17-INCH LOW DENSITY SHOCK TUBE & VUV INSTRUMENTATION, AERODYNAMIC RESEARCH IN USAFA SUBSONIC & TRISONIC WIND TUNNELS, HOLOGRAPHIC & OTHER OPTICAL FLOW VISUALIZATION INSTMTS.—— ADVANCED ANALYSIS & EVALUATION TECHNIQUES FOR INERTIAL GUIDANCE SENSORS USING 2-AXIS TEST TABLE (GYRO), AUTOMATIC AZIMUTH ALIGNMENT EQUIPMENT AND ELECTRONIC CONTROL EQUIPMENT FOR 50 SERIES INERTIAL DEVICES LOCATED IN A CLASS 1000 CLEAN LAB. ON 80 TON AIR SUPPORTED STABLE PLATFORM-INCL. COMPUTER&SOFTWARE TO AUTOMATE GYRO RSCH.

INSTALLATION HUMAN RESOURCES LABORATORY BROOKS AFB, TX.

CDR. COL. H.E. FISCHER VCDR COL DAN D. FULGHAM

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	14.144	13.222
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	1.698	1.783
TOTAL ANNUAL LAB	15.842	15.005
TOTAL INHOUSE	8.150	6.786
TOTAL INHOUSE RDT&E	6.452	5.003
ANNUAL OPERATING COST	0.939	1.060

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	126	13	43	83
CIVILIAN	238	40	105	133
TOTAL	364	53	148	216

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLION $)	
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
13	70.325	31.071	61.741	163.137	2.889	27.823

...MISSION
PRINCIPAL AFSC ORGANIZATION CHARGED WITH PLANNING AND EXECUTING EXPLORATORY AND ADVANCED DEVELOPMENT PROGRAMS FOR SELECTION, MOTIVATION, TRAINING, RETENTION, EDUCATION, UTILIZATION AND CAREER DEVELOPMENT OF AF MILITARY PERSONNEL, COMPOSITION OF PERSONNEL FORCE, AND TRAINING EQUIP.

...CURRENT IMPORTANT PROGRAMS
ADVANCED INSTRUCTIONAL SYSTEMS AND ADVANCED SIMULATION FOR UNDERGRADUATE PILOT AND AEROSPACE CREW TRAINING. IMPROVED PERSONNEL SELECTION, CLASSIFICATION, EVALUATION AND UTILIZATION TECHNIQUES. HUMAN FACTORS IN DESIGN OF TRAINING SYSTEMS. DESCRIBING, EVALUATING AND STRUCTURING AF OCCUPATIONS. DOD MANPOWER DEVELOPMENT PROGRAM EVALUATION AND IMPROVEMENT.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
OCCUPATIONAL ANALYSIS, PERSONNEL PROCUREMENT, CLASSIFICATION, RETENTION AND SEPARATION, COMPUTER SIMULATION MODELS FOR PERSONNEL SYSTEMS, MANPOWER RQMTS OF AF WEAPONS SYS, TRNG TECHNIQUES, DESIGN OF SIMULATORS AND OTHER TRNG DEVICES, CONDUCT TRNG RESEARCH ASSOCIATED WITH PILOT TRNG USING SOPHISTICATED HIGH-FIDELITY A/C SIMULATORS, ADVANCED INSTRUCTIONAL SYS FOR INDIVIDUALLY PACED COMPUTER AIDED TECH INSTRUCTION, ADVANCED SIMULATOR FOR UPT, ADVANCED INSTRUCTIONAL SYSTEM, SIMULATION AND TRAINING ADVANCED RESEARCH SYSTEM. TECHNICAL LIBRARY, PERSONNEL TESTING ROOMS, COMPUTER, UNIVAC 1108 ELECTRONIC DATA PROCESSING SYSTEM WITH 2 CPUS, 12 TAPE DRIVES, 16 UNISCOPE INTERACTIVE TERMINALS, GRAPHICS DISPLAY CONSOLE, 2 PRINTERS, CARD READER, CARD PUNCH. ELEC ASSOC TR 48 ANALOG COMPUTER.

INSTALLATION MATERIALS LABORATORY WPAFB, OH.

DIR MR. G.P.PETERSON CDR COL L.D. WHIPPLE

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	44.926	37.468
TOTAL PROCUREMENT	20.500	22.500
TOTAL O&M	0.000	0.000
TOTAL OTHER	1.260	1.351
TOTAL ANNUAL LAB	66.686	61.319
TOTAL INHOUSE	11.538	13.312
TOTAL INHOUSE RDT&E	10.278	11.961
ANNUAL OPERATING COST	3.527	3.876

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	54	19	64	10
CIVILIAN	335	54	225	110
TOTAL	389	73	289	120

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
14	201.133	22.760	111.156	335.049	17.532	13.154

...MISSION
PLAN/EXECUTE EXPLORATORY AND ADVANCED DEVELOPMENT, AND ASSIGNED BASIC RSCH. PROGS. FOR MATERIALS. PROVIDE TECH./MANAGEMENT ASSISTANCE FOR STUDIES, ANALYSES, DEVELOPMENT PLANNING, ACQUISION, TEST, EVALUATION MOD. AND OPN. OF AEROSPACE SYSTEMS. MANAGE/DIRECT A.F. DIRECT MFG. PROG.

...CURRENT IMPORTANT PROGRAMS
ADVANCED DEVEL. PROG.,COMPOSITES,METALS,AND LASER HARDENING
MANUFACTURING TECHNOLOGY COST REDUCTION PROGRAM
THERMAL PROTECTION MATERIALS FOR REENTRY VEHICLES
PROPULSION MATERIALS
SYSTEMS SUPPORT

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MATERIALS RESEARCH AND DEVELOPMENT FACILITIES AND CAPABILITIES FOR: AEROSPACE STRUCTURES,TPS FOR BALLISTIC RV,AND ENGINES,FLUIDS,LUBRICANTS. FLUID CONTAINMENT PROPULSION,COATINGS,FIBERS, EM WINDOWS, SENSORS, DISPLAYS,LASER WINDOWS,AND OPT DEVICES,ELECT COMPONENTS,NON-DESTRUCT. TESTING,POLYMERS,ADHESIVES,NONMETALLIC MATRIX COMPOSITES,ELASTOMERS, METALS, ALLOYS, METAL COMPOSITES, METAL PROCESSING, INTERMETALLICS, CERAMICS, STATIC AND DYNAMIC BEHAVIOR, JOINING,GRAPHITE, ELECTRONIC, PHYSICAL-CHEMICAL ANALYSIS. OTHER MAJOR MATERIALS FUNCTIONS: MANUFACTURING TECHNOLOGY, SYSTEMS APPLICATION, SYSTEMS SUPPORT, THERMAL PROTECTION MATERIALS.

INSTALLATION ROCKET PROPULSION LABORATORY EDWARDS AFB, CA.

CDR. COL. EARL B. ESSING CH. SCI. DR. RICHARD W. WEISS

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	27.583	24.787
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	2.207	4.343
TOTAL ANNUAL LAB	29.790	29.130
TOTAL INHOUSE	11.801	13.401
TOTAL INHOUSE RDT&E	9.719	10.830
ANNUAL OPERATING COST	0.285	0.310

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	178	8	75	103
CIVILIAN	269	11	94	175
TOTAL	447	19	169	278

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
54400	419.046	86.848	4.780	510.674	29.869	22.579

...MISSION
CONDUCT THE AIR FORCE'S ROCKET PROPULSION EXPLOATORY AND ADV DEVEL. PROGRAMS TO PROVIDE ADV TECH FOR FUTURE ICBM'S, STRATEGIC AND TACTICAL AIR-LAUNCHED MISSILES, SPACE VEHICLES, AND SATELLITES. PROVIDES ROCKET PROPULSION TECH SUPPORT TO DOD AND NON-DOD AGENCIES.

...CURRENT IMPORTANT PROGRAMS
IMPROVE SOLID BALLISTIC MISSILE PROPELLANTS AND ASSOC HARDWARE. REDUCE COST OF LIQUID POST-BOOST PROPULSION. IMPROVE AIR LAUNCH PROPULSION PERFORMANCE AND REDUCE LIFE CYCLE COSTS. REDUCE AIR LAUNCH MISSILE OBSERVABLES. EXTEND SATELLITE MONOPROPELLANT THRUSTER LIFE. CHARACTERIZE ROCKET EXHAUST PLUMES.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
A CHEM LAB FOR SYNTHESIS, ANALYSIS AND FORMULATION OF NEW PROPELLANTS. FACILITIES FOR MIXING, CASTING, CURING AND TESTING SOLID ROCKET MOTORS. A SOLID MOTOR TEST AND EVAL COMPLEX FOR INVESTIGATION OF COMBUSTION, AGING, STRUCTURAL INTEGRITY, BALLISTIC PERFORMANCE AND HIGH TEMP COMPONENTS. LAB FOR TESTING SMALL ATTITUDE CONTROL AND SATELLITE PROPULSION SYSTEMS AND COMPONENTS UNDER SIMULATED SPACE ENVIRONMENTS. AMBIENT AND ALTITUDE TESTING OF TOXIC ROCKETS, UP TO 50,000 POUND THRUST . A FACILITY FOR TESTING LIQUID OR SOLID ROCKETS. IN-HOUSE ANALYTICAL CAPABILITY FOR DESIGN, ANALYSIS, AND TEST DATA REDUCTION, SHOPS FOR FABRICATING TEST HARDWARE AND TEST SYSTEMS. A FULL SCALE REENTRY NOSE CONE TEST FACILITY.

INSTALLATION ROME AIR DEVELOPMENT CENTER GRIFFISS AFB, N.Y.

CDR. COL. LLOYD H. GIESY CH. SCI. DR. IRVING J. GABELMAN

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	58.134	59.300
TOTAL PROCUREMENT	40.597	42.000
TOTAL O&M	12.765	12.750
TOTAL OTHER	48.296	48.200
TOTAL ANNUAL LAB	159.792	162.250
TOTAL INHOUSE	19.755	20.200
TOTAL INHOUSE RDT&E	13.060	14.000
ANNUAL OPERATING COST	12.135	12.750

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	294	10	109	185
CIVILIAN	1125	12	521	604
TOTAL	1419	22	630	789

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
1494	808.827	102.315	233.713	1144.855	27.248	52.000

...MISSION
ACTS AS THE PRINCIPAL AFSC ORGANIZATION CHARGED WITH PLANNING AND EXECUTING THE USAF EXPLORATORY AND ADVANCED DEVELOPMENT PROGRAMS FOR INFORMATION SCIENCES, INTELLIGENCE, AND COMMAND, CONTROL AND COMMUNICATIONS TECHNOLOGY AND PRODUCTS AND SERVICES ORIENTED TO THE NEEDS OF THE USAF.

...CURRENT IMPORTANT PROGRAMS
ELECTROMAGNETIC RELIABILITY AND COMPATIBILITY TECH AND FIELD SUPPORT
ARRAY RADAR AND ECCM EXPERIMENTS AND DEVELOPMENTS
TECHNIQUES FOR EXPLOITATION OF INTEL DATA AND RECON IMAGERY
AUTOMATED TECHNICAL CONTROL OF TRANSMISSION LINES
ELECTRONIC WARFARE THREAT SIMULATORS FOR EW TRAINING

...FUNCTIONS/EQUIPMENT/CAPABILITIES
RADC MISSION AREAS ARE COMMUNICATIONS, ELECTROMAGNETIC GUIDANCE AND CONTROL, SURVEILLANCE OF GROUND AND AEROSPACE OBJECTS, INTELLIGENCE DATA HANDLING, INFORMATION SYSTEM TECHNOLOGY, AND ELECTRONIC RELIABILITY, MAINTAINIBILITY AND COMPATIBILITY. RADC HAS MISSION RESPONSIBILITY AS ASSIGNED BY AFSC FOR DEMONSTRATION AND ACQUISITION OF SELECTED SUBSYSTEMS AND SYSTEMS IN THE INTELLIGENCE, MAPPING, CHARTING, COMMAND, CONTROL AND COMMUNICATIONS AREAS. THROUGH USE OF FLEXIBLE ONBASE AND OFFBASE EXPERIMENTAL FACILITIES A HIGH DEGREE OF SOPHISTICATION IS ACHIEVED FOR CONDUCTING ELECTROMAGNETIC STUDIES AND EXPERIMENTS. FACILITIES INCLUDE A HIGH POWER LAB, DIGITAL COMM EXPER FAC. AN EXPERIMENTAL CARTOGRAPHIC FACILITY, AN ELECTROMAGNETIC VULNERABILITY FAC. A PHYSICS OF FAILURE TESTING FAC, A TROPOSCATTER TEST RANGE, VLF EXPER FAC, OTH RADAR EXPER FAC, ANTENNA PATTERN MEASUR FACILITY

INSTALLATION SPACE AND MISSLE TEST CENTER VANDENBURG AFB, CA.

CDR MG WARNER E. NEWBY ATG TECH DIR MR. EUGENE E. CLARY

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	49.878	52.732
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	19.089	22.668
TOTAL ANNUAL LAB	68.967	75.400
TOTAL INHOUSE	17.613	18.299
TOTAL INHOUSE RDT&E	10.488	10.940
ANNUAL OPERATING COST	0.055	0.071

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	395	2	177	218
CIVILIAN	338	0	112	226
TOTAL	733	2	289	444

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
55567	91.407	334.384	431.954	857.745	94.520	0.000

...MISSION
MANAGE SPACE, MISSILE, AND AERONAUTICAL TEST OPERATIONS. DEVELOP, MANAGE , AND OPERATE SAMTEC AS A NATIONAL RANGE IN SUPPORT OF DOD AND NON-DOD PROGRAMS.

...CURRENT IMPORTANT PROGRAMS
MINUTEMAN II AND III OPERATIONAL TESTING
BALLISTIC MISSILE DEFENSE TEST TARGET PROGRAM USING TITAN BOOSTERS
APRES PROGRAMS
CLASS AND UNCLASS SPACE LAUNCHES USING ATLAS, THOR, TITAN, AND SCOUT
MINUTEMAN III R AND D

...FUNCTIONS/EQUIPMENT/CAPABILITIES
SAMTEC CAPABILITIES INCLUDE TEST LAUNCH AND RANGE SUPPORT. TEST LAUNCH INCLUDES - ASSEMBLY AND PRELAUNCH TESTING OF LAUNCH VEHICLE SYSTEMS USING THOR, ATLAS, SCOUT, M/M AND TITAN BOOSTERS - AGENA AND TITAN III UPPER STAGES - PAYLOAD AND VEHICLE INTEGRATION AND CHECKOUT - AND LAUNCH CONTROL. RANGE SUPPORT INCLUDES NEAR AND FAR TERM RANGE INSTRUMENTATION PLANNING, DATA GATHERING ON BALLISTIC/ORBITAL/PROBE LAUNCHES, AERONAUTICAL SYSTEMS, AND OTHER TESTS. VARIOUS FIXED AND MOBILE TELEMETRY SYSTEMS , TRACKING RADARS, AND OPTICS SYSTEMS ARE AVAILABLE. LAUNCH AZIMUTHS VARY FROM 165 TO 310 DEGREES. IMPACT SCORING OF BALLISTIC PAYLOADS IS AVAILABLE AT ISLAND SITES. AERONAUTICAL FLIGHTS ARE CONDUCTED IN A WELL INSTRUMENTED OFFSHORE TEST AREA. LAUNCH FACILITIES AND RANGE INSTRUMENTATION CAN BE RECONFIGURED TO MEET PROGRAM REQUIREMENTS.

INSTALLATION USAF SCHOOL OF AEROSPACE MEDICINE BROOKS AFB, TX.

CDR. COL. R.F. MCIVER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	10.404	11.322
TOTAL PROCUREMENT	0.097	0.084
TOTAL O&M	1.498	1.867
TOTAL OTHER	7.319	7.500
TOTAL ANNUAL LAB	19.318	20.773
TOTAL INHOUSE	17.284	18.198
TOTAL INHOUSE RDT&E	8.436	8.777
ANNUAL OPERATING COST	3.312	3.260

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	392	48	103	289
CIVILIAN	289	32	107	182
TOTAL	681	80	210	471

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
74	407.093	88.020	55.013	550.126	15.188	21.807

...MISSION
CONDUCT EXPLORATORY RESEARCH AND DEVELOPMENT PROGRAMS IN AEROSPACE BIO-TECHNOLOGY. INCLUDES LIFE SUPPORT, AEROSP MEDICINE, RADIOBIOLOGY, AND OTHER BIOMEDICAL PROGRAMS. PROVIDE MEDICAL EVALUATION AND CONSULTATION FOR FLYING PERSONNEL WITH MEDICAL PROBLEMS AFFECTING FLIGHT STATUS.

...CURRENT IMPORTANT PROGRAMS
MEDICAL ASPECTS OF AEROSPACE OPERATIONS
CREW RESPONSE TO ACCELERATION AND MISSION DURATION IN USAF SYSTEMS
MAN-ATMOSPHERE ENVIRONMENT INTERACTION IN USAF SYSTEMS
BIOMEDICAL HAZARDS AND NUCLEAR FLASH PROTECTION
RADIOBIOLOGY IN AEROSPACE OPERATIONS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
USAF SCHOOL OF AEROSPACE MEDICINE - RESEARCH IN AEROSPACE MED PROBLEMS. ENVIRONMENTAL STRESS, DEVELOPMENTAL ENGINEERING, RADIOBIOLOGY, LASER HAZARDS, BIOMETRICS, BIOMEDICAL ENGINEERING AND EPIDEMIOLOGY FACILITIES. WHOLE BODY COUNTER, HUMAN CENTRIFUGE, VARIOUS TEST CELLS AND RESEARCH CHAMBERS, NEUTRON GENERATOR, ROTATIONAL FLIGHT SIMULATOR, KILO-CURIE-COBALT 60 RADIATION SOURCE, AEROSPACE MEDICAL SCIENCE LAB, AEROSPACE MEDICAL CONSULTATIVE SERVICES, AEROMEDICAL EVALUATION. CLINICAL SCIENCE, OCULOTHERMAL, RESEARCH OPTICAL, AUDIOLOGY, VESTIBULAR, PSYCHOBIOLOGY, RADIOISOTOPE, AEROMEDICAL STANDARDS, AND LASER HAZARDS FACILITIES. ZEISS PHOTO-COAGULATOR, VECTORCARDIOGRAPH MACHINE, BALLISTOCARDIOGRAPH MACHINE, PHONO CARDIOGRAPH MACHINE, AND MASS SPECTROMETERS.

INSTALLATION WEAPONS LABORATORY KIRTLAND AFB, N.M.

CLR. COL. G.J. FREYER CH. SCI. DR. A.H. GUENTHER

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	102.836	115.730
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.150	0.150
TOTAL OTHER	9.976	10.896
TOTAL ANNUAL LAB	112.962	126.776
TOTAL INHOUSE	31.502	34.336
TOTAL INHOUSE RDT&E	21.662	23.540
ANNUAL OPERATING COST	1.212	2.315

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	676	106	476	200
CIVILIAN	460	33	224	236
TOTAL	1136	139	700	436

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
702	419.915	123.071	112.169	655.155	12.437	37.385

...MISSION
RESPONSIBLE FOR EXPLORATORY-,ADVANCED-,AND ENGRG DEV PRGMS IN NUC WPN EFFECTS, COMPONENTS, ADVANCED WPN TECHNOLOGY, LASER SYS, RADN HAZARDS, NUC SURVIVABILITY/VULNERABILITY. DEV SYS NUC HARDNESS CRITERIA, ASSESSES SYS, NUC SAFETY. CONDUCTS CIV ENGRG EXPLORATORY- AND ADVANCED DEV PRGMS.

...CURRENT IMPORTANT PROGRAMS
ADVANCED RADIATION TECHNOLOGY
ADVANCED WEAPON TECHNOLOGY
NUCLEAR SURVIVABILITY/VULNERABILITY ANALYSIS AND TESTING
NUCLEAR SAFETY ANALYSIS AND DESIGN CRITERIA
NUCLEAR WEAPONS EFFECTS ANALYSIS AND TESTING

...FUNCTIONS/EQUIPMENT/CAPABILITIES
NUCLEAR WEAPONS EFFECTS SIMULATION,SAFETY,COMPONENT ASSESSMENT AND ANALYSIS OF WEAPONS SYSTEMS NUCLEAR HARDNESS ARE CONDUCTED IN NUCLEAR ENGINEERING TEST LABORATORIES AND PHYSICS LABORATORIES. SIMULATION TESTS ON MISSILES, AIRCRAFT, AND COMPONENTS USE ELECTROMAGNETIC PULSE SIMULATORS, GAS GUNS, PULSE POWER, AND X-RAY DEVICES. LASER SYSTEMS DEVELOPMENT USES LASER/OPTICS LABORATORIES AND TEST RANGES WITH LARGE,HIGH POWER DEVICES. CIVIL ENGINEERING PROGRAMS USE SOILS-,ENVIRONMENTAL-,AND CHEMICAL LABORATORIES AND SHOCK TUBES OR HIGH EXPLOSIVES FOR SIMULATION. A TECHNICAL LIBRARY, METALLURGY- AND METROLOGY LABORATORIES, A CDC-7600 COMPUTER WITH REMOTE ACCESS TERMINALS AND MULTI-CHANNEL SENSING/RECORDING AND DATA REDUCTION SUPPORT ALL REQUIRING RDT/E PROGRAMS.

INSTALLATION 6570 AEROSPACE MEDICAL RESEARCH LABORATORY WPAFB, OH

CDR. COL. F.F. DOPPELT

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	11.090	12.312
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	2.018	2.100
TOTAL ANNUAL LAB	13.108	14.412
TOTAL INHOUSE	7.437	7.058
TOTAL INHOUSE RDT&E	5.419	4.958
ANNUAL OPERATING COST	1.080	1.125

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	133	25	66	67
CIVILIAN	160	25	97	63
TOTAL	293	50	163	130

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
30	223.459	10.000	15.200	248.659	11.693	16.796

...MISSION
ACCOMPLISH BEHAVIORAL AND BIOMEDICAL RESEARCH AND DEVELOPMENT TO DEFINE HUMAN TOLERANCE AND DEGRADATION OF HUMAN PERFORMANCE UNDER THE CONDITION OF ENVIRONMENTAL STRESS ASSOCIATED WITH AEROSPACE OPERATIONS AND PROVIDE SUPPORT TO SYSTEM DEVELOPMENT IN THE ABOVE AREAS.

...CURRENT IMPORTANT PROGRAMS
DEFINE TOXIC HAZARDS ENVIR POLLUTION EFF OF MISSILE OPS-PROPELLANT TEST
DEV HUMAN ENGINEERING DESIGN CONCEPTS FOR INTERACTION WITH HARDWARE.
DEV OPTICAL COUNTERMEASURE MECHANISMS FOR ADV DEV PROGRAM APPLICATIONS.
EFF OF OPERATIONAL NOISE AND VIBRATION ENVIRONMENTS ON AF PERSONNEL-OPS
INV OF COMBINED STRESSES AND THEIR IMPACT ON HUMAN OPERATOR PERF METRICS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DYNAMIC ENVIRONMENT SIMULATOR-A SIX DEGREE OF FREEDOM MAN-RATED CENTRIFUGE USED TO SIMULATE SUSTAINED ACCELERATIONS SUCH AS THOSE ENCOUNTERED IN AIR COMBAT MANEUVERING OR IN ESCAPE AND RE-ENTRY IN MANNED SPACE FLIGHT. THOMAS DOMES-EIGHT ALTITUDE EXPOSURE CHAMBERS TO SIMULATE EXOTIC ARTIFICIAL ATMOSPHERIC CONDITIONS.
HUMAN ENGINEERING SYSTEMS SIMULATOR FACILITY USED TO PERFORM REAL-TIME MAN-IN-THE-LOOP EXPERIMENTS AND DATA ANALYSIS.ANECHOIC AND REVERBERATION CHAMBERS TO ENABLE EXP INVESTIGATIONS OF POTENTIALLY HAZARDOUS NOISE TO DETERMINE EFFECTS ON BODY FUNCTION AND PERFORMANCE.VERTICAL DECELERATION TOWER USED IN BIODYNAMIC RESEARCH TO SIMULATE IMPACT ASSOCIATED WITH AEROSPACE SYSTEM OPS. VIVARIUM-LABORATORY RESEARCH ANIMAL FACILITY.

INSTALLATION ARMED FORCES RADIOBIOLOGY RES. INSTITUTE BETHESDA,MD

CDR. COL LA WAYNE R. STROMBERG

PROGRAM DATA BY FISCAL YEAR (MILLION $)

PROGRAM	1975 (ACTUAL)	1976 (ACT + EST)
TOTAL RDT&E	3.857	3.881
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	1.382	1.653
TOTAL ANNUAL LAB	5.239	5.534
TOTAL INHOUSE	5.239	5.534
TOTAL INHOUSE RDT&E	3.857	3.881
ANNUAL OPERATING COST	1.245	1.285

PERSONNEL DATA (END OF FY 1975)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON-PROF
MILITARY	87	19	53	34
CIVILIAN	137	19	63	74
TOTAL	224	38	116	108

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET) LAB	ADMIN	OTHER	TOTAL	COST (MILLION $) REAL PROP	EQUIP
10	42.335	21.049	42.339	105.723	7.910	3.724

...MISSION
THE MISSION OF AFRI SHALL BE TO
CONDUCT SCIENTIFIC RESEARCH IN THE FIELD OF RADIOBIOLOGY AND
RELATED MATTERS THAT ARE ESSENTIAL TO THE
MEDICAL SUPPORT OF THE DEPARTMENT OF DEFENSE

...CURRENT IMPORTANT PROGRAMS
EFFECTS OF IONIZING RADIATION ON BEHAVIOR
ACTUE AND CHRONIC EFFECTS OF NON-IONIZING ELECTROMAGNETIC RADIATION.
DEVELOP-TEST-EVALUATE RADIOPHARMACEUTICALS TO DIAGNOSE AND TREAT DESEASE
PROCESS. DETERMINE NEUROLOGIC AND BIOCHEMICAL CHANGES ASSOCIATED WITH
RADIATION-IMPACT INJURY. STIMULATION OF MARROW RECOVERY POSTIRRADIATION.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FUNCTIONS: OPERATE FACILITIES FOR CONDUCTING RADIOBIOLOGY RESEARCH AND
DISSEMINATE RESULTS: CONDUCT ADVANCED TRAINING: OPERATE FACILITIES FOR
PRODUCTION OF SHORT-LIVED RADIOISOTOPES: AND PERFORM OTHER SUCH RESEARCH
FUNCTIONS AS REQUIRED. MAJOR EQUIPMENT INCLUDES: PULSE AND STEADY STATE
NUCLEAR REACTOR, 300,000-CURIE COBALT-60 IRRADIATOR, E ION
ELECTRON MICROWAVE LINEAR ACCELERATOR, X-RAY MACHINES WITH CHINES WITH
ASSOCIATED EXPOSURE ROOM COMPLEXES GENERATOR.
SUPPORT SERVICES INCLUDE: MEASUREMENT OF RADIATION FIELDS, PROVISION AND
CARE OF LABORATORY ANIMALS, EQUIPMENT DESIGN AND FABRICATION ASSISTANCE,
REAL-TIME DATA AQUISITION SYSTEM, TELEVISION AND FILM DOCUMENTATION OF
EXPERIMENTS, PERSONNEL AND ENVIRONMENTAL MONITORING, EDITORIAL
ASSISTANCE IN REPORT PREPARATION, AND A LARGE TECHNICAL LIBRARY.

APPENDIX I

CHANGES IN ORGANIZATION OR NAME *

DEPARTMENT OF THE ARMY

PREVIOUS	AS OF 1 JULY 1975
US ARMY MEDICAL RESEARCH LABORATORY Fort Knox, KY	DISESTABLISHED
	JEFFERSON PROVING GROUND Madison, IN
	KWAJALEIN MISSILE RANGE Marshall Islands, TTPI

DEPARTMENT OF THE NAVY

	ATLANTIC FLEET TRAINING FACILITY Roosevelt Rhodes, P.R.
	CIVIL ENGINEERING LABORATORY Port Hueneme, CA
NAVAL AIR ENGINEERING CENTER Philadelphia, PA	NAVAL AIR ENGINEERING CENTER Lakehurst, NJ
NAVAL MISSILE CENTER Point Mugu, CA	PACIFIC MISSILE TEST CENTER Point Mugu, CA
NAVAL ORDNANCE LABORATORY White Oak, MD	NAVAL SURFACE WEAPONS CENTER Silver Springs, MD
NAVAL SPACE SYSTEMS ACTIVITY Los Angeles, CA	No longer meets report definition
NAVY TOXICOLOGY UNIT, NNMC Bethesda, MD	DISESTABLISHED
	NAVAL UNDER WATER RANGES DIRECTORATE Newport, RI
NAVAL UNIT, FORT DETRICK Fort Detrick, MD	DISESTABLISHED
NAVAL WEAPONS LABORATORY Dahlgren, VA	DISESTABLISHED
PACIFIC MISSILE RANGE Point Mugu, CA	DISESTABLISHED

APPENDIX I

CHANGES IN ORGANIZATION OR NAME (continued) *

DEPARTMENT OF THE AIR FORCE

PREVIOUS	AS OF 1 JULY 1975
AEROSPACE RESEARCH LABORATORY Wright Patterson AFB, OH	DISESTABLISHED

* Changes since publication of Department of Defense In-House RDT&E Activities, 30 October 1974.

APPENDIX II

Definitions

1. IN-HOUSE RDT&E ACTIVITIES--Those organizational entities engaged in performing work in any or all of the categories of research, development, test and evaluation. The RDT&E effort, however, should represent a minimum of 25 percent of the total effort of each entity reporting in order to be considered as an RDT&E activity.

2. PROFESSIONALS--Full-time government scientific and engineering personnel actively engaged in RDT&E activities. In the case of civilians this will include all those holding positions that fall into the following categories under the Civil Service Occupational Groups and Series of Classes, General Schedule:

150	440	665	871	1330
180	454	668	880	1340
190	457	680	881	1350
193	460	690	890	1360
401	470	701	892	1370
403	471	801	893	1372
405	482	806	894	1382
410	486	808	896	1384
413	487	810	1301	1386
414	601	819	1306	1510
430	602	830	1310	1515
434	635	840	1313	1520
435	644	850	1315	1529
436	660	855	1320	1530
437	662	861	1321	1540

Military professionals, both officer and enlisted, actively engaged in RDT&E activities should be identified with the functions described in the above-referenced civilian job series. Generally, these jobs are referenced in Department of Defense Occupational Conversion Tables DoD 1312.1-0, DoD 1312.1-E under DoD groups 5 and 6 of DoD 1312.1-0, and various other groups of DoD 1312.1-E, published under the provisions of DoD Instruction 1312.1. Lawyers, accountants, chaplains, social workers and educators should be excluded.

3. TECHNICIANS--Generally nonprofessionals working on an RDT&E project or program in support of a professional. In the case of civilians, it will include, but will not necessarily be limited to, those holding positions that fall into the following categories of the Civil Service Occupational Groups and Series of Classes, General Schedule:

181	645	683	1341
404	646	698	1371
421	647	699	1374
455	649	802	1410
458	650	817	1412
462	661	818	1521
621	667	856	1531
622	669	895	1541
625	681	1311	
636	682	1316	

Discretion will have to be exercised by each RDT&E activity in determining the number of military technicians. Generally, they should follow the guidelines established in defining civilian technicians and can be identified in DoD 1312.1-E.

4. Real Property Cost--Each reporting activity will be responsible for determining and reporting the cost of real property. This cost should be established in accordance with the guidelines and definitions in DoD Instruction 4565.12. This should also include the cost of installed equipment.

5. Equipment Cost--Each reporting activity will be responsible for determining and reporting the cost of personal property. This cost should be established in accordance with the guidelines and definitions in DoD Instruction 4165.14. This should also include the cost of installed equipment.

6. Space--The data to be furnished should include only walled and roofed building space. It should not include such things as parking lots, open storage areas, lean-tos, etc. The source of data may be the annual report submitted in compliance with the requirements of DoD Instruction 4165.14.

7. In-House Obligations--Obligations reported under this category are for activities performed, or to be performed, by the organizational entity. Their work is carried on directly by their own personnel. Particular care should be taken to include under in-house performance the cost of supplies and equipment essentially of an off-the-shelf nature that are procured for use in in-house research and development, plus such things as travel, publications, and other types of services in support of in-house functions and M.P.A. Excluded from the in-house total are expenses for planning and administering programs by DoD personnel of contracts and grants for out-of-house work and M.C.A.

8. Out-of-House Obligations--Obligations reported under this category are for activities performed, or to be performed, by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions, and private individuals. Included as out-of-house work are all expenses paid the out-of-house performers, as well as the expenses incurred in planning and administering these programs by personnel of the organizational entity. This would also include travel and other supporting services.

9. Annual Operating Cost--This should generally reflect the overhead cost of operating the laboratory or facility. It should include such things as costs of utilities, rents, janitorial services, guard and fire protection, support services such as supply personnel, printing, maintenance of buildings and grounds, etc. It should not include the salaries of direct labor personnel such as scientists, engineers, technicians, draftsmen, machinists, etc.

APPENDIX III

Selected Standard Abbreviations and Acronyms

AAM -- air-to-air missile
AAW -- antiair warfare
ADPE -- automatic data-processing equipment
AEC -- Atomic Energy Commission
AEDC -- Arnold Engineering Development Center
AFMDC -- Air Force Missile Development Center
AFSC -- Air Force Systems Command
AFWET -- Air Force weapons effectiveness testing
AMC -- Army Materiel Command
APG -- Aberdeen Proving Ground
ARPA -- Advanced Research Projects Agency
ASW -- antisubmarine warfare
AUS -- Army United States

BIS -- Board of Inspection and Survey
BW -- biological warfare

CBR -- chemical, biological, radiological
CE -- Chief of Engineers, Army
CG -- commanding general
CNO -- Chief of Naval Operations
COMMEL -- communications electronics

DA -- Department of the Army
DASA -- Defense Atomic Support Agency
DoD -- Department of Defense
DZ -- drop zone

ECM -- electronic countermeasures
ECOM -- Electronics Command, Army
ED -- engineering development
EDT -- engineering development and test
EEG -- electroencephalogram
EKG -- electrocardiogram
ELINT -- electronic intelligence
EMP -- electromagnetic propagation
EMW -- electromagnetic warfare
EODC -- Explosive Ordnance Disposal Center
ET -- engineering test
EW -- electronic warfare

FA -- field artillery
FBM -- fleet ballistic missile

GCA -- ground-controlled approach

HF -- high-frequency

IFF -- identification, friend or foe
IR -- infrared

MPT -- military potential test

NAF -- Naval Air Facility
NASA -- National Aeronautics and Space Administration
NASC -- Naval Air Systems Command
NAVORD -- Naval Ordnance Systems Command
NAVSHIP -- Naval Ship Systems Command
NEMP -- nuclear electromagnetic propagation

PI -- product improvement
POL -- petroleum oil, lubricants

QA -- quality assurance
QMDO -- qualitative materiel development objective
QMR -- qualitative materiel requirement

RDT&E -- Research, development, test and evaluation
RF -- radio frequency
RV -- reentry vehicle

SATS -- short airfield tactical support
SDR -- small development requirement
SI -- Ship installation
SP -- self-propelled
ST -- service test

T&E -- test and evaluation
TOTO -- Tongue-of-the Ocean

UDT -- underwater demolition team
ULMS -- Undersea Long-Range Missile System
USATECOM -- U. S. Army Test and Evaluation Command
UTTAS -- utility tactical transport aircraft system
USW -- undersea warfare
UV -- ultraviolet

V/STOL -- vertical/short takeoff and landing

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