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DEPARTMENT OF DEFENSE
IN-HOUSE RDT&E ACTIVITIES



30 October 1973

Management Analysis Report . . .

Department of the Army

Department of the Navy

Department of the Air Force

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DEPARTMENT OF DEFENSE IN-HOUSE RDT&E ACTIVITIES

Harold F. Davidson

30 October 1973

Office of the Chief of Research and Development
Department of the Army
Washington, D.C. 20310



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FOREWORD

→ This report was prepared by the Department of the Army at the request of the Director of Defense Research and Engineering. The Departments of the Army, the Navy and the Air Force provided comprehensive data on the finances, manpower and facilities of their organizations that perform research, development, test, and evaluation (RDT&E). In addition, they briefly described each activity's mission, current important programs, functions, and equipment capabilities. The statistical data relate to the past and current fiscal years, i.e. 1973 and 1974. ←

Each in-house RDT&E activity of the Department of Defense is described on one page in this compilation. The data for FY 1973 are summarized in tables preceding the main text.

This edition is the eighth of a series that started in 1966. All information was submitted on key-punched cards, and the report's preparation was thus entirely automated--with some manual correction of typographical errors, fiscal and manpower data, and clarification of obscure abbreviations and contractions.

All current DoD RDT&E activities are listed in the Contents alphabetically within each Department. Some new organizational names appear in this issue and others have been changed or deleted since last year; for this information, see Appendix I.

Appendix II contains the definitions given in DoD Instruction 7700.9¹ and employed as the basis for these data. Appendix III lists selected standard abbreviations and acronyms.

In a continuing effort to improve the usability of this report, a Tables page has been added this year as has a Table of Service Research and Development Laboratory Organizational Relationships. A chart showing the Laboratory Command Chain for each service is also new this year.

Thanks are extended to Mr. Donald J. Ertel, Office, Chief of Research and Development, Department of the Army, for his assistance, and to Messrs. William A. Strain, Eugene Draskowich, and Eugene S. Groseclose, Jr., of the US Army Management Systems Support Agency for coaxing an obstreperous computer into providing an accurate, legible report. Thanks are also due Ms. Cheryl Gellerson for her assistance and patience in helping with the editorial effort.

¹Department of the Army letter, "Research and Development Resource Data for In-House RDT&E Activities," dated 6 August 1973.

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SUMMARY

DEPARTMENT OF DEFENSE IN-HOUSE ROT&E FACILITIES

PROGRAM DATA FOR FY 1973

	(MILLIONS)
TOTAL ANNUAL PROGRAM	4090.979
TOTAL INHOUSE PROGRAM	2298.716
TOTAL ROT&E PROGRAM	2657.118
TOTAL INHOUSE ROT&E	1499.672
TOTAL ANNUAL OPERATING COST	592.369

PERSONNEL DATA (END OF FY 1973)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHD	TOTAL PROFESSIONALS
MILITARY	24605	1205	8571
CIVILIAN	78947	3264	29823
TOTAL	103552	4469	37424

PHYSICAL FACILITIES (END OF FY 1973)

ACRES	10119757
SPACE (THOUSANDS OF SQ FT)	
LABORATORY	27697.274
ADMINISTRATIVE	8990.712
OTHER	51390.964
TOTAL	88078.950
COST (MILLIONS)	
REAL PROPERTY	2078.519
EQUIPMENT	2844.200
TOTAL	5822.719

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TABLE 1. ARMY ROTCE ACTIVITIES, PROGRAM AND PERSONNEL DATA, FY 1973

INSTALLATION	FUNDING DATA (MILLIONS \$)				PERSONNEL DATA					
	TOTAL	IMMENSE	ROTCE	IMMENSE	TOTAL	PHD	PHD	PROF	PROF	PROF
AFROMEDICAL RESEARCH UNIT	2,395	2,395	1,756	1,756	50	13	1	41	4	4
AIR DEFENSE BOARD	5,899	5,899	2,760	2,760	329	120	1	0	48	13
AIR MOBILITY R&D LABORATORY	18,423	12,869	17,931	12,377	40	589	2	24	13	251
AIRBORNE COMMUNICATIONS & ELECTRONICS BOARD	4,120	4,285	2,100	2,065	209	60	0	1	52	8
APCTIC TEST CENTER	6,346	6,283	2,929	2,866	299	25	1	0	62	5
ARMOR AND ENGINEER BOARD	7,531	7,531	2,248	2,248	399	99	1	0	162	18
ARMY MATERIAL SYSTEMS ANALYSIS AGENCY	12,906	8,454	11,074	6,634	14	322	0	8	16	235
ATMOSPHERIC SCIENCES LABORATORY	13,031	11,600	9,827	8,681	467	281	1	11	43	122
AVIATION SYSTEMS TEST ACTIVITY	5,235	5,235	4,395	4,395	60	104	0	0	37	27
AVIATION TEST BOARD	9,554	7,025	6,300	3,771	214	134	0	1	40	10
AVIONICS LABORATORY	19,743	15,457	12,737	10,464	13	248	0	5	14	151
BALLISTICS RESEARCH LABORATORIES	18,649	24,215	38,358	23,894	66	826	8	89	61	417
BENNY WEAPONS LABORATORY	15,444	13,288	10,704	8,330	7	390	0	43	2	150
COND. REGIONS RCE LABORATORIES	8,100	6,719	4,769	3,876	41	242	1	28	36	84
COMBAT SURVEILLANCE & TGT ACQUISITION LABS	40,738	14,200	40,738	14,200	23	320	0	13	33	201
COMMUNICATIONS ADD LABORATORY	21,910	11,230	21,600	10,900	12	394	1	14	18	261
CONSTRUCTION ENGINEERING RESEARCH LABORATORY	7,456	4,084	4,184	3,526	5	177	0	37	4	109
DESERT TEST CENTER (LABS)	15,756	14,100	11,860	11,059	201	736	3	16	171	129
EDGEWOOD ARSENAL LABORATORIES	19,439	37,302	31,487	29,350	219	1181	54	67	152	526
ELECTRONIC PROVING GROUND	12,958	10,078	7,945	5,337	27	186	0	2	47	64
ELECTRONIC WARFARE LABORATORY	32,547	15,201	32,164	14,796	50	417	0	3	11	198
ELECTRONICS TECHNOLOGY AND DEVICES LAB	17,704	10,567	16,747	9,871	7	377	4	38	12	237
ENGINEER TOPOGRAPHIC LABORATORIES	10,216	6,384	9,948	6,167	20	310	2	22	15	181
ENGINEER WATERWAYS EXPERIMENT STATION	28,595	24,509	14,506	12,153	58	1247	4	43	64	372
FIELD ARTILLERY BOARD	4,448	4,757	1,146	1,085	369	44	0	0	72	2
FRANKFORD ARSENAL LABORATORIES	32,042	25,686	27,183	20,347	34	1666	0	46	24	633
HARRY DIAMOND LABORATORIES	68,257	27,021	43,041	23,190	9	1578	3	67	9	800
HUMAN ENGINEERING LABORATORY	6,892	5,292	6,899	4,689	30	100	1	10	22	65
INFANTRY BOARD	3,402	3,383	1,195	1,176	181	58	0	0	16	2
INSTITUTE OF DENTAL RESEARCH	1,682	1,682	0,932	0,932	56	24	21	1	30	6
INSTITUTE OF SURGICAL RESEARCH	3,146	3,146	1,635	1,635	134	80	23	1	141	19
LAND WARFARE LABORATORY	7,509	4,770	7,227	4,987	16	110	0	5	11	51
LEITCHMAN ARMY INSTITUTE OF RESEARCH	13,274	1,909	0,629	0,629	91	22	22	1	54	12
MATERIALS AND MECHANICS RESEARCH CENTER	25,502	14,861	18,999	11,277	9	597	7	64	13	217
MATERIAL TESTING DIRECTORATE	24,242	23,770	9,502	9,439	77	912	0	1	45	162
MEDICAL BIOENGINEERING R&D LABORATORY	1,739	1,739	1,440	1,440	27	64	3	3	17	14
MEDICAL RESEARCH AND NUTRITION LAB, FGM	3,774	3,774	2,652	2,652	110	80	24	9	65	33
MEDICAL RESEARCH INST OF INFECTIOUS DISEASES	9,437	9,837	6,556	6,556	358	229	57	23	62	43
MEDICAL RESEARCH LABORATORY	2,675	2,695	1,749	1,749	115	132	11	9	74	23
MEDICAL RESEARCH UNIT	0,359	0,359	0,274	0,274	9	0	5	0	7	0
MEDICAL RESEARCH UNIT	0,249	0,249	0,140	0,140	10	11	2	0	5	0
MISSILE RES., DEV. AND ENGINEERING LAB	103,309	44,521	91,595	33,449	40	1226	7	46	33	747
MOBILITY EQUIPMENT R&D CENTER	109,060	76,042	49,710	19,000	71	1494	4	22	79	501
NATICK LABORATORIES	35,532	26,072	22,836	15,632	124	1191	17	92	54	454
NIGHT VISION LABORATORY	38,199	16,007	38,199	16,007	51	346	0	30	28	195
PICATINNY ARSENAL LABORATORIES	110,400	94,400	80,300	42,300	71	2503	0	40	93	1075
R&D TECHNICAL SUPPORT ACTIVITY	10,670	10,385	9,892	9,692	1	440	0	0	0	109
RESEARCH INST FOR BEHAVIORAL & SOCIAL SCI	3,742	2,805	3,742	2,405	29	144	2	48	23	89
RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	3,716	3,716	2,948	2,948	84	102	17	19	54	46
ROCK ISLAND ARSENAL LABORATORIES	21,041	15,232	14,770	9,894	16	764	4	14	15	231
TANK-AUTOMOTIVE LABORATORIES	58,079	26,409	36,064	14,983	35	922	1	7	22	443
TAMPA TEST CENTER	3,954	3,954	2,625	2,625	95	78	0	5	10	10
WALTER REED ARMY INSTITUTE OF RESEARCH	20,132	20,132	15,192	15,192	479	577	154	71	324	162
WHITE SANDS MISSILE RANGE	111,184	92,081	92,656	73,799	1077	3395	5	6	1104	447
YUMA PROVING GROUND	22,844	20,996	18,949	9,836	386	738	7	0	96	75
TOTALS	1279,270	770,849	942,987	571,208	7245	28616	495	1168	3737	10496

TABLE 2. ARMY ROTEE FACILITIES DATA, FY 1973

INSTALLATION	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)				COST (MILLIONS \$)			
	ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT		
AFRIMEDICAL RESEARCH UNIT		FT. RUCKER, AL.	4	37.933	5.440	7.470	0.379	3.000
AIR DEFENSE BOARD		EL PASO, TEXAS	26	36.550	36.646	76.945	41.000	12.971
AIR MOBILITY RES. LAB		MOUNTAIN VIEW, CAL.	104	45.014	43.308	15.484	1.474	5.444
AIRBORNE COMMUNICATIONS & ELECTRONICS BOARD		FT. BRAGG, N.C.	180	0.000	50.079	63.483	1.191	3.076
ARCTIC TEST CENTER		FT. GREELEY, AK.	665034	0.000	40.959	234.175	12.571	5.597
ARMY AND ENGINEER BOARD		FT. KNOX, KENTUCKY	6000	0.000	63.548	192.233	1.426	2.017
ARMY MATERIAL SYSTEMS ANALYSIS AGENCY		AREEDEN PROV GR, MD	4	8.511	72.015	3.790	1.771	0.425
ATMOSPHERIC SCIENCES LAB		WHITE SANDS MR., N.M.	45	0.036	0.023	0.033	48.000	2.500
AVIATION SYSTEMS TEST ACTIVITY		EDWARDS AFB, CAL.	19	4.280	32.830	2.490	3.527	4.165
AVIATION TEST BOARD		FT. RUCKER, AL.	1180	3.019	19.190	206.649	4.401	11.627
AVIATION LAB		EATONTOWN, N.J.	9	43.500	7.500	1.706	2.605	10.740
BALLISTICS RESEARCH LABORATORIES		AREEDEN PROV GR, MD	3380	279.307	113.041	259.300	14.484	34.800
BENT WEAPONS LAB		WATFORD, N.Y.	4	167.463	24.630	7.489	7.365	4.149
CAND REGIONAL PRE LAB		HAMMER, N.H.	24	12.300	1.760	109.054	3.979	4.834
COMBAT SURVEILLANCE & TGT ACQUISITION LABS		FT. MONMOUTH, N.J.	71	114.351	5.075	11.571	2.419	5.000
COMMUNICATIONS ADP LAB		FT. MONMOUTH, N.J.	0	33.437	42.524	5.018	0.000	11.800
CONSTRUCTION ENGINEERING RESEARCH LAB		IPRANA, IL.	30	74.421	32.559	0.000	3.851	2.093
DESERT TEST CENTER (LARS)		DUGWAY, UTAH	440911	103.899	130.051	1714.943	44.551	16.569
ENGINEERING RESEARCH LAB		EDWARDS ARSENAL, MD.	4055	496.713	97.329	148.154	16.899	12.051
ELECTRONIC PROVING GROUND		FT. MONMOUTH, N.J.	49600	0.000	200.719	0.000	2.914	25.182
ELECTRONIC WARFARE LAB		FT. MONMOUTH, N.J.	0	61.311	40.064	10.950	2.525	14.575
ELECTRONICS TECHNOLOGY AND DEVICES LAB		FT. MONMOUTH, N.J.	0	124.184	4.078	3.046	0.000	12.443
ENGINEER TOPOGRAPHIC LABORATORIES		FT. BELVOIR, VA.	0	55.899	10.424	3.700	0.000	10.488
ENGINEER WATERWAYS EXPERIMENT STATION		VECKSPRING, MISS.	1974	1394.970	346.407	190.225	15.315	25.956
FIELD ARTILLERY BOARD		FT. TILL, OK.	21	26.244	47.135	54.118	3.175	1.930
FRANKFORD ARSENAL LAB		PHILADELPHIA, PA.	43	576.641	149.872	462.372	14.494	12.232
HARRY DIAMOND LAB		WASHINGTON, D.C.	2249	281.402	46.119	54.154	11.874	24.509
INMAN ENGINEERING LAB		AREEDEN PROV GR, MD.	10	26.500	17.405	28.953	0.709	2.700
INFANTRY BOARD		FT. BENNING, GA.	0	0.000	50.053	21.194	0.402	0.360
INSTITUTE OF DENTAL RESEARCH		WASHINGTON, D.C.	4	4.325	5.456	19.330	0.631	0.800
INSTITUTE OF SURGICAL RESEARCH		FT. SAM HOUSTON, TX.	1	25.424	0.400	19.000	1.964	1.317
LAND WARFARE LAB		AREEDEN PROV GR, MD.	0	40.691	2.653	12.621	0.654	0.612
LEITCHMAN ARMY INSTITUTE OF RESEARCH		PRESIDIO, S.F., CAL.	3	46.917	8.900	0.000	0.467	2.760
MATERIALS AND MECHANICS RESEARCH CENTER		WATERTOWN, MASS.	48	349.161	46.018	169.979	14.043	13.547
MATERIAL TESTING DIRECTORATE		AREEDEN PROV GR, MD.	24704	1220.007	424.000	995.000	16.293	34.000
MEDICAL BIOENGINEERING RES LAB		FORT DETRICK, MD.	2	27.000	22.000	37.000	2.570	0.967
MEDICAL RESEARCH AND NUTRITION LAB, FGH		DENVER, CO.	2	77.677	5.139	21.977	5.074	3.418
MEDICAL RESEARCH INST OF INFECTIOUS DISEASES		FORT DETRICK, MD	57	93.217	13.810	198.731	17.824	3.213
MEDICAL RESEARCH LAB		FT. KNOX, KY.	20	48.025	5.368	34.753	0.280	2.693
MEDICAL RESEARCH UNIT		KUALA LUMPUR, MALAYSIA	13	7.000	0.400	0.000	0.100	0.222
MEDICAL RESEARCH UNIT		BALYNA HEIGHTS, C.Y.	0	5.000	0.400	0.000	0.000	0.061
MISSILE RES., DEV. AND ENGINEERING LAB		EDSTON ARSENAL, AL.	11000	1164.000	262.000	408.000	25.278	36.794
MOBILITY EQUIPMENT RES CENTER		FT. BELVOIR, VA.	1060	466.922	132.772	193.600	14.134	31.082
NATICK LAB		NATICK, MASS.	3054	425.000	65.900	274.600	30.024	13.655
NIGHT VISION LAB		FT. BELVOIR, VA.	13	73.261	3.521	67.205	41.961	37.402
RESEARCH ARSENAL LAB		DOVER, N.J.	5803	603.550	674.545	2568.855	74.247	94.240
RED TECHNICAL SUPPORT ACTIVITY		FT. MONMOUTH, N.J.	136	50.520	8.600	227.830	8.400	7.500
RESEARCH INST FOR BEHAVIORAL & SOCIAL SCI		WASHINGTON, D.C.	0	24.979	4.314	9.244	0.042	1.367
RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE		NATICK, MASS.	4	60.421	18.563	28.647	3.663	1.800
ROCK ISLAND ARSENAL LAB		ROCK ISLAND, IL.	14	114.617	170.404	206.679	3.940	10.721
TANK-AUTOMOTIVE LAB		WARREN, MI.	1125	475.000	0.000	0.000	20.970	10.644
TOXIC TEST CENTER		FT. CLAYTON, C.F.	15470	12.455	58.244	137.265	1.124	4.076
VALLEY RES. ARMY INSTITUTE OF RESEARCH		WASHINGTON, D.C.	1173	389.300	59.140	0.000	0.000	14.903
WHITE SANDS MISSILE RANGE		WHITE SANDS MR., N.M.	5459300	1416.598	444.518	2564.244	169.167	164.620
YUMA PROVING GROUND		YUMA, ARIZONA	870170	0.000	75.407	1104.818	31.241	47.900
TOTALS			797399	11661.437	4311.362	13590.173	407.702	786.359

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TABLE 3. NAVY RDTEE ACTIVITIES, PROGRAM AND PERSONNEL DATA, FY 1973

LOCATION		FUNDING DATA (MILLIONS \$)				PERSONNEL DATA							
		TOTAL	TOTAL INHOUSE	TOTAL RL/CE	TOTAL INHOUSE RDTEE	TOTAL MIL	TOTAL CIV	PHD MIL	PHD CIV	PROF MIL	PROF CIV		
MENTAL PREDICTION RESEARCH FACILITY	MONTEREY, CA.	1.767	1.209	1.395	0.940	16	27	1	2	8	17		
AEROSPACE MEDICAL RESEARCH LABORATORY	PENSACOLA, FL.	3.750	3.750	3.317	3.317	31	124	12	14	22	47		
AEROSPACE RECOVERY FACILITY	EL CENTRO, CA.	6.564	5.033	2.404	2.415	166	119	1	0	11	25		
AIR DEVELOPMENT CENTER	JOHNSVILLE, PA.	134.607	56.519	87.536	42.424	387	2187	4	27	84	993		
AIR ENGINEERING CENTER	PHILADELPHIA, PA.	85.094	40.037	9.793	6.859	34	2188	0	5	13	404		
AIR PROPULSION TEST CENTER	TRENTON, N.J.	18.709	13.950	12.579	9.052	9	490	0	0	9	152		
AIR TEST CENTER	PATUXENT RIVER, MD.	85.433	71.254	31.800	27.949	1631	2439	3	5	213	457		
AIR TEST FACILITY (SHIP INSTALLATIONS)	LAKEHURST, N.J.	10.401	9.881	1.480	1.413	151	405	0	0	11	75		
BLIND RESEARCH LABORATORY	CHELSEA, MS.	0.547	0.547	0.390	0.390	13	10	4	0	6	1		
CIVIL ENGINEERING LABORATORY	PORT HUENEME, CA.	13.642	12.471	10.601	9.618	16	340	1	30	11	137		
CLOTHING AND TEXTILE RESEARCH UNIT	NATICK, MS.	1.463	1.463	0.771	0.771	1	60	0	0	0	22		
COASTAL SYSTEMS LABORATORY	PANAMA CITY FL	17.706	16.022	10.480	9.050	140	577	3	18	15	240		
DENTAL RESEARCH INSTITUTE, NTC	GREAT LAKES, IL	0.603	0.603	0.339	0.339	18	17	2	2	11	14		
ELECTRONICS LABORATORY CENTER	SAN DIEGO, CA.	56.534	39.837	32.067	22.465	90	1473	1	43	31	729		
EXPLOSIVE ORDNANCE DISPOSAL FACILITY	INDIAN HEAD MD	6.273	3.769	2.739	1.522	53	192	0	1	9	19		
MEDICAL FIELD RESEARCH LABORATORY	CAMP LEJEUNE, N.C.	1.434	1.434	0.788	0.798	34	42	4	2	5	6		
MEDICAL RESEARCH INSTITUTE	BETHESDA, MD.	7.922	7.521	5.057	5.056	203	210	55	34	77	59		
MEDICAL RESEARCH UNIT NO. 2	TAIPEI, TAIWAN	2.137	2.137	1.565	1.565	34	9	15	2	29	9		
MEDICAL RESEARCH UNIT NO. 3	CAIRO, EGYPT	1.847	1.847	0.856	0.856	31	260	8	4	12	4		
MEDICAL RESEARCH UNIT NO. 4	GREAT LAKES, IL	1.139	1.139	0.722	0.722	39	35	5	1	15	14		
MISSILE CENTER	POINT MUGU, CA.	84.513	68.162	27.466	24.445	445	1776	3	8	85	618		
ORDNANCE LABORATORY	WHITE OAK, MD.	98.794	61.082	73.594	41.623	49	2700	0	153	20	1117		
ORDNANCE MISSILE TEST FACILITY	WHITE SANDS P.M., N.M.	4.112	3.412	2.171	1.606	153	82	2	1	31	5		
RESEARCH LABORATORY	WASHINGTON, D.C.	187.343	180.655	158.918	153.629	117	4026	1	601	41	1788		
SHIP RESEARCH AND DEVELOPMENT CENTER	WASHINGTON, D.C.	119.638	60.377	96.703	44.947	62	2895	0	107	25	1250		
SPACE SYSTEMS ACTIVITY	LOS ANGELES, CA.	6.494	1.074	4.406	0.740	15	34	1	1	15	27		
SUBMARINE MEDICAL RESEARCH LABORATORY	GROTON CT	1.874	1.874	1.426	1.426	37	66	8	12	14	33		
UNDERSEA CENTER	SAN DIEGO CA	77.851	49.154	50.317	33.238	285	1645	0	98	14	682		
UNDERWATER SYSTEMS CENTER	NEWPORT, R.I.	109.114	87.648	47.684	40.356	178	3325	2	89	41	1450		
UNIT, PORT DETRICK	FREDERICK, MD.	0.224	0.224	0.091	0.091	16	1	2	0	6	0		
WEAPONS CENTER	CHINA LAKE, CA.	180.672	114.528	101.700	63.349	477	4412	8	137	75	1708		
WEAPONS EVALUATION FACILITY	ALBUQUERQUE, N.M.	5.385	5.385	0.996	0.996	194	98	0	1	39	42		
WEAPONS LABORATORY	DAHLGREN, VA.	96.466	77.453	37.870	30.570	84	2916	2	77	41	1135		
MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT	SAN DIEGO, CA	1.762	1.677	1.347	1.347	20	58	11	9	14	28		
PERSONNEL RESEARCH & DEVELOPMENT CENTER	SAN DIEGO, CA	9.393	8.647	6.200	5.687	33	289	0	45	34	151		
TOXICOLOGY UNIT, NMIC	BETHESDA, MD.	0.579	0.579	0.415	0.415	16	7	1	0	7	2		
IC MISSILE RANGE	POINT MUGU, CA.	91.578	58.061	66.951	43.133	686	2883	3	5	86	468		
TOTALS		1535.273	1090.415	895.014	635.139	6162	38577	163	1562	1180	13904		

TABLE 4. NAVY ROTGE FACILITIES DATA, FY 1973

FACILITY	LOCATION	ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLIONS \$)	
			LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT
ENVIRONMENTAL PREDICTION RESEARCH FACILITY	MONTEREY, CA.	0	1.008	5.012	10.440	0.000	0.395
AEROSPACE MEDICAL RESEARCH LABORATORY	PENSACOLA, FL.	0	131.787	19.604	8.893	2.807	2.528
AEROSPACE RECOVERY FACILITY	EL CENTRO, CA.	101290	44.000	10.000	263.000	6.598	4.750
AIR DEVELOPMENT CENTER	JOHNSVILLE, PA.	831	884.000	56.000	413.000	24.301	37.020
AIR ENGINEERING CENTER	PHILADELPHIA, PA.	560	872.778	94.161	1270.517	33.544	20.902
AIR PROPULSION TEST CENTER	TRENTON, N.J.	66	410.937	51.600	136.000	45.936	11.644
AIR TEST CENTER	PATUXENT RIVER, MD.	6972	730.000	263.030	3684.000	124.216	39.089
AIR TEST FACILITY (SHIP INSTALLATIONS)	LAKEHURST, N.J.	2500	59.204	29.598	91.906	35.420	7.569
BLOOD RESEARCH LABORATORY	CHELSEA, MS.	0	6.000	0.160	1.000	0.000	0.546
CIVIL ENGINEERING LABORATORY	PORT HUENEME, CA.	72	120.352	21.977	31.548	5.736	5.682
CLOTHING AND TEXTILE RESEARCH UNIT	NATICK, MS.	2	10.000	7.000	3.000	0.275	0.600
COASTAL SYSTEMS LABORATORY	PANAMA CITY FL.	674	202.376	35.296	313.997	19.618	11.741
DENTAL RESEARCH INSTITUTE, NTC	GRAY LAKES, IL.	1	8.900	5.100	6.000	0.000	0.490
ELECTRONICS LABORATORY CENTER	SAN DIEGO, CA.	1591	421.758	115.543	77.620	12.219	36.532
EXPLOSIVE ORDNANCE DISPOSAL FACILITY	INDIAN HEAD MD.	1094	50.771	28.777	49.959	3.007	1.965
MEDICAL FIELD RESEARCH LABORATORY	CAMP LEJEUNE, N.C.	3	28.226	8.655	15.590	0.539	0.678
MEDICAL RESEARCH INSTITUTE	BETHESDA, MD.	4	151.730	21.561	26.590	4.016	5.012
MEDICAL RESEARCH UNIT NO. 2	TAIPEI, TAIWAN	2	32.882	16.075	49.364	0.101	0.908
MEDICAL RESEARCH UNIT NO. 3	CAIRO, EGYPT	3	18.242	9.500	2.300	0.344	0.790
MEDICAL RESEARCH UNIT NO. 4	GREAT LAKES, IL.	0	22.053	16.716	18.975	0.387	0.450
MISSILE CENTER	POINT MUGU, CA.	4	110.756	169.569	754.611	25.973	39.490
ORDNANCE LABORATORY	WHITE OAK, MD.	1060	404.978	185.506	757.756	48.775	45.770
ORDNANCE MISSILE TEST FACILITY	WHITE SANDS M.R., N.M.	112	84.310	30.540	239.240	6.673	3.369
RESEARCH LABORATORY	WASHINGTON, D.C.	2133	2240.840	135.656	637.259	79.047	67.062
SHIP RESEARCH AND DEVELOPMENT CENTER	WASHINGTON, D.C.	296	393.522	198.164	1405.876	68.850	44.841
SPACE SYSTEMS ACTIVITY	LOS ANGELES, CA.	0	0.000	1.995	3.233	0.000	0.022
SUBMARINE MEDICAL RESEARCH LABORATORY	GROTON CT.	0	23.325	6.441	13.118	0.000	1.002
UNDERSEA CENTER	SAN DIEGO CA.	36887	277.707	51.775	612.982	40.627	49.056
UNDERWATER SYSTEMS CENTER	NEWPORT, R.I.	360	760.959	107.528	739.019	29.015	34.646
UNIT, FORT DETRICK	FREDERICK, MD.	0	3.830	2.541	0.000	0.000	0.076
WEAPONS CENTER	CHINA LAKE, CA.	1093019	722.689	181.001	5781.805	224.090	81.738
WEAPONS EVALUATION FACILITY	ALBUQUERQUE, N.M.	7	0.400	53.592	98.196	7.400	0.450
WEAPONS LABORATORY	DANFLOREN, VA.	4320	492.855	73.655	809.755	103.050	35.182
MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT	SAN DIEGO, CA.	0	11.177	4.500	0.000	0.000	0.354
PERSONNEL RESEARCH & DEVELOPMENT CENTER	SAN DIEGO, CA.	1	47.300	4.900	0.000	0.210	0.295
TOXICOLOGY UNIT, NMIC	BETHESDA, MD.	0	2.260	0.140	2.037	0.187	0.528
TRIC MISSILE RANGE	POINT MUGU, CA.	29380	93.463	271.883	1397.228	146.900	174.300
TOTALS		1283046	5877.375	2294.541	19723.814	1099.870	767.452

TABLE 5. AIR FORCE ROTCE ACTIVITIES, PROGRAM AND PERSONNEL DATA, FY 1973

INSTALLATION		FUNDING DATA (MILLIONS \$)				PERSONNEL DATA						
		TOTAL	TOTAL	TOTAL	INHOUSE	TOTAL	TOTAL	PHD	PHD	PROF	PROF	PROF
		INHOUSE	RDCE	RDCE	RDCE	MIL	CIV	MIL	CIV	MIL	CIV	MIL
AEROPROPULSION LABORATORY	WPAFB, OH.	55.468	9.454	54.539	8.525	49	355	10	14	42	180	
AEROSPACE RESEARCH LABORATORIES	WPAFB, OH.	12.540	7.675	11.370	6.505	49	174	19	43	59	82	
ARMAMENT DEVELOPMENT AND TEST CENTER	EGLIN AFB, FL.	410.140	109.524	114.832	37.591	4367	2992	110	38	1363	687	
ARNOLD ENGINEERING DEVELOPMENT CENTER	TULLAHOMA, TN.	57.134	14.126	47.340	12.617	83	151	5	2	54	48	
AVIONICS LABORATORY	WPAFB, OH.	105.936	14.174	103.636	11.874	195	905	10	32	133	339	
CAMBRIDGE RESEARCH LABORATORY	L.G. HANSCOM FLD, MS.	56.975	35.543	54.350	33.504	155	978	11	166	60	588	
FLIGHT DYNAMICS LABORATORY	WPAFB, OH.	58.400	26.508	51.474	24.117	210	967	21	35	124	517	
FLIGHT TEST CENTER	EDWARDS AFB, CA.	78.801	44.777	48.091	34.291	3256	1751	45	6	418	348	
FRANK J. SEILER RESEARCH LABORATORY	USAF ACADEMY, CH.	1.457	1.457	0.525	0.525	22	9	12	1	24	3	
IRVING RESOURCES LABORATORY	BROOKS AFB, TX.	16.073	6.139	13.824	4.450	127	254	8	34	94	122	
MATERIALS LABORATORY	WPAFB, OH.	48.095	11.305	35.597	10.210	56	341	22	45	40	234	
ROCKET PROPULSION LABORATORY	EDWARDS AFB, CA.	27.266	12.642	24.317	9.980	178	299	10	7	64	104	
ROME A-10 DEVELOPMENT CENTER	GRIFFISS AFB, N.Y.	142.640	27.644	95.505	22.196	299	1133	5	11	85	513	
SPACE AND MISSILE TEST CENTER	VANDENBURG AFB, CA.	65.157	14.782	57.460	7.855	446	375	8	2	218	140	
USAF SCHOOL OF AEROSPACE MEDICINE	BROOKS AFB, TX.	19.258	17.320	10.338	8.533	665	367	92	36	237	151	
WEAPONS LABORATORY	KIRTLAND AFB, N.M.	90.957	40.132	79.367	29.247	790	594	93	28	484	195	
4570 AEROSPACE MEDICAL RESEARCH LABORATORY	WPAFB, OH.	14.851	7.502	13.118	5.769	134	170	28	25	75	97	
TOTALS		1241.158	422.724	815.463	289.789	11101	11615	525	529	1596	4370	

TABLE 6. AIR FORCE ROT&E FACILITIES DATA, FY 1973

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLIONS \$)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT
AERODROMIC STUDY LABORATORY	WPAFB, OH.	40	219.863	39.010	196.747	12.261	16.188
AEROSPACE RESEARCH LABORATORIES	WPAFB, OH.	34	136.973	49.831	34.719	13.510	11.350
ARMAMENT DEVELOPMENT AND TEST CENTER	EGLIN AFB, FL.	464740	384.766	490.032	9292.834	217.741	233.023
ARMED ENGINEERING DEVELOPMENT CENTER	TULLAHOMA, TN.	40114	1149.177	201.411	532.216	363.675	60.175
AVIONICS LABORATORY	WPAFB, OH.	264	214.448	12.152	406.699	21.451	39.269
CAMBRIDGE RESEARCH LABORATORY	L.G. HANSCOM FLD, MS.	861	609.438	19.708	125.916	20.413	68.104
FLIGHT DYNAMICS LABORATORY	WPAFB, OH.	90	541.130	60.600	26.000	22.705	55.696
FLIGHT TEST CENTER	EDWARDS AFB, CA.	246323	551.892	313.342	6439.861	180.672	108.881
FRANK J. SPILER RESEARCH LABORATORY	USAF ACADEMY, CO.	0	9.400	2.000	0.240	1.500	1.500
HUMAN RESOURCES LABORATORY	BRCONS AFB, TX.	13	70.464	31.835	47.545	3.274	4.242
MATERIALS LABORATORY	WPAFB, OH.	4	0.114	0.062	0.041	6.949	11.847
ROCKET PROPULSION LABORATORY	EDWARDS AFB, CA.	54400	419.046	99.248	4.780	29.849	23.774
ROME AIR DEVELOPMENT CENTER	GRIFFISS AFB, N.Y.	2804	648.337	105.414	200.690	29.346	79.172
SPACE AND MISSILE TEST CENTER	VANDENBURG AFB, CA.	45544	91.507	354.384	431.954	96.600	495.861
USAF SCHOOL OF AEROSPACE MEDICINE	BROOKS AFB, TX.	93	473.078	99.154	73.084	18.129	23.587
WEAPONS LABORATORY	KIRTLAND AFB, N.P.	7397	402.469	80.914	15.540	13.433	38.649
6570 AEROSPACE MEDICAL RESEARCH LABORATORY	WPAFB, OH.	30	211.900	18.000	15.200	11.570	15.899
TOTALS		862766	6132.892	2369.903	18044.064	1063.048	1287.217

TABLE 7. DEPARTMENT OF DEFENSE ROTCE ACTIVITIES, PROGRAM AND PERSONNEL DATA, FY 1973

INSTALLATION	FUNDING DATA (MILLIONS \$)				PERSONNEL DATA					
	TOTAL	TOTAL	TOTAL	EMERISE	TOTAL	TOTAL	PHD	PHD	PROF	PROF
	TOTAL	EMERISE	ADJCE	ROTCE	MIL	CIV	MIL	CIV	MIL	CIV
ARMED FORCES RADIOBIOLOGY RES. INSTITUTE	5.278	4.728	3.734	3.544	97	139	22	17	53	53
TOTALS	5.278	4.728	3.734	3.544	97	139	22	17	53	53

SUMMARY
DEPARTMENT OF DEFENSE IN-HOUSE R&D LABORATORIES
PROGRAM DATA FOR FY 1973

	(MILLIONS)
TOTAL ANNUAL LABORATORY PROGRAM	2969.159
TOTAL IN-HOUSE PROGRAM	1609.473
TOTAL ROTCE PROGRAM	2046.435
TOTAL IN-HOUSE ROTCE	1114.792
TOTAL ANNUAL OPERATING COST	396.496

PERSONNEL DATA (END OF FY 1973)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PWD	TOTAL PROFESSIONALS
MILITARY	9125	906	3752
CIVILIAN	56571	5110	24251
TOTAL	65696	6026	28003

PHYSICAL FACILITIES (END OF FY 1973)

ACRES	1243516
SPACE (THOUSANDS OF SQ FT)	
LABORATORY	20589.997
ADMINISTRATIVE	5466.702
OTHER	19898.364
TOTAL	44955.063
COST (MILLIONS)	
REAL PROPERTY	1310.132
EQUIPMENT	1296.408
TOTAL	2606.540

TABLE 1A. ARMY RED LABORATORIES, PROGRAM AND PERSONNEL DATA, FY 1973

INSTALLATION		FUNDING DATA (MILLIONS \$)				PERSONNEL DATA						
		TOTAL	TOTAL	TOTAL	UNCLASSIFIED	TOTAL	TOTAL	PHD	PHD	PHD	PHD	PHD
			ADVERSE	ADVERSE	ADVERSE							
AERONAUTICAL RESEARCH INST	FT. RUCKER, AL.	2.995	2.395	1.756	1.756	50	28	13	1	41	4	4
AIR MOBILITY RED LABORATORY	MOUNTAIN VIEW, CAL.	38.423	12.869	37.931	12.377	40	598	2	24	11	253	4
ATMOSPHERIC SCIENCES LABORATORY	WHITE SANDS NM, N.M.	11.031	11.009	9.820	8.681	447	281	1	11	43	122	1
AVIONICS LABORATORY	PATONVILLE, N.J.	19.743	19.457	12.737	10.464	13	247	0	5	18	151	1
BALLISTICS RESEARCH LABORATORIES	ARTERDEFN PROV GR, MD.	38.649	24.213	18.350	23.884	66	826	0	49	61	417	1
BRETH WEAPONS LABORATORY	WATERVILLE, N.Y.	13.644	13.288	10.706	8.330	7	990	0	43	2	190	1
CIND REGIONS REF LABORATORIES	HANDOVER, N.H.	8.190	6.719	4.769	3.876	41	242	1	28	36	84	1
COMBAT SURVIVANCE & TGT ACQUISITION LABS	FT. MONMOUTH, N.J.	40.731	14.200	40.730	14.200	23	320	0	13	31	201	1
COMMUNICATIONS ADP LABORATORY	FT. MONMOUTH, N.J.	21.930	11.230	21.600	10.900	12	394	1	19	18	261	1
CONSTRUCTION ENGINEERING RESEARCH LABORATORY	IRVING, IL.	7.456	6.066	6.186	5.526	5	177	0	37	4	109	1
ENGINEERING RESEARCH LABORATORY	ROCKWELL ARSENAL, MD.	39.439	37.302	31.487	29.350	219	1193	34	67	157	526	1
ELECTRONIC TECHNOLOGY AND DEVICES LAB	FT. MONMOUTH, N.J.	32.469	15.201	32.164	14.796	50	817	0	5	11	193	1
ENGINEERING TECHNOLOGY LABORATORIES	FT. MONMOUTH, N.J.	17.709	10.567	16.747	9.871	6	377	4	38	12	237	1
ENGINEER WATERWAYS EXPERIMENT STATION	FT. BELVUE, VA.	10.216	6.384	9.990	6.167	20	318	2	22	15	181	1
FRANKFORD ARSENAL LABORATORIES	VICKSBURG, MISS.	28.185	24.569	14.506	12.133	58	1247	4	43	64	372	1
HARRY DIAMOND LABORATORIES	PHILADELPHIA, PA.	32.442	29.676	27.185	20.747	34	1666	0	46	24	633	1
MINAM ENGINEERING LABORATORY	WASHINGTON, D.C.	60.297	27.421	43.041	23.190	9	2578	1	47	9	800	1
INSTITUTE OF OPTICAL RESEARCH	ADERGREEN PROV GR, MD.	4.642	4.292	6.089	4.659	30	100	1	10	22	63	1
INSTITUTE OF SURGICAL RESEARCH	WASHINGTON, D.C.	1.692	1.697	0.932	0.932	54	26	23	1	30	4	1
LAND WARFARE LABORATORY	FT. SAM MURSTON, TX.	3.195	3.146	1.639	1.639	134	60	23	3	141	19	1
LETTERMAN ARMY INSTITUTE OF RESEARCH	AREOREEN PROV GR, MD.	7.309	4.770	7.227	4.507	16	110	0	5	11	50	1
MATERIALS AND MECHANICS RESEARCH CENTER	PRESTON, S.F., CAL.	13.274	1.509	0.629	0.629	91	22	22	1	54	12	1
MEDICAL REENGINEERING RED LABORATORY	WATERLOO, MASS.	23.502	14.061	10.999	11.277	9	597	7	64	13	217	1
MEDICAL RESEARCH AND NUTRITION LAB, FOM	FLEET DISTRICT, MD.	1.739	1.739	1.440	1.440	27	64	3	3	17	14	1
MEDICAL RESEARCH INST OF INFECTIOUS DISEASES	PORT DETRICK, MD.	1.774	4.837	2.452	2.452	117	40	24	0	65	33	1
MEDICAL RESEARCH LABORATORY	FT. KNOX, KY.	9.837	4.837	6.556	4.556	359	229	97	23	62	43	1
MEDICAL RESEARCH UNIT	KUALA LUMPUR, MALAYSIA	2.695	2.695	1.749	1.749	115	122	11	4	74	23	1
MISSILE RES., DEV. AND ENGINEERING LAB	REDSTONE ARSENAL, AL.	0.399	0.399	0.140	0.140	10	21	2	0	5	0	1
MOBILITY EQUIPMENT RED CENTER	FT. BELVUE, VA.	107.309	44.571	93.509	33.469	40	1224	7	66	31	747	1
NATURAL LABORATORIES	NATICK, MASS.	109.060	26.042	49.710	19.900	71	1494	4	22	79	501	1
NIGHT VISION LABORATORY	FT. BELVUE, VA.	35.512	26.072	22.834	15.632	124	1183	17	92	54	454	1
PEACEMAN ARSENAL LABORATORIES	DOVER, N.J.	38.144	18.807	38.149	16.807	51	394	0	30	24	175	1
RESEARCH INST FOR BEHAVIORAL & SOCIAL SCI	WASHINGTON, D.C.	110.400	99.400	80.300	62.300	71	2403	0	60	53	1075	1
RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	NATICK, MASS.	5.742	7.805	5.742	2.805	28	144	2	44	23	68	1
ROCK ISLAND ARSENAL LABORATORIES	ROCK ISLAND, IL.	3.716	3.716	2.940	2.940	84	102	17	19	99	46	1
TANK-AUTOMOTIVE LABORATORIES	WARREN, MI.	21.041	15.232	10.720	9.844	14	764	4	18	15	291	1
WALTER REED ARMY INSTITUTE OF RESEARCH	WASHINGTON, D.C.	58.979	26.469	34.066	14.903	35	922	1	7	22	443	1
TOTALS		20.132	20.132	15.192	15.192	479	577	154	73	129	162	1

1017.702 558.116 743.387 622.698 2085 20994 477 1120 1752 9106

TABLE 2A. ARMY RED FACILITIES DATA, FY 1973

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLIONS \$)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY EQUIPMENT
AFRIMEDICAL RESEARCH UNIT	FT. RUCKER, AL.	8	32.933	5.940	7.470	0.374 3.000
AIR MOBILITY RED LABORATORY	MOUNTAIN VIEW, CAL.	109	45.014	43.308	15.944	1.474 5.444
ATMOSPHERIC SCIENCES LABORATORY	WHITE SANDS PR, N.M.	45	0.056	0.025	0.031	48.000 2.500
AVIATION LABORATORY	FATMINTON, N.J.	4	43.900	7.500	1.706	2.605 10.740
BALLISTICS RESEARCH LABORATORIES	ABERDEEN PROV GR, MD.	3700	279.387	113.991	259.300	14.444 34.800
BENT LEAMING LABORATORY	WATERVLIET, N.Y.	4	167.463	24.600	7.489	2.765 4.144
CAND PLUMING RED LABORATORIES	HANOVER, N.H.	24	12.300	3.760	109.054	3.979 4.839
COMBAT SURVILLANCE & TGT ACQUISITION LABS	FT. MONMOUTH, N.J.	71	114.351	5.075	11.571	2.410 5.000
COMMUNICATIONS ADP LABORATORY	FT. MONMOUTH, N.J.	7	73.437	42.524	5.018	0.000 11.800
CONSTRUCTION ENGINEERING RESEARCH LABORATORY	URBANA, IL.	30	74.621	32.559	0.000	3.851 2.093
EDGEWOOD ARSENAL LABORATORIES	EDGEWOOD ARSENAL, MD.	4055	446.713	97.329	148.154	16.899 12.851
ELECTRONIC WARFARE LABORATORY	FT. MONMOUTH, N.J.	0	41.311	40.869	10.870	2.525 14.575
ELECTRONICS TECHNOLOGY AND DEVICES LAB	FT. MONMOUTH, N.J.	0	129.184	4.878	3.046	0.000 12.443
ENGINEER TOPOGRAPHIC LABORATORIES	FT. BELVOIR, VA.	0	55.899	10.828	3.700	0.000 10.488
ENGINEER WATERWAYS EXPERIMENT STATION	VICKSBURG, MISS.	1974	1394.970	346.007	190.228	15.315 25.956
FRANKFORD ARSENAL LABORATORIES	PHILADELPHIA, PA.	43	576.641	149.872	462.372	19.499 12.232
HARRY DIAMOND LABORATORIES	WASHINGTON, D.C.	2247	201.602	46.119	54.154	11.874 24.909
HUMAN ENGINEERING LABORATORY	ABERDEEN PROV GR, MD.	10	26.500	17.605	29.953	0.709 2.700
INSTITUTE OF DENTAL RESEARCH	WASHINGTON, D.C.	4	9.325	5.896	7.330	0.631 0.000
INSTITUTE OF SURGICAL RESEARCH	FT. SAM HOUSTON, TX.	1	25.424	0.300	19.000	1.968 1.317
LAND WARFARE LABORATORY	ABERDEEN PROV GR, MD.	80	40.691	2.655	12.628	0.659 0.612
LEITCHMAN ARMY INSTITUTE OF RESEARCH	PRESIDIO, S.F., CAL.	3	46.917	8.900	0.000	0.467 2.760
MATERIALS AND MECHANICS RESEARCH CENTER	WATERTOWN, MASS.	48	349.161	96.018	149.979	14.043 13.547
MEDICAL REENGINEERING RED LABORATORY	FORT DETRICK, MD.	2	27.000	12.000	37.000	2.579 0.967
MEDICAL RESEARCH AND NUTRITION LAB, FGH	DENVER, CO.	2	77.677	5.130	21.977	5.079 3.411
MEDICAL RESEARCH INST OF INFECTIOUS DISEASES	FORT DETRICK, MD.	97	93.217	13.819	198.731	17.824 3.213
MEDICAL RESEARCH LABORATORY	FT. KNOX, KY.	20	48.025	5.369	34.734	0.280 2.693
MEDICAL RESEARCH UNIT	KUALA LUMPUR, MALAYSIA	15	7.000	0.990	0.000	0.100 0.222
MEDICAL RESEARCH UNIT	KALONA HEIGHTS, C.Z.	0	5.000	0.600	0.000	0.000 0.061
MISSILE RES., DEV. AND ENGINEERING LAB	REDSTONE ARSENAL, AL.	11000	1168.000	262.000	408.000	25.274 36.794
MOBILITY EQUIPMENT RED CENTER	FT. BELVOIR, VA.	1061	646.922	132.572	193.600	19.134 31.082
NATICK LABORATORIES	NATICK, MASS.	3054	925.000	65.400	274.600	19.024 13.655
NIGHT VISION LABORATORY	FT. BELVOIR, VA.	15	73.261	3.521	67.205	43.961 37.402
PICATINNY ARSENAL LABORATORIES	DOVER, N.J.	5809	673.557	674.545	2568.955	74.247 54.240
RESEARCH INST FOR BEHAVIORAL & SOCIAL SCI	WASHINGTON, D.C.	0	29.929	4.318	9.249	0.042 1.367
RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	NATICK, MASS.	4	60.421	18.563	24.647	3.663 1.800
ROCK ISLAND ARSENAL LABORATORIES	ROCK ISLAND, ILL.	18	114.617	179.448	296.679	3.940 10.721
TANK-AUTOMOTIVE LABORATORIES	WAPREN, MI.	1170	473.000	0.000	0.000	20.970 10.644
WALTER REED ARMY INSTITUTE OF RESEARCH	WASHINGTON, D.C.	1373	309.300	59.150	0.000	0.000 14.901
TOTALS		95791	8779.321	2556.049	5576.895	420.264 442.342

TABLE 34. NAVY R&D LABORATORIES, PROGRAM AND PERSONNEL DATA, FY 1973

INSTALLATION		FUNDING DATA (MILLIONS \$)				PERSONNEL DATA						
		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	PHD	PHD	PROF	PROF		
		YR 1973	1972	1971	1970	YR 1973	CIV	MIL	CIV	MIL	CIV	CIV
ENVIRONMENTAL PREDICTION RESEARCH FACILITY	MONTREY, CA.	1.867	1.209	1.395	0.948	16	27	1	2	8	17	
NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY	PENSACOLA, FL.	3.750	3.750	3.317	3.317	31	124	12	14	22	47	
NAVAL AIR DEVELOPMENT CENTER	JOHNSVILLE, PA.	136.677	56.519	87.536	42.426	387	2187	4	27	84	993	
NAVAL AIR ENGINEERING CENTER	PHILADELPHIA, PA.	85.086	60.037	9.793	6.859	36	2188	0	5	13	404	
NAVAL ALKID RESEARCH LABORATORY	CHELSEA, MS.	0.547	0.547	0.390	0.390	13	10	4	0	6	1	
NAVAL CIVIL ENGINEERING LABORATORY	PORT HUENEME, CA.	13.467	12.471	10.601	9.618	16	340	1	38	11	137	
NAVAL CLOTHING AND TEXTILE RESEARCH UNIT	NATICK, MS.	1.463	1.463	0.771	0.771	1	60	0	0	0	22	
NAVAL COASTAL SYSTEMS LABORATORY	PANAMA CITY FL.	17.406	16.022	10.480	9.050	140	577	3	18	15	240	
NAVAL DENTAL RESEARCH INSTITUTE, NTC	GREAT LAKES, IL.	0.603	0.603	0.339	0.339	18	17	2	2	11	14	
NAVAL ELECTRONICS LABORATORY CENTER	SAN DIEGO, CA.	56.534	39.837	32.067	22.465	90	1473	1	63	31	729	
NAVAL MEDICAL FIELD RESEARCH LABORATORY	CAMP LEJEUNE, N.C.	1.434	1.434	0.788	0.788	34	42	4	2	5	6	
NAVAL MEDICAL RESEARCH INSTITUTE	BETHESDA, MD.	7.522	7.521	5.057	5.056	203	210	55	34	77	59	
NAVAL MEDICAL RESEARCH UNIT NO. 2	TAIPEI, TAIWAN	2.137	2.137	1.565	1.565	34	9	15	2	29	5	
NAVAL MEDICAL RESEARCH UNIT NO. 3	CAIRO, EGYPT	1.847	1.847	0.856	0.856	31	240	8	4	12	4	
NAVAL MEDICAL RESEARCH UNIT NO. 4	GREAT LAKES, IL.	1.139	1.139	0.722	0.722	35	35	5	1	15	14	
NAVAL ORENAVANCE LABORATORY	WHITE OAK, MD.	98.794	61.082	73.594	41.623	49	2708	4	153	20	1117	
NAVAL RESEARCH LABORATORY	WASHINGTON, D.C.	187.343	180.655	158.918	153.629	117	4824	1	401	41	1788	
NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER	WASHINGTON, D.C.	119.618	60.377	96.703	44.947	62	2895	0	107	25	1250	
NAVAL SUBMARINE MEDICAL RESEARCH LABORATORY	GROTON CT.	1.874	1.874	1.426	1.426	37	44	0	12	14	33	
NAVAL UNDERSEA CENTER	SAN DIEGO, CA.	77.954	49.154	50.317	33.238	285	1645	0	98	54	482	
NAVAL UNDERWATER SYSTEMS CENTER	NEWPORT, R.I.	109.114	87.648	67.484	40.356	178	1325	2	89	41	1450	
NAVAL UNIT, FORT DETRICK	FREDERICK, MD.	0.724	0.224	0.091	0.091	16	1	2	0	4	0	
NAVAL WEAPONS CENTER	CHINA LAKE, CA.	180.672	114.528	101.700	63.349	677	4412	8	137	75	1708	
NAVAL WEAPONS LABORATORY	DANFORTH, VA.	96.456	77.453	37.870	30.570	84	2916	2	77	41	1135	
NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT	SAN DIEGO, CA.	1.762	1.677	1.347	1.347	20	58	11	4	14	28	
NAVY PERSONNEL RESEARCH & DEVELOPMENT CENTER	SAN DIEGO, CA.	9.393	8.647	6.200	5.487	33	289	0	45	34	151	
NAVY TOXICOLOGY UNIT, NMIC	BETHESDA, MD.	0.579	0.579	0.415	0.415	16	7	1	0	7	2	
TOTALS		1215.721	850.434	741.942	521.848	2659	24899	150	1548	671	12036	

TABLE 4A. NAVY R&D FACILITIES DATA, FY 1973

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLIONS \$)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY EQUIPMENT
ENVIRONMENTAL PREDICTION RESEARCH FACILITY	MONTEREY, CA.	0	1.000	5.012	13.440	0.000 0.395
NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY	PENSACOLA, FL.	0	131.787	19.404	8.893	2.807 2.520
NAVAL AIR DEVELOPMENT CENTER	JOHNSVILLE, PA.	831	994.000	56.000	413.000	24.301 37.020
NAVAL AIR ENGINEERING CENTER	PHILADELPHIA, PA.	561	872.778	94.161	1270.517	33.544 20.907
NAVAL ALKIND RESEARCH LABORATORY	CHELSEA, MS.	0	6.000	0.160	1.000	0.000 0.146
NAVAL CIVIL ENGINEERING LABORATORY	PORT HUENEME, CA.	72	120.332	21.977	31.548	5.756 5.682
NAVAL CLOTHING AND TEXTILE RESEARCH UNIT	NATICK, MS.	2	10.000	7.000	3.000	0.275 0.600
NAVAL COASTAL SYSTEMS LABORATORY	PANAMA CITY FL	674	202.376	39.296	313.997	19.618 11.741
NAVAL DEFENSE RESEARCH INSTITUTE, NYC	GREAT LAKES, IL	1	8.900	5.100	6.000	0.000 0.490
NAVAL ELECTRONICS LABORATORY CENTER	SAN DIEGO, CA.	1591	421.758	115.543	77.620	12.219 36.532
NAVAL MEDICAL FIELD RESEARCH LABORATORY	CAMP LEJUNE, A.C.	3	24.226	8.655	15.590	0.539 0.678
NAVAL MEDICAL RESEARCH INSTITUTE	BETHESDA, MD.	4	151.730	21.561	26.590	4.016 5.012
NAVAL MEDICAL RESEARCH UNIT NO. 2	TAIPEI, TAIWAN	2	32.882	16.075	48.364	0.101 0.908
NAVAL MEDICAL RESEARCH UNIT NO. 3	CAIRO, EGYPT	3	18.242	9.508	2.108	0.344 0.790
NAVAL MEDICAL RESEARCH UNIT NO. 4	GREAT LAKES, IL	0	21.053	16.716	18.975	0.387 0.430
NAVAL OPTICANCE LABORATORY	WHITE OAK, MD.	1060	404.978	185.506	757.754	48.775 45.770
NAVAL RESEARCH LABORATORY	WASHINGTON, D.C.	2131	2240.040	135.656	637.259	79.047 67.062
NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER	WASHINGTON, D.C.	296	373.522	190.164	1405.876	66.850 44.841
NAVAL SURVIVANCE MEDICAL RESEARCH LABORATORY	GROTON CT	0	23.325	6.441	13.118	0.000 1.002
NAVAL UNIFORMS CENTER	SAN DIEGO CA	36887	277.707	51.775	612.982	46.677 49.056
NAVAL UNDERWATER SYSTEMS CENTER	NEWPORT, R.I.	360	760.959	107.528	739.019	29.015 34.646
NAVAL UNIT, FINE PATRICK	FREDERICK, MD.	0	3.810	2.541	0.000	0.000 0.076
NAVAL WEAPONS CENTER	CHINA LAKE, CA.	1093019	722.489	181.001	5781.005	224.098 81.738
NAVAL WEAPONS LABORATORY	DAHLGREN, VA.	4320	492.850	73.653	838.755	183.059 35.162
NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT	SAN DIEGO, CA	0	11.177	4.500	0.000	0.000 0.354
NAVY PERSONNEL RESEARCH & DEVELOPMENT CENTER	SAN DIEGO, CA	1	47.300	4.980	0.000	0.210 0.295
NAVY TECHNOLOGY UNIT, NMIC	BETHESDA, MD.	0	2.260	0.160	2.737	0.187 0.528
TOTALS		1141769	4293.534	1304.167	13006.441	695.738 484.804

TABLE SA. AIR FORCE R&D LABORATORIES, PROGRAM AND PERSONNEL DATA, FY 1973

INSTALLATION		FUNDING DATA (MILLIONS \$)				PERSONNEL DATA					
		TOTAL	TOTAL INHOUSE	TOTAL RD&EE	INHOUSE RD&EE	TOTAL MIL	TOTAL CIV	PHD MIL	PHD CIV	PROF MIL	PROF CIV
AEROPROPULSION LABORATORY	WPAFB, OH.	55.468	9.454	54.539	8.525	49	355	10	14	42	180
AEROSPACE RESEARCH LABORATORIES	WPAFB, OH.	12.540	7.675	11.370	6.505	69	174	19	43	59	82
AVIONICS LABORATORY	WPAFB, OH.	105.936	14.174	103.436	11.974	195	905	18	32	233	339
CAMBRIDGE RESEARCH LABORATORY	L.G. HANSCOM FLD, MS.	56.975	35.563	54.350	33.504	155	970	11	166	60	588
FLIGHT DYNAMICS LABORATORY	WPAFB, OH.	58.400	26.500	51.474	24.117	210	967	21	35	126	517
FRANK J. SEILER RESEARCH LABORATORY	USAF ACADEMY, GA.	1.457	1.457	0.525	0.525	22	9	2	1	24	3
HUMAN RESOURCES LABORATORY	BROOKS AFB, TX.	16.073	6.139	13.824	4.650	127	254	8	34	94	122
MATERIALS LABORATORY	WPAFB, OH.	48.095	11.385	35.397	10.210	56	341	22	45	60	234
ROCKET PROPULSION LABORATORY	EDWARDS AFB, CA.	27.260	12.642	24.317	9.980	178	299	10	7	64	106
ROME AIR DEVELOPMENT CENTER	GRIFFISS AFB, N.Y.	142.640	27.644	95.505	22.196	299	1133	5	11	85	513
WEAPONS LABORATORY	KIRTLAND AFB, N.M.	90.957	40.132	79.347	29.247	790	394	93	28	484	195
6570 AEROSPACE MEDICAL RESEARCH LABORATORY	WPAFB, OH.	14.861	7.582	13.118	5.769	134	170	28	25	75	97
TOTALS		630.658	200.195	537.482	166.982	2284	5979	257	441	1304	2976

TABLE 6A. AIR FORCE R&D FACILITIES DATA, FY 1973

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLIONS \$)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY EQUIPMENT
AEROSPACE RESEARCH LABORATORY	WPAFB, OH.	40	219.863	39.010	396.747	12.241 16.188
AEROSPACE RESEARCH LABORATORIES	WPAFB, OH.	34	136.873	49.837	34.719	13.510 11.350
AVIATION RESEARCH LABORATORY	WPAFB, OH.	264	214.448	12.152	406.699	21.451 39.269
CAMBRIDGE RESEARCH LABORATORY	L.G. HANSCOM FLD, MS.	861	609.438	19.708	125.916	20.413 68.104
FLIGHT DYNAMICS LABORATORY	WPAFB, OH.	90	541.130	60.600	26.000	22.705 55.696
FRANK J. STILER RESEARCH LABORATORY	USAF ACADEMY, CO.	0	9.400	2.800	0.240	1.300 1.500
HUMAN RESOURCES LABORATORY	BROOKS AFB, TX.	13	70.444	31.835	47.543	3.227 4.242
MATERIALS LABORATORY	WPAFB, OH.	9	0.114	0.062	0.041	6.97 11.867
ROCKET PROMOTION LABORATORY	EDWARDS AFB, CA.	54400	419.046	99.248	4.780	29.869 23.774
ROME AIR DEVELOPMENT CENTER	GRIFFISS AFB, N.Y.	2806	649.337	105.414	200.690	29.346 79.172
WEAPONS LABORATORY	KIRTLAND AFB, N.M.	7397	402.469	80.914	15.340	13.633 38.649
6570 AFROSPACE MEDICAL RESEARCH LABORATORY	WPAFB, OH.	30	211.900	10.000	15.200	11.570 15.899
TOTALS		65944	3483.482	911.500	1276.115	184.231 365.690

TABLE 7A. DEPARTMENT OF DEFENSE ROTEE FACILITIES DATA, FY 1973

INSTALLATION		SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)				COST (MILLIONS \$)	
		ACRES	LABORATORY	ADMIN	OTHER	REAL PROPERTY	EQUIPMENT
ARMED FORCES RADIOBIOLOGY RES. INSTITUTE	NETHESDA, MD	10	24.663	14.936	32.913	7.899	3.172
	TOTALS	10	24.660	14.936	32.913	7.899	3.172

TABLE 8 - ARMY RESEARCH AND DEVELOPMENT LABORATORY ORGANIZATIONAL RELATIONSHIPS

	<u>Command Chain</u>	
	<u>Intermediate</u>	<u>Command</u>
Aeromedical Research Unit	Medical R&D Command	The Surgeon General
Air Mobility R&D Laboratory	Aviations Systems Command	Army Materiel Command
Atmospheric Sciences Laboratory	Electronics Command	Army Materiel Command
Avionics Laboratory	Electronics Command	Army Materiel Command
Ballistics Research Laboratories	--	Army Materiel Command
Benet Weapons Laboratories	Armament Command *	Army Materiel Command
Cold Regions R&E Laboratories	--	Chief of Engineers
Combat Surveillance & Target Acquisition Labs	Electronics Command	Army Materiel Command
Communications ADP Laboratory	Electronics Command	Army Materiel Command
Construction Engineering Research Laboratory	--	Chief of Engineers
Edgewood Arsenal Laboratories	Armament Command *	Army Materiel Command
Electronic Warfare Laboratory	Electronics Command	Army Materiel Command
Electronics Technology & Devices Laboratory	Electronics Command	Army Materiel Command
Engineer Topographic Laboratories	--	Chief of Engineers
Engineer Waterways Experiment Station	--	Chief of Engineers
Frankford Arsenal Laboratories	Armament Command *	Army Materiel Command
Harry Diamond Laboratories	--	Army Materiel Command
Human Engineering Laboratory	--	Army Materiel Command
Institute of Dental Research	Medical R&D Command	The Surgeon General
Institute of Surgical Research	Medical R&D Command	The Surgeon General
Land Warfare Laboratory	--	Army Materiel Command
Letterman Army Institute of Research	Medical R&D Command	The Surgeon General
Materials and Mechanics Research Center	--	Army Materiel Command
Medical Bioengineering R&D Laboratory	Medical R&D Command	The Surgeon General
Medical Research and Nutrition Laboratory	Medical R&D Command	The Surgeon General
Medical Research Institute of Infectious Diseases	Medical R&D Command	The Surgeon General
Medical Research Laboratory (Fort Knox)	Medical R&D Command	The Surgeon General
Medical Research Unit (Maylasia)	Medical R&D Command	The Surgeon General
Medical Research Unit (Canal Zone)	Medical R&D Command	The Surgeon General

TABLE 8 (Continued)

<u>Command Chain</u>		
	<u>Intermediate</u>	<u>Command</u>
Missile RD&E Laboratory	Missile Command	Army Materiel Command
Mobility Equipment R&D Center	Troop Support Command *	Army Materiel Command
Natick Laboratories	Troop Support Command *	Army Materiel Command
Night Vision Laboratory	Electronics Command	Army Materiel Command
Picatinny Arsenal Laboratories	Armament Command *	Army Materiel Command
Research Institute for Behavioral and Social Sciences	--	Office of Chief of Research & Development
Research Institute of Environmental Medicine	Medical R&D Command	The Surgeon General
Rock Island Arsenal Laboratories	Armament Command *	Army Materiel Command
Tank-Automotive Laboratories	Tank-Automotive Command	Army Materiel Command
Walter Reed Army Institute of Research	Medical R&D Command	The Surgeon General

* Effective 1 July 1973

TABLE 9 - NAVY RESEARCH AND DEVELOPMENT LABORATORY ORGANIZATIONAL RELATIONSHIPS

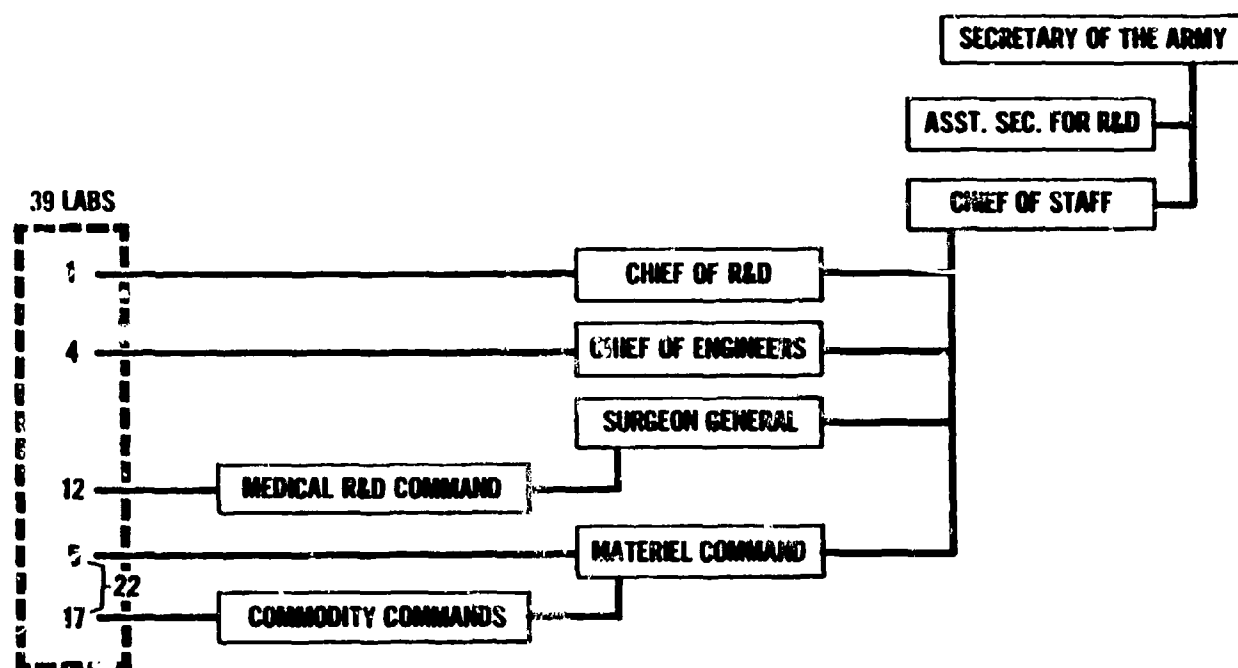
	<u>Command Chain</u>	
	<u>Intermediate</u>	<u>Command</u>
Environmental Prediction Research Facility	Naval Air Systems Command	Chief of Naval Material
Naval Aerospace Medical Research Laboratory	--	C, Bur of Med/Sur
Naval Air Development Center	--	Chief of Naval Material
Naval Air Engineering Center	Naval Air Systems Command	Chief of Naval Material
Naval Blood Research Laboratory	--	C, Bur of Med/Sur
Naval Civil Engineering Laboratory	--	Chief of Naval Material
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	--	C, 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	--	C, Bur of Med/Sur
Naval Medical Research Unit No. 2	--	C, Bur of Med/Sur
Naval Medical Research Unit No. 3	--	C, Bur of Med/Sur
Naval Medical Research Unit No. 4	--	C, Bur of Med/Sur
Naval Ordnance Laboratory	--	Chief of Naval Material
Naval Research Laboratory	--	Chief of Naval Research
Naval Ship Research and Development Center	--	Chief of Naval Material
Naval Submarine Medical Research Laboratory	--	Chief of Naval Material
Naval Undersea Center	--	Chief of Naval Material
Naval Underwater Systems Center	--	Chief of Naval Material
Naval Unit, Fort Detrick	--	C, Bur of Med/Sur
Naval Weapons Center	--	Chief of Naval Material
Naval Weapons Laboratory	--	Chief of Naval Material
Navy Medical Neuropsychiatric Research Unit	--	C, Bur of Med/Sur
Navy Personnel Research & Development Center	--	Chief of Naval Personnel
Navy Toxicology Unit, NNMC	--	C, Bur of Med/Sur

TABLE 10 - AIR FORCE RESEARCH AND DEVELOPMENT LABORATORY ORGANIZATIONAL RELATIONSHIPS

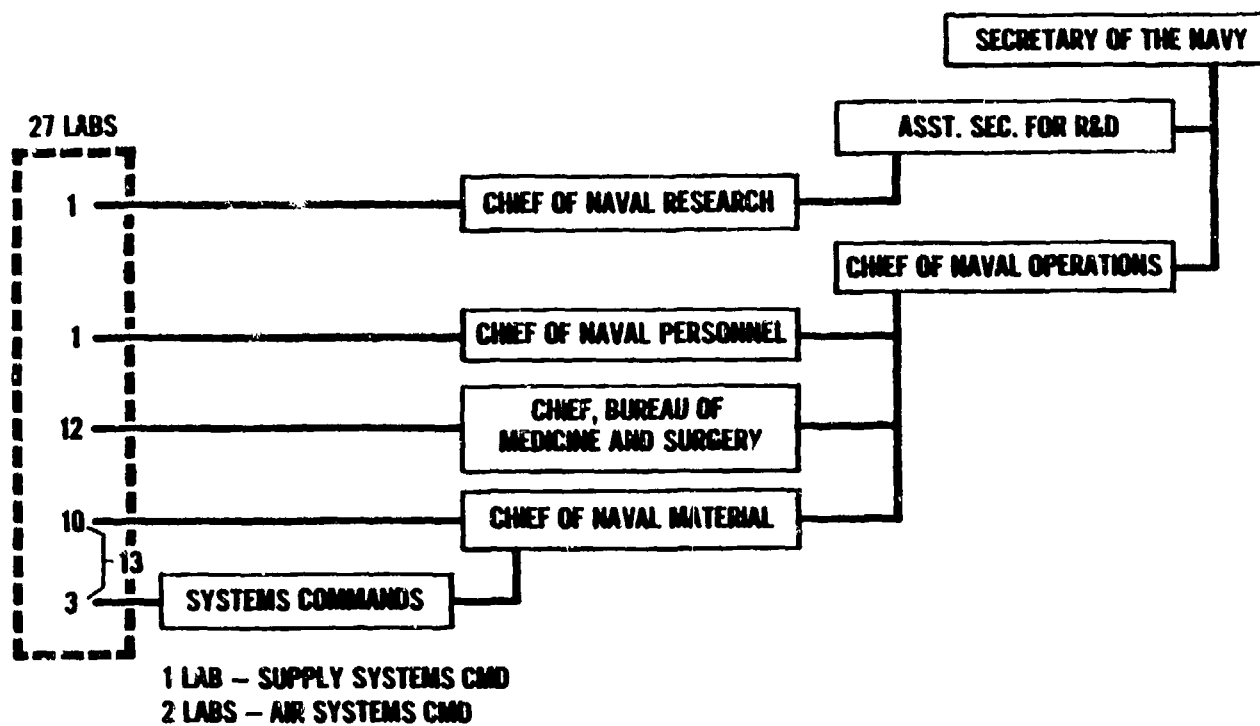
	<u>Command Chain</u>	
	<u>Intermediate</u>	<u>Command</u>
Aeropropulsion Laboratory		AF Systems Command
Aerospace Research Laboratories		AF Systems Command
* Armament Laboratory	Armament Dev & Test Center	AF Systems Command
Avionics Laboratory		AF Systems Command
Cambridge Research Laboratory		AF Systems Command
Flight Dynamics Laboratory		AF Systems Command
Frank J. Sellar Research Laboratory		AF Systems Command
Human Resources Laboratory		AF Systems Command
Materials Laboratory		AF Systems Command
Rocket Propulsion Laboratory		AF Systems Command
Rome Air Development Center		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.)

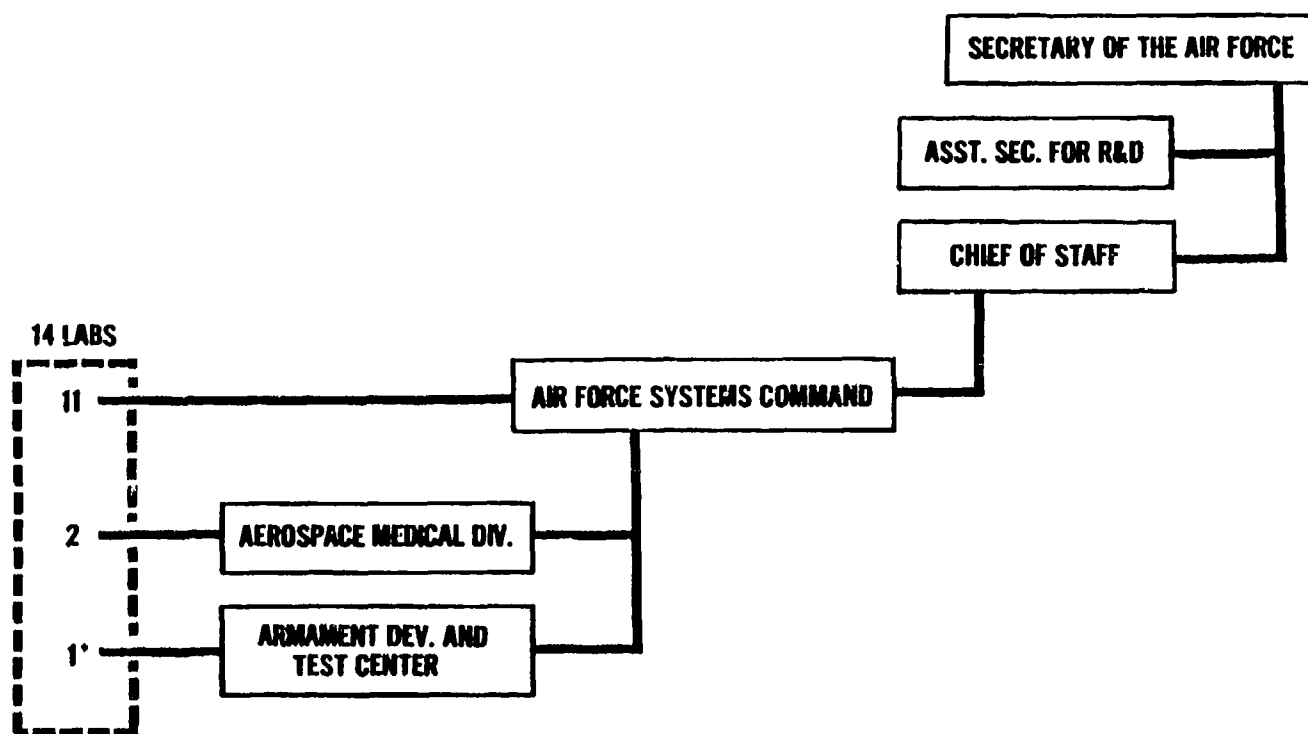
ARMY LABORATORIES COMMAND CHAIN



NAVY LABORATORIES COMMAND CHAIN



AIR FORCE LABORATORIES COMMAND CHAIN



*THE ARMAMENT LABORATORY IS NOT REPORTED
SEPARATELY IN THIS REPORT
(SEE: ARMAMENT DEVELOPMENT AND TEST CENTER)

INSTALLATION AEROMEDICAL RESEARCH UNIT

FT. RUCKER, AL.

DA0008

C.O. COL ROBERT W. BAILEY

TECH. DIR. DR. MARK A. HOFFMANN

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	1.756	2.125
TOTAL PROCUREMENT	0.000	0.000
TOTAL UGM	0.000	0.000
TOTAL OTHER	0.639	0.608
TOTAL ANNUAL LAB	2.395	2.733
TOTAL INHOUSE	2.395	2.733
TOTAL INHOUSE ROTGE	1.756	2.125
ANNUAL OPERATING COST	0.846	0.965

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	50	13	41	9
CIVILIAN	28	1	4	24
TOTAL	78	14	45	33

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
8	32.933	5.940	7.470	46.343	0.379	3.000

...MISSION
CDT STUDIES ON CURRENT AND ANTICIPATED MED RESEARCH PROBLEMS RELVANT TO AAVN AND ANN OP. DEV TESTS & EVAL HEARING PROT DEVICES FOR ARMY. PROV CONSULT SVC TO OTHER ELEMENTS OF ARMY. MAINT LN W ARMY, NAVY, AF, FED AVN ADMIN AND OTHER FED & CIV INSTITUTIONS, DOM & FGN, W INT IN AVN.

...CURRENT IMPORTANT PROGRAMS
RESEARCH PSYCHOLOGY APPLIED TO MEDICALLY SIGNIFICANT PROBLEMS IN AAVN. MED RESEARCH APPLIED TO PROBLEMS IN AAVN. RESEARCH OF VISUAL PROBLEMS MED SIGNIFICANT TO AAVN. RESEARCH OF PSYCHOACOUSTICAL PROBLEMS MED SIGNIFICANT TO AAVN. RESEARCH OF BIOENGINEERING PROBLEMS MED SIGNIFICANT TO AAVN.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MAJOR EQUIPMENT INCLUDES SOUNDPROOF HEARING ROOM, ANECHOIC CHAMBER, COLORIMETER, ECG AND EEG MACHINES, BIOCHEMISTRY LAB, ELECTRONICS AND ENGINEERING FABRICATION SHOP, PHOTOGRAPHY LAB AND AIN MONITORING EQUIPMENT.

INSTALLATION AIR DEFENSE BOARD

EL PASO, TEXAS

DA0049

PRES. COL WILLIAM H. INGLETT, JR.

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTEE	2.760	2.956
TOTAL PROCUREMENT	0.000	0.075
TOTAL C&I	0.000	0.000
TOTAL OTHER	3.129	3.467
TOTAL ANNUAL LAB	5.899	6.498
TOTAL INHOUSE	5.884	6.456
TOTAL INHOUSE ROTEE	2.745	2.914
ANNUAL OPERATING COST	0.552	0.552

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PIDS		
MILITARY	328	1	48	280
CIVILIAN	120	0	13	107
TOTAL	448	1	61	387

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)	
	LAB	ADMIN	OTHER	TOTAL REAL PROP	EQUIP
26	36.950	36.646	76.945	150.141	81.000 12.971

...MISSION
PLAN, CONDUCT, & RPT ON DT I, DT II & OTHER DEVELOPMENT TYPE TESTS OF
AD WPN SYS, FDS, ELECTRONIC COUNTERMEASURES & COUNTER-COUNTERMEASURES
OF EQUIP & DEVICES & TGT DEVICES, PARTICIPATE IN DT II (ENGINEERING
PHASE I) & DT III AS DIR. PROV ADVICE & GUIDANCE ON TEST & EVAL MATTERS.

...CURRENT IMPORTANT PROGRAMS
IMPROVED HAWK (TROPIC)
SERVICE TEST SAM-D
ET & EST AIR DEFENSE COMMAND CONTROL & COORDINATION SYSTEM AN/TSC-73
PRODUCT IMPROVEMENT TEST CIMPAMRAL AN/DAM-1
TROPIC TEST FAAR SYSTEM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
ASSURE MAXIMUM UTILIZATION OF RESOURCES IN ACCOMPLISHMENT OF MISSION.
PLAN CONDUCT RECORD & RPT RESULTS OF DEVELOPMENT TESTS & EVALUATIONS.
REVIEW & COMMENT ON TNG DEVICE REQUIREMENT DOCUMENTS, NEW EQUIP TNG PKGS
& ASSIST IN REVIEW OF MIL SPECS. PROVIDE TECUM TEST REQUIREMENTS FOR CO-
ORDINATED TEST PROGRAM. PLAN DIRECT & CONTROL A PROGRAM IN TEST METHOD-
OLOGY, TEST INSTRUMENTATION & TEST FACILITIES NEEDED TO SPT CURRENT &
FUTURE REQUIREMENTS WITHIN ASSIGNED MISSION AREA. SPT FIELD RESEARCH,
STUDIES, TESTS, & OPERATIONS OF AMC, DA, OR DOD AGENCIES AS REQ OR DIR.
EQUIPMENT-COMPUTER, TAC & INSTRUMENTATION RADAR, AUTOMATED DATA ACQUI-
SITION SYSTEMS, CINEPHOTOGRAPHY, PHOTO LAB & FILM READING EQUIPMENT. SITE
MONITOR FOR ELECTRONIC TEST OF EQUIPMENT & ORNA ANA RANGE FOR FIRING
FORWARD AREA WEAPONS, TARGET DEVICES AND TARGET DROWES.

INSTALLATION AIR MOBILITY RCD LABORATORY

MOUNTAIN VIEW, CAL.

DA0030

DIR. MR. PAUL F. YAGGY

DEPUTY DIR. COL MORTON L. ROMIN

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCF	37.931	34.165
TOTAL PROCUREMENT	0.000	0.000
TOTAL OSM	0.031	3.050
TOTAL OTHER	7.461	0.594
TOTAL ANNUAL LAB	30.423	34.809
TOTAL INHOUSE	12.069	13.937
TOTAL INHOUSE ROTCF	12.577	13.293
ANNUAL OPERATING COST	2.393	2.575

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	MIN-PRIN
	AUTHORIZED STRENGTH	TO AC PRIN		
MILITARY	40	2	13	21
CIVILIAN	598	26	253	345
TOTAL	638	28	266	372

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	FIXED
108	85.014	43.308	15.284	143.906	1.474	5.446

...MISSION
MANAGES AND EXECUTES RCD 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.
RCD TO IMPROVE RELIABILITY & MAINTAINABILITY OF AIRMOBILE SYSTEMS.
RSCD, COMPOSITES & MEASURE (PNL, FLY, LOADS TO IMPROVE STRUCTURES FOR A/C FIVE) TECHNOLOGY & CRITERIA TO IMPROVE FLIGHT SAFETY & SURVIVABILITY.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
THREE DIRECTORATES AT HOFFETT FIELD CA, CLEVELAND OH, HAMPTON VAE CALIF. ATED WITH NASA, PARTICIPATING IN RESEARCH OF AIRMOBILE SYSTEMS & DISCIPLINES, JOINTLY USING WIND TUNNELS, SIMULATORS & LABORATORY TEST FACILITIES, INCLUDING SHIPS, FLIGHT LINE & HANGER, STRUCTURE LAB, ENGINE TEST FACILITIES & COMPUTATIONAL EQUIPMENT. THIRTH DIRECTORATE AT FORT EUSTIS VA., FLYING ADVANCED APPLICATIONS WORK. MAJOR EQUIPMENT & FACILITIES: PILLANT WINGING MACHINES, TENSILE TESTERS, VIBRATION TESTER, SMALL BALLISTIC RANGE, CALIBRATION LAB, ENVIRONMENT CHAMBER, ATOMIC ABSORPTION SPECTR, TELEMETRY GROUND STATION, NON-DESTRUCT TESTING FACILITY, FLIGHT SAFETY LAB.

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

DA0048

PRES. CH. DONALD A. SEIBERT

ENGIN. ADV. MR. JOE M. INLAND

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTLE	2.100	1.329
TOTAL PROCUREMENT	0.005	0.000
TOTAL CLM	0.006	0.000
TOTAL OTHER	2.215	2.500
TOTAL ANNUAL LAB	4.320	3.829
TOTAL INHOUSE	4.285	3.829
TOTAL INHOUSE ROTLE	2.045	1.329
ANNUAL OPERATING COST	0.100	0.081

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	ACN- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	209	0	52	157
CIVILIAN	60	1	8	52
TOTAL	269	1	60	209

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
180	0.000	50.979	63.485	114.364	1.151	3.076

...MISSION
PLAN, CONDUCT, AND REPORT ON EXPANDED SERVICE TESTS AND CHECK TESTS OF A
IRBORNE, COMMUNICATIONS AND ELECTRONICS EQUIPMENT AND SYSTEMS. THE COMMU
UNICATIONS AND ELECTRONICS-TYPE EQUIP ARE USED AT DIV LEVEL OR BELOW. THE
AIRBORNE TESTS PERTAIN TO EQUIP AND SYS WHICH SPT AIRDROP AND TRANSPORT

...CURRENT IMPORTANT PROGRAMS
TEST OF CODE MATRIX BLOCK READER TRANSLATOR, BR-22
DT 11 OF AN/PAS-7, VIEWER, INFRARED
DT 11 OF MILITARY FREE-FALL PARACHUTE SYSTEM
TEST OF TWO-STAGE AERIAL DELIVERY SYSTEM, HALO CDS
TEST OF PLATFORM EARLY WARNING DEVICE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FACILITIES INCLUDE: HANGAR BLD, COMMUNICATIONS-ELECTRONICS FACILITY,
CRYPTOGRAPHIC TEST FACILITY, MINOR WORK SHOP AND A SENSIM TEST FACILITY.
MAJOR EQUIPMENT INCLUDES: 2 T200 AIRCRAFT, 1 UBG AIRCRAFT, 1 UH-1H HELI-
COPTER, 60000-POUND LOADER, 5-TON WRECKER, 20-TON MOBILE CRANE, 3 SEMI-T
TRAILERS, SEVERAL STANDARD VEHICLES, VARIOUS TYPES OF STANDARD PARACHUTES
STANDARD PLATFORMS, NINE GASOLINE DRIVEN GENERATORS, BALLASTABLE AIRDRIN
VEHICLES WITH REMOVABLE HEIGHT INCREMENTS, THREE ANEMOMETERS, VARIOUS T
HERMOMETERS, STOPWATCHES, ELEVEN TACTICAL RADIO SETS, TWO RADIO RECEIVER
S, SIX TELETYPEWRITER SETS, TWENTY TWO SIGNAL GENERATORS, TWO LEVEL METER
RS, 1 SOUND AND VIBRATION ANALYZER, 1 PHOTO ANALYZER, 5 OSCILLOGRAPHS, C
LUSTED CIRCUIT VIDEO EQUIPMENT, STRAIN GAUGES, ACCELEROMETERS, AND GALVI
METERS.

INSTALLATION ARCTIC TEST CENTER

FT. GREELY, AK.

DA0046

C. H. COL DAVID J. SCHMACHER

TECH. DIR. MR. JERRELL L. SAMMERS

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	2.929	2.902
TOTAL PROCUREMENT	0.008	0.000
TOTAL O&M	0.037	0.010
TOTAL OTHER	3.372	1.370
TOTAL ANNUAL LAB	6.346	6.282
TOTAL INHOUSE	6.283	6.237
TOTAL INHOUSE ROTCE	2.866	2.857
ANNUAL OPERATING COST	1.371	1.407

PERSONNEL	PERSONNEL DATA AUTHORIZED STRENGTH	END OF FY 1973		TOTAL PRIP	NON- PRIP
		TOTAL PHOS	TOTAL PRIP		
MILITARY	299	1	62	237	
CIVILIAN	25	0	5	20	
TOTAL	324	1	67	257	

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)	
	LAB	ADMIN	OTHER	TOTAL REAL PROP	EQUIP
664854	0.000	40.958	236.175	277.133	12.573
					5.597

...MISSION
PLAN COND & RPT ON ENVIRON PHASES OF ENG TESTS, SVC TESTS, CK TESTS,
INITIAL PROD TEST, MIL POT TEST & APPROP PRE-PROD TEST. TO PROVIDE
ADV TO PROP AGENCIES AND NAT DEVEL. COND OTHER TEST DEVAL AS DIR BY CG.
TECHN. PRIN SUPP TO CDR, AND OTHER DA SUB-EL, AS DIR, FOR SVCS NOT SHOWN.

...CURRENT IMPORTANT PROGRAMS
TRAIL TRUCK TRMS
NIGHT VISION GOGGLES TRMS
SKIS WITH BINDING TRMS
NIGHT VISION SIGHT DRAGON/TOM
MEAL INDIVIDUAL TRMS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
THE ATC FAC WITH FEW EXCP CAN BE USED FOR MULT APPL'S IN ACCOMP TESTS
ALLOWING THE CEN TO ACC A NO OR VAR OF TEST ITEMS AT ANY ONE TIME. ALL
FIRING RGS ARE ORIENTED TO FT GREELY 500,000 ACRE IMPACT AREA WEST OF
DILTA R. THIS AREA PROVIDES A MAX UNRESR RG OF 50,000 METERS. A MAJORITY IN
THIS AREA IS WITHIN RESTR AIRSPACE ALLOWING UNRESTR FIRING TO A MAX ORD
OF 5,000 FT. COORD WITH LOCAL FAA FLT SVC CAN EFFECT UNLIMITED CRUISE
CAP OVER ALL FIRING RGS. 1ST, 2D OR 3RD ORDER SURVEY MONUMENTS EXIST NEAR
ALL THE CEN FIRING RGS & TEST SITES. A GOOD SECONDARY RD SYS CONNECTS ALL
RGS TO THE ALASKA & RICHARDSON HWYS. CLASS A TEL CAP EXISTS WITH PRIM
RGS & A NON-TACTICAL RADIO NET PRIM ALT COMMO WITH ALL PARTS OF THE RFS.
ADEQUATE MAINT FAC FOR USCGS SUPP IN MOST ITEMS, TO INCL ACFT, ARE GRG TO
THE CEN. THE CEN HAS CMPT FAC ADEQUATE FOR ANY PORT. NET FAC ARE AVAIL.

INSTALLATION ARMOR AND ENGINEER BARRACK

FT. KNOX, KENTUCKY

DA0050

PHAS. CDR JOHN P. BERNES

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	2.248	2.141
TOTAL PROCUREMENT	0.222	0.135
TOTAL OCM	0.005	0.015
TOTAL OTHER	5.056	6.404
TOTAL ANNUAL LAB	7.531	8.695
TOTAL INHOUSE	7.531	8.695
TOTAL INHOUSE ROTCE	2.248	2.141
ANNUAL OPERATING COST	0.322	0.369

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PMS		
MILITARY	389	1	162	227
CIVILIAN	98	0	18	80
TOTAL	487	1	180	307

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
6900	0.000	63.348	192.233	255.781	1.426	2.017

...MISSION
PLAN, CONDUCT & REPORT ON DT I, DT II & OTHER TYPE TESTS OF ARMOR & ENGR EQUIP. AUTHV SYS & MATE ATOMIC DEMO & GEN EQUIP. PARTICIPATE IN DT II, DT III & SPEC STUDIES OF CCE AS DIRECTED. PROVIDE ADVICE & GUIDANCE TO MATERIAL DEVELOPERS & OTHER SERVICES. CONDUCT OTHER TESTS AS DIRECTED.

...CURRENT IMPORTANT PROGRAMS
SPECIAL STUDY, COMMERCIAL CONSTRUCTION EQUIPMENT PROGRAM
DEVELOPMENT TEST II (SVC PH) TANK, CBT, FULL-TRACKED, 105MM GUN, M67A1E3
DEVELOPMENT TEST II (SVC PH) ARMORED RECONNAISSANCE SCOUT VEHICLE, XM800
SPECIAL STUDY, METHODOLOGY INVESTIGATION OF MINES
DEVELOPMENT TEST II (SVC PH) PROJECTILES, 155MM, HE, XM692 AND XM731

...FUNCTIONS/EQUIPMENT/CAPABILITIES
USAAENBD MAJOR EQUIP: SIMFIRC INSTRUMENTATION SYSTEMS (DEAD & LIVE) PHAD
CRANE-40 TON STILL & MOTION PICTURE PHOTO EQUIP. STATIONARY ELEVATED
CAMERA PLATFORM FOR HEIGHTS UP TO 40 FT ABOVE ADJACENT GRADE. VIDEO TAPE
REORDERING GENERATOR. LOAD MATHS. MOBILE DYNAMOMETER, WHICH MEASURES DRAW
BAR PULL FROM 0 TO 100 TONS. TACTICAL WIND VELOCITY & COMBAT VEHICLES
ENGR CONSTR EQUIP. MACHINE SHIP EQUIPMENT & SHIP MAINTENANCE SETS.
USAAENHC FACILITIES CONSIST OF 6900 ACRES FOR TESTING. MCFARLAND-CLIVER
RANGE (160 ACRES) WITH FIRING CAPABILITY UP TO 2000 METERS. ADDITIONAL
RANGE, WITH FIRING CAPABILITY (IF UP TO 10,000 METERS ON SPACE AVAILABLE
BASIS) STILL WATER TEST AREA 72,988 SQ FT-BARRACK SPACE 71,788 SQ FT-
OFFICE SPACE 49,888 SQ FT-SHIP AREA 48,106 SQ FT-STORAGE SPACE AND
85,750 SQ FEET OF MOTOR PARK SPACE.

INSTALLATION ARMY MATERIAL SYSTEMS ANALYSIS AGENCY

ABERDEEN PROV GR, MD

DA0057

DIR. DR. JOSEPH SPERRAZZA

C.O. AND DEP. DIR. COL. J.D. GRANT

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	11.074	8.924
TOTAL PROCUREMENT	0.000	0.000
TOTAL CGM	1.832	1.485
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	12.906	10.409
TOTAL INHOUSE	8.466	6.609
TOTAL INHOUSE ROTCE	6.634	5.124
ANNUAL OPERATING COST	1.629	1.630

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	18	0	16	2
CIVILIAN	322	8	235	87
TOTAL	340	8	251	89

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
4	8.511	72.015	3.790	84.316	1.773	0.425

...MISSION
TO PROVIDE THE CENTRAL TECHNICAL CAPABILITY OF AMC FOR THE CONDUCT OF
MAJOR SYSTEMS ANALYSES OF PROPOSED & EXISTING ARMY WEAPONS/MATERIEL
SYSTEMS PROGRAMS & SUPPORT THROUGHOUT THEIR LIFE CYCLE TO SERVE AS THE
AMC FIELD AGENCY TO ADMINISTER THE JTCC/ME PROGRAM

...CURRENT IMPORTANT PROGRAMS

XMI TANK
SAM D
UTIAS
AAH
MILV

...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 & MATERIAL SYSTEMS.
RELIABILITY, AVAILABILITY AND MAINTAINABILITY CENTER FOR ARMY SYS. TECH
DIR OF AMC SURVEILLANCE PROGRAM FOR STOCKS OF ARMY MISSILES, 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.

DA0061

COL. AND DIR. COL WILLIAM C. PETTY DEPUTY DIR. MR. MARVIN DIAMOND

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	9.820	8.856
TOTAL PROCUREMENT	0.180	0.011
TOTAL UCM	0.000	0.000
TOTAL OTHER	3.031	2.837
TOTAL ANNUAL LAB	13.031	11.704
TOTAL INHOUSE	11.800	9.596
TOTAL INHOUSE RDCE	8.681	6.748
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PIDS		
MILITARY	467	1	43	424
CIVILIAN	281	11	122	159
TOTAL	748	12	165	583

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN	OTHER	TOTAL	REAL PRCP EQUIP
45	0.056	0.025	0.033	0.114	48.000	2.500

...MISSION
RESEARCH IN ATMOSPHERIC SCIENCES, DEVELOPMENT OF METEOROLOGICAL TECHNIQUES AND EQUIPMENT FOR FIELD ARMY. FURNISH METEOROLOGICAL SERVICES TO ARMY RDCE 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
REMOTE ATMOSPHERIC SENSING
METEOROLOGICAL SATELLITES
METEOROLOGICAL SUPPORT TO RDCE 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 RDCE SUPPORT FACILITIES-ALASKA TO CANAL ZONE
METEOROLOGICAL INSTRUMENTATION TEST, MAINTENANCE, CALIBRATION FACILITY
FACILITY FOR SUNC OBSERVATION OF TRAJECTORY AND IMPACT OF MISSILES
COLOR DENSITOMETER FOR ANALYSIS OF METEOROLOGICAL SATELLITE DATA

INSTALLATION AVIATION SYSTEMS TEST ACTIVITY

EDWARDS AFB, CAL.

DA0031

C.O. COL DEAN E. WRIGHT

TECH. DIR. MR. JAMES S. HAYDEN

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	4.395	5.208
TOTAL PROCUREMENT	0.000	0.000
TOTAL OGM	0.000	0.000
TOTAL OTHER	0.640	0.850
TOTAL ANNUAL LAB	5.235	4.058
TOTAL INHOUSE	5.235	4.048
TOTAL INHOUSE ROTCE	4.395	3.208
ANNUAL OPERATING COST	1.040	1.107

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	60	0	37	23
CIVILIAN	104	0	27	77
TOTAL	164	0	64	100

AFRIS	SPACE AND PROPERTY			TOTAL	REAL PROP	EQUIP
	SPACE (THOUSANDS OF SQUARE FEET)	LAH	ADMIN			
19	4.280	32.830	98.490	135.600	3.527	4.165

...MISSION
PLAN AND CONDUCT AIRWORTHINESS QUALIFICATION FLIGHT TESTS OF AIR VEHICLES DEVELOPED AND/OR PROCURED AIRWORTHINESS EVALUATIONS OF VEHICLES PROPOSED FOR ARMY APPLICATION INCORPORATE ADVANCED CONCEPTS PRODUCE DATA ON AIRCRAFT PERFORMANCE STABILITY AND CONTROL CONDUCT TEST PILOT COURSE

...CURRENT IMPORTANT PROGRAMS
HELICOPTER ARTIFICIAL ICING TESTS UH1 AH1 OH6 OH58 CH47 CH54
INSTRUMENT PANEL VIBRATION SURVEY AH1
212 TAIL ROTOR AH1
IFR QUALIFICATION OH6
IFR EVALUATION AH1

...FUNCTIONS/EQUIPMENT/CAPABILITIES
1047 2142 10VIC 1128R 2F-51D 20UH1 1CH47C AND 9 TEST AIRCRAFT
10MM COMPUTER WITH TELEMETRY
3AIRBORNE DATA ACQUISITION SYSTEMS
2 REMOTE GROUND STATIONS WITH COMPUTER AND TELEMETRY CAPABILITY
4 MAGNETIC TAPE SELECTRIC TYPEWRITERS FOR TEST REPORT PREPARATION
1MAGNETIC TAPE SELECTRIC COMPOSER SYSTEM
1XEROX 7200 COPY MACHINE
2HIDH INTR MODEL 820 AND MODEL M60
3AIRCHILD FLIGHT ANALYZERS
12MILLIKEN CAMERA VARIOUS SIZES
2CANON 16MM MOTION PICTURE CAMERAS
LIMITED INSTRUMENT CALIBRATION CAPABILITY

INSTALLATION AVIATION TEST BOARD

FT. RUCKER, AL.

A0052

PNES. COL ROBERT S. KELLAR

TECH. ADV. DR. JAMES S. KISHI

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	6.300	6.491
TOTAL PROCUREMENT	0.296	0.180
TOTAL OCM	0.407	0.524
TOTAL OTHER	2.551	2.021
TOTAL ANNUAL LAB	9.554	9.216
TOTAL INRIUSE	7.025	6.665
TOTAL INRIUSE RDCE	3.771	3.940
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	214	0	60	154
CIVILIAN	134	1	10	124
TOTAL	348	1	70	278

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)		COST (MILLION \$)			
	LA3	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
1189	3.018	19.150	206.668	228.876	4.401	13.629

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

...CURRENT IMPORTANT PROGRAMS
IN PROJECTS
ICAS ST
HOT DRICK PROGRAMS
AIDAPS PROJECT
XMS& MINE DISPENSER

...FUNCTIONS/EQUIPMENT/CAPABILITIES
HAVE REQUIRED FACILITIES & CAPABILITIES TO PERFORM STATED MSN, TO REVW
& COMMENT ON QMD'S, MCL NEEDS, POC'S, MAINT PACKAGES & TO ASSIST IN
REVIEWING MIL SPECS. ABILITY TO EVALUATE & RECOMMEND ON SAFETY & SUITA-
BILITY OF MTL'S 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 TRAIN-
ING LITERATURE & SELECTION OF TRAINING AIDS, TO RECOMMEND TO CG TECOM
THROUGH ESTABLISHED PROCEDURES, R&D PROJECTS DESIGNATED TO IMPROVE
TECOM TEST & EVALUATION.

INSTALLATION AVIONICS LABORATORY

EATONTOWN, N.J.

DA0064

C.O. LTC LEE HAND

TECH. DIR. MR. THEODORE SUITA

PROGRAM DATA BY FISCAL YEAR (MILLION \$)					
PROGRAM	1973		1974		
	(ACTUAL)		(ACT + EST)		
TOTAL ROTGE	12.737		13.970		
TOTAL PROCUREMENT	4.553		5.494		
TOTAL DGM	2.199		0.095		
TOTAL OTHER	0.254		0.027		
TOTAL ANNUAL LAB	19.743		19.586		
TOTAL INHOUSE	15.457		14.662		
TOTAL INHOUSE ROTGE	10.464		9.519		
ANNUAL OPERATING COST	4.553		5.302		

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	13	0	14	5
CIVILIAN	248	5	151	97
TOTAL	261	5	169	102

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	ADMIN	OTHER	TOTAL REAL PROP	EQUIP	
9	43.500	7.500	1.706	52.706	2.605	10.740

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

...CURRENT IMPORTANT PROGRAMS
LOW LEVEL NIGHT OPERATIONS FOR ARMY AIRCRAFT
ADVANCED AVIONICS SYSTEMS ANALYSIS
ABSOLUTE ALTIMETER
LANDING INMIS SPT, MADGE, ATCH SPT
AN/ARC-9R HF, 550 AM, MADGE (IN V COMM)

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TACTICAL AVIONICS SYSTEMS SIMULATOR
AIRCRAFT ANTENNA TEST FACILITY
FIXED BASE COCKPIT SIMULATOR (H-1)
INSTRUMENTED C-47 AIRCRAFT FOR TESTING NAVIGATION SYSTEMS
GYRO TEST FACILITY
MOVING EARTH SIMULATOR FOR DOPPLER NAVIGATOR TESTING
ELECTROMAGNETIC RADIATION TEST FACILITY

INSTALLATION BALLISTICS RESEARCH LABORATORIES

ANNIDLEN PROV GR, MD.

040022

C.C. COL RUDOLPH A. AXELSON

DIR. MR. ROBERT J. EICHENBERGER

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTC	38.358	31.455
TOTAL PROCUREMENT	0.174	0.000
TOTAL CGM	0.197	0.120
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	38.689	31.615
TOTAL INHOUSE	24.215	23.415
TOTAL INHOUSE RDTC	21.884	23.495
ANNUAL OPERATING COST	8.280	8.273

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED STRENGTH	TOTAL PMOS	TOTAL PROF	NON- PROF
MILITARY	66	8	61	5
CIVILIAN	826	89	417	409
TOTAL	892	97	478	414

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
1380	279.387	113.991	259.300	652.678	14.484	36.000

...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 AND BIOPHYSICS
INVESTIGATE PERTINENT BRANCHES OF MILITARY SCIENCE AND TECHNOLOGIES

...CURRENT IMPORTANT PROGRAMS
MATHEMATICAL MODELS OF GUN PROPELLANT SYSTEMS
CONVENTIONAL WARHEAD EFFECTS
MARILAD DYNAMICS FRAGMENTATION-EXPLOSIVE METAL INTERACTION
REFILED FLIGHT DYNAMICS IN PROJECTILES AND MISSILES
VULNERABILITY GROUND AND AIRBORNE TARGETS-OFFENSIVE/DEFENSIVE MEASURES

...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-TANDEM VAN DE GRAFF ACCELERATOR
EXPLOSIVE FIELD TEST FACILITIES
HIGH SPEED MOTION PHOTOGRAPHY SCHLIEREN INTERFEROMETRY
ELECTRON MICROSCOPE-ELECTRON SPIN RESONANCE-NUCLEAR MAGNETIC RESEARCH
ELECTROMAGNETIC RADIATION RANGES
ANALOG COMPUTER FOR SIMULATION OF DYNAMICS OF GUN AND RIFLE
PROPULSION AND COMBUSTION CHAMBERS
LASERS FOR PLASMA PROPAGATION AND SIGNATURES
AFTER GLOW REACTION CHAMBER-UPPER ATMOSPHERE CHEM REACTION RATE

INSTALLATION ARMY WEAPONS LABORATORY

WATERVILLE, N.Y.

DA0040

CDR. COL. RICHARD H. SAWYER

TECH. DIR. DR. ROBERT E. WELCH

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	10.706	14.548
TOTAL PROCUREMENT	3.209	3.142
TOTAL RCM	1.331	0.866
TOTAL OTHER	0.418	0.627
TOTAL ANNUAL LAB	15.664	19.083
TOTAL INHOUSE	13.288	12.871
TOTAL INHOUSE ROTCE	8.330	8.236
ANNUAL OPERATING COST	3.503	3.774

PERSONNEL DATA (END OF FY 1973)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PHD/F	NON- PHD/F
MILITARY	7	0	2	5
CIVILIAN	390	43	170	200
TOTAL	397	43	172	205

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)	COST (MILLION \$)				
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
4	167.463	24.600	7.489	199.552	2.365	4.148

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

EQUIPMENT IMPORTANT PROGRAMS
SYS MGMT LT WT CO MORTAR SYS, DEV OF 60MM MORTAR XM274 FOR LWCS
DESIGN & DEV OF 105MM HWM XM205 FOR 105MM TOWED HWM S.R. XM214
DESIGN & DEV OF CANNON 155MM HWM XM199 FOR 155MM HWM XM198 ON TOWERS
FATIGUE CORRELATION OF RELATIONSHIP BETWEEN LAB CYCLING & FIRING
INTRA HIGH PRESSURE RESEARCH FOR SYNTHESIS OF NEW MATERIALS APPLICATIONS

FUNCTIONS/EQUIPMENT/CAPABILITIES
UNIQUE FACILITIES & CAPABILITIES INCLUDE HIGH PRESSURE METALLURGY WITH
30 K-BAR FLUID EXTRUSION PRESS, ULTRA HI-PRESSURE SYS. UP TO 600 K-BARS
CAPACITY FOR MEAS. OF LOAD, TEMP., RESIST., & CAPACITANCE, ISOTOPE COUNTING
DYNAMIC TEST OF BREACH COMPONENTS & TUBE SECT.--FULL SIZE--BY PRESSURE/
PULSE SIMULATING FIRING LOADS, CLOSED LOOP FTGE. SYS. TO 100,000 LBS.,
EXP. STRESS ANAL. THRU 261 DIMENSIONAL PHOTOELASTICITY, ELECTRONIC POSITION
IN HI-TEMP ALLOYS, HI-TEMP VAC. TENSILE TESTING SYS. TO 3200C, SURFACE
AREA ANALYZER FOR POWDERS, HI-PERF. SHOCK TEST--1200LBS. TO 1500G FOR GUN
COMPONENTS, PROGRAMABLE FILAMENT WINDING MCH., PLASMA SPRAY FACILITY FOR
COMPOSITE MRLS., TIME OF FLIGHT MASS SPECTROMETER, AUTOMATED X-RAY ANAL.
DATA ACQUISITION SYS., ELECTRON MICROPROBE ANALYZER--R-U IN PPP--1MM
660-44 COMPUTER, ELECTRON MICROSCOPY--2.3 ANGST. RESOLUTION & 250000X MAG

INSTALLATION COLD REGIONS REE LABORATORIES

HANOVER, N.H.

DA0024

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

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTEE	4.769	4.696
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.578	0.216
TOTAL OTHER	2.843	3.443
TOTAL ANNUAL LAB	6.190	8.355
TOTAL INHOUSE	6.719	7.374
TOTAL INHOUSE RDTEE	3.816	4.224
ANNUAL OPERATING COST	1.800	1.980

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PRIF	NON- PRIF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	41	1	36	5
CIVILIAN	242	28	84	158
TOTAL	283	29	120	163

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
24	12.300	3.760	109.054	125.114	3.979	4.839

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

...CURRENT IMPORTANT PROGRAMS
ENGINEERING IN COLD ENVIRONMENTS
ENVIRONMENTAL QUALITY FOR COLD REGIONS - MILITARY CONSTRUCTION
RESEARCH IN MILITARY ENGINEERING AND CONSTRUCTION
COLD REGIONS RESEARCH
MOBILITY AND ENVIRONMENTAL RESEARCH

...FUNCTIONS/EQUIPMENT/CAPABILITIES
THE MAIN LABORATORY AT USACRREL CONTAINS 24 COLD LABS WHICH CAN BE
OPERATED TO -58 F. SPECIAL TESTING APPARATUS FOR FROZEN MATERIALS, A
CHEMICAL LAB, AN ELECTRON MICROSCOPE LAB, A ROCK MECHANICS LAB, A SOILS
PROCESSING LAB, AND A SPRAY IRRIGATION TEST FACILITY. FIELD WORK SUPPORT
IN ALASKA IS PROVIDED BY A FIELD STATION AT FAIRBANKS. REPRESENTATIVE
AREAS OF COMPETENCE AMONG USACRREL'S SCIENTISTS AND ENGINEERS INCLUDE
BIOLOGY, BIOCHEMISTRY, METEOROLOGY, CHEMICAL ENGINEERING, CIVIL
ENGINEERING, MARINE ENGINEERING, MECHANICAL ENGINEERING, GEOLOGY,
SANITARY ENGINEERING, ELECTRONICS, ELECTRICAL ENGINEERING, PHYSICS,
CHEMISTRY, HYDROLOGY, AND GEOPHYSICS.

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

DA0067

DEPUTY DIR. MR. HERBERT GOLDWAG

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCF	40.738	30.560
TOTAL PROCUREMENT	0.000	0.000
TOTAL CGM	0.000	0.000
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	40.738	30.560
TOTAL INHOUSE	14.200	14.635
TOTAL INHOUSE ROTCF	14.200	14.635
ANNUAL OPERATING COST	4.100	4.235

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PMS		
MILITARY	23	0	33	10
CIVILIAN	320	13	201	119
TOTAL	343	13	234	129

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL ESTATE	EQUIP
71	114.351	5.075	11.571	130.997	2.410	5.000

...MISSION
DEVELOP AND EQUIPMENTS FOR COMBAT SURVEILLANCE, TARGET ACQUISITION, IDENTIFICATION-FRIEND-OR-FOE, RADIOLOGICAL SURVEY. APPLY FOLLOWING TECHNOLOGIES: RADAR, I-R, LIGHT, SOUND, SEISMICS, NUCLEONICS, ELECTRO-OPTICS, PHOTOGRAPHY, GEOPHYSICS, IMAGE INTERPRETATION, DATA TRANSFER AND DRONES

...CURRENT IMPORTANT PROGRAMS
ADV DEV AND SUPPORTING TECHNOLOGY FOR ARTILLERY LOCATING RADAR AN/PPQ-U
ENGR DEV OF MOBILE, HELI-LIFTED, MORTAR-LOCATING RADAR AN/TPQ-36
ENGR DEV OF MOVING-TARGET LOCATING RADAR SET AN/TPS-58
ENGR DEV OF LASER DESIGNATOR TRACKER SYSTEM (LTDST)
REMOTELY MONITORED BATTLEFIELD SENSOR SYSTEM (REMBASS)

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PHOTO PROCESSING, OPTICAL TEST, LENS RESOLUTION TEST PATTERN FACILITIES (FAC), INCL: DARK ROOMS, CHEM LABS, RADAR TECHNIQUES DEV FAC, INCL: MICROWAVE DARK ROOM, ANTENNA PATTERN & TEST RANGE, 65FT HIGH RADAR TEST PLATFORM, FIVE OUTDOOR & ONE INDOOR RANGES INSTRUMENTED FROM 30 MHZ TO 70 GHZ PER SEC, MOBILE SPECTRAL AND TIME DISTRIBUTION MEASUREMENT FAC GOOD FROM 2900 A TO INTERMEDIATE IR, OPTICS FACILITY FOR MEASURING DETECTIVITY OF ELEMENTS (OUTPUT OF SOURCES, TRANSMISSION CHARACTERISTICS, LASER TEST & MEASUREMENT FAC FOR LASER SYSTEM COMPONENTS, RADAR INSTRUMENTATION FAC CAPABLE OF TRACKING X-BAND RADAR AND COLLECTING AND RECORDING POSITION, VELOCITY, AND SIGNAL STRENGTH HAS S-BAND SHORT-RANGE SEARCH CAPABILITY

INSTALLATION COMMUNICATIONS AND LABORATORY

FT. PERMOUTH, N.J.

DA0060

C.O. AND DIR. COL. J. MITCHELL

DEP. DIR. MA. R. KIEHS

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTC	21.600	30.292
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.330	0.170
TOTAL ANNUAL LAB	21.930	30.462
TOTAL INHOUSE	11.230	18.812
TOTAL INHOUSE RDTC	10.900	18.642
ANNUAL OPERATING COST	6.587	7.400

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PIOS		
MILITARY	12	1	18	6
CIVILIAN	394	18	261	133
TOTAL	406	19	279	139

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
0	33.437	42.524	5.018	80.979	0.000	11.800

...MISSION
TO PERFORM R&D ACTIVITIES RELATED COMMUNICATIONS 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
TACTICAL RADIO COMMUNICATIONS SYSTEM
RADIO SET ANPMC 70
ATACS TSU 85 TTC 38 TTC 39 ANUGC 7273747376 TD1065 TD1069
ARTADS TACFIRE TOS
ULTRA RELIABLE RADIO

...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 AND WIDE BAND RADIOS FROM LOW TO LASER FREQUENCY RANGE CONVENTIONAL 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 UNIT STANDARDS FOR ELECTROMAGNETIC COMPATIBILITY RADIATION AND PROPAGATION

INSTALLATION CONSTRUCTION ENGINEERING RESEARCH LABORATORY LDBANA, IL.

DA0066

DIR. COL. R.W. REISCHER

DEP. DIR. MR. R.L. SHAFFER

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RD&F	6.186	6.020
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	1.254	0.350
TOTAL OTHER	0.014	0.081
TOTAL ANNUAL LAB	7.454	6.451
TOTAL INHOUSE	4.086	4.485
TOTAL INHOUSE RD&F	3.526	4.154
ANNUAL OPERATING COST	1.485	1.204

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	ADN- PROF
	AUTHORIZED STRENGTH	TOTAL PMDS		
MILITARY	5	0	4	1
CIVILIAN	177	37	109	68
TOTAL	182	37	113	69

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN	OTHER	TOTAL REAL PRCP	EQUIP
30	74.621	32.359	0.000	107.100	3.851	2.093

...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
DEVELOPMENT OF MATERIALS FOR PERMANENT MILITARY CONSTRUCTION
ENVIRONMENTAL QUALITY FOR MILITARY CONSTRUCTION AND FACILITIES OPERATION
INDUSTRIALIZED BUILDINGS FOR MILITARY CONSTRUCTION APPLICATIONS
DEVELOPMENT OF IMPROVED DESIGN, CONSTRUCTION AND MANAGEMENT TECHNIQUES
EVALUATION OF ELECTROMECHANICAL SYSTEMS FOR MILITARY FACILITIES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONTROLLED ENVIRONMENT CHAMBER, 1-MILLION POUND CLOSED-LOOP MATERIALS
TEST SYSTEM, SCANNING ELECTRON MICROSCOPE, LOW 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 LIVING SYSTEMS, POWER GENERATION SYSTEMS,
UTILITIES SYSTEMS ANALYSIS AND EVALUATION, AND ARCHITECTURAL RESEARCH.

INSTALLATION DESERET TEST CENTER (LABS)

DUGWAY, UTAH

DA0042

C.O. COL ROBERT A. SHANE

SCIENTIFIC DIR. MR. M.A. ROTHENBERG

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	11.844	10.546
TOTAL PROCUREMENT	0.654	1.641
TOTAL CGM	0.957	1.190
TOTAL OTHER	2.301	1.334
TOTAL ANNUAL LAB	15.756	14.709
TOTAL INHOUSE	14.100	13.811
TOTAL INHOUSE ROTGE	11.059	10.183
ANNUAL OPERATING COST	10.222	10.171

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	201	3	171	30
CIVILIAN	736	14	129	407
TOTAL	937	19	300	637

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN OTHER	TOTAL REAL PROP	EQUIP	
840911	103.898	130.951	1718.943	1932.892	49.951	16.969

...MISSION
DPC PLANS & CONDUCTS APPROVED TESTS TO ASSESS THE MILITARY VALUE OF CML
WEAPONS & CML-BIO DEF SYS TESTS SPT R & D & PROVIDE A BASIS FOR DEVEL-
OPMENT OF NEW OPERATIONAL & LOGISTICAL CONCEPTS FOR EMPLOYMENT OF TEST-
ED 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 POL ABATEMENT SUP SHIELD & DEMIL OPERATIONS
CONDUCTS ECOLOGICAL EPIDEMIOLOGICAL & TOXICOLOGICAL SURVE OF DPG AREA

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MASS SPECTROMETRY GAS CHROMATOGRAPHY RADIOISOTOPE TRACER LABS PASS PM-
IRA-RED VISIBLE & ULTRAVIOLET NUCLEAR MAGNETIC RESONANCE FLUORESCENCE
SPECTROMETRIC EQUIP ANALYTICAL CENTRIFUGES RECORDING POLYGRAPH & DRG
SYNTHESIS FAC MICROBIOLOGICAL IMMUNOLOGICAL EPIDEMIOLOGICAL ECOLOGICAL
LABS FAC FOR HEARING & HOLDING EXPERIMENTAL ANIMALS(DOMESTIC & WILD
LARGE & SMALL) ENVIRONMENTAL CHAMBERS INCLUDING LARGE DEF TEST CHAMBER
ELECTRODYNAMIC & MECHANICAL VIBRATORS COMMUNICATION & RANGE SAFETY SYS
CINETHIXILITES SPECIALIZED BALLISTICS TRACKING & DOCUMENTARY CAMERAS
METEOROLOGICAL AUTO DATA ACQUISITION SYS MESOMETEOROLOGICAL NETWORK
ELECTRONIC OPTICAL RADAR DETERMINATION & TRACKING SYSTEMS OPTICAL
MECHANICAL SLAVING TRACKING AND DATA GENERATING EQUIPMENT SPACE
POSITION DETERMINATION CAPABILITY

INSTALLATION EDGWOOD ARSEVAL LABORATORIES

EDGEWOOD ARSEVAL, MD.

DA0038

C.O. COL KENNETH L. STAHL

TECH. DIR. DR. BENJAMIN L. HARRIS

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	31.487	33.340
TOTAL PROCUREMENT	2.110	3.191
TOTAL O&M	3.634	4.166
TOTAL OTHER	2.200	2.087
TOTAL ANNUAL LAB	39.439	42.792
TOTAL INHOUSE	37.302	39.189
TOTAL INHOUSE ROTGE	29.350	29.745
ANNUAL OPERATING COST	15.277	15.555

PERSONNEL DATA (END OF FY 1973)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PMS	TOTAL PROF	NON- PROF
MILITARY	219	54	152	67
CIVILIAN	1183	67	526	657
TOTAL	1402	121	678	724

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)	COST (MILLION \$)				
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
4055	456.713	97.329	148.156	742.196	16.459	12.851

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

...CURRENT IMPORTANT PROGRAMS
EPHONY-PROPHYLAXIS AGAINST LETHAL CHEMICAL AGENTS
BIOLOGICAL AND CHEMICAL AGENT ALARM DEVELOPMENT
BINARY LETHAL CHEMICAL AGENT PROJECTILE DEVELOPMENT
ACUTE & CHRONIC TOXICITY OF COMPONENTS FOR THE BINARY SYSTEMS
DEVELOPMENT OF RING AIR FOIL GRENADE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONDUCT IND RSCH OF ANTIPERS CHEM AGTS & ON VEG COM AGTS/MGT OF LEAD LAB FOR POL ARATE & ENVIRON COM TECH/TOX-PHYS & PHARM OF CHEM COMPOUNDS & ANTIPERS-ANTIMAT PLANE INCEND AGTS/DA RSCH OF DEF AGAINST CHEM ATTACK & DISSEM-DISPERS OF CHEM HUM/AERODYNAMICS RSCH/INVEST SIMULANTS & TRNG AGTS/DEV CHEM AGT PROJ-TEST & ASSESS TECH/DEV CIVIL DISTURN-PIFT CONTROL SYS/INTELLIGENCE EXPLOITATION/DEV PROT EQUIP & WNG-DETECT PAT FOR DEF AGAINST CHEM ATTACK & DEV CHEM AGENT MUNITIONS SYSTEMS.
MAJOR EQUIP IS CONTAINED IN A COMPLEX OF BNGR & LAB AREAS & INCLUDES CHEM PLNT PLTS-WIN FILLING-BNGR DESIGN & EXP FAB SHOPS, AERSEL 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. FLACHUCA, AR.

DA6054

C.O. COL EARL D. DOWNING

TECH. DIR. DR. GEORGE E. SCHAFER

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	7.945	6.868
TOTAL PROCUREMENT	1.655	1.911
TOTAL OCM	0.148	0.220
TOTAL OTHER	3.207	3.876
TOTAL ANNUAL LAB	12.955	12.875

TOTAL INHOUSE	10.078	9.705
TOTAL INHOUSE ROTCE	5.337	3.955
ANNUAL OPERATING COST	1.659	1.515

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	277	0	47	230
CIVILIAN	186	2	64	122
TOTAL	463	2	111	352

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
49600	0.000	200.739	0.000	200.739	2.918	25.182

...MISSION
OPERATE USELECTRONIC PROVING GROUNDPLAN, CONDUCT AND REPORT CA FIS,
CHECK TESTS, INITIAL PUN TESTS, PPT, ASGD SVC TESTS. PLAN, CONDUCT, AND REPT
ON EMC AND ECM TEST ANALYSES AS APPLIED TO COMMUNICATION-ELECTRONICS
EQUIPMENT/SYSTEMS.

...CURRENT IMPORTANT PROGRAMS
METHODS OF MEASURING ATTRACTIVITY ERROR
C-E EQUIPMENT TESTING
INSTRUMENTATION
METHODOLOGY
RADIO FREQUENCY COMPATIBILITY PROGRAM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
OPERATE AN ELECTROMAGNETIC ENVIRONMENTAL TEST FACILITY, ELECTRONIC
COUNTERMEASURES VULNERABILITY TEST FACILITY, SYSTEMS TEST FACILITY, AND
ENVIRONMENTAL TEST FACILITY.

INSTALLATION ELECTRONIC WARFARE LABORATORY

FT. MONMOUTH, N. J.

DA0063

DTP. MR. CLYDE D. HARDIN

DEP. DIR. LTC W. CLINGEMPEL

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	32.164	32.849
TOTAL PERMANENT	0.060	0.100
TOTAL OGM	0.345	0.345
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	32.569	33.294
TOTAL INHOUSE	15.201	16.115
TOTAL INHOUSE ROTGE	14.796	15.870
ANNUAL OPERATING COST	3.673	3.735

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED STRENGTH	TOTAL PHOS	TOTAL PROF	NON- PROF
MILITARY	50	0	11	39
CIVILIAN	417	3	198	219
TOTAL	467	3	209	258

ACRES	SPACE AND PROPERTY				COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAH	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
0	61.311	40.867	10.850	113.029	2.525	14.575	

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

...CURRENT IMPORTANT PROGRAMS
PROTECTION OF ARMY AIRCRAFT
ASATEM SIGINT PROGRAM-ARDF
MISSILE ELECTRONIC WARFARE
PROTECTION OF COMBAT VEHICLES
ORC READINESS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
ECM EQUIP & DEVICES RCD FACILITY, MISSILE EW, OF TEST FACILITY, MAJOR EQUIP
VT FUZE SIMULATOR, LASERS, RTMS, ANN ECM LABS, IN TEST RANGE, ECM TEST RANGE,
ANTENNIC CHAMBER, ANTENNA PATTERN RANGE, 20MHZ-40GHZ. CAPABILITIES, CONCEIVE
, DESIGN, DEVELOP ECM AGAINST C-E EQUIP, CONCEIVE, DESIGN, DEVELOP NEW EW SYS
FOR SIGINT, ELINT, COMINT, ORC APPLICATIONS. MEASURE VULN TO ECM OF ARMY
GUIDED MISSILES. PROVIDE LINEAR, SQUARE ROOT, LOG ANTENNA PATTERN
PRESENTATIONS.

INSTALLATION ELECTRONICS TECHNOLOGY AND DEVICES LAB

FT. MONMOUTH, N.J.

DA0062

DIR. DR. HANS ZIEGLER

DEP. DIR. MR. S. DANKO

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTC	16.747	12.658
TOTAL PROCUREMENT	0.600	0.498
TOTAL O&M	0.245	0.021
TOTAL OTHER	0.116	0.006
TOTAL ANNUAL LAB	17.708	13.183
TOTAL INHOUSE	10.567	8.829
TOTAL INHOUSE RDTC	9.871	8.314
ANNUAL OPERATING COST	1.980	2.010

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	6	4	12	6
CIVILIAN	377	38	237	140
TOTAL	383	42	249	146

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL PROP	EQUIP
0	129.156	4.878	3.046	137.110	0.000	17.443

...MISSION
THE LABORATORY PLANS AND EXECUTES A BROAD BASED INTERNAL AND CONTRACTUAL PROGRAM IN THE AREAS OF INTEGRATED CIRCUITS, SEMICONDUCTOR DEVICES, DISPLAY DEVICES, MICROWAVE AND SIGNAL PROCESSING, POWER SOURCES, FREQUENCY CONTROL, ELECTRON TUBES, MATERIALS, NUCLEAR HARDENING AND TRADE.

...CURRENT IMPORTANT PROGRAMS
CONVERSION OF ARMY ELECTRONIC EQUIPMENT TO ALL SOLID STATE OPERATION.
ADVANCEMENT OF INTEGRATED CIRCUITS AND MICROELECTRONICS.
DEVELOPMENT OF POWER SOURCES FOR THE FIELD ARMY.
DEVELOPMENT OF ELECTRON TUBES, FREQUENCY CONTROL DEVICES FOR C-E EQUIPT.
DEVELOPMENT OF TRADE FOR IMPROVED FIELD, DEPOT LOGISTICS.

...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. LABORATORIES FOR PERFORMING R AND D IN THESE AREAS ARE EQUIPPED WITH THE NORMAL COMPLEMENT OF STANDARD LABORATORY INSTRUMENTATION AND FACILITIES. LABORATORY WORK AREAS INCLUDE FACILITIES FOR THE COMPLETE FABRICATION AND TESTING OF INTEGRATED CIRCUITS AND ASSEMBLIES, SEMICONDUCTOR DEVICES, ELECTRON TUBES, DISPLAY STORAGE AND PICKUP DEVICES, ALSO FOR PRIMARY, SECONDARY AND SPECIAL PURPOSE POWER SOURCES, ELECTROCHEMICAL RESEARCH AND FOR THE CHARACTERIZATION OF ELECTRONIC MATERIALS, AND FOR STUDIES OF NUCLEAR RADIATION ON ELECTRONIC MATERIALS.

INSTALLATION ENGINEER TOPOGRAPHIC LABORATORIES

FT. BELVOIR, VA.

DA0004

C.O. COL JOHN E. WAGNER

TECH. DIR. MR. ROBERT P. MACCHIA

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	9.998	10.132
TOTAL PROCUREMENT	0.000	0.000
TOTAL CGM	0.000	0.000
TOTAL OTHER	0.218	0.258
TOTAL ANNUAL LAB	10.216	10.390
TOTAL INHOUSE	6.384	6.986
TOTAL INHOUSE ROTGE	6.167	6.748
ANNUAL OPERATING COST	0.604	0.604

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED STRENGTH	TOTAL PHOS	TOTAL PROF	NON- PROF
MILITARY	20	2	15	5
CIVILIAN	310	22	131	129
TOTAL	330	24	146	134

ACRLS	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	ADMIN	OTHER	TOTAL	REAL PREP	EQUIP
0	55.899	10.828	3.700	70.427	0.000	10.488

...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
DEVELOPMENT OF A SEMI-AUTOMATIC CARTOGRAPHIC SYSTEM
DEVELOPMENT OF A TOPOGRAPHIC SUPPORT SYSTEM
DEVELOPMENT OF AN ARMY TERRAIN INFORMATION SYSTEM
DEVELOPMENT OF A LONG-RANGE POSITION DETERMINING SYSTEM
DEVELOPMENT OF A POSITION AND AZIMUTH DETERMINING SYSTEM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FACILITIES INCLUDE AN EXPERIMENTAL CARTOGRAPHIC LABORATORY TO STUDY THE PROBLEMS ASSOCIATED WITH HANDLING DIGITAL CARTOGRAPHIC DATA, A PHOTOGRAPHIC PROCESSING LABORATORY TO SUPPORT INVESTIGATIONS OF COLOR PHOTOGRAPHY, A MEASUREMENT LABORATORY FOR PRECISE MEASUREMENT OF IMAGE COORDINATES REQUIRED IN ANALYSIS OF DATA REDUCTION SYSTEMS, A COHERENT OPTICS LABORATORY, AN ELECTRONICS LABORATORY THAT CAN ANALYZE CIRCUITS FROM DC TO 40 GHZ, AND A CHEMISTRY LABORATORY TO SUPPORT ANALYSIS OF THE IMAGE REPRODUCTION PROCESS. COMPUTATIONAL CAPABILITIES INCLUDE A FULL DUPLEX INPUT TO THE NATIONAL BUREAU OF STANDARDS UNIVAC 1108 WITH A PLANNED CHANGE OVER, BY THE END OF CALENDAR YEAR 1973, TO THE CDC 6400, AT THE U.S. ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT CENTER, FORT BELVOIR, VIRGINIA

INSTALLATION ENGINEER WATERWAYS EXPERIMENT STATION

VICKSBURG, MISS.

DA0005

DIR. COL GEORGE H. HILT

TECH. DIR. MR. F.R. BROWN

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	14.506	12.999
TOTAL PROCUREMENT	0.000	0.000
TOTAL OFM	0.521	0.301
TOTAL OTHER	13.278	24.308
TOTAL ANNUAL LAB	26.305	37.608
TOTAL INHOUSE	24.505	28.350
TOTAL INHOUSE ROTCE	12.153	10.934
ANNUAL OPERATING COST	4.378	4.550

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	58	4	64	6
CIVILIAN	1247	43	372	875
TOTAL	1305	47	436	881

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN	OTHER	TOTAL REAL PRIP	EQUIP
1974	1394.970	346.807	190.228	1932.005	15.315	25.956

...MISSION
MILGCV FUNDED ENGR RSCH, DEVG INVS IN HYD, ECOLOGY, PERMGEXPEDIENT PAVE-
MENTS, SOIL, CONCRETE, EXPLD WPM EFF, EXPLD EXCAVATION, VEN MOBILITY, ENVIRON-
MENTAL ASPECTS OF MIL OP, CONSULTANT SVCS, TECH LIBRARY, TECH SURVL CF CE-
MENT, POZZOLAN TEST PROG, SERVES CF, AMC, DNA, AEC, AF, NAVY, & OTHER AGENCIES.

...CURRENT IMPORTANT PROGRAMS
HYDGMATH MODELING TO SOLVE RIVER, TIDAL, WIND-WAVE, ECOLOGICAL & STRUC PROBS.
RSCH ON VEN MOBILITY, REMOTE SENSING, DREDGED MAT, EARTHQUAKE DESIGN CRT.
NUCLEIC RSCH TO DEV CRT FOR ED OF PROTECTIVE STRUCCHARIERS.
RSCH, DEVG FORMATION OF NEWCMP ENG CRT ON ROADS, STORM AREAS, BATHFELDS.
INVS OF CEMENTITIOUS MATRSCH OF MASSESTRUC CONCRETE.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CMT ROTCE FOR MANY SPONSORS, PERF GEN INVS IN FLD OF HYD, SOIL MECH, CON-
CRETE, MOBILITY OF MIL VEH, EXPLD EFF, ECOLOGY, EXPLD EXCAVATION, PAVEMENTS.
THRU BRAPPLIED RSCH, THESE FLDGRT FLD, THE DEV OF METHODS, TECHNIQUES
AND THE TESTING OF MATRSCH, ASST IN ACCUMPT OF THE CIV WORKSHPIL MSN.
OF CE-MS RESERVATION CMTN BLGS, TEST SITES, SPECI EQUIP, OTHER PLANT FAC.
TEST SITES, FAC FOR SP PURPOSES ARE MAINT IN OTHER AREAS ON PERM CR TEMP
BASIS. FAC INCL FLUMES OF DIFF TYPES & SIZES, WAVECYCLE GENR MACH, DRILL
EQUIP, FULLY EQUIPED SOILS, CONCRETE, CHEMISTRY, PHYS TREATMENT, CALEN, ELCTC
TEMPERATURE COM ENVIRONMENTAL MODEL LABS, X-RAY DIFFRACTION, SPECTROSCOPY
APPAR, LARGE & SMALL BLAST LOAD GENERATOR, 200K DYNAMIC LOADER, MOBILITY TEST
AND SINGLE & MULTIPLE WHEEL LOAD CARTS, SUR EFF BLAST FAC, HIGH & LOW FREQ VI-
BRATORS, ELECTRON MICROSCOPE, LARGE SCALE CMPT FAC, TECH LIBRARY.

77. 511. 1K.

DRS. COL EDWIN L. WEBER, JR.

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTEE	1.146	1.072
TOTAL PROCUREMENT	0.000	0.000
TOTAL CGM	0.000	0.000
TOTAL OTHER	3.702	3.700
TOTAL ANNUAL LCU	4.848	4.772
TOTAL INHOUSE	4.757	4.762
TOTAL INHOUSE ROTEE	1.055	1.062
ANNUAL OPERATING COST	0.283	0.311

PERSONNEL	PERSONNEL DATA (END OF FY 1973)				NON-PROF
	AUTHORIZED STRENGTH	TOTAL PINDS	TOTAL PROF		
MILITARY	368	0	72	296	
CIVILIAN	44	0	2	42	
TOTAL	412	0	74	338	

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
23	26,246	47,135	56,618	129,999	3,175	8,930

...MISSION
PLAN CONDUCT AND REPORT ON DEVELOPMENT TEST 1 DEVELOPMENT 11 (SERVICE
PHASIS) PARTICIPATE IN DEVELOPMENT TEST 11 (ENGINEERING PHASE) AND DEVELOP
MENT TEST 111 AS DIRECTED CONDUCT OTHER TESTS AND EVALUATIONS AS DIRECT
PROVIDE ADVICE TO PROPONENT AGENCIES AND DEVELOPERS

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...CURRENT IMPORTANT PROGRAMS
DTICSERVICE PHASEITACFIRE
DTICSERVICE PHASEILANCE WHO'S HE X4231
DTICSERVICE PHASEM100Z 02N SP 03W
DTICSERVICE PHASEIKADAR 4N/TPS 58A
DTICSERVICE PHASEINEX SYSTEM 5N/UNO-7

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..FUNCTIONS/EQUIPMENT/CAPABILITIES
TWO 105MM HOWTWO 155MM HOW ONE 6IN HOW/175MM GUN ONE AN-MPC4 RADAR
ONE MFT STATION AND MAINTENANCE AND EVALUATION FACILITIES TO DO UP TO
GS MAINT ON TEST ITEMS ADDITIONAL SUPPORT WHEN NEEDED IS OBTAINED
FROM USARFCS

INSTALLATION FRANKFORD ARSENAL LABORATORIES

PHILADELPHIA, PA.

040035

C.O. CIN REX D. WING

TECH. DIR. DR. SIDNEY ROSS

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTEC	27.193	25.412
TOTAL PROCUREMENT	5.195	5.481
TOTAL O&M	0.000	0.000
TOTAL OTHRP	0.064	0.064
TOTAL ANNUAL LAB	32.442	30.957
TOTAL INHOUSE	25.606	25.599
TOTAL INHOUSE ROTEC	20.347	20.054
ANNUAL OPERATING COST	5.577	5.888

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	MHW- PROF
	AUTHORIZED STRENGTH	PHYS		
MILITARY	34	0	24	10
CIVILIAN	1666	46	633	1033
TOTAL	1700	46	657	1043

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
43	571.641	149.872	462.372	1188.885	19.498	12.232

...MISSION
COMMONITY CNTR/SMALL CAL AMMO, FIRE CONTROL SYS, PROP ACTIAT DEVICES, DEV & ENG SHIP/TPACERS, ARTIL METAL PARTS, MECH TIME FUZES (TIMERS, RES CENG DEV/ OPTICAL MAT ETECH, NON-FERR METAL, NATRL DEGRAD, COATIN'S, SYNTH LUBS, FILLED LASER COUNTERMEASURE (SAFETY, COMPOSITION PREV, MYCOLOGY, TIME, PHOP, PYROTECH.

...CURRENT IMPORTANT PROGRAMS
ARMY SMALL & SMALL CANNON CAL AMMO RES, DEV, & ENG PROGRAM
SMALL CALIBER AMMUNITION MODERNIZATION PROGRAM, SCAMP
FIRE CONTROL EQ FOR AIRCRAFT, ANTIAIRCRAFT, ARTIS, COMM VEH, SMALL CAL M&AP
CENTRAL AND LAB FOR TEST MEASUREMENT DIAGNOSTIC EQUIPMENT, TIME
RESEARCH AND EXPLOR DEVELOP FOR LASER COUNTERMEASURE AND PROTECTION

...FUNCTIONS/EQUIPMENT/CAPABILITIES
36 BALLIST TEST RANGES, BALLIST MEAS EQUIP-PHOTOMETRIC TRACER, MICROWAVE INTERFEROMETER, HIGH SPEED HARD SOFT X-RAY, COPLER RADAR, ANECHOIC CHAMBR, HYDROPHIC EQ, VERT TEST TOWERS, 4 PADS FOR POINT FUZE DETONT, IR IN HI-G SHOCK MACHINE, ISSM AIR GIN, SPEC JGN COMBUST EQ, RAPID SCAN SPECTROPHOTOMETER, ELECT MICROSCOPE, SPECTROMETER, OPTICAL LAB DESIGN SHOP, LASER TEST FAC, PHOTO STATE PIN LAB, ELCT BEAM VAC FILM DEPOSIT EQUIP, PHOTOPLASTIC STRESS ANAL EQUIP, ATMOSP SIMN ATOR, CDC WATCH TERMINALS, HYDRAULIC & MECH PUMPER MIND EQUIP, MICROBIOLOGY LAB, TROP CLIMATE ROOM, DIFF SCAN CALORIMET PROP PROC LAB, AIRBORNE FIRE CONTROL EQUIP, AUTOMAT CHECK-OUT EQUIP, MINIDITY GUNING ROOM, SCAMP MODULES, PILOT TRACER LOAD FAC, RADIO-ISOPIE LAM, ULTRASONIC MAT TEST SYS, ELEC MICROPPORF, VAC-APC MELTING FIRM, STAT-DYNAM IMPACT TEST, MAIN ENG VEHICLE TEST FAC, LASER PHOTOLYSIS, SPACE SIMULATOR.

INSTALLATION HARRY D. JAMES CAMP

WASHINGTON, D.C.

DA0025

C.O. COL DAVID M. FISHER, JR.

TECH. DIR. MR. RILEY M. HORTON

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCF	43.041	35.350
TOTAL PERMANENT	10.320	45.137
TOTAL CGM	12.762	19.602
TOTAL OTHER	2.134	4.568
TOTAL ANNUAL LAB	68.257	107.457
TOTAL INHOUSE	27.021	36.674
TOTAL INHOUSE ROTCF	23.190	25.648
ANNUAL OPERATING COST	8.371	9.719

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PHYS	NON- PRIN
	AUTHORIZED STRENGTH	TOTAL		
MILITARY	9	3	9	0
CIVILIAN	1578	67	809	778
TOTAL	1587	70	809	778

ACRES	SPACE AND PROPERTY			COST (MILLION \$)	
	SPACE (THOUSANDS OF SQUARE FEET)	LAND	OTHER	TOTAL REAL PROP	EQUIP
2269	281.602	46.119	54.134	381.875	24.509

...MISSION
FREQUENCY TIME AND COMMAND FIZING/TARGET DETECTION AND SIGNATURE ANAL-
YSIS/TARGET INTERCEPT PHASE OF TERM GUID/WEAPON SYS SYNTHESIS/ANALYSIS/
ELECTRONIC EFFECTS & OTHER SEVERE ENV/FLUIDICS & MED ENG/INSTRUMENTATION
SIMULATION/COMPONENTS/MATERIALS/INDUSTRIAL/MAINTENANCE ENGINEERING

...CURRENT IMPORTANT PROGRAMS
RDTI (IN PROXIMITY & ELECTRONIC FIZING/MICROMINIATURIZATION OF ELECTRONIC
COMPONENTS/POWER SUPPLIES/NUC JPWS EFFECTS/INFE/INTERNAL & EXTERNAL EMP/
SPEC. PURPOSE RADARS/FLUIDICS/MIL40 LANCE FUZE/CAMP SENTINEL RADAR/MTJ2
SHIPT INTRUSION FUZE/MULTIPOINT FUZE FOR MCATARS XM734/SAH-D FUZE/TEMPS
ANMIA STUDIES/CHAPARRAL FUZE XM817/FUZE ON A CHIP RES/XM587 TIME FUZE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
SIMULATIONS TO DETERMINE SUSCEPTIBILITY OF WEAPON SYSTEMS TO NUCLEAR
WEAPONS EFFECTS & TO ESTABLISH HARDENED DESIGNS/PULSED NUCLEAR REACTION &
HIGH INTENSITY X RAY /AN EXTREMELY LARGE DOSE & VOLUME GAMMA RAY
GENERATION AIRRA & BICONIC ELECTROMAGNETIC PULSE EMP DEVICE & LARGE
TRANSPORTABLE EMP SIMULATION TEMPS FOR HIGH ALTITUDE & THREAT LEVEL
ENVIRONMENT SIMULATION/ARTILLERY SIMULATOR TO EVALUATE EFFECTS OF FIRING
FORCE/LATITUDE/MAGNETIC SIMULATOR FOR ANTITANK SIGNATURE ANALYSIS/INRA
RED DARK TUNNEL/ANTENNA TEST RANGE/RADAR TEST SITE/ HIGH PRESSURE SHOCK
TUBES FOR STUDY OF HIGH TEMP EASES/ MERCURY ARC PLASMA TUBE & OPTICAL &
SPECTROSCOPIC EQUIPMENT

INSTALLATION HUMAN ENGINEERING LABORATORY

ARMEDEN PROV GR, MD.

DA0026

DIR. DR. JOHN D. WEISZ

EXEC. LTC RICHARD D. KAVANAUGH

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + FSI)
TOTAL ROTEE	6.089	3.775
TOTAL PROCUREMENT	0.298	0.000
TOTAL CGR	0.000	0.250
TOTAL OTHER	0.305	0.330
TOTAL ANNUAL LAB	6.692	4.355
TOTAL INHOUSE	5.292	3.623
TOTAL INHOUSE ROTEE	4.649	3.043
ANNUAL OPERATING COST	1.313	1.300

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PMOS		
MILITARY	30	1	22	8
CIVILIAN	100	10	65	35
TOTAL	130	11	87	43

ALRS	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL PROP	EQUIP
10	26.500	17.605	28.553	73.058	0.709	2.700

...MISSION
CONDUCT BASIC AND APPLIED RESEARCH IN HUMAN FACTORS ENGINEERING
DEVELOP NEW HUMAN FACTORS ENGINEERING METHODOLOGY
ESTABLISH AND OPERATE A HUMAN FACTORS CHARACTERISTICS DATA BANK
INTEGRATE ALL HUMAN FACTORS DATA INTO ARMY NAT DEV PROGRAM

...CURRENT IMPORTANT PROGRAMS
HUMAN ENGINEERING LABORATORY IN ARMY TESTS, HELICOPTER
HUMAN ENGINEERING LABORATORY ARMOR SYSTEMS TESTS
COMBAT-LIKE PSYCHOLOGICAL STRESS EFFECTS
SHORT RANGE MANPORTABLE ANTITANK WEAPON TECHNOLOGY
HUMAN FACTORS ENGINEERING IN SUPPORT OF AIR MOBILITY

...FUNCTIONS/EQUIPMENT/CAPABILITIES
INSTRUMENTED PHYSICAL ENDURANCE COURSE
HELICOPTER SIMULATORS - WHIRLYWIND
COMMAND AND CONTROL INFORMATION HANDLING SIMULATIONS
ANEMIC CHAMBER
PHYSIOLOGY LABORATORY WITH INSTRUMENTATION
SMALL ARMS TEST FIRING RANGE
ANIMAL SURGICAL FACILITY
NOISE MEASUREMENT AND ANALYSIS INSTRUMENTATION
WOUND AND METAL WORKING TEST SUPPORT CAPABILITY
BURN ARMOR TEST SITE
CENTRAL NERVOUS SYSTEM OUTPUT RECORDING INSTRUMENTATION
HUMAN PERFORMANCE DATA BANK

INSTALLATION INFANTRY BARRACK

FT. BENNING, GA.

DA0047

PRIS. CDR WALTER E. MCENZEN

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	1.195	1.263
TOTAL PROCUREMENT	0.000	0.000
TOTAL OCM	0.006	0.034
TOTAL OTHER	2.201	2.139
TOTAL ANNUAL LAB	3.402	3.436
TOTAL INHOUSE	3.383	3.410
TOTAL INHOUSE ROTCE	1.176	1.237
ANNUAL OPERATING COST	0.198	0.179

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	161	0	16	145
CIVILIAN	58	0	2	56
TOTAL	219	0	18	201

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
0	0.000	50.053	21.194	71.247	0.802	0.360

...MISSION
PLAN CONDUCT & REPORT ON DEVELOPMENTAL TESTS,
TESTS, FEASIBILITY TESTS, ENGR DESIGN TESTS & PRODUCT IMPROVEMENT TESTS.
PARTICIPATE IN DEVELOPMENTAL AND PREPRODUCTION TEST AS DIRECTED.
PROVIDE ADVICE TO PROponent AGENCIES AND MATERIEL DEVELOPERS.

...CURRENT IMPORTANT PROGRAMS
CHECK OPERATIONS TEST MEDIUM ANTITANK ASSAULT WPN XM47 DRAGON
LIGHT WEIGHT COMPANY MTR SYSTEM
SERVICE TESTS OF NIGHT VISION SIGHTS ANPVS-4
DESERT CLOTHING SYSTEM
SERVICE TEST MICV XM723

...FUNCTIONS/EQUIPMENT/CAPABILITIES
EQUIP CANCELLARY ITEMS USED BY INF FOR FIRE POWER TARGET ACQUISITION.
GRIND SURVEILLANCE, FIRE CONTROL & C-ROUND MOBILITY CLOTHING EQUIP RATS &
COCKING & MESSING EQUIP, ANTIPERSONNEL MINES & RELATED EQUIP, CHEMICAL,
BIOLOGICAL & RADIOLOGICAL EQUIP FOR INDIVIDUALS ITEMS ARE WORN OR
CARRIED BY INDIVIDUAL PARACJUTISTS WHILE JUMPING AND THEN CARRIED AFTER
CLEARING THE DROP ZONE, REVIEW & COMMENT ON TRAINING DEVICE REQUIREMENT
DOCUMENTS, TRAINING PACKAGES, MAINTENANCE TEST PACKAGES & ASSIST IN THE
REVIEW OF MILITARY SPECIFICATIONS, PROVIDE TECOM TEST REQUIREMENTS FOR
THE COORDINATED TEST PLAN, PLAN, DIRECT & CONTROL A PROGRAM IN TEST WITH
TEST INSTRU & TEST FACILITIES NEEDED TO SUPPORT TEST REQUIREMENTS WITHIN
ASSIGNED MISSION AREA, SUPPORT OTHER AMC SUBORDINATE ELEMENTS.
PROVIDE TECOM MEMBERSHIP REPRESENTATION ON THE USAIC TEAM.

INSTALLATION INSTITUTE OF DENTAL RESEARCH

WASHINGTON, D.C.

DA0009

C.H. CIL SIMON CIVIAN

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTE	0.932	0.795
TOTAL PROCUREMENT	0.000	0.000
TOTAL CGM	0.000	0.000
TOTAL OTHER	0.760	0.836
TOTAL ANNUAL LAB	1.692	1.631
TOTAL INHOUSE	1.692	1.631
TOTAL INHOUSE RDTE	0.932	0.795
ANNUAL OPERATING COST	0.123	0.128

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PROF		
MILITARY	56	23	30	26
CIVILIAN	26	1	6	20
TOTAL	82	24	36	46

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL PRCP	EQUIP
4	9.325	5.696	7.330	22.351	0.631	0.800

...MISSION
CONDUCT RESEARCH IN ORAL DISEASE, MAXILLOFACIAL INJURIES, DENTAL MATERIALS, AND CLINICAL DENTISTRY, AND CONDUCT EDUCATION AND TRAINING PROGRAMS IN DENTISTRY.

...CURRENT IMPORTANT PROGRAMS
NONDEGRADABLE AND BIODEGRADABLE IMPLANT MATERIALS.
MERCURY TOXICITY IN DENTISTRY.
PRECIOUS METAL SUBSTITUTES.
ACCELERATION OF WOUND HEALING.
UTILIZATION OF NITINOL IN MEDICINE AND DENTISTRY.

...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 ANALYZE 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. SAN JOSE, TX.

DA0007

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

TECH. DIR. DR. ARTHUR D. MASON

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL PDTC	1.635	1.510
TOTAL PROCUREMENT	0.000	0.000
TOTAL OCM	0.000	0.000
TOTAL OTHER	1.511	1.608
TOTAL ANNUAL LAB	3.146	3.118
TOTAL INHOUSE	3.146	3.118
TOTAL INHOUSE PDTC	1.635	1.510
ANNUAL OPERATING COST	0.120	0.135

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PDS		
MILITARY	134	23	141	7
CIVILIAN	80	3	19	61
TOTAL	214	26	160	68

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	REAL PROP	EQUIP
	LAB	ADMIN	OTHER			
1	20.424	0.900	19.000	49.224	1.768	1.317

...MISSION
CONDUCT BOTH CLINICAL AND LABORATORY STUDIES IN TREATMENT OF THERMAL AND TRAUMATIC INJURIES. PROVIDE CARE FOR PATIENTS WITH THESE TYPES OF INJURIES. TRAIN OTHERS IN CARE OF SUCH PATIENTS.

...CURRENT IMPORTANT PROGRAMS
STUDY OF POSTBURN HEMODYNAMIC AND PULMONARY CHANGES; CLINICAL AND LAB STUDIES OF INFECTION IN BURN PATIENTS. STUDY OF ACUTE RENAL FAILURE AND RENAL PHYSIOLOGY. STUDY OF POSTBURN HEMATOLOGY AND IMMUNOLOGY. METABOLIC CHANGES FOLLOWING BURNS AND EFFECTS OF HYPERALIMENTATION.

...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. MAINTAINS AN ANIMAL CAGE, ELECTRONIC SHIP, SURGICAL LIBRARY, AND A METABOLIC CHAMBER.

INSTALLATION LAND WARFARE LABORATORY

ABERDEEN PROV GR, MD.

DA0001

C.O. COL R. CLARKSON

TECH. DIR. DR. R.D. SELLTON

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTC	7.227	4.093
TOTAL PROCUREMENT	0.000	0.000
TOTAL UCM	0.014	0.000
TOTAL OTHER	0.267	0.285
TOTAL ANNUAL LAB	7.508	4.378
TOTAL INHOUSE	4.778	3.925
TOTAL INHOUSE RDTC	4.507	3.640
ANNUAL OPERATING COST	2.070	2.083

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PMS		
MILITARY	16	0	11	5
CIVILIAN	110	5	51	59
TOTAL	126	5	62	64

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
80	40.691	2.655	12.628	55.974	0.659	0.612

...MISSION
TO PROVIDE A CENTRALIZED, QUICK REACTION, MULTIDISCIPLINED RESEARCH AND DEVELOPMENT FACILITY FOR ACCOMPLISHING DEVELOPMENT OF SPECIALIZED MILITARY ITEMS AND FOR THE GENERATION OF NEW IDEAS FOR DEVELOPMENT OF SUCH MATERIAL

...CURRENT IMPORTANT PROGRAMS
TACTICAL CAMOUFLAGE AND CONCEALMENT, HARDWARE IN SUPPORT OF ARCTIC OPERATIONS, CONTROL OF CIVIL DISTURBANCES, TARGET DETECTION AND LOCATION, SURVIVAL AND IMPROVED COMBAT EFFECTIVENESS OF THE INDIVIDUAL SOLDIER
SURVIVAL AND IMPROVED COMBAT EFFECTIVENESS OF THE INDIVIDUAL

...FUNCTIONS/EQUIPMENT/CAPABILITIES
THE USALWL PROVIDES RESEARCH AND DEVELOPMENT ASSISTANCE TO SOLUTION OF FIELD PROBLEMS IN ALL THEATERS AND IN ALL CLIMATES AND GEOGRAPHIES. THE LABORATORY CAPABILITY COVERS ALL MAJOR SCIENTIFIC AREAS. WITH 62 PROFESSIONAL PERSONNEL THE ORGANIZATION CONTAINS 7 SMALL WELL-EQUIPPED WORKING LABS IN COMMUNICATIONS/ELECTRONICS, MUNITIONS, MOBILITY, ENVIRONMENT AND SURVIVAL, APPLIED CHEMISTRY, APPLIED PHYSICS AND BIOLOGICAL SCIENCES. FURTHER, THE LABORATORY HAS INHOUSE DESIGN AND PROTOTYPE FABRICATION CAPABILITY IN METALS AND WOOD. THE ORGANIZATION IS ASSIGNED AN EIGHTY ACRE TEST FACILITY FOR DEVELOPMENTAL TESTING OF PERTINENT ITEMS AND IS LOCATED AT ABERDEEN PROVING GROUND, MARYLAND WHERE MANY MAJOR TESTING FACILITIES ARE READILY AVAILABLE.

INSTALLATION LETTERMAN ARMY INSTITUTE OF RESEARCH

PRESIDIO, S.F., CAL.

DA0020

C. IN COL WILLIAM A. AKERS

TECH. DIR. DR. JAMES R. NEVILLE

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RD&E	0.629	3.585
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.070	0.034
TOTAL OTHER	12.505	2.264
TOTAL ANNUAL LAB	13.204	5.883
TOTAL INHOUSE	1.509	5.983
TOTAL INHOUSE RD&E	0.629	3.585
ANNUAL OPERATING COST	0.261	1.191

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PIDS		
MILITARY	91	22	54	37
CIVILIAN	22	3	12	10
TOTAL	113	25	66	47

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
3	46.917	9.900	0.000	55.817	0.467	2.760

...MISSION
CONDUCTS RESEARCH IN FIELDS OF MEDICINE AND DENTISTRY, GUIDES, COORDINATES, SUPPORTS RESEARCH PROJECTS OF STAFF MEMBERS OF LETTERMAN ARMY MEDICAL CENTER, SIMILARLY SUPPORTS RESEARCH IN HOSPITALS AT CLASS I INSTALLATIONS, MONITORS OTHER RESEARCH AS DIRECTED BY CG, USAMRIID.

...CURRENT IMPORTANT PROGRAMS
ASSULTS AGAINST HUMAN SKIN- WATER, HEAT, HUMIDITY, FRICTION, INSECTS, BACTERIA, FUNGI ALONE AND IN COMBINATIONS SURVEY OF MAXILLOFACIAL INJURIES, EARLY RESTORATION OF ORAL INTEGRITY, BONE REPAIR, BACTEREMIA, HEMORRHAGIC SHOCK, RAPID OXYGEN-HEMOGLOBIN DISSOCIATION DETERMINATION.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
LAB EQUIPPED FOR CUTANEOUS AND ORAL BACTERIOLOGY, BIOCHEMISTRY, PLASMID GAS ANALYSIS, CHROMATOGRAPHY, ENZYMOLOGY, HEMATOLOGY, HISTOLOGY, PHYSICAL CHEMISTRY, IMMUNOLOGY, MYCOLOGY, NUCLEAR PHARMACY, ANIMAL PHYSIOLOGY, AND ISOTOPIC SCANNING, 30 MILITARY VOLUNTEERS ARE USED IN STUDIES OF DELAYED HYPERSENSITIVITY FRICTION BLISTERS, FUNGAL SKIN INJECTIONS, MOSQUITO REPELLENTS, PROLONGED WARM WATER IMMERSION AND PRICKLY HEAT RASH, MAINTAIN BREEDING COLONY OF MUEN-CHASE GLINEA PIGS FOR CUTANEOUS DELAYED HYPERSENSITIVITY, BONE GRAFTING, REPAIR, AND HEALING STUDIES EMPLOY ANGER SCINTILLATION CAMERA, PHYSICAL METHODS, AND HISTOLOGY. OXYHEMOGLOBIN DISSOCIATION VALUES OBTAINABLE IN 5 MINUTES USING 0.1 ML BLOOD AND NOW BEING EVALUATED IN MAN. LAIR TO ASSUME MISSION OF USAMRIID, DENVER, CO IN AUG 1973.

INSTALLATION MATERIALS AND MECHANICS RESEARCH CENTER WATERTOWN, MASS.

DA0027

DIR. DR. A.E. GORUM

C.O. AND DEPUTY DIR. LTC R.B. HENRY

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	18.999	19.025
TOTAL PROCUREMENT	4.715	3.124
TOTAL DCM	1.788	1.637
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	25.502	23.786
TOTAL INHOUSE	14.861	12.036
TOTAL INHOUSE ROTCE	11.277	9.112
ANNUAL OPERATING COST	3.771	3.890

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	PHDS		
MILITARY	9	7	13	6
CIVILIAN	557	64	217	380
TOTAL	606	71	230	386

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN	OTHER	TOTAL REAL PROP	EQUIP
48	389.161	96.018	169.979	655.158	14.043	13.547

...MISSION
MANAGE AMC RED SYRUC MAT & MECH PROG AS LEAD LAB FOR MAT, SOLID MECH & TESTING TECHNOLOGY. CONDUCT TECHNOLOGICAL PROG IN MAT & MECH USED IN ARMY MATERIEL. EXECUTES PROGRAM IN OWN FACILITIES & BY ASSIGNMENT & FUND TRANSFER TO OTHER AMC LABS & CONTRACTORS.

...CURRENT IMPORTANT PROGRAMS
RED PROGRAMS FOR IMPROVED MATERIALS - ARMOR
RED PROGRAMS FOR IMPROVED MATERIAL - ABM HARDENING
RED PROGRAMS FOR IMPROVED MATERIAL - AIRCRAFT
RED PROGRAMS FOR IMPROVED MATERIAL - MATERIALS-PROCESSING & EVALUATION
RED PROGRAMS FOR IMPROVED MATERIAL - ARMAMENTS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MANAGE AMC RED 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 & INVEST BASIC FACTORS INVOLVED IN PROC & APPL OF NEW & IMPROVED MATLS. TECH MANAGE FIVE INFO ANAL GEN. 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.

DA0046

C.O. COL WALTER R. HARRIS

TECH. DIR. MR. H.A. BECHTOL

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	9.502	10.265
TOTAL PROCUREMENT	13.194	14.252
TOTAL O&M	0.709	0.766
TOTAL OTHER	0.837	0.924
TOTAL ANNUAL LAB	24.242	26.107
TOTAL INHOUSE	23.770	25.612
TOTAL INHOUSE ROTGE	9.439	10.190
ANNUAL OPERATING COST	12.664	13.872

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PIDS		
MILITARY	77	0	45	32
CIVILIAN	912	1	162	750
TOTAL	989	1	207	782

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAH	ADMIN	OTHER		REAL PROP	EQUIP
24908	1220.000	424.000	909.000	2549.000	16.203	34.000

...MISSION
PLAN CBT & REPT TESTS OF WPNS WPN SYS RKTS & GM SYS FIRE CON SURV & TGT
ACQ EQUIP ITEMS (OF AMMO) & MUN COMPONENTS CRT VENS OTHER AUTO MAT GEN
EQUIP SUCH AS GENERATORS & AIR CONDUS PROC INSP STORE & ISSUE ARMOR PLATE
FOR ALL USMC AMMO TEST PROV REQ ADVISE TO PROPONENT AGCYS & DEVELOPERS

...CURRENT IMPORTANT PROGRAMS
ENGR DESIGN TEST OF ARMOR SYS STUDY DATA FOR NEW PBT
DEV SUIT TEST OF ARMORED RECON SCOUT VEH XM800
ENGR TEST OF INW 155MM TOFED XM198 AND PROP CHGS XM123 AND XM164
ENGR DESIGN TEST OF PROJ 105MM APFSDS-T XM735
DEV SUIT TEST OF FIRING PNT WPNS FOR MICV XM723

...FUNCTIONS/EQUIPMENT/CAPABILITIES

TEST AREA 24908 ACRES RANGE TO LAND IMPACT 26000 P. RANGE TO WATER IMPACT
30000 M. 41 MI OF AUTHV CRS INCL 27 SP ENGR TEST CRS & OBSTACLES VARIETY
OF ENVIR OR COND EQUIP SP CHAMBERS FOR SUBJECTING EQUIP TO DLST SALT
SPRAY OR SOLAR RADN ISOLATED VIBRATION TEST FAC WHICH PERMITS SHAKING
EXPLD 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 VIL & TGT EQUIP IS AVAIL FOR OBSERVATIONS
DURING RAPID FIRE AS IS A RKT TRACK FOR CONTROLLED TERMINAL BALLISTIC
TESTS FAC AVAIL FOR TESTS OF SP ELECTRONIC & FIRE CEN EQUIP & RELATED
SYS & COMPONENTS

INSTALLATION MEDICAL BIOENGINEERING RESEARCH LABORATORY

FORT DETRICK, MD.

DA0068

C.O. COL ORLYN C. HESTERFICH

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDYCE	1.440	2.199
TOTAL PROCUREMENT	0.000	0.000
TOTAL CGM	0.000	0.000
TOTAL OTHER	0.299	0.349
TOTAL ANNUAL LAB	1.739	2.548
TOTAL INHOUSE	1.739	2.548
TOTAL INHOUSE RDYCE	1.440	2.199
ANNUAL OPERATING COST	0.495	0.734

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	27	3	17	10
CIVILIAN	64	3	14	50
TOTAL	91	6	31	60

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
2	27.000	22.000	37.000	86.000	2.579	0.967

...MISSION
TO CONDUCT RESEARCH AND DEVELOPMENT OF BIOMATERIALS AND MILITARY MEDICAL
EQUIPMENT ON A CONTINUING BASIS FOR DEPARTMENT OF THE ARMY AND CAN AS
REQUIRED BASIS FOR THE NAVY AND AIR FORCE.

...CURRENT IMPORTANT PROGRAMS
COMPUTER ANALYSIS OF A MULTI-DEGREE OF FREEDOM ARM. DEVELOPMENT OF NEW
CUSHIONING MATERIALS TO PREVENT DECUBITIS ULCERS. SYNTHESIS OF NEW
ARTIFICIAL TENDON MATERIALS. DEVELOPMENT OF A PROTOTYPE ARM AND HAND
WASHER.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
LAB CAPABLE OF DESIGNING AND DEVELOPING AND FABRICATING PROTOTYPE
FIELD MEDICAL EQUIPMENT, DESIGNING, DEVELOPING AND FABRICATING PROTOTYPE
AND CUSTOM-FITTED PROSTHETIC AND ORTHOTIC DEVICES AND RELATED CONTROL
UNITS, DEVELOPING, AND CONDUCTING IN VIVO AND IN VITRO STUDIES OF
BIOMATERIALS, ELECTRON MICROSCOPY, AND PERFORMING CHEMICAL AND
BIOLOGICAL ANALYSIS OF THE ENVIRONMENT.

INSTALLATION MEDICAL RESEARCH AND NUTRITION LAB, FGH DENVER, CO.

DA0011

C.O. COL JOHN E. CANHAM

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	2.652	0.000
TOTAL PROCUREMENT	0.000	0.000
TOTAL CEM	0.000	0.000
TOTAL OTHER	1.122	0.000
TOTAL ANNUAL LAB	3.774	0.000
TOTAL INHOUSE	3.774	0.000
TOTAL INHOUSE ROTGE	2.652	0.000
ANNUAL OPERATING COST	0.538	0.000

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PMS		
MILITARY	110	24	65	45
CIVILIAN	90	9	33	57
TOTAL	200	33	98	102

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
2	77.77	5.138	21.977	104.792	5.079	1.418

...MISSION
DETERMINE THE ADEQUACY OF TROOPS DIET IN ALL ENVIRONMENTS AND RECOMMEND NUTRITIONAL MEASURES FOR OPTIMUM PERFORMANCE. CONDUCT BASIC/APPLIED RESEARCH ON MED/SURG AND NUTRITIONAL PROBLEMS, COMPUTER TECHNIQUES IN BIO-MED AREAS, FOOD HYGIENE & PHYSIOLOGY OF EXERCISE & BODY COMPOSITION.

...CURRENT IMPORTANT PROGRAMS
NUTRITIONAL AND METABOLIC ADAPTION AND INTERRELATIONSHIPS. NUTRITIONAL AND PHYSIOLOGICAL FACTORS INFLUENCING MILITARY DOG PERFORMANCE. BIOCHEMICAL FACTORS INFLUENCING PHYSIOLOGICAL FUNCTIONING. APPLIED NUTRITION STUDIES OF MILITARY AND POW POPULATION. NUTRITIONAL REQUIREMENTS OF MILITARY PERSONNEL.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
HUMAN METABOLIC WARD WITH TEMP AND HUMID CONTROL RM, GERM-FREE ANIMALS, ACOUSTIC PHYSIO-PERF, ELECTRON MICROSCOPY, HIGH ALT LAB AT PIKES PEAK, ENVIRON TEST CHAMBER, RCA 301-355 ADPS, AUTO ANALYZERS AND RECORDER INCLUDING AUTO BETA AND GAMMA COUNTERS, SHADOW SHIELD WIDE BODY COUNTER, AND MASS SPECTROMETER. RSCH INCLUDES NUTR SURVEYS AND CATION TESTING. BIOMED CMPT RSCH, INFLUENCE OF HIGH TERRESTRIAL ALT ON PHYSIO-PHYCHO PER, BODY COMPOSITION, METABOLISM AND MODIFYING FACTORS, BASIC/APPLIED STUDIES OF TRACE MINERAL METABOLISM, NUTRIENT ROR AND INTERRELATIONSHIP, METABOLIC RESPONSE OF MAN TO NUTR AND DISEASE, EXPR SURG, COMPARATIVE PATHOLOGY OF STRESS IN ENVIRON AND OF NUTR, PHYSIO AND BIOCHEM STUDIES OF MUSCLE METABOLISM, EXER AND FATIGUE IN MAN AND MILITARY DOG.

INSTALLATION MEDICAL RESEARCH INST OF INFECTIOUS DISEASES FORT DETRICK, MD

0A0019

C.O. COL JOSEPH F. METZGER

TECH. DIR. DR. WILLIAM R. REISEL

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	6.556	7.150
TOTAL PROCUREMENT	0.000	0.000
TOTAL OCM	0.420	0.446
TOTAL OTHER	2.861	3.256
TOTAL ANNUAL LAB	9.837	10.852
TOTAL INHOUSE	9.837	10.852
TOTAL INHOUSE ROTGE	6.556	7.150
ANNUAL OPERATING COST	2.339	2.646

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED STRENGTH	TOTAL PIDS	TOTAL PROF	NON- PROF
MILITARY	358	57	62	296
CIVILIAN	229	23	43	186
TOTAL	587	80	105	482

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
57	93.217	13.819	198.731	305.767	17.824	3.213

...MISSION
STUDIES PATHOGENESIS, DIAGNOSIS, PROPHYLAXIS, TREATMENT, EPIDEMIOLOGY
OF INFECTIOUS DISEASES, EMPHASIZING PROBLEMS OF MEDICAL DEFENSE AGAINST
NEW AGENTS, NATURALLY OCCUR INFECTIONS OF PECULIAR MIL IMPORTANCE AND
MICROORGANISMS WHICH REQUIRE SPECIAL CONTAINMENT FACILITIES..

...CURRENT IMPORTANT PROGRAMS
DEVELOPMENT OF NEW VACCINES AND TOXOIDS.
CREATION OF PHYSIOLOGY LABORATORY TO STUDY INFECTIOUS DISEASES.
DEVELOPMENT OF IMPROVED METHODS FOR DISEASE MANAGEMENT.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TWO LARGE BLDGS PROVIDE ABOUT 300,000 SQ FT OF SPACE AND CONTAIN
23 MODERN LABORATORY SUITES WHICH REPRESENT LATEST IN FUNCTIONAL
CONCEPTS, LAB DESIGN, AND SAFETY. A COMPLEX PROGRAM OF MED 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
RADIOIMMUNASSAY LABORATORIES, A VACCINE PRODUCTION SUITE, HOSPITAL
FACILITIES FOR MED PATIENTS AND FOR RESEARCH STUDIES WITH VOLUNTEERS.
USAMRIID RESEARCH IS SUPPORTED BY 2 COMPUTERS AND AN ANIMAL FARM.

INSTALLATION MEDICAL RESEARCH LABORATORY

FT. KNOX, KY.

DA0014

C.O. COL FRANK R. CAMP, JR.

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1-74 (ACT + EST)
TOTAL ROTGE	1.749	1.333
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.202	0.250
TOTAL OTHER	0.744	0.716
TOTAL ADJUTANT LAB	2.695	2.299
TOTAL INHOUSE	2.695	2.299
TOTAL INHOUSE ROTGE	1.749	1.333
ANNUAL OPERATING COST	1.014	0.861

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	ACTUAL		
MILITARY	115	11	74	41
CIVILIAN	132	9	23	109
TOTAL	247	20	97	150

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN OTHER	TOTAL	REAL PRCP	EQUIP
20	98.025	5.368	34.734	128.127	0.290	2.693

...MISSION
CONDUCT RESEARCH IN SENSORY PSYCHOPHYSIOLOGY, BIOLOGIC EFFECTS IN LASER RADIATION, AND MILITARY BLOOD BANKING. OPERATE BLOOD DONOR CENTER AND CONDUCT TRAINING PROGRAM IN IMMUNHEMATOLOGY.

...CURRENT IMPORTANT PROGRAMS
MILITARY BLOOD BANKING, METHODOLOGY AND EQUIPMENT.
MILITARY BLOOD BANKING, EVALUATION OF CHANGES IN BLOOD DURING STORAGE.
MILITARY PERFORMANCE, PSYCHOPHYSIOLOGY OF VISION.
MILITARY PERFORMANCE, TRAUMATIC ORIGINS OF HEARING LOSS.
LASER EFFECTS UPON VISUAL PERFORMANCE.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PROCESS 500 UNITS OF WHOLE BLOOD AND COMPONENTS PER WEEK. PERFORM AUTOMATED BLOOD GROUPING FOR NEW INDUCTEES. PROVIDE A LARGE SUPPLY OF FROZEN PLASMA AND COMPONENTS TO ODD HOSPITALS. PERFORM CERTAIN SPECIALIZED AUDIO TESTS. HOLDING CAPABILITY FOR UP TO 100 PRIMATES. CONDUCT RESEARCH IN BIOLOGIC EFFECTS OF LASER RADIATION. CONDUCT RESEARCH IN MILITARY BLOOD BANKING. CONDUCT TRAINING PROGRAM IN IMMUNHEMATOLOGY. CONDUCT ENLISTED BLOOD BANKING COURSE 311-F1.

INSTALLATION MEDICAL RESEARCH UNIT

KUALA LUMPUR, MALAYSIA

DA0010

COL. COL CHARLES R. WEND

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	0.274	0.000
TOTAL PROCUREMENT	0.000	0.000
TOTAL CGM	0.000	0.000
TOTAL OTHER	0.085	0.000
TOTAL ANNUAL LAB	0.359	0.000
TOTAL INHOUSE	0.359	0.000
TOTAL INHOUSE ROTCE	0.274	0.000
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PMOF	NON- PMOF
	AUTHORIZED STRENGTH	TOTAL PMOS		
MILITARY	8	5	7	1
CIVILIAN	0	0	0	0
TOTAL	8	5	7	1

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
15	7.000	0.900	0.000	7.900	0.100	0.222

...MISSION
TO FIND A DRUG OR NATURAL FACTOR WHICH BLOCKS ENDOGENIC FEVER.
TO STUDY INFECTIOUS DISEASES OF POTENTIAL MILITARY IMPORTANCE IN
EQUATORIAL ASIA.

...CURRENT IMPORTANT PROGRAMS
STUDY SCHUB TYPHUS TRANSMISSION IN VIRGIN FORESTS.
EVALUATE SUBHUMAN PRIMATES FOR HUMAN MALARIA HOSTS.
DETERMINE TRANSOVARIAL TRANSMISSION RATE OF RICKETTSIA.
STUDY OF DIARRHEA IN ABORIGINAL FOREST DWELLERS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONTINUED RESEARCH EFFORTS ALONG PRESENT LINES WITHIN THE SCOPE OF
RESEARCH ACTIVITIES, TO PROVIDE DIAGNOSTIC LABORATORY CONSULTATION FOR
MALAYSIAN CIVILIAN AND MILITARY MEDICAL SERVICES AND FOR COMMONWEALTH
MILITARY MEDICAL SERVICES. LABORATORY SPACE AND ANIMAL-REARING
FACILITIES ARE PROVIDED BY THE INSTITUTE FOR MEDICAL RESEARCH,
KUALA LUMPUR, MALAYSIA.

INSTALLATION MEDICAL RESEARCH UNIT

RAINCA HEIGHTS, C.Z.

DA0017

C.O. CIN. HRYCE C. WALTON

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTLT	0.140	0.000
TOTAL PRIKTIEMENT	0.000	0.000
TOTAL CCM	0.000	0.000
TOTAL OTTER	0.109	0.000
TOTAL ANNUAL LAB	0.249	0.000
TOTAL INHOUSE	0.249	0.000
TOTAL INHOUSE RDTLT	0.140	0.000
ANNUAL OPERATING COST	0.090	0.000

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	10	2	5	5
CIVILIAN	11	0	0	11
TOTAL	21	2	5	16

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
0	5.000	0.600	0.000	5.600	0.100	0.061

...MISSION
IN CONJUNCTION WITH OTHER US GOVT AGENCIES, CONDUCTS RESEARCH ON MEDICAL AND ENVIRONMENTAL PROBLEMS OF MILITARY IMPORTANCE IN CENTRAL AMERICA, SOUTH AMERICA AND PANAMA.

...CURRENT IMPORTANT PROGRAMS
PREVALENCE AND DISTRIBUTION OF PARASITIC DISEASE IN LATIN AMERICA.
PATHOGENESIS OF PARASITIC INFECTIONS.
BIOCHEMISTRY OF PHLEBOTOMUS FLIES.
EPIDEMIOLOGY AND IMMUNOLOGY OF TROPICAL VIRUSES.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DIRECT AND INDIRECT ISOLATION AND IDENTIFICATION OF PARASITIC ORGANISMS AND THEIR VECTORS IN CENTRAL AND SOUTH AMERICA. LABORATORY SPACE ADEQUATE FOR THE SCIENTIFIC DISCIPLINES OF ENTOMOLOGY, PARASITOLOGY, PATHOLOGY AND VIROLOGY. SPECIAL EQUIPMENT AND FACILITIES TO SUPPORT THESE DISCIPLINES INCLUDE FLUORESCENT MICROSCOPE, AUTO-TECHNIQUE, CRYOSTAT, PHOTOMICROGRAPHY, LABORATORY ANIMAL QUARTERS, TISSUE CULTURE LINES, LIQUID NITROGEN PLANT AND ACCESS TO DATA PROCESSING EQUIPMENT.

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

DA0033

C.O. MG EDWIN L. DOWLEY

DIR. DR. JOHN L. MCDANIEL

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTEE	91.595	125.070
TOTAL PROCUREMENT	7.274	3.904
TOTAL OCM	3.889	4.674
TOTAL OTHER	0.551	0.713
TOTAL ANNUAL LAB	103.309	134.361
TOTAL INHOUSE	44.521	52.716
TOTAL INHOUSE RDTEE	33.465	44.925
ANNUAL OPERATING COST	8.579	9.000

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	40	7	33	7
CIVILIAN	1226	66	747	479
TOTAL	1266	73	780	486

ACRES	SPACE AND PROPERTY			TOTAL	COST (MILLION \$)	
	SPACE (THOUSANDS OF SQUARE FEET)	LAH	ADNIN		REAL PROP	EQUIP
11000	1168.000	262.000	408.000	1838.000	25.278	36.794

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

...CURRENT IMPORTANT PROGRAMS
LASER TECHNOLOGY AND APPLICATIONS AND ADVANCED LASER DEVELOPMENT
TERMINAL HOMING
PRECISION LASER DESIGNATION PROGRAM
FREE FLIGHT ROCKET SYSTEMS
ADVANCEMENT OF MISSILE TECHNOLOGY THRU SIMULATION

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PERFORM FEASIBILITY STUDIES-PROPOSALS FOR FUTURE WEAPONS SYST, OPER ARMY INERTIAL GUIDANCE PRIP CTRS-PROVIDE SIMULATION SPT THRU ADV FAC FOR EXPL MATURY, ENGR DEV PROGS, LEAD AMC LAB FOR GCC/TERM LASER TECH FACIL--ADVAN. SIM FAC W/ADP & 3 SIMULATORS (INFRARED, ELECTRO-OPTICAL, LASER DESIGNATOR LAB, ANALYTIC CHAMBER, GILMORE UNIV TESTER, THERMAL ANALYZER, CLEAN RM FAC, PROTOTYPE FABRICATION FAC, III AVG PHR ELEC LASER (HAPPEL), CHEM LASER FAC, X-RAY DIFFRACTOMETER AND SPECTROGRAPH, STATIC TEST FAC, PLASMA JET FAC, FLIGHT AND TRACK TEST FAC, ENVIRONMENTAL TEST LAB, ELECTROMAGNETIC EFFECTS TEST FAC, LASER TEST FAC, HEAT TREATING FAC FOR MATERIALS TESTING, AIRBORNE SENSOR MEASUREMENT PLATFORM, PROPELLANT EVALUATION & ANALYSIS FAC, POLYMER SYNTHESIS APPARATUS, ULTRAHIGH VACUUM METALLOGRAPH, RADIATION IMAGING MISSILE TEST BED FACILITY, FLUIDIC DESIGN FACILITY.

INSTALLATION MOBILITY EQUIPMENT R&D CENTER

FT. BELVOIR, VA.

DA0014

C.O. COL TENNO R. HUKALA

ATG. TECH. DIR. MR. T. G. KIRKLAND

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDT&E	49.710	52.405
TOTAL PROCUREMENT	42.822	37.400
TOTAL DCM	16.528	7.626
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	109.060	97.431
TOTAL INHOUSE	26.042	27.326
TOTAL INHOUSE RDT&E	19.000	20.772
ANNUAL OPERATING COST	6.347	6.974

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	71	4	79	8
CIVILIAN	1494	22	501	993
TOTAL	1565	26	580	1001

ACRFS	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)	
	LAB	ADMIN	OTHER	TOTAL REAL PRCP	EQUIP
1060	666.922	132.572	193.600	993.094	19.134

...MISSION
BASIC AND APPLIED RESEARCH, ADVANCED AND ENGINEERING DEVELOPMENT, PRODUCT
AND PRODUCTION ENGINEERING, STANDARDIZATION OF MATERIEL, METHODS AND
TECHNIQUE, PROCUREMENT OF RESEARCH, DEVELOPMENT AND ENGINEERING SERVICES
EQUIPMENT AND SUPPLIES, MATERIEL TEST AND EVALUATION, AIR POLLUTION CONT.

...CURRENT IMPORTANT PROGRAMS
ELECTRIC POWER GENERATION
MINE DETECTION/NEUTRALIZATION
CAMOUFLAGE
BARRIERS
FUELS, OILS, COATINGS AND CHEMICALS AND FUEL HANDLING EQUIPMENT

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DECS AND LABS WITH SUPPORT DATA PROCESSING AND INSTRUMENTATION SVCS
SHIPS, TEST COURSES AND TEST LANES, EQUIP AND CAPABILITIES INCL SEISMIC
SIMULATOR, MAGNETIC, OPTICS AND INFRARED CHAMBERS, RADIATION, MECHANICAL,
CIRCUIT AND SOIL LABS, ELECTRONIC LABS AND ANECHOIC CHAMBERS, SHORT PULSE
NEODYMIUM GLASS LASER, SEVERAL TYPES OF SPECTROPHOTOMETERS AND EPISODIC
METEORIMAGING RADIOMETER, TRANSMISSION METER, REFLECTOMETER, STEREOSCOPE,
VEHICLE AUTOMATIC CLASS AND IDENT SIMULATION, DATA COLLECTION, VANGRADE
FREQUENCY ANECHOIC CHAMBER, LINE TEST FACILITY, LINE SENSOR TEST FACILITY
GUN/PISTOL TEST FACILITY, BATTERY TEST FACILITY, SURFACE CHEM RESEARCH FACILITY, SUPERCONDUCT
THIN FILM FACILITY, HIGH FIELD TEST FACILITY, COMBUSTION LAB, PAINT FORMULATION FAC
SIMULATED SVC PRAXE TEST UNIT, CLIMATE TEST CHAMBER, MAIL IMPACT TEST
FACE, SPHERICAL BLAST CHAMBER, SHOCK TUBE SIMULATING BLAST EFFECTS

INSTALLATION NANTICK LABORATORIES

NANTICK, MASS.

DA0029

C.O. COL HARRY CORKILL

TECH. DIR. DR. DALE H. SIELING

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTEE	22.036	16.444
TOTAL PROCUREMENT	1.283	0.350
TOTAL OCM	9.757	8.332
TOTAL OTHER	1.456	1.600
TOTAL ANNUAL LAB	35.532	26.726
TOTAL INHOUSE	26.072	25.297
TOTAL INHOUSE ROTEE	15.632	15.561
ANNUAL OPERATING COST	6.004	5.129

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PHOS	PROF		
MILITARY	126	17	54	72	
CIVILIAN	1103	92	456	727	
TOTAL	1309	109	510	799	

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
3054	525.000	65.900	274.600	865.500	39.024	13.655

...MISSION
ACCOM ASG R-D IN THE PHYS AND BIOL SCI AND ENG TO MEET MIL RQR IN THE COMMUNITY AREAS OF TEX CL3 BODY ARMOR ORG MATLS INSECT AND FUNG SURS CNTRS FOOD SVC EQUIP FLD SPT EQUIP TENT AND EQUIP AND AIR DEL EQUIP. IN DESIG CMUTY AREAS PRIV TECH AND ENG SPT IN CONNEG W/ACCOM OF AE AND STD.

...CURRENT IMPERTANT PROGRAMS
POLLUTION ABATEMENT STUDIES
ANAL MIL FOOD SVC SYS TO EST MODERN METH OF DETERMINING DAILY FOOD ALLOW
PERSONNEL ARMOR PROGRAM
FLEXIBLE PACKAGING SYSTEM FOR HEAT PROCESSED FOODS
WHOLESALENESS OF RADAPPERTIZED BEEF

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONALT 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 TECHNIQ
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 PROC
DRIP TEST FAC CONS OF 40 TON CAPACITY TRACKED CRANE AND A 50 FT BOOM
DYING AND FINISHING LAB FOR CONDUCTING STUDIES OF TEXTILES
FEBETRON 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.

DA0066

ATG. DIR. MR. DONALD J. LUFT

ATG. DEP. DIR. MR. JOHN JOHNSON

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTCF	38.199	36.000
TOTAL PROCUREMENT	0.000	0.000
TOTAL CGM	0.000	0.000
TOTAL OFFER	0.000	0.000
TOTAL ANNUAL LAB	38.199	36.000
TOTAL INHOUSE	16.007	16.000
TOTAL INHOUSE RDTCF	16.007	16.000
ANNUAL OPERATING COST	1.567	1.600

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	51	0	28	23
CIVILIAN	395	30	195	201
TOTAL	447	30	223	224

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
15	73.261	3.521	67.205	143.987	43.961	37.402

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

...CURRENT IMPORTANT PROGRAMS
THERMAL VIEWER FOR UNIVERSAL APPLICATIONS
COMMON TOW/DRAWN NIGHT SIGHT
TURRET INTEGRATED NIGHT THERMAL SIGHT
SECOND GENERATION IMAGE INTENSIFIER SYSTEMS
IMAGE INTENSIFIER TECHNOLOGY

...FUNCTIONS/EQUIPMENT/CAPABILITIES
NVL HAS THE FOLLOWING FACILITIES LISTED IN AMCP 7C-1. PHOTOEMISSION RSCH,
ELECTRO OPTICAL IMAGE TUBE, SOLID STATE IMAGE INTENSIFICATION, VISIONICS
RSCH, SURFACE RSCH, DETECTOR FABR, SPECTROPHOTOMETRIC, LIQUID CRYSTAL RSCH,
OPTICAL THIN FILM RSCH, DIRECT VIEW SYS DEV, MODULATION TRF FUNCTION
TEST, REMOTE VIEW SYS DEV, FIR SYS DEV, LASER RSCH, PLASMA ARC LAMP
RSCH, PHOTOMETRIC AND ELECTRONIC TEST, TUBE EVAL, DDD IMAGE EVAL, NIGHT
VISION EQUIP FIELD TEST, EQUIP TEST RANGE COMPLEX, ELECTRON OPTICS, MI-
CROCHANNEL RSCH DEV, IMAGE INTENS RD TUBE, IMAGE INTENS PWR SUPPLY,
OPTICAL ANALYSIS, LOW LIGHT LEVEL OPTICAL EVAL, MICROENSTOMETER (SUDENSI-
TRACER), OPTICAL TRF FUNCTION, SEMICONDUCTOR LASER RSCH, SEMICONDUCTOR
LASER D.V., LOW LIGHT LEVEL TV TEST, HIGH VOLTAGE GATING MICROELECTRONICS
FABRICATION.

INSTALLATION PICATINNY ARSENAL LABORATORIES

DOVER, N.J.

DA0036

C.G. COL J.L. HOLPAN, JR.

TECH. DIR. MR. H.W. PAINTER

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTEE	80.300	80.300
TOTAL PROCUREMENT	21.700	6.300
TOTAL CCM	8.400	8.300
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	110.400	94.900
TOTAL INHOUSE	59.400	59.800
TOTAL INHOUSE ROTEE	42.300	48.600
ANNUAL OPERATING COST	6.200	6.400

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	71	0	53	18
CIVILIAN	2403	60	1075	1328
TOTAL	2474	60	1128	1346

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
5880	603.950	674.945	2568.855	3846.950	74.247	54.240

...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, PROJIS, FUZES,
EXPLOS, PYRO, PROP, MATS, PHYS AND ENGRG SCIENCE, DIGITAL ANALOG COMPUTING,
PROCS ALL NUC AND ASG CONVL MUNS, OPS ARMY EDDC, DOD PLASTEC CENTER.

...CURRENT IMPORTANT PROGRAMS
EXPLOSIVES AND PYROTECHNICS RESEARCH
GUN PROPELLANT RESEARCH
SHORT RANGE MAN PORTABLE ASSAULT WEAPON TECHNOLOGY
57MM HITVAL PROGRAM
FLUIDIC SAFING AND ARMING SYSTEM FOR SURFACE TO SURFACE MISSILE APPL

...FUNCTIONS/EQUIPMENT/CAPABILITIES
NUC WPNS, PROTOTYPE FAB AND ASSY, AND EXPLOS AND PROP PLT PLANTS PROV
COMPL INTRGD FAC FOR ASSY, INSP AND TEST OF AK AND CONVL MUNS AND COMPS
AND THE MFG AND PROCG OF X EXPLOS AND PROP COMP, THE EXPLOS, PYRO,
PROP, MATS AND QA LABS HAVE UNUSUAL EQUIP FOR RSCH, RELIABILITY AND QA
SUCH AS BETATRON, DYNAMITRON, 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, OUD RECOVERY AND DISASSEMBLY, 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 RED TECHNICAL SUPPORT ACTIVITY

FT. MCNMOUTH, N.J.

DA0063

DIR. MR. EDWARD J. FISTER

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	9.882	10.035
TOTAL PROCUREMENT	0.758	0.864
TOTAL CGM	0.030	0.130
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	10.670	11.029
TOTAL INHOUSE	10.385	11.017
TOTAL INHOUSE ROTGE	9.652	10.023
ANNUAL OPERATING COST	3.993	4.307

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	1	0	0	1
CIVILIAN	660	0	109	551
TOTAL	661	0	109	552

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
136	50.970	8.640	227.830	286.950	8.400	7.500

...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
MATHEMATICAL COMPUTATIONS AND STATISTICS
EQUIPMENT DESIGN AND DRAFTING
SPECIFICATION ENGINEERING
AIRCRAFT VIBRATION MEASUREMENTS
COMPUTER AIDED DESIGN FABRICATION
MODEL SHIP FABRICATION - ALL CRAFTS
METEOROLOGY
TEST AND MEASURING EQUIPMENT - OPERATION AND REPAIRS

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

0A0002

C.O. COL R.A. ROTH

TECH. DIR. DR. J.E. WILANER

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (FACT + EST)
TOTAL RDCE	5.742	13.777
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.000	0.000
TOTAL ANNUAL LAB	5.742	13.777
TOTAL INHOUSE	2.805	5.402
TOTAL INHOUSE RDCE	2.805	5.402
ANNUAL OPERATING COST	0.707	0.650

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	28	2	23	5
CIVILIAN	144	48	88	56
TOTAL	172	50	111	61

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL PRCP	EQUIP
0	29.929	4.318	9.248	43.455	0.042	1.367

...MISSION
RSCH AND DEV PRGMS IN BEH AND SOC SCI FOR DEPT ARMY IN IND TNG AND PERF AND IN DRG SYS. PRGMS INCL RSCH TO IMPRV TNG AND TO INCR CAP OF SCI TO RSOLVE PMS-INTPERS PROBS, TO IMPRV DISTR MPMR, ENHANCE EFF OF GRPS IN CMD-CTRL, IMPRV PERF OF GRPS IN MIL SYS THRU DRG DEV, IMPRV UNIT LDRSHIP

...CURRENT IMPORTANT PROGRAMS
RSCH IN SEL BRANCH OFF BASIC CRSES TO ASSESS TRAIN AND DEV LDRSHIP BEHAV DETERMINE METHODS TO IMPRV TNG OF ACTIVE ARMY AND RES CCPP UNITS LONGITUDINAL RSCH ON ADJ OF RECRUITS TO ARMY IN BASIC TNG AND ADV TNG DEV WORK METH AND PROC TO ACCOMPLISH MAP-OF-EARTH HELICOPTER FLIGHT DETERMINE HUM INFO PRNC PRINCIPLES THAT IMPACT ON DESIGN MIL INFC SYS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
THREE CONUS FIELD UNITS, ONE IN USAREM AND ONE IN KOREA SUPPORT THE IN HOUSE RSCH PRG IN HUM PERF EXP, MANNED SYS, LDRSHIP PERF, UNIT TNG AND SOC PRGC. A NEW CENTRAL LABORATORY COMPUTER FACILITY PERMITS CENTRAL MONITORING OF FIELD RESPONSES BY OFFICERS IN CAREER COUNSELING RSCH. TWO FIELD UNITS PROVIDE HUM PERF EXP SUPPORT TO MASTER PRGC AND TO TACT NT VISION PRGC. RSCH HTL TEAM ASSESSES OPERATIONAL UTILIZATION OF RSCH PRODUCTS AND PROVIDES GUIDANCE FOR NEW RSCH DIRECTION

INSTALLATION RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE NATICK, MASS.

DA0015

C.O. COL IERROY G. JONES

TECH. DIR. DR. DAVID E. HASS

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	2.948	3.224
TOTAL PROCUREMENT	0.000	0.000
TOTAL CGM	0.000	0.000
TOTAL OTHER	0.768	0.893
TOTAL ANNUAL LAB	3.716	4.117
TOTAL INHOUSE	3.716	4.117
TOTAL INHOUSE RDCE	2.948	3.224
ANNUAL OPERATING COST	1.070	1.190

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED STRENGTH	TOTAL PMOS	TOTAL PROF	NON- PROF
MILITARY	84	17	59	25
CIVILIAN	102	19	46	56
TOTAL	186	36	105	81

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
4	60.421	18.563	28.647	107.631	3.663	1.800

...MISSION
TO CONDUCT BASIC AND APPLIED RESEARCH TO DETERMINE HOW HEAT, COLD, HIGH TERRESTRIAL ELEVATION AND WORK AFFECT THE SOLDIER'S LIFE PROCESSES, PERFORMANCE AND HEALTH, AND TO REPORT AND ADVISE THE ARMY AND THE SCIENTIFIC COMMUNITY.

...CURRENT IMPORTANT PROGRAMS
PREVENTION & TREATMENT OF DISABILITIES DUE TO MILITARY OP IN EXTREME ENVIRONMENTS. PREDICTION OF LIMITS OF MIL PERFORMANCE AS FUNCTION OF ENVIRONMENT, CLOTHING AND EQUIPMENT. MED PROBLEMS IN MIL ARCTIC OP. BIOLOGICAL PROCESSES THAT LIMIT HEAVY PHYSICAL WORK. EVALUATION OF ARMY PHYSICAL FITNESS TRAINING PROGRAM.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONDUCT RESEARCH AND PROVIDE GUIDANCE TO DESIGNERS, ENGINEERS, TACTICIANS, PLANNERS AND PHYSICIANS ON MIL PERFORMANCE AND CASUALTY PREVENTION AND TREATMENT IN EXTREME CLIMATES AND ENGINEERED ENVIRONMENT. ADVISE ON HEALTH AND SAFETY IN MANEUVERS DURING HEAT, COLD OR HYPOXIC STRESS. TREAT COLD CASUALTIES AT BASSETT ARMY HOSPITAL, ALASKA. IN HUMAN AND ANIMAL RESEARCH, USE APPROX 50 VOLUNTEER TEST SUBJECTS AND EXTENSIVE ANIMAL CARE FACILITIES, ELECTRON MICROSCOPE, UNDERWATER RESEARCH PCOL, COPPER MANIKINS, AND DIVERSE EQUIPMENT FOR BIOCHEMICAL, MEDICAL, PHYSIOLOGICAL, PHARMACOLOGICAL, AND PSYCHOLOGICAL MEASUREMENT.

INSTALLATION ROCK ISLAND ARSENAL LABORATORIES

ROCK ISLAND, IL.

DA0039

C.O. COL T.F. ANGOR, JP.

TECH. DIR. DR. ROYCE E DECKETT

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDT&E	14.720	12.817
TOTAL PROCUREMENT	0.652	0.582
TOTAL O&M	5.451	4.908
TOTAL OTHER	0.210	0.248
TOTAL ANNUAL LAB	21.041	18.655
TOTAL INHOUSE	15.232	12.450
TOTAL INHOUSE RDT&E	9.844	7.335
ANNUAL OPERATING COST	6.475	5.447

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PMS		
MILITARY	16	4	15	1
CIVILIAN	764	18	251	513
TOTAL	780	22	266	514

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
18	114.617	179.998	206.679	501.294	3.940	10.721

...MISSION
ACFT XPN SYS, ARTY & INF WPNS, CREW SERVED WPNS MTD ON ANY TYP VEH, & INF
& CONVL ARTY LANH DVC FOR BOTH CONVL SIM & H CAP BST RKT ARTY SHL, EXCL
FREE RKT, G, BAL MSL, TGT MSL & RELATED LANH & GSE, CLIPS LK & MAG FLR FOR
CONVL AMMO, TK, SP ARTY & ASGD SPV, CUPOLA, RCL & MT, ELEV & TRAV MECH.

...CURRENT IMPORTANT PROGRAMS
GUN LOW ALTITUDE AIR DEFENSE PROTOTYPE-GLAADS
LARGE CALIBER SOFT RECOIL SYSTEM -MM204
SQUAD AUTOMATIC WEAPON
ADVANCED MEDIUM CALIBER WEAPON 30MM
HEAVY RIFLE PROJECTILES FOR DIRECT FIRE SYSTEMS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FAC CAPABILITIES-RNG FAC PERMIT FIRING ARTY XPN OF 105MM SIZE OR SMALLER
USING INRT PJCTL AT 0 DEGREES EL INTO PRF BUTT AT 100 YDS DIST, WFN FIR
AT 45 USING DISINTEGRATING PJCTL LOADED W/WEY SAND, RNG BLOC HSG INDOOR
RNG, 2 ARE 100 MIR, 1 CLIMATIC CIMRR RNG 1000 IN W/CONT HMD TEMP CF -90/
PLUS 200 DEGREE F, 1 1000 IN XPN MT SIM RNG. ANY SA WPN THRU 40MM CAN
BE FIRED, LATTER RNG 25 W, 20 H PERMITS FIRING FROM TR OR HLCPTR, ACCESS TO
IDM 360/65 COMPUTATION CENTER, PROTOTYPE SHOP IN SUPPORT OF RDT&E.
MAJOR EQUIP- ILLUSTRUMAT 1200, CMPTR GRPHS, MT INSTN SYS, VAR FLEXIBILITY
GUN MT, PROTOTYPE HIGH-SPEED SCNG IR RADIOMETER SYS, HOLOGRAPHIC SYS,
VAR ANGLE INLCPTR MT, ALPHA LUBT TESTER MODEL LF63, MOTION TABLE FOR SPALL
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.

DA0041

C.O. MG J.E. PIEKLIK

DIR. ROGE LTC R.E. PHELIPP

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	34.066	20.148
TOTAL PROCUREMENT	18.722	15.900
TOTAL OCM	5.539	10.443
TOTAL OTHER	0.252	0.252
TOTAL ANNUAL LAB	58.979	47.143
TOTAL INHOUSE	26.409	26.342
TOTAL INHOUSE ROTCE	14.903	10.979
ANNUAL OPERATING COST	5.588	4.095

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	35	1	22	13
CIVILIAN	922	7	443	479
TOTAL	957	8	465	492

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
1125	473.000	0.000	0.000	473.000	20.570	10.644

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

...CURRENT IMPORTANT PROGRAMS
AUTOMATIC TEST EQPT FOR INTERNAL COMBUSTION ENGINE POWERED MATERIAL
MID-RANGE AND LONG RANGE CONCEPT STUDIES ON FUTURE TRANSPORT VEHICLES
MID-RANGE AND LONG RANGE CONCEPT STUDIES ON FUTURE TACTICAL VEHICLES
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
POLLUTION ABATEMENT
VEHICLE SIGNATURE PROGRAM
VEHICULAR NOISE REDUCTION PROGRAM
SIX DEGREE OF FREEDOM SIMULATOR
METAL ANAL WET. 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-2.

DA0045

C.O. COL ARNOLD M. SARGENT

TECH. DIR. MR. FRANK S. PENDELZ

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	2.425	2.454
TOTAL PROCUREMENT	0.028	0.029
TOTAL IGM	0.001	0.004
TOTAL OTHER	1.300	1.302
TOTAL ANNUAL LAB	3.954	3.789
TOTAL INHOUSE	3.954	3.789
TOTAL INHOUSE ROTGE	2.425	2.454
ANNUAL OPERATING COST	0.508	0.508

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	95	0	30	65
CIVILIAN	78	5	10	68
TOTAL	173	5	40	133

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)	
	LAB	ADMIN	OTHER	TOTAL REAL PROP	EQUIP
18870	12.455	58.244	157.265	227.964	1.128
					4.076

...MISSION
PLAN AND CONDUCT ENVIRONMENTAL PHASES OF DEVELOPMENT-TYPE TESTING
(ENGINEERING)(SERVICE), CHECK AND CONFIRMATION TESTS.

...CURRENT IMPORTANT PROGRAMS
IN-HOUSE LABORATORY INDEPENDENT RESEARCH (ILIR).
RELIABILITY AND MAINTAINABILITY OF MATERIEL IN THE TROPICS.
RADIO FREQUENCY COMMUNICATIONS TEST PROCEDURES.
MOBILITY IN NATURAL ENVIRONMENT.
EXPOSURE/PERFORMANCE TESTS OF SELECTED MATERIEL ITEMS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
EVALUATE AND RECOMMEND AS TO TEST ITEM SUITABILITY FOR PRESCRIBED USE.
RECOMMEND TO HQ, TECOM, RESEARCH PROJECTS IN SUPPORT OF ARMY ROTGE.
PLAN AND SUPPORT ROTGE ACTIVITIES FOR DOD OR OTHER GOVERNMENT AGENCIES.
NATURAL TROPICAL ENVIRONMENT. FIRING RANGES UP TO 105MM CALIBER.
NATURAL TERRAIN MOBILITY COURSES. AMMO TEST STORAGE AND FUNCTIONING
AREAS. CHEMICAL, BIOLOGICAL, ELECTRONICS, SOILS, HUMAN FACTORS, AND
CALIBRATION LABORATORIES. JUNGLE GRASS AND COSTAL MATERIEL EXPOSURE
SITES. JUNGLE RADIO RANGING SITES. MAN-PACK PORTABILITY COURSE.
CALIBRATED SEISMIC DETECTION AND CHEMICAL TEST GRIDS. PHOTOGRAPHIC
SUPPORT FACILITY. TECHNICAL OPERATIONS SUPPORT FACILITY. POL TANK
FARM.

INSTALLATION WALTER REED ARMY INSTITUTE OF RESEARCH

WASHINGTON, D.C.

DA0016

C.O. (DR EDWARD L. BUESCHER

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 ACTUAL	1974 (ACT + EST)
TOTAL ROTCE	15.192	14.253
TOTAL PROCUREMENT	0.000	0.000
TOTAL OCM	0.198	0.020
TOTAL OTHER	4.742	5.891
TOTAL ANNUAL LAB	20.132	20.164
TOTAL INHOUSE	20.132	20.164
TOTAL INHOUSE ROTCE	15.192	14.253
ANNUAL OPERATING COST	3.420	3.380

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED STRENGTH	TOTAL PHOS	TOTAL PROF	NON- PROF
MILITARY	479	154	320	150
CIVILIAN	577	73	162	415
TOTAL	1056	227	491	565

ACRIS	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
1973	349.300	59.159	0.000	448.450	0.000	14.901

MISSION
PERF MED REG AND CONTACTS GRAD EDUC IN FLD OF MED, VET MED & ALLIED MED
SCI. SERVES AS CONSULTING & DIAGNOSTIC REF LAB FOR ARMY. PREV AD SVC ON
PROB OF EPIDEMIOLOGY IN MIL MED & ALLIED FLD. PROV TECH QUALITY CONTROL
OF BIAL PROD DEVL. PRODUCES & DISTR BIAL PROD NOT AVAIL COML SOURCES.

...CURRENT IMPORTANT PROGRAMS
DISCOVER EFFECTIVE PREV & TREAT AGENTS FOR CONTROL OF DRUG REFRACTORY
MALARIA. DEVELOP MODES FOR CONTROL OF MENINGOCOCCAL & OTHER RESPIRATORY
DISEASES OF RECRUITS. DEFINE ECOLOG OF DRUG ABUSE IN SOLDIERS. MELEC-
INAD PHARMACOLOGY STUDIES OF CHEMOTX. HAPFUTIC DRUGS. TO DEVELOP
IMPROVED SURGICAL MANAGEMENT OF SEVERELY INJURED COMBAT CASUALTIES.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
RESEARCH, TEACHING, AND REFERENCE LAB SVC SUMMARIZE MAJOR FUNCTIONS
IN AREAS OF PREVENTIVE MEDICINE, INFECTIOUS DISEASES, SURGERY, AFURO-
PSYCHIATRY RELATED DISEASE, INTERNAL MEDICINE, CHEMISTRY, AND
BASIC MEDICAL SCIENCES. HIGHLY SOPHISTICATED MEDICAL EQUIPMENT IN ALL
AREAS OF INVESTIGATION. ELECTRON MICROSCOPES, AUTOMATED MEDICAL
ANALYSIS SYSTEMS, CHEMICAL TYPEWRITERS, BEHAVIORAL RESEARCH INSTRU-
MENTATION. WRAIR MAINTAINS LABORATORY AND RESEARCH FACILITIES AT FT
MEADE, MD, EDGEMOOD ARSENAL, MD, SEATO HQ, BANGKOK, THAILAND, AND BRAZIL,
SOUTH AMERICA. WRAIR IS CAPABLE OF CONDUCTING RESEARCH IN A VAST
NUMBER OF AREAS.

INSTALLATION WHITE SANDS MISSILE RANGE

WHITE SANDS MP, N.M.

040041

C.O. MG ARTHUR H. SHEENEY, JR.

TECH. DIR. DR. RICHARD H. DUNCAN

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL NOTEE	92.454	94.214
TOTAL PROCUREMENT	3.876	3.825
TOTAL DEM	2.712	1.693
TOTAL OTHER	11.862	11.917
TOTAL ANNUAL LAB	111.106	111.539
TOTAL INHOUSE	92.001	85.746
TOTAL INHOUSE NOTEE	73.759	68.641
ANNUAL OPERATING COST	28.610	27.192

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PRIME	NON- PRIME
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	1077	5	1109	31
CIVILIAN	3895	4	441	2954
TOTAL	4472	11	1549	2985

ACRES	SPACE AND PROPERTY			COST (MILLION \$)
	SPACE (THOUSANDS OF SQUARE FEET)	ADMIN	OTHER	
5659309	1416.558	444.518	2064.244	4725.360
				168.167
				144.620

...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
TRANSDUCER DEVELOPMENT
LASER RANGING AND TRACKING SYSTEM
CURRENT BEACON CHECKOUT SYSTEM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
GRINDING AND FLIGHT SAFETY. OBTAINING FLIGHT TRAJECTORY AND EVENT DATA.
RECOVERING MISSILES ON 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
METEOROLOGICAL EFFECTS, MICROBIOLOGICAL EFFECTS, CLIMATIC ENVIRONMENTAL
EFFECTS. TEST AND EVALUATE WARHEADS AND SPECIAL WEAPONS. WEAPONS SIMULA-
TION. NUCLEAR EFFECTS TESTING. COUNTER-COUNTER MEASURES TESTING. ELEC-
TRONIC AND OPTICAL TRACKING SENSORS AND DATA TRANSMISSION REQUIRED TO
PROVIDE TEST DATA ON MISSILES AND RELATED PROGRAMS.

INSTALLATION YUMA PROVING GROUND

YUMA, ARIZONA

DA0055

C.O. COL HUGH H. PATTELO

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	10.949	8.767
TOTAL PROCUREMENT	4.943	6.469
TOTAL COM	1.834	1.900
TOTAL OTHER	5.118	10.541
TOTAL ANNUAL LAB	22.844	27.677
TOTAL INHOUSE	20.596	21.205
TOTAL INHOUSE ROTGE	9.836	8.767
ANNUAL OPERATING COST	6.821	7.100

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PROS		
MILITARY	386	7	94	292
CIVILIAN	730	0	75	655
TOTAL	1116	7	169	947

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
870179	0.000	75.907	1184.808	1260.805	31.241	47.900

...MISSION
PLAN, CONDUCT, SPT ET AIR DFL EQUIP, L-PNGE TURE ARTY, ACFT WPNS SVS
PLAN, CONDUCT, RPT DESERT AND ARCTIC ENVIRONMENTAL TESTS
PROVIDE TEST, EVAL ADVICE, GUIDANCE TO MAT DEVELOPMS, PRODUCERS, PRI IND ETC
CONDUCT OTHER TESTS AND EVAL AS DIRECTED BY COM, TECOM

...CURRENT IMPORTANT PROGRAMS
ED SAM-D TRAILERS
ED AG10-1500 GAS TURBINE ENGINE
ET IMPROVED CORRA ARMAMENT SYSTEM
ED XM201 CANNON - BM INITIATOR
IS XM692F1 PROJECTILE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
BALLISTIC MEASUREMENT RANGES
ENGINEERING TEST FACILITIES
VEHICLE FIELD TEST FACILITIES
TEST CRUISES
DESERT TERRAIN TEST AREAS
INSTRUMENTED DROP ZONES
RADIO TELEMETRY
DATA PROCESSING CENTER
RANGE TIMING
OPTICAL PHOTO ENGR FACILITIES
CONTROLLED IMPACT TEST FACILITY
INSTRUMENTATION CALIBRATION FACILITY

INSTALLATION ENVIRONMENTAL PREDICTION RESEARCH FACILITY PUEBLO, CO.
C.IL. CAPT G.D. HAMILTON

N66856

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RTCE	1.395	1.98
TOTAL PROCUREMENT	0.218	1.122
TOTAL OCM	0.005	0.000
TOTAL OJINR	0.249	0.170
TOTAL ANNUAL LAB	1.867	2.310
TOTAL INHOUSE	1.209	1.267
TOTAL INHOUSE RTCE	0.941	1.071
ANNUAL OPERATING COST	0.115	0.140

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED	STRENGTH		
MILITARY	16	1	0	0
CIVILIAN	27	2	17	10
TOTAL	43	3	25	18

ALRES	SPACE AND PROPERTY		COST (MILLION \$)	TOTAL	REAL PROP	EQUIP
	SPACE (THOUSANDS OF SQUARE FEET)	LAB ADMIN OTHER				
0	1,000	5,012	10,440	16,460	0.000	0.395

...MISSION
CONDUCT RESEARCH AND DEVELOPMENT, DIRECTED TOWARDS PROVIDING EFFECTIVE LOCAL AND REGIONAL ENVIRONMENTAL ANALYSIS AND PREDICTION TECHNIQUES AND PROVIDE PLANNING, MODELING AND EVALUATION SERVICES FOR THE NAVAL WEATHER MODIFICATION PROGRAM.

...CURRENT IMPORTANT PROGRAMS
COMPUTER SIMULATION OF FOG/CLLOUD AND PRECIP. MICROPHYSICAL PROCESSES.
IMPROVED TECHNIQUES FOR APPLICATIONS OF ENVIRONMENTAL SATELLITE DATA.
IMPROVED NUMERICAL MODELS OF THE ATMOSPHERE.
IMPROVED METEOROLOGICAL DATA PRESENTATION METHODS.
HYDRODYNAMICAL MODELING OF WATER LEVELS, CURRENTS, ETC.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CDC 3100 COMPUTER AND PERIPHERAL EQUIPMENT.
IBM 1130 COMPUTER AND PERIPHERAL EQUIPMENT.
METEOROLOGICAL/OCEANOGRAPHIC DATA DISPLAY SYSTEM.
IN-HOUSE DOCUMENTATION FACILITIES (MIST, PLATE MAKER, OFFSET PRESS, ETC.).
22,000 VOLUME TECHNICAL LIBRARY OF ENVIRONMENTAL PUBLICATIONS.
IN-HOUSE GRAPHIC ARTS AND DRAFTING FACILITIES.
CALMA DIGITIZER.
CALCOMP 565 PLOTTER

INSTALLATION NAVAL AEROSPACE MEDICAL RESEARCH LABORATORY PENSACOLA, FL.

N66452

C.O. CAPT N.W. ALLERACH

TECH. ADV. DR. A. GRAYBILL

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTC	3.317	4.007
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.433	0.435
TOTAL ANNUAL LAB	3.750	4.442
TOTAL INHOUSE	3.750	4.442
TOTAL INHOUSE RDTC	3.317	4.007
ANNUAL OPERATING COST	0.891	0.776

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	31	12	22	9
CIVILIAN	124	14	47	77
TOTAL	155	26	69	86

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
0	131.787	19.604	8.893	160.284	2.907	2.528

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

...CURRENT IMPORTANT PROGRAMS
PHYSIOLOGICAL EFFECTS OF IONIZING RADIATION
HUMAN DYNAMIC RESPONSE TO IMPACT ACCELERATION
PREVENTION OF DISORIENTATION AND VESTIBULAR DISTURBANCES IN FLIGHT
AVIATION PERSONNEL PROCUREMENT AND SELECTION
IMPROVING FLEET EFFECTIVENESS OF PILOTS AND FLIGHT OFFICERS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
IONIZING RADIATION FACILITY WITH MICROWAVE AND EXTREMELY LOW FREQUEN-
CY, IMPACT ACCELERATION FACILITY WITH 225000 POUND THRUST HORIZONTAL
ACCELERATOR AND 40000 POUND THRUST VERTICAL ACCELERATOR, EQUIPPED FOR
HUMAN AND ANIMAL EXPERIMENTS IN UNUSUAL FORCE ACCELERATION, ELECTROMAGNETIC
AND ATMOSPHERIC ENVIRONMENTS, DEVELOP TESTS FOR PSYCHOLOGICAL ABILITIES
AND TOLERANCE TO STRESS, SLOW ROTATION ROOM HUMAN DISORIENTATION DEVICE,
CORIOLIS ACCELERATION PLATFORM, SHIP MOTION SIMULATOR, STILLE-WERNER CHAIR
OFF VERTICAL ROTATING CHAIR, CANACINIC CHAMBER, SUPER CONDUCTING MAGNETIC
ELECTRON MICROSCOPE, ELECTRIC POSTURE TABLE, VERTICAL OSCILLATION PERIODIC
ANGULAR ROTATION, REVERBERANT CHAMBER, OPTOKINETIC STIMULATOR, LOW PRESSURE
CHAMBER, VIVARIUM WITH OPERATING SUITE, ULTRACENTRIFUGE, VECTOR CARDIOGRAPHIC
HALL, STENOGRAPHIC X-RAY.

INSTALLATION NAVAL AEROSPACE RECOVERY FACILITY

EL CENTRO, CA.

N63062

C.O. CAPT CLARENCE E. RICH

TECH. DIR. MR. HOWARD C. FISH

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL HDGE	2.404	2.452
TOTAL PROCUREMENT	1.677	1.698
TOTAL OCM	0.351	0.347
TOTAL OTHER	2.092	1.769
TOTAL ANNUAL LAB	6.564	6.266
TOTAL INHOUSE	5.033	5.333
TOTAL INHOUSE HDGE	2.415	2.354
ANNUAL OPERATING COST	1.211	1.473

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			TOTAL	NON- PROF
	AUTHORIZED STRENGTH	TOTAL POS	PROF		
MILITARY	166	1	11	155	
CIVILIAN	119	0	25	94	
TOTAL	285	1	36	249	

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL PROP	EQUIP
101290	44.000	10.000	263.000	317.000	8.598	4.750

...MISSION
CONDUCT RYDE OF PARACHUTES AND RELATED ASSY HUMAN ESCAPE METHODS AND
SYS RETARD AND RECOV SYS AND RESCUE SURVIVAL AND PERSONNEL SAFETY EQUIP
STABILIZATION RETARD AND RECOV SYS FOR LAY-DOWN WEAPONS AIRCRAFT MISSILE
AND CAPSULE ASSY AND SPECIAL LOGISTIC AERIAL DELIV METHODS TECH EQUIP

...CURRENT IMPORTANT PROGRAMS
LEAD LAB ON SEU-3A ESCAPE SYSTEM DTCE FOR ALBA HARRIER AIRCRAFT
DEVELOP CONCEPT OF HELD ESCAPE SYS FOR COBRA AND OTHER COMBAT HELIS
PROJECT MANSAFE AUTOMATIC PARACHUTE FLUTATION SURVIVAL SYS DEVELOPMENT
QUICK RESPONSE FLEET SUPPORT ENGINEERING
PARACHUTE MATERIALS AND APPLICATIONS NOTE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DROP TEST RANGE LAND AND SALT WATER INST WITH SPACE POSITION, LONG RANGE
PHOTO, CCTV, TELEMETRY, DATA PROC, RAWIN, WHEEL AND DROP TEST TOWERS. RANGE
PARAMETERS SEA LEVEL TO 80000 FT SPEED 0-MACH 3. ENGINEERING SERVICES
EXPL DEV, ADV AND BASIC DESIGN, INSERV AND TEST ENGR, MATL LAB WITH TEX-
TILE MATL TEST AND ENVIRONMENTAL ACCEL EQUIP, TENSILE TEST TO 120000 LB
AND PHYSIOLOGICAL EVAL EQUIP. PHOTO LAB WITH STILL AND MOTION PICTURE 16
MM TO 70MM COLOR UP TO 5000FPS, A/C SUP. TRASPOT DELIVERY, LOW TO HIGH
SPEED VEHICLE DELIVERY, AIR-TO-AIR PHOTO, EJECTION SEAT TEST BED, PER-
SONNEL DELIVERY AND SIMULATED WEAPON DELIVERY, INDUSTRIAL SHIP-TEST
VEHICLE AND PROTOTYPE PARACHUTE AND ASSOCIATED HARDWARE FABRICATION.

JOHNSVILLE, PA.

N62269

TECH. DIR. MR. G.L. HOLLINGSWORTH

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	87.536	92.237
TOTAL PROCUREMENT	31.558	33.500
TOTAL OEM	7.357	9.577
TOTAL OTHER	10.116	8.905
TOTAL ANNUAL LAB	136.607	144.219
TOTAL INHOUSE	36.519	60.051
TOTAL INHOUSE ROTGE	42.426	43.528
ANNUAL OPERATING COST	10.255	12.204

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			NON-PROF
	AUTHORIZED STRENGTH	TOTAL PIDS	TOTAL PROF	
MILITARY	387	4	84	303
CIVILIAN	2187	27	993	1194
TOTAL	2574	31	1077	1497

ACRES	SPACE AND PROPERTY			COST (MILLION \$)			
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
831	984.000	56.000	413.600	1353.000	24.301	37.020	

...MISSION
TO BE THE PRINCIPAL NAVY ROTEE CENTER FOR NAVAL AIRCRAFT SYSTEMS

...CURRENT IMPORTANT PROGRAMS
SHIP AIR SYSTEMS INTEGRATION (SASI)
LIGHT ALUMINUM MULTI-PURPOSE SYSTEMS (LAMPS)
ADVANCED ACOUSTIC SENSORS
P-3C AIRCRAFT WEAPON SYSTEM
AIRCREW LIFE SUPPORT SYSTEMS, PROTECTIVE CLOTHING AND DEVICES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DESIGN, DESIGN, DEVELOP, TEST, LAN AND FLIGHT EVAL, LONG-RANGE AIR WARFARE
STUDIES, THEORETICAL ANAL, ENGINE ANAL AND FEAS PROTOTYPE DEVELOP OF SYS
IN AIR WAR, ATTACK CARRIER WARFARE AND OCEAN SURVEILLANCE ENGINE ANAL ON
AIR SYSTEM COMP AND AREAS OF TECHNOLOGY IN AIR WAR SYSTEMS COMMUNICA
TIONS, NAVIG, DIGITAL COMPUTATION, COUNTERMEAS, AEW, FC, AEROSPACE MED,
BIOPHYSICAL EFFECTS OF ACCELERATION, HUMAN FACTORS, AIRCRAFT PERSONAL
AND SAFETY EQUIP, MATERIALS AND PROCESSES USED IN A/C AIRFRAME STRUCTURE
AND SUPPORT TO OTHER ACTIVITIES AS DIRECTED

INSTALLATION NAVAL AIR ENGINEERING CENTER

PHILADELPHIA, PA.

N00156

C.O. CAPT L.F. LECHEMER

TECH. DIR. MR. J.M. DUNFORD

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTE	9.793	7.950
TOTAL PROCUREMENT	48.917	39.500
TOTAL CGM	21.860	21.900
TOTAL OTHER	4.516	1.574
TOTAL ANNUAL LAB	85.086	73.324
TOTAL INHOUSE	60.057	47.959
TOTAL INHOUSE RDTE	6.859	4.719
ANNUAL OPERATING COST	9.288	9.562

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	36	0	13	23
CIVILIAN	2189	5	404	1784
TOTAL	2224	5	417	1807

ACRLS	SPACE AND PROPERTY			COST (MILLION \$)	
	SPACE (THOUSANDS OF SQUARE FEET)	TOTAL	PHYS	TOTAL REAL PRCP	EQUIP
500	872.778	94.161	1270.517	2237.456	33.546
					20.902

...MISSION
CONDUCT A PROG. OF RDTE, SYS. INTEGRATION, LIMITED PROD'n, PROCUREMENT & FLTT ENGINEERING SUPP. IN LAUNCHING, RECOVERY & LANDING AIDS FOR A/Cs IN NAVAL INTELLIGENCE PROCESSING SYSTEMS & IN GROUND SUPPORT EQUIP. FOR A/C, AIRBORNE WEAPONS SYS. & NAVAL INTELLIGENCE PROCESSING SYS.

...CURRENT IMPORTANT PROGRAMS
LAMPS (LIGHT AIRBORNE MULTI-PURPOSE SYSTEM) HELICOPTER RECOVERY SYSTEM HIGH CAPACITY, LIGHT WEIGHT, AIRCRAFT ARRESTING GEAR DEVELOPMENT AUTOMATED LAUNCH AND RECOVERY SYSTEMS FOR SHEPARD AIRCRAFT FACT. SUPP. CENTER/INTEGRATED OPERATIONAL INTEL. CENTER INTEGRATION STUDY COANDA-FURD JET ENGINE RUN-UP NOISE SUPPRESSION

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TEST FACILITIES FOR FULL SCALE SIMULATION OF RUNWAY LOADING OF AIRCRAFT LANDING MATS EVALUATION OF 1/2" 1 1/2" DIAMETER WIRE ROPE AND ATTACHMENT AND DEVELOPMENT AND SERVICE LIFE SIMULATION OF HYDRAULIC, PNEUMATIC AND ELECTRICAL COMPONENTS/SUB-SYSTEMS. MOCK-UPS OF AIR LAUNCHED WEAPONS HANDLING AND STORAGE FACILITIES IN 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. IBM 160/50 COMPUTER FOR ENGINEERING ANALYSES. TEST AND EVALUATION SITE FOR NAVAL INTELLIGENCE PROCESSING SYSTEMS. VACUUM FURNACE FOR HEAT TREATING. ELECTRON BEAM WELDER. CRYOGENICS FACILITY.

INSTALLATION NAVAL AIR PROPULSION TEST CENTER

TRFNTCN, N.J.

N62176

C.O. CAPT A.D. WILLIAMS

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTE	12.579	13.290
TOTAL PROCUREMENT	4.114	3.900
TOTAL O&M	0.053	0.190
TOTAL OTHER	1.963	1.709
TOTAL ANNUAL LAB	18.309	19.089
TOTAL INHOUSE	13.550	13.680
TOTAL INHOUSE RDTE	9.052	8.691
ANNUAL OPERATING COST	2.785	3.001

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PROS		
MILITARY	0	0	0	0
CIVILIAN	690	0	157	518
TOTAL	690	0	161	518

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			TOTAL	REAL PROP	EQUIP
	LAB	ADMIN	OTHER			
66	410.937	51.800	136.000	598.737	45.936	11.644

...MISSION
TO TEST & EVALUATE AIRCRAFT PROPULSION SYSTEMS - THEIR COMPONENTS AND ACCESSORIES AND FUELS AND LUBRICANTS, AND TO PERFORM APPLIED RESEARCH AND DEVELOPMENT LEADING TO CORRECTION OF DESIGN DEFICIENCIES AND SERVICE PROBLEMS. INCLUDES PROPELLER ENGINES AS WELL AS JET ENGINES.

...CURRENT IMPORTANT PROGRAMS
F401-PW-400 PERFORM ALT AND ENVIRONMENTAL DEVELOPMENT TEST AND EVALUATE
F30-P-412 ENGINE INVEST SERVICE PROBLEMS AND EVAL CIP HARDWARE
F134-GI-2 REGT, PROTOTYPE HARDWARE EVAL, & SALT SUSCEPTIBILITY TESTS
F400-WV-400 ENGINE ALTITUDE QUALIFICATION & HI-LO TEMP TESTS AND CLALS
AVIATION FUELS AND LUBES CHARACTERISTICS, SPECIFICATIONS TESTS & QUALITY.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TEST AND EVALUATION CENTER FOR AIRCRAFT PROPULSION SYSTEMS AND PROPULSION RELATED COMPONENTS. ENVIRONMENTAL CONDITIONS OF FLIGHT AND SERVICE ARE SIMULATED IN TEST CELLS-ON TEST BENCHES-OR IN THE LABORATORY. THE LARGE CELLS HAVE ALTITUDE SIMULATION CAPABILITY FROM SEA LEVEL TO 100000 FT WITH TEMPERATURES FROM MINUS 45 TO PLUS 320 DEGREES F. ALTITUDE CELLS HAVE MACH 2.4 VELOCITY WITH 36 HAVING MACH 3 VELOCITY. SEA LEVEL CELLS HAVE MACH 1.2 VELOCITY. TEST CELLS CAPABLE OF HANDLING ALL PRESENT JET ENGINES IN NAVY USE. FOUR SMALL ENGINE TEST AREAS FOR SMALL TURBO-JET/TRANSHALT ENGINES-POWER UNITS-ACCESSORIES. FLOWMETER CALIBRATION CAPABILITY FOR FLOWMETERS AND FUEL NOZZLES. HI-TEMP FUEL COMPONENT FACILITY FOR FUEL CONTROL/FUEL SYSTEM COMPONENT CALIBRATIONS. RETIC SPIR FACILITY-TRANSMISSION TEST FACILITY.

INSTALLATION NAVAL AIR TEST CENTER

PATUXENT RIVER, MD.

N00421

C.O. RADM ROY M. ISAMAN

TECH. DIR. MR. JOHN B. PARADIS

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	31.800	33.307
TOTAL PROCUREMENT	28.536	29.069
TOTAL OEM	4.847	3.742
TOTAL OTHER	20.750	20.147
TOTAL ANNUAL LAB	85.933	86.265
TOTAL INHOUSE	71.254	71.148
TOTAL INHOUSE ROTCE	27.949	29.146
ANNUAL OPERATING COST	27.748	33.198

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
MILITARY	1631	3	213	1418
CIVILIAN	2439	5	457	1982
TOTAL	4070	8	670	3400

ACRES	SPACE AND PROPERTY			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL PRCP	EQUIP
6672	730.000	263.000	3684.000	4677.000	124.216	39.089

...MISSION
COORDINATE & PERFORM TEST & EVAL OF AIRCRAFT WEAPONS SYSTEMS, THEIR COMPONENTS & RELATED EQUIPMENT, CONDUCT TEST PILOT TRAINING, PROVIDE TECHNICAL ADVICE & ASSISTANCE TO BIS NASC CONTRACTORS, ETC.

...CURRENT IMPORTANT PROGRAMS
EVALUATION NEW AIRCRAFT F14 S3A A10J E2C LANPS AT 44H A6E F4//
CHECKOUT ALL AIRCRAFT IN AHS AIRSPEED/ALTITUDE SYSTEMS//CHECKOUT ALL APLS//DEVELOPMENT & EVAL OF ASW SYSTEMS TACTICAL SUPPORT CENTER PIC TSCV
EVAL GROUND SUPPORT EQUIP VAST HUMAN FACTORS GRAN HEADS UP DISPLAYS SYSTEMS//ELECTRONIC WARFARE SYS TRAM EA6//

...FUNCTIONS/EQUIPMENT/CAPABILITIES
DEVELOP & TEST CONCEPTS FOR OPERATION AIRPLANES FROM CARRIERS//EVAL AIRCRAFT MAINTENANCE & RELIABILITY//PERFORM ACCELERATED SERVICE TESTS//
PERFORM ELECTROMAGNETIC COMPATIBILITY TESTS//DEVEL & EVAL AIRCRAFT ELEC SYSTEMS//RESEARCH & DEVEL AIRCRAFT INSTRUMENTATION & DATA GATHERING DEVICES & SYSTEMS//ESTABLISH STORM RELEASE ENVELOPES//RECOMMEND DESIGN CHANGES TO AIRCRAFT//CONDUCT NAVY PRELIMINARY EVALS//MAJOR FACILITIES//
CATAPULTS & ARRESTING GEARS//INTERFERENCE TEST HANGER//AVIONICS LAB//
INSTRUMENTED THEODOLITE RADAR & ECM RANGE//EXTENSIVE WLEC & ENVIRONMENTAL LABS//EXTENSIVE INSTRUMENTATION, REAL TIME TELEMETRY, AND COMPUTER CAPABILITY//ENGINE TEST CELLS//OVER 120 TEST AIRCRAFT//LONG RUNWAYS//
AIRCRAFT WEIGHING SCALES//HYDROFOIL SEAPLANE AND SURFACE EFFECTS SHIPS TEST FACILITIES.

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

N63113

C.O. CAPT P.C. ROWLEY

TECH. COORD. MR. NICHOLAS EVANCYIC

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTC	1.480	1.665
TOTAL PROCUREMENT	3.375	0.000
TOTAL CCM	3.172	0.000
TOTAL OTHER	2.374	9.141
TOTAL ANNUAL LAB	10.401	10.806
TOTAL INHOUSE	9.881	10.497
TOTAL INHOUSE RDTC	1.413	1.652
ANNUAL OPERATING COST	3.862	3.788

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	PMS		
MILITARY	151	0	11	140
CIVILIAN	405	0	75	330
TOTAL	556	0	86	470

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
2500	59.204	29.598	91.906	180.708	35.429	7.569

...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 SI EQUIPMENT CONDUCT R AND D OF EQUIP
AND INSTR USED IN TESTS AND EVAL OF SI EQUIPMENT.

...CURRENT IMPORTANT PROGRAMS
HELICOPTER PERSONNEL ESCAPE SYSTEM
MK 7 JET BLAST DEFLECTOR TEST AND EVAL
CVAN 6R CATAPULT CONFIGURATION TEST AND EVAL
C13 MOD 1 CATAPULT DEVELOPMENT TEST AND EVAL
MK 14 ROTARY ARRESTING GEAR DEVELOPMENT

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CARRIER CONFIGS DUPLICATED AND SERV OPS SIMULATED WITH NAVAL ACFT
CAT DEV FAC SHIPBOARD USED TO DEV EVAL NEW ACFT CARRIER LAUNCH SYSTEMS
CAT DEV FAC SHOREBASED EXPEDITIONARY CAT FOR DEV OF MARINE CORPS SATS
CONCEPT AND REQUIRED ACFT LAUNCHING ACCESSORIES
ARRESTING GEAR DEV FAC SHIPBOARD CONFIGURED TO SIMULATE STANDARD
SHIPBOARD ARRESTING GEAR INSTAL MK 5 MOD 3 AND MK 7 MOD 1 2 AND 3
TEST TRACK FAC 5 TO DEV AND/OR EVAL SHOREBASED AND SHIPBOARD ARMS SYS
FIELD SUPPORT EQUIPMENT EVAL CTR WITH V/STOL FORWARD OPERATING FACILITY
AND UNIVERSAL LIGHTING PAD AND ELEVATED FIXED PLATFORM
DIGITAL AND ANALOG COMPUTATIONAL FAC PROVIDES FOR SCIENTIFIC PROBLEM
SOLUTION MIS AND SCIENTIFIC DATA REDUCTION OF ACQUIRED DATA
INSTR MAINT/CALIB FAC MOTION/STILL PHOTO CAP AND FILM DEV LAB

INSTALLATION NAVAL BLOOD RESEARCH LABORATORY

CHILSEA, MS.

N65429

C.O. CDR CESARE M. VALERI

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	0.390	0.682
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	0.157	0.200
TOTAL ANNUAL LAB	0.547	0.882
TOTAL INHOUSE	0.547	0.882
TOTAL INHOUSE ROTGE	0.390	0.682
ANNUAL OPERATING COST	0.060	0.077

PERSONNEL	PERSONNEL DATA (END OF FY 1973)	TOTAL PHDS	TOTAL PROF	NON- PROF
MILITARY	13	4	6	7
CIVILIAN	10	0	1	9
TOTAL	23	4	7	16

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
0	6.000	0.160	1.000	7.160	0.000	0.546

...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
EVALUATE IMPROVED METHODS FOR PRESERVING RED CELLS
EVALUATE METHODS FOR PRESERVING PLATELETS AND WHITE CELLS
EVALUATE IMPROVED METHODS FOR COMPONENT THERAPY
CLINICAL EVALUATION OF FROZEN RED CELLS AND PLATELETS
EVALUATE METHODS OF REJUVENATING OUTDATED RED CELLS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
HOLD FOR DONOR AND BARE IN DONOR BLOOD STORAGE CAPABILITY
LIQUID AND FREEZE PRESERVATION EQUIPMENT FOR RED CELLS, WHITE CELLS, AND
PLASMA COMPONENTS
EQUIPMENT TO BIOLOGICALLY EVALUATE THE VIABILITY AND FUNCTION OF RED
CELLS, WHITE CELLS AND PLATELETS

INSTALLATION NAVAL CIVIL ENGINEERING LABORATORY

FORT HUENEME, CA.

N62199

C.O. (CAPT EDWARD M. SAUNDERS)

TECH. DIR. MR. WILLIAM F. HUPKART

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROT&F	10.601	6.801
TOTAL PROCUREMENT	0.191	0.156
TOTAL C&M	1.143	3.667
TOTAL OTHER	1.727	1.729
TOTAL ANNUAL LAB	13.662	11.853
TOTAL INHOUSE	12.471	9.843
TOTAL INHOUSE ROT&F	9.618	5.751
ANNUAL OPERATING COST	1.705	1.762

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	16	1	11	5
CIVILIAN	340	38	137	203
TOTAL	356	39	148	208

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL PROP	EQUIP
72	120.352	21.977	31.548	173.877	5.736	5.682

...MISSION
MISSION OF LABORATORY IS TO BE THE PRINCIPAL NAVY ROT&F CENTER FOR SHORE AND SHALLOO FACILITIES AND THE SUPPORT OF MARINE CORPS CONSTRUCTION FORCES

...CURRENT IMPORTANT PROGRAMS
NAVY SHORE FACILITIES SUPPORT NAVY SEAFLOOR INSTALLATIONS APPROPRIOUS ADVANCED BASE TECHNOLOGY ENVIRONMENTAL PROTECTION ORGANIC MATERIALS MATERIAL CONTROL DISTRIBUTION & STORAGE DEEP OCEAN TECHNOLOGY DEVELOPMENTS ASSIGNED BY SUPT OF SALVAGE INDEPENDENT EXPLORATORY DEVELOPMENT INDEPENDENT RESEARCH ROT&F FOR SANGUINE.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PRESSURE VESSEL FACILITY WITH 72-INCH ID BY 10 FT DEEP PRESSURE VESSEL SUSTAINING PRESSURES UP TO 5500 PSI DIVING LOCKER & EQUIPMENT FOR DIVERS SEAFLOOR SOILS MATERIALS SOLID STATE METALURGICAL PHOTOLAS- TIC, SNOW AND ICE LABORATORIES, WARPING TUGGOCORER FOR TAKING SAMPLES AT WATER DEPTHS TO 6000 FT, INSTRU TESTING EQUIPMENT FOR DEEP OCEAN INCLUDING A VANE SHEAR DEVICE, CONE PENETROMETER, 10 FT CORE PLATE BEARING TEST DEVICE & FOUNDATION MONITOR, A MOTION COMPENSATING LIFTING SYSTEM CAPABLE OF LIFTING 40,000 LBS FROM 6000 FT DEPTH, PHOTOGRAPHIC FACILITY, ENVIRONMENTAL PROTECTION MONITORING CAPABILITY, CDC-8090 COMPUTER/TERMINAL WITH A HIGH SPEED READER & LINE PRINTER, DIGITAL MAG TAPE I/O, ANALOG TAPE ADC & DAC CONVERSION & A PEN PLOTTER & TIE WITH CDC - 6600

INSTALLATION NAVAL CLOTHING AND TEXTILE RESEARCH UNIT NATICK, MS.

862167

C.O. CDR J.P. MITTS

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	0.771	0.755
TOTAL PROCUREMENT	0.080	0.192
TOTAL OCM	0.590	0.607
TOTAL OTHER	0.022	0.015
TOTAL ANNUAL LAB	1.463	1.569
TOTAL INHOUSE	1.463	1.569
TOTAL INHOUSE ROTGE	0.771	0.755
ANNUAL OPERATING COST	0.165	0.212

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PMS		
MILITARY	1	0	0	1
CIVILIAN	60	0	22	38
TOTAL	61	0	22	39

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
2	10,000	7,000	3,000	20,000	0.275	0.600

...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
STATIC ELECTRICITY PROPENSITY OF CLOTHING
COLD WEATHER HANDWEAR
MARK 46/48 TORPEDO FUEL HANDLERS PROTECTIVE CLOTHING
SHIPBOARD FIRE RESISTANT CARPETING MATERIALS
SHIPBOARD COVERALLS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MAJOR FUNCTION--
CONDUCT ROTGE 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 OOD 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

N61331

DIR. (APT L.D.G. WHALEY

TECH. DIR. MR. GERALD G. GOULD

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTGE	10.440	10.460
TOTAL PROCUREMENT	1.112	0.709
TOTAL IGH	2.387	4.413
TOTAL OTHER	3.027	3.144
TOTAL ANNUAL LAB	17.806	19.226
TOTAL INHOUSE	16.022	17.338
TOTAL INHOUSE ROTGE	9.050	9.150
ANNUAL OPERATING COST	4.909	5.845

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	ACQ- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	140	3	15	125
CIVILIAN	577	18	740	337
TOTAL	717	21	755	462

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
674	202.176	35.296	313.957	511.669	19.618	11.741

...MISSION
TO BE THE PRINCIPAL NAVY ROTGE CENTER FOR THE APPLICATION OF SCIENCE
AND TECHNOLOGY ASSOCIATED WITH MILITARY OPERATIONS CARRIED OUT PRI-
MARILY IN THE COASTAL REGION, AND TO PERFORM INVESTIGATIONS IN RELATED
FIELDS OF SCIENCE AND TECHNOLOGY.

...CURRENT IMPORTANT PROGRAMS
COASTAL TECHNOLOGY SUPPORTING MARINE CORP. SUPER CONDUCTING COUNTER
MAGNETIC, AMPHIBIOUS WINE COUNTERMEASURES AND INSIDRE WARFARE
OPERATIONS, INTEGRATED SWIMMING DIVER SYSTEMS INCLUDING SALVAGE,
ACOUSTIC WARFARE SYSTEMS FOR SURFACE SHIPS AND SUBMARINES. ACOUSTIC
WARFARE SYSTEMS FOR SURFACE SHIPS AND SUBMARINES.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
TWO GULF OFFSHORE RESEARCH PLATFORMS WITH LIVING/LABS FOR 30 & 4 PEOPLE.
MAN PATED OCEAN SIMULATION FACILITY ALMOST COMPLETED. SIMULATION AND
COMPUTER CENTER WITH XDS 9500, ADI 256, UNIVAC 1210 & BURROUGHS 5500
COMPUTERS AND ASSOCIATED EQUIPMENT. SEAFLOOR PLATFORM, MAGNETIC VILLAGE
HELIPAD COMPLEX 3-RHS30 & L-WHE HELOS. MODEL TOWING BASIN, UNDERWATER
ACOUSTIC TRANSDUCER FAC. ACOUSTIC RESEARCH TANK, ACOUSTIC SIMULATOR,
AUTOMATIC ELECTRONIC RANGING INSTRUMENTATION SYSTEM. SHORE OPTICAL-
TRACKING SYSTEM, ENVIRONMENTAL SIMULATION LAB, RECOMPRESSION CHAMBERS,
CALIBRATION & STANDARDS FACILITY, INDUSTRIAL SHOPS, PIER SPACE AND BOATS
DECKING/INTIRING & PHYSIOLOGY LAB, HYDROSPACE LAB, SWIMMER/DIVER RES FAC.
HELMHOLTZ COIL FAC. MAGNETIC TARGET DETECTION & CLASSIFICATION RANGE.
LOW FREQ FAC. COUNTERMEASURES EVALUATOR FAC. SOLENOID COIL FACILITY.

INSTALLATION NAVAL DENTAL RESEARCH INSTITUTE, NTC

GREAT LAKES, IL

N65786

C.O. CAPT M.J. KEENE

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	0.335	0.391
TOTAL PROCUREMENT	0.000	0.000
TOTAL GCM	0.000	0.000
TOTAL OTHER	0.264	0.265
TOTAL ANNUAL LAB	0.603	0.656
TOTAL INHOUSE	0.603	0.656
TOTAL INHOUSE ROTCE	0.335	0.391
ANNUAL OPERATING COST	0.114	0.070

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	ACN- PROF
	AUTHORIZED STRENGTH	TOTAL PMDS		
MILITARY	18	2	13	7
CIVILIAN	17	2	14	3
TOTAL	35	4	25	10

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
1	8.900	5.100	6.000	20.000	0.000	0.490

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

...CURRENT IMPORTANT PROGRAMS
ORAL HEALTH OF NAVAL PERSONNEL
MICROORGANISMS IN INDUCED PERIODONTAL DISEASE
MICROCHEMISTRY OF INFECTION FREE AND PATHOLOGICAL ORAL ENVIRONMENTS
BACTERIOLOGY OF THE ORAL ENVIRONMENT IN CARRIES FREE NAVAL RECRUITS
MOBILE FIELD AND COMBAT SUPPORT FOR MARINE AND NAVY TASK FORCES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
ASSESS DENTAL HEALTH STATUS OF RECRUITS IMPROVE DISEASE PREVENTION AND
CARE PROCEDURES INCREASE QUALITY AND QUANTITY OF DENTAL CARE
AMINOACID ANALYZER ATOMIC ABSORPTION UNIT FLUORIDE ELECTRODES
SCINTILLATION COUNTER MOBILE DENTAL TREATMENT UNIT
8K MEMORY CORE COMPUTER GAS CHROMATOGRAPH UNIT
EVALUATION OF ORAL TISSUE
AMINOACID ANALYZER ATOMIC ABSORPTION SPECTROPHOTOMETER FLUORIDE
ELECTRODE SCINTILLATION COUNTER MOBILE DENTAL TREATMENT UNIT
4K MEMORY CORE COMPUTER BACTERIAL TAXONOMY VACCINE PRODUCTION AND
TESTING DENTAL EQUIPMENT DESIGN AND FABRICATION

INSTALLATION NAVAL ELECTRONICS LABORATORY CENTER

SAN DIEGO, CA.

N00953

JO: CAPT N.D. HANSON JR.

TECH. DIR. DR. C.E. BERGMAN

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	32.067	34.811
TOTAL PROCUREMENT	9.035	5.213
TOTAL OCM	11.713	10.130
TOTAL OTHER	7.719	7.282
TOTAL ANNUAL LAB	56.534	59.436
TOTAL INHOUSE	39.837	40.844
TOTAL INHOUSE RDCE	22.465	25.002
ANNUAL OPERATING COST	13.976	14.859

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	ACT. PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	90	1	31	59
CIVILIAN	1473	63	729	744
TOTAL	1563	64	760	803

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	REAL PROP	EQUIP
	LAB	ADMIN	OTHER			
1591	421.750	119.943	77.620	619.921	12.219	36.532

...MISSION
SYSTEMS ENGINEERING FIM COMMAND CONTROL TELECOMMUNICATIONS

...CURRENT IMPORTANT PROGRAMS
FLEET SATELLITE COMMUNICATION AND DIGITAL INFORMATION EXCHANGE SYSTEMS.
COMMUNICATION AUTOMATION TECHNOLOGY AND MESSAGE PROCESSING AND DISTRIBUTION SYSTEM FOR CVAN 68 AND 69.
IMPROVEMENT OF FIM COMMUNICATION SYSTEMS.
OPERATIONAL APPLICATIONS OF ELECTRO-OPTICS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FUNCTIONS ARE TO ESTABLISH AND MAINTAIN THE PRIMARY IN-HOUSE RESEARCH AND DEVELOPMENT CAPABILITY FOR NAVY AND MARINE COMPS SYSTEMS AND TECHNOLOGIES FOR COMMAND CONTROL AND COMMUNICATIONS, ELECTRONIC WARFARE, ELECTROMAGNETIC SURVEILLANCE, IDENTIFICATION, AND NAVIGATION.
FACILITIES INCLUDE: ADVANCED COMPUTER SCIENCE CENTER, MICROELECTRONICS LAB, ENVIRONMENTAL TEST FACILITY, ELECTRO-OPTICS R&D LAB, MATERIALS SCIENCE LAB, SIXTY FOUR MICROWAVE SPACE RESEARCH FACILITY, ANTENNA MODEL RANGE, HUMAN FACTORS LAB, SYSTEMS EVALUATION FACILITIES.

INSTALLATION NAVAL EXPLOSIVE ORDNANCE DISPOSAL FACILITY INDIAN HEAD MD

NO4644

JO. CDR DEWITT H. MOODY

TECH. DIR. MR. LIONEL A. DICKINSON

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL PDTC	2.739	3.133
TOTAL PROCUREMENT	2.673	2.958
TOTAL CCM	0.210	0.002
TOTAL OTHER	0.651	0.625
TOTAL ANNUAL LAB	6.273	5.816
TOTAL INHOUSE	3.769	3.937
TOTAL INHOUSE PDTC	1.522	1.810
ANNUAL OPERATING COST	1.376	1.355

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	ADM- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	53	0	9	44
CIVILIAN	152	1	19	133
TOTAL	205	1	28	177

ACRES	SPACE AND PROPERTY			TOTAL	REAL PRCP	EQUIP
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN			
1084	50.771	28.757	49.959	129.527	3.007	1.965

MISSION
UNDER POLICY GUID OF JOINT SERVICE EOD PROGRAM & MANAGEMENT OF SECNAV
CONDUCT JOINT SERVICE EOD TECHNICAL PUB AND EQUIPMENT MANAGEMENT PROGS
TO SUPPORT LOCATION, IDENT, NEUTRALIZATION & DISP OF EXPLOS ORD AND SUPP
OTHER GOVERNMENT AGENCIES

CURRENT IMPORTANT PROGRAMS
JOINT SERVICE EOD PDTC
JOINT SERVICE EOD TECHNICAL PUBLICATIONS
JOINT SERVICE EOD EQUIPMENT MANAGEMENT
NAVAL MINE LOCATION AND NEUTRALIZATION
INT EXAM FOREIGN EXPLOS ORD & IMP DEVICES INV EXPLOS DETECT & NEUTR

FUNCTIONS/EQUIPMENT/CAPABILITIES
MULTIDISCIPLINARY EOD LABORATORY SPACES AND MODEL SHOPS
ORDNANCE EXAMINATION FACILITY WITH REMOTELY OPERATED EQUIPMENT AND
EXTENSIVE RADIOGRAPHIC CAPABILITY
HAWK RATED TEMPERATURE CONTROLLED DIVING TANK (137 METERS SEAWATER)
EQUIPMENT UNDERWATER TEST TANK (3000 METERS SEAWATER)
INSTRUMENTED MINE RANGE
ORDNANCE LIBRARY

STATION NAVAL MEDICAL FIELD RESEARCH LABORATORY CAMP LEJEUNE, N.C.
 CAPT JESSE F. ADAMS

1167245

PROGRAM DATA BY FISCAL YEAR (MILLION \$)		
	1973 (ACTUAL)	1974 (ACT + EST)
ROTCF	0.788	0.820
PROCUREMENT	0.303	0.011
CEM	0.005	0.000
OTHER	0.339	0.338
ANIMAL LAB	1.434	1.169
INHOUSE	1.434	1.169
INHOUSE ROTCF	0.788	0.820
OPERATING COST	0.245	0.220

PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED STRENGTH	TOTAL PROFS	NON- PROF
NAVY	34	4	29
ARMY	42	2	36
AIR	76	6	65

SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)		TOTAL	REAL PROP	EQUIP
LAH	28.220	ADMIN	13.590	52.471	0.539
OTHER					0.678

SSION
 CT RESEARCH, DEVELOPMENT, & TESTING IN THE MEDICAL, DENTAL, &
 D SCIENCES WITH PARTICULAR EMPHASIS ON PROBLEMS OF FIELD &
 RIOUS MEDICINE

URRENT IMPORTANT PROGRAMS
 TREAT ACCLIMATIZATION & EVAL OF FIELD WATER PURIFICATION SYSTEMS
 ICHMYOLYSIS
 INDOICICAL URETHRITIS & GONORRHEA IN USMC PERSONNEL
 IF MINIMAL FIELD & SHIPBOARD MEDICAL FACILITIES
 OR CONTROL METHODS, EQUIPMENT & SUPPLIES

UNCTIONS/EQUIPMENT/CAPABILITIES
 CT RES IN PROBLEMS OF FLD & AMPHIB MEDC DEVELOP, TEST & EVAL MED
 & SUPPLIES & CLOTHING & EQUIP FOR USMC PERSONNEL USE & PROTECTION
 IRY CAPABILITIES IN APPL RES, SPECIFICALLY IN AREAS OF PIERCEMENT,
 IXL, STRESS PHYSIOL, ENTOMOL, ENVIRON BIOL, FLD MED EQUIP, BIOCHEM,
 IL INVESTIGATIONS. MAJOR EQUIP: BALLISTIC RANGE, HIGH-SPEED BECKMAN
 RA, MATERIALS LAMINATION PRESS & SEALERS, SEWING EQUIP, 2-MAN RESP
 ENVIRON CHAMBER, CLIMATE CHAMBER, SMALL LOW-PRESSURE & LOW-TEMP
 OR, OXYGEN ANALYZER, UNRESTRICTED PHOTO CAPABILITY, PHOTO MICROSCOPY,
 STAT, SOUND RECORDER, ANALYZER SPECTRUM, OSCILLATOR VOLTAGE CONTROL

IN NAVAL MEDICAL RESEARCH INSTITUTE

BETHESDA, MD.

N64223

FOR REVIEW

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
RESEARCH	5.057	6.913
DEVELOPMENT	0.000	0.000
ADMIN	0.000	0.000
REL LAB	2.465	2.465
	7.522	8.378
USE	7.521	8.378
USE NOICE	5.056	5.913
RATING COST	1.460	1.491

PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-
AUTHORIZED	PHDS	PHDS	PHDS
STRENGTH			
203	55	77	126
210	34	59	151
413	69	126	277

SPACE AND PROPERTY			COST (MILLION \$)		
SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	REAL PRCP	EQUIP
LAB	ADMIN	OTHER			
151.730	21.561	26.590	199.881	4.066	5.012

ISIC & APPLIED RESEARCH &
BY CONCERNED WITH THE HEALTH
EFFICIENCY OF NAVAL

IMPORTANT PROGRAMS
RING ORGAN TRANSPLANTS & IMMUNOSUPPRESSION IN RESTERATIVE SURG
EV FOR CONTROL OF MALARIA & CHISTOSOMIASIS
LD STRESS IN HYPERBARIC & HIGH ALTITUDE ENVIRONMENTS
ON HYPERBARIC ENVIRONMENTS
S OF ORAL PLUME DISEASE & TREATMENT OF ORAL DISEASE & TRAUMA

INS/EQUIPMENT/CAPABILITIES
DEVELOPMENTAL RESEARCH IN THE BIOPHYSICAL
ES & EFFECTING HUMAN HEALTH SAFETY & PERFORMANCE INCLUDING
ORIENTAL STRESS FACILITIES INCLUDING
C CHAMBER COMPLEX
ION & SCANNING ELECTRON MICROSCOPE
RESERVATION & TRANSPLANTATION CAPABILITIES
BIOCHEMISTRY
ITAL ANIMAL FACILITIES & ANIMAL HOUSE

LATION NAVAL MEDICAL RESEARCH UNIT NO. 2

TAIPEI, TAIWAN

N62814

APT R.H. MATTEW

CH. SCI. DR. R. Q. BLACKWELL

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
RD&E	1.945	1.543
PROCUREMENT	0.000	0.000
CGM	0.010	0.000
OTHER	0.512	0.575
ANNUAL LAB	2.137	2.118
INHOUSE	2.137	2.118
INHOUSE RD&E	1.945	1.543
OPERATING COST	0.605	0.632

PERSONNEL DATA (END OF FY 1973)	TOTAL		NON-PROF
	AUTHORIZED STRENGTH	PROF	
ARMY	14	15	5
NAVY	9	2	5
	43	17	9

SPACE (THOUSANDS OF SQUARE FEET)	COST (MILLION \$)		
	LAB	ADMIN	OTHER
2	32.882	16.075	48.364
			57.321
			0.101
			0.908

SECTION
RESEARCH AND DEVELOPMENT IN THE BIOMEDICAL SCIENCES. PROVIDE DATA
DISEASES AND MEDICAL PROBLEMS OF MILITARY SIGNIFICANCE. RECOMMEND
MEASURES AND PROVIDE TRAINING IN RES & DEV TECHNIQUES.

PERFORM IMPORTANT PROGRAMS
EVIDENCE OF NUTRITION ON SUSCEPTIBILITY OF INFEC DIS HORD CN PERFORM.
EVIDENCE OF FILARIASIS IN PHILIPPINES AND INDONESIA
EVIDENCE OF SCHISTOSOMIASIS IN INDONESIA AND INFLUENZA IN S.E. ASIA
EVIDENCE OF FEVERILE ILLNESS IN INDONESIA AND S.E. ASIA AND WEST PACIFIC
EVIDENCE OF INFEC HEPATITIS AND MALARIA RESISTANCE IN S.E. ASIA

FUNCTIONS/EQUIPMENT/CAPABILITIES
CLINICAL STUDY OF DIAGNOSIS AND TREATMENT OF TROPICAL DISEASES AND
EPIDEMOLOGICAL STUDY OF INFECTIOUS DISEASES. COMPLETE RADIOISOTOPIC
EQUIPMENT AND COMPUTER CAPABILITY PROFICIENCY IN CLINICAL INVESTIGATION
EVIDENCE OF MEDICAL PHYSICS MEDICAL ECOLOGY BIOCHEMISTRY PATHOLOGY
AT FACILITY.

ATION NAVAL MEDICAL RESEARCH UNIT NO. 3 CAIRO, EGYPT
 PT HENRY A. SPARKS TECH. DIR. DR. H. HOOGSTRAAL

M61751

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
DTCE	0.856	1.091
ROUREMENT	0.419	0.419
EN	0.000	0.000
TER	0.372	0.375
NMIAL LAB	1.847	2.085
NHOUSE	1.847	2.085
NHOUSE DTCE	0.856	1.091
OPERATING COST	0.419	0.419

PERSONNEL DATA (END OF FY 1973)

	AUTHORIZED STRENGTH	TOTAL PNOs	TOTAL PROF	NON- PROF
EL	31	8	12	19
V	260	4	4	256
3	291	12	16	275

SPACE AND PROPERTY

SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
18.242	9.500	2.300	30.042	0.144	0.790

ION
 INTO CAUSES, PATHOGENES, EPIDEMIOLOGY, PREVENTION AND TREATMENT OF
 DISEASES IN EGYPT, NORTH AFRICA AND THE MIDDLE EAST AND THE
 OF COLLABORATIVE EDUCATIONAL PROGRAMS WITH BIOMEDICAL SCIENTISTS

ENT IMPORTANT PROGRAMS
 OCCAL VACCINE STUDY
 ONIASIS PATHOPHYSIOLOGY OF
 IG FEVER TREATMENT OF
 ID VIRUS ISOLATIONS TICKS AND MOSQUITOES
 IFC DRUG STUDY OF INFECTIOUS DISEASES

IONS/EQUIPMENT/CAPABILITIES
 TISSUE PROCESSOR HEWLETT-PACKARD MODEL 9100 CALCULATOR PICKER
 MAGNASCANNER PENALTRON 4 ATOMIC ABSORPTION SPECTROPHOTOMETER
 V SPECTROPHOTOMETER GAS CHROMATOGRAPH COUNTER BLOOD CELL COUNTER
 PARATUS CAR DIOGRAPH ELECTRONIC CALCULATOR HANG FLUORESCENT
 PE GUILFORD MODEL 240 SPECTROPHOTOMETER ANSCO AUTOCLAVES
 IOTOMETERS CENTRIFUGES ANALYTICAL SCANNER AND INTEGRATOR
 REVED X-RAY FLUORESCENT SPECTROMETER BALANCES NETTLER
 VER CLIMATIZER WALK 12 REFRIGERATOR AND FREEZER PATIENTS HARD TO
 DZE SICK EGYPTIANS PUBLIC WORKS FACILITY WORLD'S MOST COMPLETE
 LECTON MODERN LABORATORY TO STUDY DISEASES IN EGYPT.
 DETACHMENT IN ETHIOPIA THAT IS ALSO MODERN AND WELL EQUIPPED
 HARD SPACES AT THE NEARBY ST. PAUL'S HOSPITAL



ION NAVAL MEDICAL RESEARCH UNIT NO. 4

GREAT LAKES, IL

N62326

C.H. MILLER

PROGRAM DATA BY FISCAL YEAR (MILLION \$)		
	1973 (ACTUAL)	1974 (ACT + EST)
EF	0.722	0.677
EMENT	0.000	0.000
	0.000	0.000
ER	0.417	0.408
JAL LAB	1.139	1.085
USE	1.139	1.085
USE ROTEE	0.722	0.677
TRATING COST	0.264	0.240

PERSONNEL DATA (END OF FY 1973)			
AUTHORIZED	TOTAL	NON-	
STRENGTH	PHDS	PROF	PROF
35	5	15	20
35	1	14	21
70	6	29	41

SPACE AND PROPERTY			COST (MILLION \$)		
SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	REAL PRCP	EQUIP
LAB	ADMIN	OTHER			
22.053	16.716	18.975	57.744	0.387	0.450

AND D IN HIGHED SCI. PROVIDE DATA ON DISEASE AND PED PROB OF
RECOMMEND CONTROL MEASURES FOR COMMUN DISEASE. PRCV TRAIN IN
RSCH IN ETIOLOGY,TRANS,CONTROL AND TREAT OF COMMUN RESPIR
ED MED ACT TO EPIDEMIC RESPIR DISEASE. STUD MED PROB OF RECRUT

IMPORTANT PROGRAMS
AGENTS OF RESPIRATORY DISEASE IN RECALITS.
VED IMMUNITY.
FLUENCING INTERFERON RESPONSE.
ACTERIAL AGENTS TO ELIMINATE MENINGOCOCCI IN NASOPHARYNX.
US VACCINES IN RECRUTS.

US/EQUIPMENT/CAPABILITIES
BY,BIOCHEMISYRV,EPIDEMIOLOGY,IMMUNOLOGY AND VIROLOGY.
REFRIGERATION UNITS,ULTRACENTRIFUGE,LIQUID SCINTILLATION
ILLATOR,SPECTROPHOTOMETERS,ELECTRON SCOPE,GAS CHROMATOGRAPH
BY BIOCHEMISTRY BIOMETRICS EPIDEMIOLOGY IMMUNOLOGY AND
O ETOL AND CONTROL OF COMMUNICABLE DISEASE.

NAVAL MISSILE CENTER

POINT MUGO, CA.

N63126

W. M. SCHWARTZ

TECH. DIR. MR. THIADDEUS P. PERRY

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
EMENT	27.466	30.612
	31.092	28.599
	15.738	17.794
	10.217	7.262
LAB	84.513	84.267
	68.162	68.018
SE ROTCE	24.445	27.244
IVING COST	17.050	19.918

PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-
AUTHORIZED	PHDS	PROF	PHDS
STRENGTH	3	85	360
445	8	418	1158
1776	11	703	1518
2221			

SPACE AND PROPERTY			COST (MILLION \$)		
SPACE (THOUSANDS OF SQUARE FEET)			TOTAL REAL PRCP EQUIP		
LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
110.756	149.569	754.611	1034.936	25.973	39.490

TEST, EVALUATION, DEVELOPMENT SUPPORT AND EXERCISE ENGINEERING
IS ASSIGNED OF NAVAL WEAPON SYSTEMS AND RELATED DEVICES

IMPORTANT PROGRAMS
IN DEVELOPMENT TESTING
ELECTRONIC COUNTERMEASURES RED
COGNIZANCE OF AIR LAUNCHED WEAPONS
AIR-TO-SURFACE MISSILE PRODUCTION TESTING
SIMULATION OF AERIAL AND SURFACE TARGETS

EQUIPMENT/CAPABILITIES
TESTS AND CONDUCT TECH EVALUATIONS OF NAVAL AIRBORNE WEAPONS
E SUBSYSTEMS AND RELATED SUPPORT EQUIP. PERFORM ETS TRIPS
ATED AIRBORNE WEAPONS SYSTEMS PERFORM PROD MONITORING TESTS
MISSILE LOS&PROVIDE ENG COGNIZANCE AND FIELD ENG SERVICES
OPERATIONAL AIRBORNE WEAPONS AND TARGETS SYSTEMS PROVIDE
MANAGEMENT AND SUPPORT FOR FW EQUIPMENT DURING DEV AND
PERFORM DEV TCE OF AIRBORNE AND SURFACE TARGET SYSTEMS. MAJOR
FRATIONS FAC ROCKET ENGINE TEST FAC INTEGRATED SYSTEMS SIMULA
TARGETS FAC, PHOTOGRAPHICS FAC INFRARED LASER AND OPTICS LAB

INSTAL
C.O. C

PROGRA

TOTAL
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TOTAL
ANNUAL

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CIVIL
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AL ORDNANCE LABORATORY

WHITE OAK, MD.

N60921

WILLIAMSON II TECH. DIR. DR. WILLIAM B. AASPACHER

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
	73.594	90.247
	13.779	12.822
	3.174	2.666
	8.247	10.048
	98.794	115.783
	61.082	66.000
	41.623	50.423
	24.030	24.484

PERSUNNEL DATA (END OF FY 1973)

	TOTAL	TOTAL	NON-PROF
STRENGTH	PHDS	PROF	
49	0	20	29
2700	153	1117	1583
2749	153	1137	1612

SPACE AND PROPERTY

SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)	
LAB	ADMIN	OTHER	TOTAL	REAL PRCP EQUIP
604.978	185.506	757.756	1348.240	48.775 45.770

PAL NAVY NOTICE CENTER FOR ORDNANCE TECHNOLOGY, CONCEPTS
ABILITIES FOR STRATEGIC SYSTEMS, NAVAL MINE SYSTEMS, MULTI
SYSTEMS, DIRECTED ENERGY SYSTEMS, FUZE DEVELOPMENT, IN-SHORE WARFARE
RAFT ARMAMENT, SWIMMER WEAPONS SYSTEMS, OMD, TECHNOLOGY

STANT PROGRAMS

NT
ED RESEARCH AND DEVELOPMENT
F TECHNOLOGY

IPMENT/CAPABILITIES

HACH 206 BALLISTICS RANGES FOR FREE FLIGHT MODEL
ALLISTIC TANK 1.75 MILLION GALLON CAPACITY FOR STUDY OF
E MODELS AT HIGH SPEED ENTRY, CENTRIFUGE TO STUDY U/A
ILITIES FOR TESTING AND RESEARCH IN THE CHEMISTRY OF
PROPELLANTS, EXTENSIVE LABORATORY AND FIELD FACILITIES
NANCE UNDER NATURAL AND/OR SIMULATED CONDITIONS
RE FACILITY TO STUDY MAGNETIC CHARACTERISTICS OF SUB-
AND SATELLITES, HIGH-ARC FACILITY, CDC 6400 COMPUTER
Y, VULNERABILITY AND HARDENING BUILDING, HYDROACOUSTIC

INSTALL

C.O. CO

PROGRAM

TOTAL R

TOTAL F

TOTAL C

TOTAL A

TOTAL I

TOTAL I

ANNUAL

PERSON

MILITARY

CIVILIAN

TOTAL

ACRES

112

...MISS

SUPPORT

FLIGHT

INTEGRA

...CURR

STANDAR

...FUNK

FLIGHT

FLIGHT

LAUNCH

CONDUCT

FLIGHT

CONDUCT

LAUNCH

ASSIST

NAVAL ORDNANCE MISSILE TEST FACILITY

WHITE SANDS M.R., N.M.

N61762

THE ARMY

CH. ENG. DR. W.M. MOHA

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
INVENT	2.171	2.157
	0.319	0.401
	0.000	0.000
LAB	1.622	1.546
	4.112	4.107
ROTC	3.412	3.385
ING COST	1.604	1.653
	1.067	0.958

PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
AUTHORIZED	TOTAL	PROF	
STRENGTH	PHDS		
153	2	31	122
82	1	5	77
235	3	36	199

SPACE AND PROPERTY				COST (MILLION \$)	
SPACE (THOUSANDS OF SQUARE FEET)				TOTAL	REAL PRCP
LAB	ADMIN	OTHER	TOTAL		EQUIP
84.310	30.540	239.240	354.090	6.673	3.369

NAVY GUIDED MISSILE AND ROCKET PROGRAM INCLUDING GROUND AND
WILL PARTICIPATE IN THE OPERATION OF THE DEPT OF DEFENSE
MISSILE TEST AT WHITE SANDS

IMPORTANT PROGRAMS
FILE 2 SLANT AEGIS

EQUIPMENT/CAPABILITIES
TALOS, TERRIER, TARTAR, STANDARD, SAM GUIDED MISSILES
TALOS, STANDARD ANTI RADIATION MISSILES
EE 150, 170, 350 SOUNDING ROCKETS FOR UPPER ATMOS STUDY
AIR WEAPON (MORND) TESTS
LOW ALT SUPERSONIC TARGETS
JUS DEVELOPMENT TEST FOR SSN AND SAM PROJECTS
JUS ROCKETS IN SUPPORT OF NASA PROJECTS
JUS SYS EVAL OF F-16 PROGRAM

INSTALLATION NAVAL RESEARCH LABORATORY

WASHINGTON, D.C.

NO0173

C.O. CAPT JOHN T. GEARY

DIA. OF RSCH. OP. ALAN BERNAN

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	158.918	165.955
TOTAL PROCUREMENT	16.943	1.018
TOTAL O&M	4.709	1.451
TOTAL OTHER	6.773	3.411
TOTAL ANNUAL LAB	197.343	171.835
TOTAL INHOUSE	180.655	168.958
TOTAL INHOUSE RDCE	153.629	163.118
ANNUAL OPERATING COST	33.503	34.027

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	117	1	11	76
CIVILIAN	4026	601	1789	2238
TOTAL	4143	602	1800	2314

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	TOTAL	PHOS	TOTAL	REAL PRCP	EQUIP
2133	2240.840	135.456	637.259	3013.755	79.047	67.062

...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 ELECTRONIC WARFARE SYSTEMS
HIGH ENERGY LASER, GENERATION, PROPAGATION, AND EFFECTS PROGRAM
SATELLITE PROGRAMS
ADVANCED ACOUSTIC ANTI-SUBMARINE WARFARE SURVEILLANCE PROGRAM

...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 TWO SHIPS FOR ACOUSTIC ASW RESEARCH, OCEANOGRAPHY, AND DEEP OCEAN SEARCH. 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.

NO0167

COM. CAPT P.W. NELSON

TECH. DIR. DR. A. PUMELL

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	96.703	149.186
TOTAL PROCUREMENT	1.597	0.847
TOTAL CGN	9.530	8.240
TOTAL OTHER	11.008	9.850
TOTAL ANNUAL LAB	119.638	168.131
TOTAL INHHSF	60.377	44.271
TOTAL INHHSF RDCE	44.947	51.437
ANNUAL OPERATING COST	22.728	22.875

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	MIN-PROF
	AUTHORIZED STRENGTH	PHDS		
MILITARY	62	0	25	37
CIVILIAN	2995	107	1250	1645
TOTAL	2957	107	1275	1682

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	REAL PRCP	ESTIP
	LAB	ADMIN	OTHER			
296	393.522	198.164	1405.876	1957.562	44.850	94.561

...MISSION
TO BE THE PRINCIPAL NAVY RDCE CENTER FOR NAVAL VEHICLES AND TO PROVIDE
RDCE SUPPORT TO THE U.S. MARITIME ADMINISTRATION AND THE MARITIME
INDUSTRY.

...CURRENT IMPORTANT PROGRAMS
HYDROFOIL SYSTEMS (PHM SUPPORT)
AMPHIBIOUS ASSAULT LANDING CRAFT (AALC)
SUBMARINE SPEED AND CONTROL IMPROVEMENT
HIGHLY SKEWED PROPELLER DEVELOPMENT
SUBMARINE SILENCING

...FUNCTIONS/EQUIPMENT/CAPABILITIES
PLAN AND CONDUCT RDCE AND PROVIDE SUPPORT TO THE OPERATING AGENCIES AND
NAVAL AND GOVERNMENT AGENCIES AS ASSIGNED IN THE AREAS OF HYDROMECHANICS,
STRUCTURAL MECHANICS, ACOUSTICS & VIBRATIONS, AERODYNAMICS, APPLIED
MATHEMATICS, SHIPS ATMOSPHERE CONDITIONING AND POLLUTION CONTROL, SHIP
ELECTRICAL SYSTEMS, AND SHIPBOARD MACHINERY SYSTEMS. FACILITIES INCLUDE:
BALLAST BLUM FACILITY, WARM SEAWATER PIPING SYSTEM FACILITY, COMPUTER
FACILITY, HIGH SPEED, DEEP AND SHALLOW WATER, MANEUVERING SEAKEEPING,
AND ROTATING ARM TUNING BASINS, SUBSONIC, TRANSONIC, SUPERSONIC, AND
HYPERSONIC WIND TUNNELS, ACOUSTIC DATA ANALYSIS CENTERS, ANECHOIC FLUID
FACILITY, DEEP SUBMERGENCE PRESSURE TEST TANKS, MAGNETIC FIELDS FACILITY,
& WELDING ANALYSIS FACILITY AND STRUCTURAL RESEARCH FACILITY.

INSTALLATION NAVAL SPACE SYSTEMS ACTIVITY

LOS ANGELES, CA.

N65576

CDR. CAPT D.G. FAULKNER JR.

TECH. ADV. DR. F.R. MUEHLNER

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCF	4.406	4.397
TOTAL PROCUREMENT	1.445	1.400
TOTAL OCM	0.209	0.260
TOTAL OTHER	0.424	0.130
TOTAL ANNUAL LAB	6.684	6.327
TOTAL INHOUSE	1.074	1.110
TOTAL INHOUSE ROTCF	0.700	0.780
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	PHYS	PROF	
MILITARY	15	1	15	0
CIVILIAN	34	1	27	7
TOTAL	49	2	42	7

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN	OTHER	TOTAL REAL PROP	EQUIP
0	0.000	1.595	3.233	4.828	0.000	0.022

...MISSION
PROV FOR DEVELOPT ASSIGNED SPACE SYS PROV FOR INTERFACES WITH SPACE SYS
AND OTHER NAVY SYS CONDUCT LONG RANG STUDIES AND DEVELOPTS REPRESENT MGR
NAVSPACED AND COMNAVFLC/SYSCOM TO CDR AF SANSO PROV HGT ENGR PLANS
RELATED TO JT SVC DEVELOPMENTS COORD WITH SANSO ON PROGS OF MUTUAL INTERES

...CURRENT IMPORTANT PROGRAMS
SATELLITE INCEAN SURVEILLANCE
SHIPBOARD RESCUE EQUIPMENT
FLYING SATELLITE COMMUNICATIONS
SPACE SHUTTLE PROGRAM
DND SPACE TEST PROGRAM

...FUNCTIONS/EQUIPMENT/CAPABILITIES
INITIATE PLAN AND EXECUTE SPACE PROJECTS AS ASSIGNED
PROVIDE TECH. COST & EFFEC STUDIES & ASSOC ENG MGMT & FINANCIAL PLANS
RESPONS FOR MISSION AREAS IN WHICH USN PARTICIPATES AS MGR JT SVC EFFORT
COORD ASSUR USN SPT EFFORT TO DGD & NASA SPACE RELATED PROGRAMS
FIXAL POINT FOR NAVY SPACE EXPERIMENTS
SINGLE POINT OF CONTACT WITH USAF SANSO FOR ALL SPACE MATTERS
COORD SPT PROVIDED OTHER USN ACTIVITIES TO AREAS NSA RESPONSIBLE
SUCH OTHER RESPNS AS ASSGD BY COMPETENT AUTHORITY

INSTALLATION NAVAL SUBMARINE MEDICAL RESEARCH LABORATORY GAITHER CT

NA1726

OIC. COL R.L. SPAN

ICS. DIR. DR. C.F. GELL

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RUTGE	1.426	1.529
TOTAL PROCUREMENT	0.000	0.000
TOTAL OCM	0.000	0.000
TOTAL OTHER	0.440	0.450
TOTAL ANNUAL LAB	1.876	1.979
TOTAL INHOUSE	1.876	1.979
TOTAL INHOUSE RUTGE	1.426	1.529
ANNUAL OPERATING COST	0.045	0.056

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PDS		
MILITARY	37	8	24	23
CIVILIAN	64	12	33	33
TOTAL	103	20	47	56

ACRLS	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
6	23.325	6.441	13.818	42.886	6.000	1.002

...MISSION
TO CONDUCT BASIC AND APPLIED RESEARCH IN SUBMARINE AND DIVING MEDICINE,
CLOSED ENVIRONMENTS IN AREAS OF PHYSIOLOGICAL, MEDICAL, PSYCHOLOGICAL, VISION, AUDITION,
HUMAN FAC. ENG., DENTISTRY, EIL APPLICATIONS, TO MEET NAVY REQ. AND FURNISH
RES. AND MEDICAL ASSISTANCE TO SUB AND DIVING SHORE AND FLEET ACTIVITIES.

...CURRENT IMPORTANT PROGRAMS
1. EFFECTS OF ENVIRONMENTAL STRESS ON SUBMARINE PERS. A PROGRAM OF HABITA-
BILITY STUDIES IN THE LAB AND AT SEA 2. ESTABLISHMENT OF PHYSIOLOGICAL LIM-
ITS IN SATURATION-EXCURSION DIVING 3. LONGITUDINAL HEALTH STUDY OF SUB
AND DIVING PERS. 4. ORAL HEALTH EFFECTS OF SUB ENVIRONMENT AND PREVENTIVE
CARE 5. SELECTION AND RETENTION OF SUBMARINE AND DIVING PERSONNEL.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
HYPERBARIC CHAMBERS, HUMAN ISO PSI, ANIMAL, 300 PSI, 1000 PSI, ENVIR. CONTROL
CHAMBERS, UNDERWATER VISION TEST POOL, ANECHOIC SUITE, MOBILE DIC-ACOUSTIC
VAN, ANIMAL CARE-HOUSING FAC., GROUP ORAL MTH. RES. FAC., DENTAL OPERATORY,
MICROBIOLOGICAL ISOLATION FAC., APPARATUS-MODEL SHIP, TECH. LIB., DATA PROC., GRA-
PHIC ARTS-PHOTO LAB., PUB. REP. FAC., RADIOISOTOPE HANDLING-STORAGE FAC., DA-
TA COMM. LOGGING SYST., DIGITAL CONTR., ANALOG COMPTC., HI-PRESS. REACTION
VESSEL, BIOTELEMETRY SYST., MASS SPCS., AROMATIC ABSORP. SPMTR., GAS CHROMATO-
GRAPH, BODY PLETHYSMOGRAPH, TREADMILL, PORT. X-RAY SYST., TECHNICAL AUTOMAT.
SURGICAL SUITE, HISTO-PATHOL. LAB., BIOCHEM LABS., BIOENG. LAB., PUL. FUNC. ENER-
GY LAB., CARDIOPUL., BLOOD ANAL. LAB., COMP. AUTOMATED MATH. FAC. ENG. LABS., MULTI-
CHANNEL MAG-TAPE SYST., CLIN. CIRCUIT TV SYST., REPAIR-HI SPEED CENTRIFUGE,
NITROGEN FREEZE MTH., FLUIDIC CONTR. CONTR., AIR ION MONITORING SYST.

INSTALLATION NAVAL UNDERSEA CENTER

SAN DIEGO CA

N66001

C.O. CAPT R.M. GAUTIER

TECH. DIR. DR. W.L. B. MCLEAN

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	50.317	53.406
TOTAL PROCUREMENT	9.777	6.441
TOTAL O&M	9.069	10.561
TOTAL OTHER	8.495	7.101
TOTAL ANNUAL LAB	77.858	77.709
TOTAL INHOUSE	49.154	49.845
TOTAL INHOUSE RDCE	33.238	34.705
ANNUAL OPERATING COST	18.701	19.496

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	PHDS		
MILITARY	285	0	14	271
CIVILIAN	1645	98	682	963
TOTAL	1930	98	696	1234

ACRES	SPACE AND PROPERTY			COST (MILLION \$)	
	LAB	ADMIN	OTHER	TOTAL REAL PRCP	EQUIP
36887	277.707	51.775	612.582	942.464	48.627
				48.627	49.056

...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 U/S SURVEILLANCE INC SUSPENDED & COMED ARRAYS, FIXED DISTRIB SYS, TCE OF MAJOR SURVL SYS, ADV SONAR TECHNIQS, FLEET SONAR SYS IMPROVMT, ASM WEAPONS SYS DEV, EG ADV TORPEDO TECHNL, SUB LAUNCHED MISSILE TECHNL, FIRE CONTROL SYS, ACOUSTIC C/M MARINE BIOSYS, USN CLEAN RSCH, OCEAN ENGRG, EG UNMANNED REMOTE U/S WORK SYS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
UNDERSEA SURVL, UNDERSEA/SURFACE WEAPONS & FIRE CONTROL SYS, LNT TORPEDOES, HIGH SPEED VEHICLE & HIGH RESOLUTION SONARS, UN ACOUSTIC WARFARE SYS, REMOTE CONTROL UA SYS, OCEAN TECHNL & ENGRG, MARINE BIOSCI, MAR MAMMAL SYS, ACOUSTIC PROPAGATION (PAC/ARC), PACFLT ASM SUPPT, ARCTIC SUBMARINE SYS, RDCE LABS SDIEGO, PASADENA, HAWAII & MAR BIOSCI FACs, SEA TEST/ENGRG RANGES SAN CLEMENTE IS, MORRIS OAM, LBEACH, CALIMATTION STA, ARCTIC FIELD STA, ALASKA & ARCTIC SUB LAB & POLAR ICE SIMULATOR, TRANS-DUCER EVAL CTR ANECHOIC ALL FREQS, ASM COMPUTER SIM CTR, RSCH SHIPS & CRAFT INCL USNS SP LEE T-AG-192, DATA ACQ, PLAYBACK & ANAL FAC FOR DEV/EVAL OF SIG PROC TECHNIQS, RESCUE SYS TEST FAC & DEV/TEST FACs FOR LNT AIRDROPP TORPEDOES, UNMANNED REMOTE U/S WORK SYS EG CABLE CONTROL UN RECOVERY VEHICLE, PANORAMIC VIEW SUMMERS, UN OBSERV PLATFORMS, VAR ANGLE LAUNCHER.

INSTALLATION NAVAL UNDERWATER SYSTEMS CENTER AELPORT, R.I.

066604

C.O. CAPT N.C. MCFARLAND TECH. DIR. MR. HAROLD NASH

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT. + EST)
TOTAL ROTCF	47.684	61.575
TOTAL PROCUREMENT	28.821	37.418
TOTAL CLM	20.277	24.777
TOTAL OTHER	12.332	14.370
TOTAL ANNUAL LAB	109.114	138.140
TOTAL INHOUSE	87.643	110.853
TOTAL INHOUSE ROTCF	48.356	51.225
ANNUAL OPERATING COST	20.253	24.161

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	MM- PMF
	ACTIVIZED STRENGTH	PMBS		
MILITARY	170	2	61	137
CIVILIAN	3325	29	1450	1875
TOTAL	3503	31	1491	2012

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	ADMIN	OTHER	TOTAL	REAL PMCP	EQUIP
360	760.950	187.528	739.019	1607.506	29.015	34.646

...MISSION
TO BE THE PRINCIPLE NAVY ROTCF CTR FOR UNDERWATER COMBAT SYSTEMS.

...CURRENT IMPORTANT PROGRAMS
DEVELOPMENT OF UNDERWATER ACOUSTIC THEORY MODELS & SIMULATION TECHNIQUES
DESIGN DEVELOPMENT AND EVALUATION OF UNDERWATER WEAPON AND TARGET SYSTEM
MAINTAIN PRIMARY RCD CAPABILITY FOR SONAR SYSTEMS HULL MOUNTED AND TOWED
DESIGN/PERFORM UNDERWATER RANGING EXPERIMENTS AND EVALUATION OF DATA
INTRODUCTION OF MK68 INTO FLEET

...FUNCTIONS/EQUIPMENT/CAPABILITIES
SONAR SYSTEMS/HULLMOUNTED-TOWED/SUB COMBAT SYSTEMS INTEGRATE INCLC SUB
ANTNA SYSTEMS/UNDERWATER WEAPON SYSTEMS/EXPT MINES & SARGC SYSTEMS/UNDERWATER
TARGET SYSTEMS/UNDERWATER ACOUSTIC PROPAGATION-LANT OCN & NEW C/UNDERWATER RANGE
TECHNOLOGY/READINESS OF IN-SERV SHIPBOARD-UNDERWATER SYSTEMS/ASU SUPPORT

TRPMU TEST RANGING (FIXED & PORTABLE) SHALLOW & DEEP WATER/ASU MPH FIRE CENTRAL RE-
SEARCH & DEVELOPMENT FACILITY/ASU MPH ENCHING DEVIC RESEARCH & DEVELOPMENT FACILITY/OL-
ITY ENGINEERING EVALUATION & RELIABILITY LAB/BERMUDA RESEARCH FACILITY/ TROOP PAPERS
TEST FACILITY/ELECTRONIC FACILITY FISH ISLAND/ SYSTEM CERTIFICATION & INTEGRATION FACILITY/
ACOUSTIC MEASUREMENT & TRANSDUCER RESEARCH & EVALUATION FACILITY LAK SEMICA OODG AND & MISTM
QUIRY/NARCOSI BY TRPMU TEST RANG/ FLUTHERA INSTANTAN SHUTR FLUTHERA ISLAND NAMAH
/ATLANTIC UNDER TEST & EVALUATION CENTER/ASU RESEARCH FACILITY/ASU FACILITY/ASU FACILITY

ALLIANCE NAVAL UNIT, FORT DETRICK

FREDERICK, MD.

N60755

CAPT R.W. SHANSON

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

ITEM	1973 (ACTUAL)	1974 (ACT + EST)
RE REUSE	0.091	0.083
RE PROCUREMENT	0.000	0.000
RE CEM	0.000	0.000
RE OTHER	0.133	0.133
RE ANNUAL LAB	0.224	0.218
RE INHOUSE	0.224	0.218
RE INHOUSE REUSE	0.091	0.083
RE OPERATING COST	0.078	0.133

STAFF	AUTHORIZED STRENGTH	PERSONNEL DATA (END OF FY 1973)		TOTAL PRIME	ADM- PRIME
		TOTAL PMS	TOTAL PRIME		
STAFF	16	2	6	10	1
STAFF	1	0	0	0	1
STAFF	17	2	6	11	1

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL PROP	EQUIP
0	3.830	2.541	0.000	6.371	0.000	0.076

MISSION
 PERMIT MODERN BIO-MEDICAL RESEARCH JOINTLY WITH THE DEPT OF ARMY
 PERMIT BIOLOGICAL EFFECTS OF NON-IONIZING RADIATION
 STUDY DEFENSE AGAINST CHEMICAL AGENTS
 STUDY NON-IONIZING RADIATION HAZARDS AND DETERMINE SAFETY STANDARDS

CURRENT IMPORTANT PROGRAMS
 SEARCH AND DEVELOPMENT OF VACCINES TO INFECTIOUS AGENTS
 PREVENTION AND CONTROL OF AIRBORNE DISEASES
 STUDY IN THE BIOLOGICAL EFFECTS OF NON-IONIZING RADIATION
 DEVELOPMENT OF RADIO-IMMUNOLOGICAL ASSAY METHOD FOR ATRAPINE
 DEVELOPMENT OF DECONTAMINATION PROCEDURES FOR HOSPITAL EQUIPMENT/SPACES

FUNCTIONS/EQUIPMENT/CAPABILITIES
 RAPID IDENTIFICATION TECHNIQUES OF VIRUSES

STATION NAVAL WEAPONS CENTER

CHINA LAKE, CA.

460530

R. ADM P. MUGH

TECH. DIR. MR. LEROY NIGGS

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDT&E	101.700	122.125
TOTAL PROCUREMENT	37.536	33.951
TOTAL DEM	7.687	7.426
TOTAL OTHER	33.749	35.704
TOTAL ANNUAL LAB	100.672	150.000
TOTAL INHOUSE	114.520	121.030
TOTAL INHOUSE RDT&E	62.349	70.040
TOTAL OPERATING COST	44.654	46.654

	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	PHDS		
LITARY	477	0	75	602
CIVILIAN	4412	137	1700	2704
TOTAL	5000	145	1783	3306

	SPACE AND PROPERTY			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
03019	722.689	101.001	5701.005	6405.495	224.090	81.730

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

EQUIPMENT IMPORTANT PROGRAMS
1. ADVANCED SHORT RANGE AIR - TO - AIR MISSILE SYSTEM.
2. HIGH SPEED ANTI-RADIATION MISSILE.
3. FUEL AIR EXPLOSIVE.
4. AIR-TO-SURFACE MISSILE SYSTEM WITH STAND-OFF CAPABILITY.
5. GUIDED, AIR-LAUNCHED INTERCEPTOR MISSILE.

FUNCTIONS/EQUIPMENT/CAPABILITIES
SYSTEMS AND TECHNOLOGIES IN SUCH AREAS AS: STRIKE, AIRCRAFT/WEAPON
SYSTEMS AND CONCEPT DEVELOPMENT; AIR-LAUNCHED WEAPONS AND ASSOCIATED
SYSTEMS; TACTICAL MISSILES (ANTI-SHIP CRUISE MISSILES AND POINT
DEFENSE MISSILES); PROPULSION, GUIDANCE AND CONTROL, WARHEAD, FUSE, AND
LAUNCHER AND HANDLING EQUIPMENT SUBSYSTEMS FOR THE AFOREMENTIONED.
SYSTEMS STRIKE WARFARE COUNTERMEASURES AND WEATHER MODIFICATION.
FACILITIES INCLUDE: MICHELSON LABORATORY; ELECTRONIC WARFARE RANGE;
LEAD STATE DEVICES LABORATORY; FUEL TEST RANGE; PROPULSION RESEARCH
LABORATORY; MICROELECTRONICS FACILITY; EXPLOSIVES RESEARCH AND
DEVELOPMENT FACILITY; GROUND AND AIRCRAFT RANGE; EXTERIOR AND TERMINAL
BALLISTICS RANGE; NAVAL AIR FACILITY; AIRCRAFT SURVIVABILITY FACILITY
PERSONNEL TEST TRACK; MICROWAVE ANEMOMETER FACILITIES.

INSTALLATION NAVAL WEAPONS EVALUATION FACILITY

ALBUQUERQUE, N.M.

N62646

C.O. CAPT R.M. STOLPF

TECH. DIR. MR. F. K. BASHNEP

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	0.996	1.082
TOTAL PROCUREMENT	0.732	0.772
TOTAL OCM	0.886	0.934
TOTAL OTHER	2.771	2.668
TOTAL ANNUAL LAB	5.385	5.456
TOTAL INHOUSE	5.385	5.456
TOTAL INHOUSE ROTCE	0.996	1.082
ANNUAL OPERATING COST	0.696	0.681

PERSONNEL DATA (END OF FY 1973)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PMDS	TOTAL PROF	NON- PROF
MILITARY	174	0	39	155
CIVILIAN	98	1	42	56
TOTAL	272	1	81	211

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)	COST (MILLION \$)				
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
7	0.400	93.592	98.196	192.188	7.400	0.450

...MISSION
TEST-EVALUATE-SUPPORT NUCLEAR/DESIGNATED NON-NUC WPNs/WPN SYSTEMS. ADVISE CNO IN PROMOTING-MONITORING NUC WPN SAFETY. PLAN-CONDUCT NUC WPA SYSTEM SAFETY STUDIES/RVKS. ASSIST BD OF INSP/SURVEY IN EVAL OF NUC WFN/AIRCRAFT /SHIPS. PROVIDE A/C CHECKLISTS/LOG MAN FOR NUC/DESIGNATED NON-NUC WPNs.

...CURRENT IMPORTANT PROGRAMS
PREPARING CHECKLISTS/LOG MANUALS FOR F-14 A/C AND HARRIER WFN SYSTEM. CONDUCTING EVAL OF ATE COMPUTER DELIVERY OF NUC WPNs. CONDUCTING FAULT TREE SAFETY ANALYSIS OF MK48 TORPEDO. EVALUATING NUC SAFETY OF ASROC WPN SYSTEM ON DD963 CLASS SHIPS. PARTICIPATING IN EARLY DEVELOPMENT OF XMS17 AND XMS73 NUC PROJECTILES, SM-2 AAM MISSILE, AND MK400 AND MK500 FMS.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
CONDUCT OF NAVY NUC WPNs EVALUATION, TEST, VULNERABILITY, COMPATIBILITY AND SAFETY PROGRAMS. SAFETY STUDIES AND RVMS/FEASIBILITY STUDIES FOR FUTURE SYSTEMS. SAFETY SURVEYS AND SYMPOSIA. PREPARATION OF NUC WPN: A/C CHECKLISTS AND LOG MANUALS. MILITARY CHARACTERISTICS AND STOCKPILE-TO-TARGET SEQUENCES. SAFETY ANALYSES. NUC-ELECT INTERFACE DNGS. EMERGENCY DESTRUCT PROCEDURES. NUC SAFETY PERIODICAL. PARTICIPATION IN NUC WPN: BD OF INSP AND SURVEY TRIALS OF A/C AND SHIPS. EFFECTS TESTS. PROTECTIVE EQUIPMENT PROGRAM. DEV OF A/C BOUS AND SUSPENSION-RELEASE-AMAC EQUIP. PHASE I AND II STUDIES. PROVIDE FLIGHT SERVICE TO THE AEC. SUPPORT TO THE NED-JANPS. ENGINEERING-TECHNICAL-FIELD TO SYSTEM COMMANDS/PROJECT OFFICES. A/C AND INMG EQUIPMENT MAINTENANCE. NUC WPN LIAISON TO AEC-DNA-CONTRACTORS-FLEETS-FIELD ACTIVITIES.

STATION NAVAL WEAPONS LABORATORY

CHANGREN, VA.

NO0178

APT N. G. WEEKS JR.

TECH. DIR. MR. JAMES E. COLVARD

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
RDICE	37.870	51.028
PROCUREMENT	33.889	25.190
CCM	11.444	11.090
OTHER	13.041	13.371
ANNUAL LAB	96.464	100.679
INHOUSE	77.453	75.430
INHOUSE RDICE	30.570	41.433
L OPERATING COST	12.167	14.874

	PERSUNNEL DATA (END OF FY 1973)	TOTAL	NON-PROF
INEL	AUTHORIZED STRENGTH	TOTAL	PROF
ARY	84	2	41
IAH	2914	77	1135
	3000	79	1176

	SPACE AND PROPERTY	COST (MILLION \$)
ES	SPACE (THOUSANDS OF SQUARE FEET)	TOTAL REAL PRCP EQUIP
20	LAB ADMIN OTHER	1375.265 103.050 35.162

SSION
ICTS A PROGRAM OF WARFARE ANALYSIS, RESEARCH, DEVELOPMENT, TEST,
ATION, SYSTEMS INTEGRATION, AND FLEET ENGINEERING SUPPORT IN NAVAL
INS SYSTEMS, PRINCIPALLY FOR SURFACE WARFARE, AND CONDUCTS SUPPORTIVE
IAMS IN OTHER WARFARE AND FIELDS OF TECHNOLOGY.

IRRENT IMPORTANT PROGRAMS
IRED RANGE GUIDED PROJECTILE AND AMMUNITION PROGRAMS
IROMAGNETIC WARFARE SYSTEM
INCE DATA FOR POLARIS/POSEIDON/U.S.S./FBM SYSTEMS PROGRAMS
IRED GUNS/WEAPONS SYSTEMS
IAL FIRE CONTROL SOFTWARE/HARDWARE PROGRAMS

INCTIONS/EQUIPMENT/CAPABILITIES
CAPABILITIES SUPPORT WORK IN TACTICAL, STRATEGIC, AMPHIBIOUS AND MINE
RE ANALYSIS, SYSTEMS EFFECTIVENESS STUDIES, SATELLITE GEODESY
IAL FIRE CONTROL SYSTEMS, COMPUTER SCIENCES, RDICE IN WARFARE AND
ICE LAUNCHED WEAPONS/ELECTROMAGNETIC WARFARE/MISSILE GUIDANCE
NS CONTRA, MATERIALS AND INSTRUMENTATION RESEARCH/WEAPONS SAFETY
L FABRICATING/PRODUCT ENGINEERING/ELECTRONIC AND APPLIED PHYSICS
INTERIOR, EXTERIOR AND TERMINAL BALLISTICS/WEAPONS AND MUNITIONS
LITIES INCLUDE WARFARE ANALYSIS CENTER AND COMPUTATION FAC
RDL PROGRAM ASSURANCE FAC/FBM DISC PACK PRODUCTION FAC/EXPLOSIVE
CTS EVALUATION COMPLEX/CHEN/BIO DEFENSE LAB COMPLEX/SPECIAL EFFECTS
FACEGUNNERY AND MISSILE RANGE COMPLEX/NAVAL GUN EVAL FAC/EPPASS
INT FAC/ELECTROMAGNETIC VULNERABILITY TEST FAC.

LATION NAVY MEDICAL NEUROPSYCHIATRIC RESEARCH UNIT SAN DIEGO, CA

463116

DPT R.J. ARTHUR

SCI. DIR. DR. M. WILKINS

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
RDCE	1.347	1.517
PROCIUREMENT	0.000	0.000
DCM	0.000	0.000
OTHER	0.415	0.459
ANNUAL LAB	1.762	1.976
INHOUSE	1.677	1.891
INHOUSE RDCE	1.347	1.517
OPERATING COST	0.158	0.170

	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL PHDS		
INEL	20	11	14	6
IRV	58	9	28	30
IAN	78	20	42	36

	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
ES	11.177	4.500	0.000	15.677	0.000	0.354

SSION
CT NEUROPSYCHIATRY RESEARCH AS APPLIES TO NAVAL SERVICE
IP STUDY PLAN ON REPATRIATED PRISONERS OF WAR

PRESENT IMPORTANT PROGRAMS
PRESS AND HEART DISEASE IN NAVY OFFICERS AND PETTY OFFICERS
S TOLERANCE DIFFERENCES AMONG NAVAL PERSONNEL
IP COMPUTERIZED PSYCHIATRIC DATA SYSTEM FOR NAVAL SERVICE
LINES FOR PSYCHIATRIC TREATMENT AND DISPOSITION OF NAVAL PERSONNEL
CAL FITNESS STANDARDS PREDICTING MILITARY EFFECTIVENESS

INCTIONS/EQUIPMENT/CAPABILITIES
SIS OF UNDERWATER PSYCHOPHYSIO PROGRAMS AND TASK
ETE EEG COMBINED USE FOR SINGLE SEIZURE STUDY AND SLEEP DEPRIVATION
NE EEG RECORDING CAPABILITIES

ION NAVY PERSONNEL RESEARCH & DEVELOPMENT CENTER SAN DIEGO, CA

N68221

F.L. NELSON

TECH. DIR. DR. J.J. REGAN

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT - EST)
LE	4.200	8.843
DUREMENT	0.140	0.000
	0.977	0.301
ER	2.076	0.653
UAL LAB	9.393	9.797
DUSE	8.447	7.147
DUSE ROTKE	5.687	4.343
ERATING COST	1.233	0.804

PERSONNEL DATA (END OF FY 1973)

AUTHORIZED	TOTAL	NON-PROF
STRENGTH	PHDS	PROF
33	0	34
289	45	151
322	45	185

SPACE AND PROPERTY

SPACE AND PROPERTY			COST (MILLION \$)		
SPACE (THOUSANDS OF SQUARE FEET)					
LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
47.300	4.900	0.000	52.200	0.210	0.295

ION
L NAVY ROTKE ORGANIZATION FOR ADVANCING AND APPLYING SCIENCES AND
DIES REQUIRED TO SUPPORT OPERATIONAL AND RESEARCH REQUIREMENTS
HER, PERSONNEL, EDUCATION, TRAINING, COORDINATION ORGANIZATION
ROTE CONDUCTED IN SUPPORT OF THESE REQUIREMENTS.

NT IMPORTANT PROGRAMS
MANAGEMENT EFFECTIVENESS
N AND TRAINING DEVELOPMENT

L TRAINING
L MANAGEMENT
IENT RESEARCH AND EXPLORATORY DEVELOPMENT IN PERSONNEL AND TRAIN.

IONS/EQUIPMENT/CAPABILITIES
I DATA PROCESSING COMPUTER SYSTEM WITH REMITE JOB ENTRY CAPABILI-
I IBM 360/65 LOCATED AT THE NAVAL ELECTRONICS LABORATORY CENTER.

SCANNER
ENTAL TESTING AND TRAINING FACILITIES

/ STATIONS
IX GRAPHIC/TERMINALS INTERFACING TO AN IBM 360/65 COMPUTER LOCATED
DIEGO STATE UNIVERSITY, PLANNED TERMINAL INSTALLATION IN 3RD
FY1974.

STATION NAVY TOXICOLOGY UNIT, NMHC

BE THIESCA, MD.

NO750A

P. L. J. JENKINS JR.

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
T&E	0.415	0.355
ACQUISITION	0.000	0.000
M	0.000	0.000
OPER	0.164	0.179
INITIAL LAB	0.979	0.574
HOUSE	0.579	0.574
HOUSE ROTGE	0.415	0.355
OPERATING COST	0.000	0.000

PERSONNEL DATA (END OF FY 1973)			
AUTHORIZED	TOTAL	PROF	NON-PROF
STRENGTH	PHDS		
16	1	7	9
7	0	2	5
23	1	9	14

SPACE AND PROPERTY			COST (MILLION \$)		
SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	REAL PROP	EQUIP
LAB	ADMIN	OTHER			
2.260	0.140	2.037	4.437	0.197	0.528

CH
TITLE AND TO PROVIDE TECHNICAL AND SPECIALIZED SERVICES IN THE
OPERATIONAL TOXICOLOGY AND HEALTH ENGINEERING AS RELATED TO
PROBLEMS ENCOUNTERED ABOARD SHIPS AND IN THE DESIGN AND USE OF
INS

41 IMPORTANT PROGRAMS

INGESTION TOXICOLOGY OF RDX
IL TOXICOLOGY
IN TOXICOLOGY OF JET FUELS AND SMOKE ABATERS
IC TOXICITY OF BREATHING GAS MIXTURES
IV OF CARBON DIOXIDE SCRUBBERS

IONS/EQUIPMENT/CAPABILITIES

IC AND EQUIPMENT CAPABILITY CONSISTS OF 6-2 CU METER EXPOSURE
150 & 1000 PSIG CHAMBERS WELL EQUIPPED CHEMISTRY BIOCHEMISTRY
BY PATHOLOGY PHARMACOLOGY & INSTRUMENTATION LABORATORIES.
CAPABILITY IN ENVIRONMENTAL TOXICOLOGY OF INHALED & INGESTED
INTS OF NAVAL ORIGIN & DEVELOPMENT OF EXPOSURE CRITERIA.

ICN PACIFIC MISSILE RANGE

POINT MUGU, CA.

N61756

W. M. HARNISH

TECH. DIR. MR. W.L. MILLER

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
GE	66.951	66.840
CONCREMENT	2.151	2.802
I	7.024	6.930
IER	15.452	14.245
NUAL LAB	91.578	90.817
HOUSE	58.061	57.317
HOUSE ROTGE	43.133	43.151
PERATING CUST	23.585	23.899

PERSONNEL DATA (END OF FY 1973)	TOTAL	TOTAL	NON-PROF
AUTHORIZED STRENGTH	PHDS	PROF	
36	3	86	600
2883	5	448	2435
3569	8	536	3035

SPACE AND PROPERTY	TOTAL	TOTAL	COST (MILLION \$)
SPACE (THOUSANDS OF SQUARE FEET)			
LAB ADMIN OTHER			
93.463 271.883 1397.228	1762.576	146.900	174.300

IN SUPPORT FOR DOD AND OTHER DESIGNATED GOVT AGENCIES FOR LAUNCHING & COLLECTION DATA IN GUIDED MISSILE, SATELLITE & SPACE VEHICLE DEVELOPMENT, EVALUATION & FLEET TRAINING.
NATL RANGE FACILITIES AT PT MUGU CA/SAN NICOLAS IS/KAUAI, HAWAII

BY IMPORTANT PROGRAMS
PROXY OF 293 NATL RNC PROGRAMS-F14, F15, AGILE, HARPOON, IRIDENT C4 UNDERWATER TEST & EVAL RANGE IN HAWAIIAN AREA FOR ASW WPAS TESTS EXTENDED AREA TRACKING SYS TO EXPAND FLT TRNG SUPPORT CAP CONUS INTEGRATED TARGET CONTROL (ITCS) FOR CONUS SITES IN COMBAT MANEUVERING TEST SYSTEMS (ACHTS) FOR TACTICAL WPM EVAL

IONS/EQUIPMENT/CAPABILITIES
UMENTATION SHIP USNS WHEELING AGM-8 AND 4 INSTR AIRCRAFT-EC121K UNDERWATER RANGE AT KAUAI, HAWAII PROVIDE TRAJ DATA, TELEMETRY, CONTROL/DESTRUCT, COMMUNICATIONS, DATA TRANSMISSION AND DISPLAY KING & CONTRIL, DATA PROCESSING, ITEM RECOVERY AT SEA, TECHNICAL (CALIB/REPAIR/ISTL/MAINT) METRO & OCEANO SVCS, FREQ COORDIN. DS, LOGISTICS & BASE SUPPORT, MAJIOR OF CONTROL SITES AT PT MUGU & SANDS, DATA PROCESSING CENTER AT PT MUGU PROBE LAUNCH COMPLEX AT AND SAN NICOLAS AND KAUAI UNDERWATER RANGE IS 5X10 NM WITH 37 NIES AT 400-1000 FATHOMS, INSTRUMENTED AREAS: CONUS-100X200NM/HAW 100NM, WESTERN AREA FREQ COORDINATOR (JCS) AT CONUS AND HAW AREA. OSTIC IMPACT LOCATION ARRAY OAHU/MIDWAY/MAKE.

INSTALLATION AEROPROPULSION LABORATORY

WPAFB, OH.

0F0602

C.O. COL. W.S. MOE JR.

TECH. DIR. MR. M.P. DUNHAM

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	54.539	55.250
TOTAL PROCUREMENT	0.00	0.000
TOTAL CGM	0.000	0.000
TOTAL OTHER	0.929	7.709
TOTAL ANNUAL LAB	55.468	62.959
TOTAL INHOUSE	9.454	9.61
TOTAL INHOUSE ROTCE	8.525	8.824
ANNUAL OPERATING COST	0.306	0.266

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON- PROF
MILITARY	49	10	42	7
CIVILIAN	355	14	180	175
TOTAL	404	24	222	182

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQ. FEET)	LAB	ADMIN	TOTAL	REAL PROP	EQUIP
40	219.863	39.010	353.747	654.620	12.261	76.189

...MISSION
PLAN, FORMULATE AND EXECUTE EXPLORATORY, ADVANCED AND PROTOTYPE
DEVELOPMENT PROGRAMS IN AIR-BREATHING PROPULSION, AEROSPACE
POWER GENERATION AND DISTRIBUTION, LASER AERODYNAMICS AND
AIRCRAFT FUELS, LUBRICANTS AND FIRE PROTECTION.

...CURRENT IMPORTANT PROGRAMS
YJ101 PROTOTYPE ENGINE FOR THE YF-17 PROTOTYPE FIGHTER
ADVANCED TURBOFAN ENGINE TECHNOLOGY DEMONSTRATION
HIGH ENERGY DENSITY FUELS FOR MISSILE PROPULSION
LASER AERODYNAMICS AND AIRBORNE HIGH POWER FOR LASER SYSTEMS
INTEGRAL ROCKET/RAMJET POWERED MULTI-PURPOSE MISSILE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
AFAPLS MAJOR FACILITIES/EQUIPMENT CONSIST OF: TURBINE ENGINE CONTROL
TEST FACILITY, BATTERY DEVELOPMENT & TEST FAC, PHD GENERATOR, ELECTRIC
GEAR PIGS, SEAL TEST RIGS, BEARING RIGS, FUEL HANDLING FAC, FIRE DETEC-
TION LAB, FIRE RESEARCH LAB, COKER LAB, FUEL ANALYSIS LAB, COMBUSTION
FAC, SLASH AND VIBRATION TABLE, ROTOR TEST FAC, & SEA LEVEL TEST STANDS
TO 10,000 LB THRUST, 2 TURBINE ENGINE ALTITUDE CELLS TO 3,000 LB THRUST,
MACH 1.5, 50,000 FT, 4 PROPELLER WIND RIGS TO 30,000 HP, GYROSCOPIC
TEST CHAMBER, RAMJET COMPONENT LAB, SHOCK TUBE, ELECTRO AERODYNAMIC
LASER, HIGH TEMPERATURE TURBINE COMPONENT TEST FAC, AXIAL FLOW COM-
PRESSION FAC, SAND EROSION RIG, CENTRAL DATA ACQUISITION SYS, AIRCRAFT
SOLID STATE ELECTRICAL POWER FAC WITH THREE 350 HP DRIVE SOURCES AND TWO
AT AIRCRAFT ELECTRICAL SIMULATIONS, VACUUM CHAMBERS, SOLAR SIMULATORS.

INSTALLATION AEROSPACE RESEARCH LABORATORIES

WPAFB, OH

DF0121

C.O. COL. R.W. MILLING

CH. SCI. DR. HANS J.P. VAN CHAEM

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTE	11.370	10.487
TOTAL PROCUREMENT	0.000	0.000
TOTAL OCM	0.000	0.000
TOTAL OTHER	1.174	1.209
TOTAL ANNUAL LAB	12.540	11.696
TOTAL INHOUSE	7.475	7.471
TOTAL INHOUSE RDTE	6.505	6.262
ANNUAL OPERATING COST	1.400	1.318

PERSONNEL	PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED STRENGTH	TOTAL PHDS	TOTAL PROF	NON- PROF
MILITARY	59	19	59	10
CIVILIAN	174	43	82	92
TOTAL	233	62	141	102

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
34	156.873	49.837	34.719	221.429	13.510	11.350

...MISSION
PLANS AND EXECUTES USAF RESEARCH PROGRAMS IN THE PHYSICAL AND ENGINEERING SCIENCES. PROVIDES TECHNICAL OR MANAGEMENT ASSISTANCE IN SUPPORT OF STUDIES, ANALYSES, RESCH. AND DEVELOPMENT PLANNING ACTIVITIES, ACQUISITION, TEST, EVALUATION AND OPERATION OF AEROSPACE SYS. AND EQUIPMENT.

...CURRENT IMPORTANT PROGRAMS
INVEST OF EXCIT, IONIZ, ENERG TRANSF, PROC PERT LASERS, PLAS, ATOMS PHENOM
INTEG RESC ON OPT, MAG-OPT, ELEC-OPT, ELECTRON PROP OF SELECT ELEC MATS
STUDIES OF GAS-SOLID INTERFACE REACTS AND INT PROCESS IN SOLID MATERIALS
STUD IN MATH SCIENCES V AT RELATE TO RELIABIL, MAINTAINABIL, COST REDUCT
INVESTIGATION OF FLUID DYNAMIC ENERGY AND MOMENTUM EXCHANGE PROCESSES.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
AND 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 FACILITIES/CAPABILITIES: GLASS SHOP, MACHINE SHOP AND 15,000 VOLT, TECHNICAL LIBRARY, H3-4 H2-RE AND 4 HYPERSONIC BLOW-DOWN TUNNELS, FLOWING GAS SUPERSONIC COMBUSTION RIG, SUPERSONIC COMPRESSOR, 1 MEV VAN DE GRAFF AND ION-IMPLANTATION ACCELERATORS, LPR, 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 ARMAMENT DEVELOPMENT AND TEST CENTER EGLIN AFB, FL.

DF0916

C.O. MG H.B. KUCHEPAN JR.

CH. SCI. MR. T.M. BALENITE

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 ACTUAL	1974 ACT + EST
TOTAL RDCE	114.832	122.762
TOTAL PROCUREMENT	258.175	229.400
TOTAL OCM	2.977	2.917
TOTAL OTHER	62.156	57.703
TOTAL ANNUAL LAB	418.140	412.282
TOTAL INHOUSE	109.524	113.976
TOTAL INHOUSE RDCE	97.391	61.740
ANNUAL OPERATING CGST	22.800	23.000

PERSONNEL	PERSONNEL DATA		END OF FY 1973		MM- PROP
	AUTHORIZED	STRENGTH	TOTAL	PROF	
MILITARY	4367	12	1363	1004	
CIVILIAN	2992	8	687	2309	
TOTAL	7359	20	2050	2309	

ACRFS	SPACE AND PROPERTY			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
464740	384.766	890.832	929.034	1054.532	217.741	233.023

...MISSION
EXPL ADV ENGR DEV AND TEST EVAL INITIAL ACQUISITION OF NONNUCLEAR MUNTS
CONDUCTS TESTS & EVALUATIONS IN FOLLOWING AREAS ENM AFVET COM/CONTROL
INTRUSION/INTERDICTION, ELECTRO/OPTICAL, CLIMATIC SIMULATION, VERTICAL
PROBES, PERFORMS COMBAT TECH APPL, SUPPORTS TESTS OF OTHER AGENCIES.

...CURRENT IMPORTANT PROGRAMS
MODULAR WEAPON SYSTEMS
GLIDE BOMB PROGRAM
AIRFIELD ATTACK MUNITION
AIR DELIVERED MINES
DEFENSE SUPPRESSION STAND-OFF MISSILE

...FUNCTIONS/EQUIPMENT/CAPABILITIES
A CAPABILITY OF SCIENTIFIC/ENGINEERING PERSONNEL AND LABORATORIES FOR
EXPL ADV & ENGR DEV IN THE AREA OF NONNUCLEAR MUNITIONS. ARMAMENT SYS
TEST ENVIRONMENT COVERING 720 SQ MI WITH LARGE ADJACENT WATER AREA.
HAS 20 TEST AREAS WITH INSTRUMENTED FACILITIES INCLUDING PRECISION
TRACKING RADARS AND PHOTO-OPTICS. IS USED FOR MUNITIONS TEST AND
ELECTROMAGNETIC TEST ENVIRONMENT. IS AN INSTRUMENTED COMPLEX OF THREAT
SYSTEMS FOR EVALUATION OF ENM DEVICES AND TECHNIQUES. WEAPONS
EFFECTIVENESS AND SYS TEST ENVIRONMENT PROVIDES A REALISTIC ENVIRONMENT
FOR TESTING A MUNTS SYS AGAINST AN ACTIVE DEFENSE SYSTEM. A CLIMATIC LAB
CAPABLE OF TESTING COMPLETE MUNTS SYSTEMS. A PROBE LAUNCH FACILITY FOR
LAUNCHING SCIENTIFIC PROBES. A COMPUTER SCIENCES LAB. A PHYSICAL
SCIENCES LAB. A PHOTO LAB. AN INSTRUMENTATION/DESIGN/FAB FACILITY.

INSTALLATION ARNOLD ENGINEERING DEVELOPMENT CENTER TULLAHOMA, TN.
C.O. COL. W.E. PROTSMAN CH. SCI. MR. D.R. EASTMAN

DF0910

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RD&E	47.340	66.342
TOTAL PROCUREMENT	4.303	2.121
TOTAL OCM	1.260	0.087
TOTAL OTHER	4.231	8.441
TOTAL ANNUAL LAB	57.134	76.991
TOTAL INHOUSE	14.124	60.774
TOTAL INHOUSE RD&E	12.617	59.148
ANNUAL OPERATING COST	0.000	0.000

PERSONNEL DATA (END OF FY 1973)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PMDS	TOTAL PROF	NON- PROF
MILITARY	83	5	54	29
CIVILIAN	151	2	48	103
TOTAL	234	7	102	132

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)	COST (MILLION \$)
	LAB ADMIN OTHER	TOTAL REAL PRCP EQUIP
40118	1149.177 201.411 532.216	1882.804 343.675 60.175

...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 F-15 ENG DEVELOPMENT TESTS AND BEGAN F-15 STORE COMPAT TESTS
CONTINUED A-1 ENGINE DEVELOPMENT AND AERODYNAMIC PERFORMANCE TESTING
BEGAN A-10 ENGINE DEVELOPMENT AND GUN DEVELOPMENT TESTING
CONTINUED EXTENSIVE MINUTEMAN PSRE, POA AND AGING AND SURVEILLANCE TESTS
OTHER SIGNIF TESTS: TRIDENT, ABRES, SPACE SHUTTLE, BIRD IMPACT, SENSOR PERF.

...FUNCTIONS/EQUIPMENT/CAPABILITIES
AEDC IS COMPRISED OF ABOUT 34 MAJOR TEST UNITS HAVING A CAPITAL VALUE OF OVER \$400 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 1.5 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 TEST FACILITIES HAVE SUPPORTED THE DEVELOPMENT AND QUALIFICATION OF EVERY MAJOR AIRCRAFT, MISSILE AND SPACE SYSTEM DEVELOPED 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.

DF 0303

C.O. COL. M.M. BONNER

CH. SCI. MR. R.J. DORAN

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDT&F	103.636	98.792
TOTAL PROCUREMENT	0.000	0.000
TOTAL GCM	0.000	0.000
TOTAL OTHER	2.300	2.926
TOTAL ANNUAL LAB	105.936	101.718
TOTAL INHOUSE	14.174	15.999
TOTAL INHOUSE RDT&F	11.874	13.073
ANNUAL OPERATING COST	3.607	4.610

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	PHDS		
MILITARY	195	18	133	62
CIVILIAN	905	32	339	566
TOTAL	1100	50	472	628

ACRES	SPACE AND PROPERTY			COST (MILLION \$)			
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
264	214.448	12.152	406.699	633.299	21.451	39.269	

...MISSION
MAINTAINS A BASE OF AVIONICS TECH DEVELOPS & DEMONSTRATES COST-EFFECTIVE AVIONIC SYSTEMS TO IMPROVE OPERATIONAL CAPABILITIES IN NAV, COMP, EW, RECON, SURVEILLANCE & GPM DEL. & PROVIDE SYS SUPPORT TO AFSCALL USAF OPERATIONAL 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
LASER COMMUNICATIONS FOR SPACE APPLICATIONS
TECHNIQUES FOR TGT DETECTION, TRACKING, AND WEAPON DELIVERY

...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, AFPA, & 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. PERFORMS CONCEPTUAL PLANNING, ANALYSIS & STUDIES MAJOR FAC/EQUIP ARE-ELECTRO OPTICAL SURVEILLANCE FAC WITH 40 IN OPERATURE-DYNAMIC ANALYZER FOR ADVANCED RECON SYSTEMS-LASER RESEARCH FAC-SOLID STATE INTEGRATED CIRCUITS LAB ELECTROMAGNETIC TECHS COUNTERMEASURES LAB INCL ECP GCM SIMULATION FAC. COMMUNICATIONS SYSTEMS EVALUATION LAB.

INSTALLATION CAMBRIDGE RESEARCH LABORATORY

L.G. FANCOM FLD, MS.

DFC124

C.O. COL. W.K. MORAN JR.

CH. SCI. DR. J.N. HOWARD

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	54.350	49.587
TOTAL PROCUREMENT	0.544	0.685
TOTAL CEM	0.001	0.001
TOTAL OTHER	2.058	2.050
TOTAL ANNUAL LAB	56.953	52.323
TOTAL INHOUSE	35.563	34.018
TOTAL INHOUSE RDCE	33.504	31.967
ANNUAL OPERATING COST	7.454	7.454

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	NON- PROF
	AUTHORIZED STRENGTH	TOTAL FMS		
MILITARY	155	11	60	95
CIVILIAN	978	166	588	390
TOTAL	1133	177	648	485

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			TOTAL REAL PROP	COST (MILLION \$) EQUIP
	LAB	ADMIN	OTHER		
661	609.438	19.708	125.916	755.062	20.413

...MISSION
CONDUCTS AND SUPPORTS AN 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 SIMILAR PHYSICS, IN EM PROPAGATION, AND
IN ELECTRONICS, ENERGY CONVERSION, SOLID STATE AND INFORMATION
SCIENCES RELATING TO AIR FORCE NEEDS. EQUIPMENT AND FACILITIES
INCLUDE RADIO AND OPTICAL TELESCOPES FOR SOLAR RESEARCH; S, X, AND L
BAND RADARS AND A 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 ALL FOR ELECTRONICS RELATED PROGRAMS, AND A CDC 6600
COMPUTATIONAL NETWORK.

INSTALLATION FLIGHT DYNAMICS LABORATORY

WPAFB, OH.

DF0604

C. (L) CIL. C. A. SCOLATTE

CH. SCI. DR. D. ZUNARS

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT) + EST
TOTAL ROTCE	51.474	46.467
TOTAL PROCUREMENT	0.000	0.000
TOTAL OCM	0.786	0.000
TOTAL OTHER	6.140	2.661
TOTAL ANNUAL LAB	58.400	49.128
TOTAL INHOUSE	26.508	27.498
TOTAL INHOUSE ROTCE	24.117	24.837
ANNUAL OPERATING COST	4.520	4.746

PERSONNEL	PERSONNEL DATA (END OF FY 1972)		TOTAL	NON-PROF
	AUTHORIZED	STRENGTH		
MILITARY	210	21	426	84
CIVILIAN	967	35	517	450
TOTAL	1177	56	943	534

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN	OTHER	TOTAL	REAL PRCP
90	541.130	60.600	26.000	627.734	22.705	59.696

...MISSION
PLAN AND EXECUTE USAF RESEARCH, EXPLORATORY, AND ADVANCED DEV PROGRAMS FOR AIRSPACE FLT VEHICLE STRUCTURES, FLT MECHANICS, FLT CONTROL, VEHICLE DYN AND VEHICLE EQUIP. LEAD AFSC LAB FOR V/STOL AND RPV TECH. AFSC FCAL PT FOR NONNUCLEAR SURVIVABILITY PROG. EVALUATE CONTRACTOR I R AND C PROG.

...CURRENT IMPORTANT PROGRAMS
TRANSONIC AIRCRAFT TECHNOLOGY
CONTROL CONFIGURED VEHICLE
AIP CUSHION LANDING SYSTEM
ADVANCED FIGHTER TECHNOLOGY INTEGRATION
ADVANCED METALLIC STRUCTURES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
SUMM 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 MAN'S PERFORMANCE ON SPECIFIC DISPLAY AND CONTROL SYSTEMS. SONIC FATIGUE FACILITY PROVIDES HIGH INTENSITY SOUND ENVIRONMENTS TO INVESTIGATE ACOUSTIC FATIGUE STRENGTHS OF FULL SIZE FLT VEHICLE SUBASSEMBLIES COMPONENTS ELECTRONIC EQUIPMENT AND TRANSDUCERS.

EDWARDS FLIGHT TEST CENTER

EDWARDS AFB, CA.

OF0914

DR. M.L. LANE

CH. SCI. COL. R.C. LATHROP

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT - EST)
RTCE	48.091	48.477
PROCUREMENT	0.000	0.000
QCM	1.010	1.143
OTHER	29.760	31.000
ANNUAL LAB	70.001	61.500
INHOUSE	66.777	71.693
INHOUSE RTCE	36.291	38.977
OPERATING COST	11.223	10.013

	PERSONNEL DATA (END OF FY 1973)			
UNNEL	AUTHORIZED	TOTAL	TOTAL	NON-
	STRENGTH	PMDS	PROF	PROF
NAVY	3256	45	410	2830
LIAM	1751	6	340	1403
A.	5007	51	766	4241

	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)			TOTAL	REAL PRCP	EQUIP
	LAB	ADMIN	OTHER			
1973	551.042	313.342	6439.061	7303.095	100.672	104.001

MISSION
 HITS/SUPPORTS TESTS OF MANNED/UNMANNED AEROSPACE VEH. CONDUCTS
 INT EVAL/RECOV OF AEROSPACE RSCH VEH AND DEVEL TESTING OF AERODYNAMIC
 EVALUATIONS. DFR USAF TEST PILOT SCH. SUPPORTS USAF, DOD, CIV, FOREIGN,
 CONTRACTOR TEST AND EVALUATION PROGRAMS.

CURRENT IMPORTANT PROGRAMS
 B-111 (SYS/PRG A/D/E/F-3244 A-129A) DTCE
 A FOLLOI-ON DTCE
 S DTCE/DTCE
 FLY-OFF EVALUATION
 NE/REMOITELY PILOTEO VEH AQH-34M/U/M SYSTEMS DEVELOPMENT

FUNCTIONS/EQUIPMENT/CAPABILITIES
 INITIAL FACILITIES AND EQUIPMENT ARE AVAILABLE TO PROVIDE A COMPLETE
 RANGE OF SERVICES FOR CONDUCTING DTCE FLY TESTS OF AERONAUTICAL SYS, TO
 HMKY FLIGHT EVALUATION AND RECOVERY/RETRIEVAL OF RESEARCH VEHICLES, &
 TRAIN TEST PILOTS, ENGINEERING LABS, REALTIME INSTRUMENTED RANGES,
 A COLLECTION, REDUCTION AND ANALYSIS LABS, PHOTO/TV,ACFT/ENGINE MAINT
 TEST EQUIP, ELECTRONICS SHOPS, AND A COMPLEX OF DRY LAKES FOR RECOVERY
 & EMERGENCY LANDINGS PROVIDES VARIOUS SUPPORT FOR ALL TEST PROGRAMS.
 THE MAJIN FACILITIES ARE: PRECISION IMPACT, GUNNERY/BOMBING, INFRA RED
 ATD RESOLUTION, RADAR FIDELITY, TACTICAL & OPTICAL RANGES, CONTRACTOR
 SIGNED HANGERS, SHOPS, LABS, OFFICE SPACE, ENGINEERING SIMULATION LAB,
 D MUNITICS STORAGE AND CHECKOUT.

INSTALLATION FRANK J. SEILER RESEARCH LABORATORY

USAF ACADEMY, CO.

DF 9998

G.O. COL. G.W. BROCK

CH. SCI. LT. COL T.M. TEMASKOVIC

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	0.925	0.920
TOTAL PROCUREMENT	0.925	0.920
TOTAL CM	0.000	0.000
TOTAL OTHER	0.407	0.470
TOTAL ANNUAL LAB	1.457	1.510
TOTAL INHOUSE	1.457	1.510
TOTAL INHOUSE RDCE	0.925	0.920
ANNUAL OPERATING COST	0.030	0.035

PERSONNEL DATA (END OF FY 1973)

PERSONNEL	AUTHORIZED STRENGTH	TOTAL PMDS	TOTAL PROF	NON- PROF
MILITARY	22	12	24	2
CIVILIAN	9	1	3	6
TOTAL	31	13	27	8

SPACE AND PROPERTY

ACRES	SPACE (THOUSANDS OF SQUARE FEET)	COST (MILLION \$)
	LAB ADMIN OTHER	TOTAL REAL PROP EQUIP
0	9.400 2.800 0.240	12.440 1.300 1.500

...MISSION
CONDUCT RESEARCH IN AEROSPACE MECHANICS, APPLIED MATHEMATICS & CHEMISTRY.
ENCOURAGE & SUPPORT ACADEMY FACULTY & CADET RESEARCH BY DIRECT PARTICI-
PATION, MONITOR FACULTY CONSULTANT PROG, SUMMER LAB PROG, FOCAL POINT FOR
USAF ACADEMY RESEARCH PROPOSED TO THE DOL RESETECH LABORATORIES (AFSC)

...CURRENT IMPORTANT PROGRAMS
FUEL CELL AND BATTERY STUDIES-ALUMINUM ANODES IN MOLTEN SALT ELECTROLYTE
SYNTHESIS AND CHARACTERIZATION OF ORGANOMETALLIC MONOMERS & POLYMERS --
MODELING OPTIMIZATION PROGRAMMING & CONTROL (MATH MODEL'S GUIDANCE SYST.)
DIFFERENTIAL GAMES (IMPERFECT INFO), NONLINEAR CONTROL THEORY & ESTIMATES
MUCH OF FLUIDS (LOW DENSITY SHOCK WAVES, RAM-WING THEORY, AERODYNAM SHAPES

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MATH MODELING OPTIMIZATION CONTROL AND GUIDANCE SYSTEMS USING BURR 6400
COMPUTER. ORGANOMETALLIC & ELECTROCHEM & NITROALIPHATIC AND FLUOROALIPHATIC
ALIPHATIC CHEMISTRY USING 6 POSITION LAB & INSTRUMENT ROOM CONTAINING
ANAL MAG MAG RESONATOR SPECTROMETER, X-RAY EQUIPMENT, INFRARED SPECTRO-
PHOTOMETER, MASS SPECTROMETER, AUTOMATIC GAS CHROMATOGRAPH & OTHER EQUIP.
FLUID DYNAMICS RESEARCH USING 17 INCH LOW DENSITY SHOCK TUBE AND ASSOCI-
ATED INSTRUMENTATION, 2 INCH HIGH DENSITY SHOCK TUBE & WIND TUNNELS.
ADVANCED ANALYSIS AND EVALUATION TECHNIQUES FOR INERTIAL GUIDANCE SENSOR
S USING TWO-AXIS TEST TABLE (GYRO), AUTOMATIC AZIMUTH ALIGNMENT EQUIP AND
ELECTRONIC CONTROL EQUIPMENT FOR 50 SERIES INERTIAL DEVICES LOCATED IN A
CLASS 1000 CLEAN LAB ON 80 TON AIR SUPPORTED STABLE PLATFORMS.

INSTALLATION HUMAN RESOURCES LABORATORY

BROOKS AFB, TX.

0F0427

LTJL COL. H.E. FISCHER

CH. SEC. DR. H.L. PARRIS

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDT&F	13.824	15.132
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	2.249	2.210
TOTAL ANNUAL LAB	16.073	17.342

TOTAL INHOUSE	6.139	8.310
TOTAL INHOUSE RDT&F	4.450	6.600
ANNUAL OPERATING COST	1.110	2.360

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PMDS		
MILITARY	127	8	94	33
CIVILIAN	254	34	122	132
TOTAL	381	42	216	165

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PRCP	EQUIP
13	70.444	31.835	47.543	149.842	3.224	4.262

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

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 AIR FORCE OCCUPATIONS. DOD MANPOWER DEVELOPMENT PROGRAM EVALUATION AND IMPROVEMENT.

FUNCTIONS/EQUIPMENT/CAPABILITIES
FUNCTIONAL AREAS OF OCCUPATIONAL ANALYSIS, PERSONNEL PROCUREMENT, PERSONNEL CLASSIFICATION, RETENTION AND SEPARATION, PERSONNEL SYSTEM COMPUTER SIMULATION MODELS, MANPOWER RIGHTS OF AF WEAPON SYS TRAINING TECHNIQUES, DESIGN OF SIMULATORS AND OTHER TRAINING DEVICES CAPABILITIES. IMMEDIATE TRAINING RESEARCH ASSOC WITH PILOT TRAINING USING SOPHISTICATED HIGH-FIDELITY A/C SIMULATOR, ADVANCED INSTRUCTIONAL SYS FOR INDIVIDUALLY AIDED COMPUTER AIDED TECH INSTRUCTION, CHECKOUT AND MAINT OF ELECTRONIC EQUIP, TECH AND PROF LIBRARY, PERSONNEL TESTING ROOMS, AUDIO VISUAL EQUIP, RESEARCH SIMULATOR COCKPIT, INFINITY OPTICS DISPLAY, RAYTHEON PB440 DIGITAL COMPUTER, IBM 7040 ELECTRONIC DATA PROCESSING SYSTEM WITH 6 TAPES DISC FILE, CARD READ/PUNCH PRINTER AND INQUIRY STATION, VISUAL DISPLAY DEVICE ELECTRONIC ASSOCIATES TR48 ANALOG COMPUTER.

STATION MATERIALS LABORATORY

WPAFB, OH.

DF0105

7. COL. R.K. SAXER

ACTG. DEP. DIR. MR. R.T. SCHWARTZ

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

PROGRAM	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDTEE	35.397	34.730
TOTAL PROCUREMENT	11.603	14.000
TOTAL DEM	0.000	0.000
TOTAL OTHER	1.095	1.200
TOTAL ANNUAL LAB	48.095	49.930
TOTAL INHOUSE	11.305	12.071
TOTAL INHOUSE RDTEE	10.210	10.871
ANNUAL OPERATING COST	2.899	2.908

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PMDS		
MILITARY	56	22	60	4
CIVILIAN	341	45	234	107
TOTAL	397	67	294	111

SQUARE FEET	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			TOTAL	COST (MILLION \$)	
	LAB	ADMIN	OTHER		REAL PRCP	EQUIP
9	0.114	0.062	0.041	0.217	6.949	11.847

MISSION
 1. CONDUCT EXPLORATORY AND ADVANCED DEVELOPMENT, AND ASSIGNED BASIC
 2. PROJ. FOR MATERIALS. PROVIDE TECH./MANAGEMENT ASSISTANCE FOR
 3. STUDIES, ANALYSES, DEVELOPMENT PLANNING, ACQUISITION, TEST, EVALUATION
 4. AND IMP. OF AEROSPACE SYSTEMS. MANAGE/DIRECT A.F. DIRECT MFG. PROG.

CURRENT IMPORTANT PROGRAMS
 1. POSITIVE ADVANCED DEVELOPMENT PROGRAM
 2. MANUFACTURING TECHNOLOGY COST REDUCTION PROGRAM
 3. SYSTEMS SUPPORT
 4. STRUCTURAL METALS AND NONMETALS EXPLORATORY DEVELOPMENT PROGRAM
 5. USER MINIMUM PROGRAM

FUNCTIONS/EQUIPMENT/CAPABILITIES
 1. MATERIALS RESEARCH AND DEVELOPMENT FACILITIES AND CAPABILITIES FOR:
 2. AEROSPACE STRUCTURES, TPS FOR BALLISTIC RV, AND ENGINES, FLUIDS, LUBRICANTS,
 3. FLUID CONTAINMENT, PROPULSION, COATINGS, FIBERS, ARMOR, EM WINDOWS, SENSORS,
 4. DISPLAYS, LASERS AND OPTICAL DEVICES, ELECTRONIC COMPONENTS, NON-DESTRUCT
 5. TESTING, POLYMERS, ADHESIVES, NONMETALLIC MATRIX COMPOSITES, ELASTOMERS,
 6. ALLOYS, METAL AND CERAMIC COMPOSITES, METAL PROCESSING,
 7. INTERMETALLICS, CERAMICS, STATIC AND DYNAMIC BEHAVIOR, JOINING, GRAPHITE,
 8. ELECTRONIC AND MAGNETIC MATERIALS, PHYSICAL CHEMICAL ANALYSIS, OTHER
 9. AEROSPACE MATERIALS FUNCTIONS/MANUFACTURING TECHNOLOGY, SYSTEMS APPLICATION
 10. SYSTEMS SUPPORT.

YALLATION ROCKET PROPULSION LABORATORY

EDWARDS AFB, CA.

DF0608

COL. J.C. HUNT

CH. SCI. DR. F. KELLEY

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

GRAM	1973 (ACTUAL)	1974 (ACT + EST)
AL RTGCE	24.317	23.744
AL PROCUREMENT	0.000	0.000
AL O&M	0.000	0.000
AL OTHER	2.949	2.701
AL ANNUAL LAB	27.266	26.465
AL INHOUSE	12.642	11.987
AL INHOUSE RTGCE	9.980	9.446
AL OPERATING COST	0.270	0.270

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	PHDS		
ETARY	178	10	64	114
ELIAN	299	7	106	193
AL	677	17	170	307

GRES	SPACE AND PROPERTY			TOTAL	COST (MILLION \$)	
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN		REAL PRCP	EQUIP
6400	419.046	99.248	4.780	523.074	29.849	23.774

MISSION
4. FORMULATE, PRESENT, AND EXECUTE THE AFSC EXPLOR AND ACV DEVELOPMENT PROGRAMS IN ROCKET PROPULSION SYS, COMPONENTS, PROPELLANTS AND JCD EQUIP. CONDUCT IN-HOUSE RSCH. SUPPORT DEPLOYED AND DEVELOPMENTAL TESTS. ACT AS AFSC FOCAL POINT FOR INFO IN THE ASSIGNED TECH AREAS.

CURRENT IMPORTANT PROGRAMS
INCREASE ICOM RANGE/PAYLOAD/PENETRATION CAPABILITY/FS AND IMPROVE SERVICE LIFE PREDICTION. INCREASE LIFE OF SATELLITE SYS. INCREASE ABILITY OF STRATEGIC ACFT TO PENETRATE TO THE TARGET. PROVIDE MAX PROPULSIVE POWERING FOR SPACECRAFT. IMPROVE ACCURACY AND REDUCE COSTS OF TACTICAL ARMAMENT.

FUNCTIONS/EQUIPMENT/CAPABILITIES
IN-HOUSE TEST LAB AND CENTRIFUGE FOR TESTING SMALL PROPULSION SYS AND COMPONENTS UNDER SIMULATED SPACE ENVIRONMENTS. FACILITIES FOR FORMULATING TESTING NEW SOLID AND LIQUID PROPELLANT RKT MOTORS. A CHEM LAB FOR SYNTHESIS, ANALYSIS, AND FORMULATION OF NEW PROPELLANTS. A SOLID MOTOR TEST AND EVAL COMPLEX FOR INVESTIGATION OF COMBUSTION, AGING, STRUCTURAL INTEGRITY AND HOT COMPONENTS. AMBIENT AND ALTITUDE TESTING OF TOXIC RKTS TO 50,000 LB THRUST. HOT AIR CAPABILITY TO TEST AIR BREATHING PROPULSION. A FACILITY FOR TESTING REENTRY NOSE CONES. A FACILITY FOR TESTING ENGINES UP TO 10,000,000 LB THRUST. IN-HOUSE ANALYTICAL CAPABILITY FOR PROPULSION SYS OPTIMIZATION, TRADE-OFF AND MISSION STUDIES. A COMPUTER FACILITY FOR DESIGN, ANALYSIS, AND TEST DATA REDUCTION. SHOPS FOR FABRICATING TEST HARDWARE AND TEST SYSTEMS.

ATION ROME AIR DEVELOPMENT CENTER

GRIFFISS AFB, N.Y.

DF0301

J.W. HEPEER

CH. SCI. DR. I.J. GABELMAN

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
RTCE	95.505	89.943
OCUREMENT	21.004	19.778
IN	7.545	7.103
IER	18.586	17.862
INIAL LAB	142.640	134.686
INKUSE	27.644	26.397
INKUSE RTCE	22.196	20.903
OPERATING COST	12.163	12.596

PERSONNEL DATA (END OF FY 1973)			
	AUTHORIZED	TOTAL	NON-PROF
	STRENGTH	PHOS	PROF
1	299	5	85
2	1133	11	513
3	1432	16	598

SPACE AND PROPERTY				COST (MILLION \$)	
SPACE (THOUSANDS OF SQUARE FEET)				TOTAL	REAL PRCP
LAB	ADMIN	OTHER			EQUIP
648.337	105.414	200.690	954.441	29.346	79.172

ION
ND EXECUTES EXPLORATORY AND ADVANCED DEVELOPMENT PROGRAMS FOR
MAG INTELLIGENCE AND RECON PROCESSING, DISPLAYS, SURVEILLANCE,
LITY AND COMPATIBILITY, COMMUNICATIONS FOR AF, DOD AND OTHER
ATIONS, PROVIDES TECHNICAL CONSULTATION TO MAJOR AIR COMMANDS.

ENT IMPORTANT PROGRAMS
BJECT SURVEILLANCE AND IDENTIFICATION TECHNOLOGY
MAGNETIC RELIABILITY AND MAINTAINABILITY TECH AND FIELD SUPPORT
LOCATION AND STRIKE TECHNIQUES
E HORIZON DETECTION EXPERIMENTS AND DEVELOPMENTS
DENCE AND RECON EXPLORATORY DEVELOPMENTS AND FIELD SUPPORT

TIONS/EQUIPMENT/CAPABILITIES
S A WELL BALANCED COMBINATION OF PROFESSIONAL SKILLS AND
ENTAL FACILITIES TO HARRY THEORETICAL STUDIES TO POTENTIAL
TION, BY COMBINATION OF AIRBORNE LABORATORY MEASUREMENT IN
ENTED FLIGHT TEST AIRCRAFT AND FLEXIBLE ON-BASE AND OFF-BASE
ENTAL SITES, A HIGH DEGREE OF SOPHISTICATION IS ACHIEVED FOR
ING GROUND ELECTROMAGNETIC STUDIES AND EXPERIMENTS. CAPABILITIES
TABLE FOR CONDUCTING HIGH AND LOW POWER EXPERIMENTS OVER
MAGNETIC SPECTRUM FROM EXTREMELY LOW FREQUENCIES TO LIGHT.
PIC STUDIES ARE PERFORMED USING ONE OF THE NATION'S LARGEST ON-LINE
ARING COMPUTERS. RESOURCES ARE PRIMARILY USED IN EXPLORATORY AND
D DEVELOPMENTS AND EXTENDING TO TECHNICAL SUPPORT OF THIRTY-SIX
ER FORCE AND DOD ORGANIZATIONS.

RELATION SPACE AND MISSILE TEST CENTER

VANDENBURG AFB, CA.

DF0920

MG J.D. LOWE

TECH. DIR. MR. S.R. RADCH

PROGRAM DATA BY FISCAL YEAR (MILLION \$)

	1973 (ACTUAL)	1974 (ACT + EST)
RDCE	57.460	56.191
PROCUREMENT	0.000	0.000
OGN	0.000	0.000
OTHER	7.707	7.780
ANNUAL LAB	65.167	63.971
INHOUSE	14.782	14.753
INHOUSE RDCE	7.855	7.453
OPERATING COST	13.291	13.036

	PERSONNEL DATA (END OF FY 1973)	TOTAL	NON-PROF
INNEL	AUTHORIZED STRENGTH	TOTAL	PROF
ARY	444	8	218
IAN	375	2	160
	821	10	370

	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)	COST (MILLION \$)
IES	LAB ADMIN OTHER	TOTAL REAL PRCP EQUIP
146	91.407 354.384 431.954	877.745 56.600 495.861

MISSION
DE SPACE AND MISSILE FIELD TEST OPERATIONS. INSURE TIMELY DEVELOP-
OF TEST CAPABILITY INCLUDING PERSONNEL, FACILITIES, INSTRUMENTATION
DOCUMENTATION.

CURRENT IMPORTANT PROGRAMS
TITAN II & III OPERATIONAL TRAINING
GUARD SYSTEM TEST TARGET PROGRAM - MINUTEMAN & TITAN BOOSTERS
S PROGRAMS
S & UNCLASS SPACE LAUNCHES USING ATLAS, THOR, TITAN & SCOUT BOOSTERS
TITAN III RED

FUNCTIONS/EQUIPMENT/CAPABILITIES
EC CAPABILITIES INCLUDE TEST LAUNCH AND RANGE SUPPORT; TEST LAUNCH
RS ASSEMBLY & PRELAUNCH TESTING OF LAUNCH VEHICLE SYSTEMS USING THOR
S, SCOUT, M/M & TITAN BOOSTERS, AND AGENA, BURNER & TITAN III UPPER
IE MOTORSC PAYLOAD & VEHICLE INTEGRATION & CHECKOUTS AND LAUNCH CON-
- RANGE SUPPORT INCLUDES SHORT & LONG RANGE INSTRUMENTATION PLANNING
DATA GATHERING ON BALLISTIC/ORBITAL/PROBE LAUNCHES, AIRCRAFT FLYBY,
OTHER TESTS. VARIOUS FIXED & MOBILE ELECTRONIC & OPTICAL INSTRUMENT-
ION IS AVAILABLE ON THE WEST COAST, PACIFIC ISLANDS, AND SHIPS & AIR-
FT TO GATHER RANGE SAFETY & PROGRAM TEST DATA. LAUNCH AZIMUTHS VARY
4 165 TO 310 DEGREES. LAUNCH FACILITIES & RANGE INSTRUMENTATION CAN
RECONFIGURED TO MEET PROGRAM REQUIREMENTS. IMPACT SCORING OF BALLIS-
PAYLOADS IS AVAILABLE AT TWO ISLAND SITES AND IN THE BROAD OCEANAREA

INSTALLATION USAF SCHOOL OF AEROSPACE MEDICINE

BRICKS AFB, TX.

C.O. COL. E.R. GOLTRA

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTCE	10.338	9.819
TOTAL PROCUREMENT	0.203	0.013
TOTAL O&M	1.152	1.042
TOTAL OTHER	7.565	7.799
TOTAL ANNUAL LAB	19.258	18.673
TOTAL INHOUSE	17.320	16.915
TOTAL INHOUSE ROTCE	8.533	8.100
ANNUAL OPERATING COST	3.015	2.989

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PHGS		
MILITARY	665	92	237	429
CIVILIAN	367	36	151	216
TOTAL	1032	128	388	644

ACRES	SPACE AND PROPERTY			COST (MILLION \$)		
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN OTHER	TOTAL	REAL PRCP	EQUIP
93	473.078	90.154	73.084	645.316	18.129	23.587

...MISSION
RESEARCH IN LIFE SUPPORT AEROSPACE MEDICINE
BIOLOGICAL SCIENCES
CLINICAL EVALUATION AND CONSULTATION
EDUCATION AND TRAINING

...CURRENT IMPORTANT PROGRAMS
CONCEPTS AND CRITERIA FOR CREW MAINTENANCE AND PROTECTION
ELECTROMAGNETIC AND PARTICULAR RADIATION HAZARD IN AEROSPACE OPERATIONS
ACCELERATION CAPABILITY ENHANCEMENT
CREW CAPABILITY INTEGRATION FOR SYSTEM EFFECTIVENESS
SELECTION AND CARE OF FLYERS

...FUNCTIONS/EQUIPMENT/CAPABILITIES
USAF SCHOOL OF AEROSPACE MEDICINE, RESEARCH IN AEROSPACE MED PROBLEMS.
ENVIRONMENTAL STRESS, DEVELOPMENTAL ENGINEERING, RADIOBIOLOGY, LASER
HAZARDS, BIOMETRICS, BIOSCIENCE, BIOMED ENGINEERING AND VIDEOTELELOGY
FACILITIES, WHOLE BODY COUNTER, HUMAN CENTRIFUGE, VARIOUS TEST CELLS AND
CHAMBERS, COCKROFT + WALTON ACCELERATOR, NEUTRON GENERATOR, PHILCO 2000
DIGITAL COMPUTER, ROTATIONAL FLIGHT SIMULATOR, KILOCURIE CG 60
RADIATION SOURCE, AEROSPACE MEDICAL SCIENCE LAB, AEROSPACE MEDICAL
CONSULTATION SERVICES, AEROMEDICAL EVALUATION, CLINICAL SCIENCE, OCULO
THERMAL, OPTICAL RESEARCH, AUDIOLOGY, VESTIBULAR, PSYCHOBIOLOGY, RADIO
ISOTOPE, AEROSPACE MEDICAL STANDARDS, AND LASER HAZARDS FACILITIES.
ZEISS PHOTOCOAGULATOR, VECTORCARDIOGRAPH MACHINE, BALLISTOCARDIOGRAPH
MACHINE, PHONOCARDIOGRAPH MACHINE, AND MASS SPECTROMETERS.

INSTALLATION WEAPONS LABORATORY

KIRTLAND AFB, N.M.

DT 0506

C.O. COL. O.R. CUMMINGHAM

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTEE	79.947	83.530
TOTAL PROCUREMENT	0.855	0.600
TOTAL OCM	0.000	0.000
TOTAL OTHER	10.755	11.067
TOTAL ANNUAL LAB	90.957	95.197
TOTAL INHOUSE	40.132	40.387
TOTAL INHOUSE ROTEE	29.247	29.220
ANNUAL OPERATING COST	7.500	8.000

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	PHDS		
MILITARY	790	93	404	306
CIVILIAN	394	28	195	199
TOTAL	1184	121	679	505

FONES	SPACE AND PROPERTY			TOTAL	REAL PRCP	EQUIP
	SPACE (THOUSANDS OF SQUARE FEET)	LAB	ADMIN			
7397	402.049	80.914	15.540	458.523	13.633	38.649

...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
SERVSPACE FACILITIES 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 DUAL CIC-6600 COMPUTER WITH REMOTE ACCESS TERMINALS AND MULTI-CHANNEL SENSING/RECORDING AND DATA REDUCTION SUPPORT ALL REQUIRING ROTEE PROGRAMS.

INSTALLATION 4870 AEROSPACE MEDICAL RESEARCH LABORATORY WPAFB, OH

DF0213

C. G. L. F. F. DOPPEL

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL ROTEE	13.110	11.107
TOTAL PROGRAMMERS	0.000	0.000
TOTAL CEM	0.000	0.000
TOTAL ITMP	1.733	1.909
TOTAL ANNUAL LAB	14.851	13.296
TOTAL INHOUSE	7.502	7.162
TOTAL INHOUSE ROTEE	9.769	5.253
ANNUAL IMINATING COST	1.050	1.100

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL PROF	MIN- PROF
	AUTHORIZED STRENGTH	TOTAL PMOS		
MILITARY	134	20	75	59
CIVILIAN	170	25	97	73
TOTAL	304	53	172	132

ACRES	SPACE AND PROPERTY SPACE (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
50	211.900	10.000	15.200	237.100	11.570	15.099

...MISSION
CONDUCT P&D TO DEFINE HUMAN PERFORMANCE, PHYSIOLOGICAL TOLERANCE, PERSONAL
PROT. NEEDS, AND DEVELOP PROTECTIVE TECHNIQUES AND EQUIP. TO SUSTAIN AND
ENHANCE HIS PERF. IN AF OPERATIONAL ENVIRONMENTS. TO EST. DESIGN CRITERIA
AND PROVIDE SUPPORT TO SYSTEM DEVELOPMENT IN ABOVE AREAS.

...CURRENT IMPORTANT PROGRAMS
DEFINE TOXIC HAZARDS ENVIR. POLLUTION EFF. OF MISSILE OPS. PROPELLANT TEST
DEVELOP A HUMAN PERF. METHOD TO COUNTER OPTICALLY AIMED WEAPONS.
INV. HELMET MOUNTED SIGHT SYS. FOR FLT. CONTROL AND WEAPON DELIVERY APPLNS
INV. HIGH G PILOT SEAT, CONTROLS + DISPLAYS DESIGN FOR OPS ABOVE P G'S
DETERMINE HUMAN EXP. LIMITS, CAPABILITY, PROT. REQ. DURING ESCAPE FROM ACV. A/C

...FUNCTIONS/EQUIPMENT/CAPABILITIES
MAJOR FUNCTIONS 1. IDENTIFY, QUANTIFY AND DETERMINE TOXIC HAZARDS AND
ENVIRONMENTAL POLLUTION EFFECTS CREATED BY AF OPS. 2. DEVELOP NEW CONCEPTS
AND DESIGN CRITERIA TO DEFINE MAN MACHINE SYSTEM EFFECTIVENESS IN AF OPS
3. PROVIDE HUMAN ENGINEERING DATA, PRINCIPLES AND TECHNIQUES APPLICABLE
TO DESIGN, TEST, OPS, MAINTENANCE OF AF SYSTEMS AND EQUIP. 4. STUDY EFFECTS,
DEFINE HUMAN TOLERANCE AND PERFORMANCE DURING BIO-DYNAMIC AND COMBINED
STRESS OF AF OPERATIONS.
MAJOR EQUIP. FACILITIES HUMAN ENGINEERING RESEARCH LAB, TOXIC HAZARDS
RESEARCH LAB, RESEARCH ANIMAL FACILITY, BIO-DYNAMIC NOISE, VIBRA. ION, IMPACT,
ACCELERATION AND COMBINED STRESS LAB, HUMAN RATED ALTITUDE AND V. ENVIRONMENT
CHAMBER SIMULATION FACILITIES.

INSTALLATION ARMED FORCES RADIOBIOLOGY RES. INSTITUTE BETHESDA, MD

DD3622

C. N. CAPT MYRON J. VARDON, USN MC

PROGRAM	PROGRAM DATA BY FISCAL YEAR (MILLION \$)	
	1973 (ACTUAL)	1974 (ACT + EST)
TOTAL RDCE	3.734	2.593
TOTAL PROCUREMENT	0.000	0.000
TOTAL O&M	0.000	0.000
TOTAL OTHER	1.344	1.421
TOTAL ANNUAL LAB	5.278	5.014
TOTAL INHOUSE	4.720	4.794
TOTAL INHOUSE RDCE	3.944	3.373
ANNUAL OPERATING COST	0.800	0.911

PERSONNEL	PERSONNEL DATA (END OF FY 1973)		TOTAL	NON-PROF
	AUTHORIZED STRENGTH	TOTAL PHOS		
MILITARY	97	22	53	44
CIVILIAN	139	17	53	86
TOTAL	236	39	106	130

ACRES	SPACE AND PROPERTY (THOUSANDS OF SQUARE FEET)			COST (MILLION \$)		
	LAB	ADMIN	OTHER	TOTAL	REAL PROP	EQUIP
10	24.660	14.906	32.913	72.479	7.899	3.172

...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
BIOCHEMICAL DIAGNOSIS OF MALIGNANT AND METASTATIC TUMORS
ACUTE EFFECTS OF HIGH-IONIZING ELECTROMAGNETIC RADIATION
EFFECTS OF HEAD INJURY ON BLOOD FLOW AND BRAIN FUNCTION
NEUROLOGIC EFFECTS OF IONIZING RADIATION AND DRUGS
STIMULATION OF NARROW RECOVERY POSTIRRADIATION

...FUNCTIONS/EQUIPMENT/CAPABILITIES
FUNCTIONS: OPERATE FACILITIES FOR CONDUCTING RADIOBIOLOGY RESEARCH AND
DISSEMINATING RESULTS; CONDUCTING 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 NUCL REACTOR, 300,000-CURIE COBALT-60 IRRADIATOR, POSITIVE
ION ACCELERATOR, ELECTRON MICROWAVE LINEAR ACCELERATOR, X-RAY MACHINES
WITH ASSOCIATED EXPOSURE ROOM COMPLEXES AND ELECTROMAGNETIC PULSE GENER-
ATION SUPPORT SERVICES INCLUDE: MEASUREMENT OF RADIATION FIELDS, PROVI-
SION AND CARE OF LABORATORY ANIMALS, EQUIPMENT DESIGN AND FABRICATION
ASSISTANCE, REAL-TIME DATA ACQUISITION SYSTEM, TV AND FILM DOCUMENTATION
OF EXPERIMENTS, PERSONNEL AND ENVIRONMENTAL MONITORING, EDITORIAL
ASSISTANCE IN REPORT PREPARATION, AND A LARGE TECHNICAL LIBRARY

APPENDIX 1

Changes in Organization or Name *

Department of the Army

<u>Previous</u>	<u>As of 1 July 1973</u>
Coating & Chemical Laboratory Aberdeen Proving Ground, MD.	Disestablished.
Medical Biomechanical Research Laboratory Washington, DC	Medical Bioengineering R&D Laboratory Washington, DC
Medical Equipment R&D Laboratory Ft. Totten, NY	Medical Bioengineering R&D Laboratory Washington, DC

Department of the Navy

Naval Medical Research Unit No. 1 Berkeley, CA.	Disestablished.
Naval Personnel Research and Development Laboratory Washington, DC	Disestablished.
Naval Personnel Research Activity San Diego, CA	Naval Personnel Research and Development Center San Diego, CA
Naval Ship Research and Development Laboratory Panama City, FL	Naval Coastal Systems Laboratory Panama City, FL

Department of the Air Force

Eastern Test Range
Patrick AFB, FL

Disestablished.

*deleted from report since
less than 2.5% of funds
were supplied by RDT+E*

*Changes since publication of Department of Defense In-House RDT&E
Activities, 30 October 1972.

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	1362
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	636	681	895
404	645	682	1311
421	646	683	1316
455	647	698	1341
458	649	699	1371
462	650	802	1374
621	661	817	1521
622	667	818	1531
625	669	856	1541

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 4165.14. 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 will include those costs incurred by the acquisition (including installation, when applicable) of all property other than real property. It will include personal property such as machine tools, environmental test equipment, furniture, laboratory equipment, vehicles, etc. Items having a unit cost of less than \$200 may be excluded.

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*--Obligation 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	GCA -- ground-controlled approach
AAW -- anti-air warfare	HF -- high-frequency
ADPE -- automatic data-processing equipment	IFF -- identification, friend or foe
AEC -- Atomic Energy Commission	IR -- infrared
AEDC -- Arnold Engineering Development Center	MPT -- military potential test
AFMDC -- Air Force Missile Development Center	NAF -- Naval Air Facility
AFSC -- Air Force Systems Command	NASA -- National Aeronautics and Space Administration
AFWET -- Air Force weapons effectiveness testing	NASC -- Naval Air Systems Command
AMC -- Army Materiel Command	NAVORD -- Naval Ordnance Systems Command
APG -- Aberdeen Proving Ground	NAVSHIP -- Naval Ship Systems Command
ARPA -- Advanced Research Projects Agency	NEHP -- nuclear electromagnetic propagation
ASW -- antisubmarine warfare	PI -- product improvement
AUS -- Army, United States	POL -- petroleum, oil, lubricants
BIS -- Board of Inspection and Survey	QA -- quality assurance
BW -- biological warfare	QMDO -- qualitative materiel development objective
CBR -- chemical, biological, radiological	QMR -- qualitative materiel requirement
CE -- Chief of Engineers, Army	RD&E -- research, development, test and evaluation
CG -- commanding general	RF -- radio frequency
CNO -- Chief of Naval Operations	RV -- reentry vehicle
COMMEL -- communications electronics	SATS -- short airfield tactical support
DA -- Department of the Army	SDR -- small development requirement
DASA -- Defense Atomic Support Agency	SI -- ship installation
DoD -- Department of Defense	SP -- self-propelled
DZ -- drop zone	ST -- service test
ECM -- electronic countermeasures	T&E -- test and evaluation
ECOM -- Electronics Command, Army	TOTO -- Tongue-of-the-Ocean
ED -- engineering development	UDT -- underwater demolition team
EDT -- engineering development and test	ULMS -- Undersea Long-Range Missile System
EEG -- electroencephalogram	USATECOM -- U. S. Army Test and Evaluation Command
EKG -- electrocardiogram	UTTAS -- utility tactical transport aircraft system
ELINT -- electronic intelligence	USW -- undersea warfare
EMP -- electromagnetic propagation	UV -- ultraviolet
EMW -- electromagnetic warfare	V/STOL -- vertical/short takeoff and landing
EODC -- Explosive Ordnance Disposal Center	
ET -- engineering test	
EW -- electronic warfare	
FA -- field artillery	
FBM -- fleet ballistic missile	