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# **FEDERAL LABORATORY DIRECTORY 1982**

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U.S. DEPARTMENT OF COMMERCE, Malcolm Baldrige, Secretary

NATIONAL BUREAU OF STANDARDS, Ernest Ambler, Director

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## FOREWORD

With the tremendous investment of the Federal Government in research and development, the need to survey the laboratories where much of the work is done is a recurring requirement. The Stevenson-Wydler Technology Innovations Act of 1980 focused attention on the potential for Federal laboratories to serve users outside of the Federal agencies that manage the laboratories. This Federal Laboratory Directory has been prepared with the need for effective transfer of technology much in mind.

Over the past decade, the Federal Laboratory Consortium for Technology Transfer (FLC) has taken a growing lead in facilitating the sharing of information, products, processes and services between laboratories, the private sector, and governments at the State and local level. It was due to the requests of the FLC that we undertook, at the National Bureau of Standards, the gathering of this data and through the cooperation of the agencies represented we have been able to complete it. At the Bureau, we are pleased to be able to support this process, as like many laboratories, we draw on the strengths of sister organizations to achieve our goals. We also make every effort to serve those Federal agencies, the private sector, and State and local governments with our programs. We hope this document will help in achieving that goal.

Sincerely,



Ernest Ambler  
Director

## ABSTRACT

This Directory provides limited information about some 388 Federal laboratories with ten or more full-time professionals engaged in research and development. Summary data arranged by Federal agency and by State provide a broad overview of the Federal laboratory system. Laboratory lists by staff size, by State and by agency provide a cross reference. For each laboratory, a contact for obtaining technical information is given by name, address, and phone number. Major mission and major scientific or testing equipment is listed for each laboratory.

Key words: contacts; directory; Federal laboratory; research and development; technology transfer.

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## INTRODUCTION

The Federal Laboratory Directory, 1982 edition, has been compiled to meet the needs of several audiences. Planners and policymakers, in government and out, need to have a broad view of Federal research and development laboratory resources. For their purposes, summary data on laboratory size and geographical and agency distribution may be particularly useful.

For those who would use the technology from Federal laboratories, this Directory includes individual data sheets on each laboratory including, where available, the name, address, and telephone number of an initial contact for research and technology applications information. The information on the major mission of the laboratory and any major scientific or testing equipment will give some indication of the resources to be expected.

These data may be particularly useful to those in intermediary organizations such as the Department of Commerce's Center for the Utilization of Federal Technology, or the Federal Laboratory Consortium for Technology Transfer which have mandated responsibilities for providing access to Federal laboratory resources to users from State or local governments, or from the private sector.

With minor modifications, the data sheet for each laboratory is patterned after earlier work. Names and addresses are included in spite of the recognition that rather frequent updates will be required. An attempt at showing the organizational relationships of the laboratories has been included although other documents may provide better guidance to such interactions.

The sources of data for this Directory were the individual information sheets which are included, as submitted by each agency, in Section 6. These data have been summarized and organized in several tables in Section 5 by staff size, then by State, and by agency. A list of Research and Technology Application contacts includes data on laboratory staff size. All summary data are stored in a computer database for periodic updating for future editions of the Directory.

## DISCUSSION OF DATA

For this Directory, data have been gathered only for laboratories with ten or more full-time professionals engaged in research and development. This is a significant departure from earlier directories and accounts--in part--for the sharp drop in the total number of laboratories listed. The definition of the term "professional" has been left to each laboratory. For civil service employees, it will have a common meaning, but for other employees, it may vary. For this reason, comparisons between laboratories should be made with caution. The value of "percent research and development" was subjective for those who prepared the data. Defense laboratories provided data with research, development, and testing combined. Once more, these data must be used with caution.

The total staff size is probably one of the most reliable numbers as of the date reported. As that date preceded the change in Administration, it will change in subsequent editions. For some laboratories, large changes may be expected. Current staff counting procedures provide "full-time equivalent" data reflecting an averaging process over the fiscal year and proper weighting for part-time employees. However, not all laboratories have used that procedure so some variations are expected and the totals must be viewed as approximates.

As mentioned, a computer has been used to store some of the data and sort it by laboratory characteristics. One set of data was obtained by a hand-sorting--the listing of facilities rather than laboratories, in order of size. For purposes of technology transfer, that sorting may have more meaning. A facility is defined as a group of laboratories at a single geographical location. In some cases these laboratories have closely related missions but in other cases they simply share common services.

The term laboratory is used in a generic sense in this Directory. A glance at the listings will show that a number of other terms are used: bureau, center, facility, division, institute, activity, office, museum, station, research unit or observatory.

The data on some laboratory description sheets are incomplete. In future editions, every attempt will be made to correct that. Numerical data reflecting staff size are complete and so allow ordering of laboratories by size and summary computations.

Many agencies found it difficult to decide if their facilities could properly be included in this Directory. They have grown in a wide variety of patterns to meet the needs of their constituents and their agencies. The Veterans Administration, for example, conducts research in the clinical setting of many of its hospitals, but proper treatment of the patient is always its primary aim. A letter giving some details of that system is included in Appendix A and some 60 medical centers are listed without detailed staff statistics. The U.S. Geological Survey is another case where extensive

field offices are necessary to gather and apply data related to their mission. Research for that group is very unlike the work centered around large complex facilities in many defense or space laboratories.

Networks of small facilities characterize the U.S. Department of Agriculture's Agricultural Research Service, and U.S. Forest Service. They have been reported as regional facilities by the Forest Service but listed separately by the Agricultural Research Service. The Department of Commerce's National Oceanographic and Atmospheric Administration similarly has a large number of rather small laboratories. For each of these organizations, some laboratories were too small to be included in this Directory.

It is important to point out that many laboratories provide routine, but important, measurement services in the fields of air and water quality, weather, health and safety, clinical, and forensic sciences. They frequently do not meet the "research and development" criteria for inclusion in this Directory.

Another category of activity excluded are the very essential information processing offices that often serve as intermediary organizations for those seeking technical assistance.

Some laboratories serving regulatory agencies, such as the Food and Drug Administration, have not been listed since they are conceived as providing only measurement services related to agency functions.

#### A Final Word

Errors creep into any document of this size and the editor would appreciate having such errors called to his attention so that corrections can be made in future editions. Any suggestions for making this document more useful would be most welcome.

## CREDITS

The task of gathering these data has been coordinated through the Federal Laboratory Consortium for Technology Transfer and the diligence of many individuals is very much appreciated.

USDA	Agriculture	Harold G. Marx and Maurice LeBourhis
USDoC	Commerce	Ferris Webster for NOAA
USDoD	Defense	George F. Linsteadt and Michael Palomar
DoE	Energy	Charles F. Miller
EPA	Environmental Protection Agency	Chris L. West and Michael L. Mastracci
HHS	Health and Human Services	Samuel D. Korper, Ph.D.
DoI	Interior	Don Ralston, BOM Dr. Ethan T. Smith, USGS
DoJ	Justice	James H. Geer
NASA	National Aeronautics and Space Administration	Dr. Paul R. Brockman
NSF	National Science Foundation	Dr. Francis S. Johnson
Smith	Smithsonian	Dr. David Challinor
TVA	Tennessee Valley Authority	Shirley Ray
DoT	Transportation	Alphonso B. Linhares
VA	Veterans Administration	Dr. Earl X. Freed

The continued interest of Dr. Eugene L. Stark, Chairman of the FLC, and Dr. Howard E. Sorrows, Director of the NBS Office of Research and Technology Applications, was essential to the completion of this task. Betty Joyce Molino, co-author of the Omnidata computer program and patient teacher of the system, made the data handling task a manageable one. The dedicated assistance of Linda Chester in each step of preparing this document for publication was indispensable.

## REFERENCES

The last generally available listing of all "Federal R&D Installations" was published by the National Science Foundation in 1970.<sup>1</sup> Since that time, two listings of many Federal laboratories have appeared as part of Congressional committee proceedings<sup>2,3</sup> in 1974 and 1979. Two other works, Directory of Federal Technology Transfer<sup>4,5</sup> 1975 and 1977 provided information submitted by each agency with descriptive material on the type of resources available and mechanisms for obtaining assistance. More detailed and up-to-date information on the organization of all Federal agencies can be obtained from the annual "United States Government Manual".<sup>6</sup> Individual agencies such as the Departments of Energy and Defense have prepared more detailed listings of their research and development facilities and organization<sup>7,8,9</sup>. The National Aeronautics and Space Administration (NASA) publishes an annual report, Spinoff<sup>10</sup>, which lists both outstanding accomplishments and contact organizations separated somewhat from the laboratory structure.

1. Directory of Federal R&D Installations, Zola Bronson, Ed. National Science Foundation, Washington, D.C. 1970 NBS-70-23
2. Utilization of Federal Laboratories Agriculture-Environment and Consumer Protection Appropriations for 1975-Part 7 Investigative Report. Subcommittee of the Committee on Appropriations, U.S. House of Representatives
3. Investigative Report on the Utilization of Federal Laboratories, Part II Hearings before the Subcommittee on Agriculture and Related Agencies of the Committee on Appropriations of the U.S. House of Representatives of the 95th Congress, Second Session, 95th Congress on Appropriations for 1979.
4. Directory of Federal Technology Transfer A.B. Linhares Ed., EOP U.S. GPO Stock No. 052003-00376-7 Washington, D.C. 20402 (1975)
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6. The United States Government Manual 1981/82 Office of the Federal Register, National Archives and Record Service, GSA, Washington, D.C. 20408, U.S. GPO, Washington, D.C. 20402
7. DOE Research and Development and Field Facilities DOE/ER-0029, June 1979 U.S. GPO, Washington, D.C. 20402 Stock No. 061-000-00318-5
8. Capsule Review of the DoE Research and Development and Field Facilities, DoE/ER 0092 September 1980. NTIS U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161
9. Department of Defense In-House RDT&E Activities, Harold F. Davidson, October 1980, U.S. Army Materiel Development and Readiness Command, 5001 Eisenhower Avenue, Alexandria, Virginia 22333
10. Spinoff 1981, An Annual Report, NASA, James J. Haggerty, Superintendent of Documents, U.S. GPO, Washington, D.C. 20402

Table 1  
Federal Laboratories by Agency,  
Summary Data

<u>Agency</u>	<u>Number of Labs</u>	<u>Total** Staff</u>	<u>Average Lab. Staff</u>	<u>FY 81 R&amp;D \$ Millions</u>
DOD	92	89016	968	16821
DOE	39	64544	1655	5017
NASA	11	24885	2262	5317
DOI	24	13482	562	413
*HHS	21	8540	407	3879
USDA	67	7786	116	758
DOC	36	5077	141	377
DOT	7	2625	375	379
NSF	6	1641	274	994
EPA	14	1565	112	469
TVA	4	1404	351	20
VA	60	600+	10+	130
DOJ	1	429	429	42
Smith	6	291	48	45
	<hr/> 388	<hr/> 221885	<hr/> 572	<hr/> 34661

\*Report Incomplete

\*\*Figures as of 12/30/80 except DoD 10/30/79, NSF and HHS 12/31/81 and DoJ 9/1/82.

Table 2  
Federal Laboratories by State,\*  
Summary Data

	Total Staff	No. of Labs	Average Size		Total Staff	No. of Labs	Average Size
CA	42734	36	1187	SC	1067	4	267
MD	30891	41	753	IA	821	3	274
NM	20739	10	2074	WV	643	4	161
NJ	10280	15	685	MN	636	5	127
FL	10178	17	599	LA	560	9	62
VA	9552	11	868	OR	538	4	135
NY	9110	14	651	OK	510	6	85
IL	7750	9	861	WI	448	6	75
CO	7491	16	468	NH	277	1	277
PA	7106	8	888	ND	271	4	68
DC	6658	10	666	NV	234	3	78
TN	6311	8	789	MO	217	6	36
AL	6094	8	762	CZ	173	2	87
OH	5975	13	460	RI	160	3	53
ID	5147	2	2574	WY	148	1	148
TX	5002	13	385	CH	144	1	144
WA	4770	10	477	MT	128	1	128
MA	3494	12	291	NE	99	3	33
CT	3153	6	526	HI	87	2	44
IN	2257	4	564	EG	81	1	81
AZ	2182	7	312	KS	64	1	64
MS	1994	9	222	AK	62	2	31
NC	1633	10	163	PR	50	1	50
GA	1579	11	144	SD	28	1	28
UT	1252	6	209	AR	10	1	10
MI	1087	6	181	KY	10	1	10

\*Includes overseas laboratories in  
 Puerto Rico (PR), Canal Zone (CZ), Egypt (EG), Chile (CH)

Table 3

LARGEST FEDERAL LABORATORY FACILITIES

(listed in order of total FY 80 staff size)

No.	Agency	Facility	Total	FLC *
1	DOE	Sandia National Laboratories	7639	FLC
2	DOE	Hanford, WA	7202	
		Hanford Engineering Development Lab		FLC
		Pacific Northwest Lab		
3	DOE	Lawrence Livermore National Lab	7102	FLC
4	DOE	Los Alamos National Lab	6937	FLC
5	DOD	Armament Division (Elgin)	6389	FLC
6	DOD	Edwards AFB, CA	5733	
		Flight Test Center		FLC
		Rocket Propulsion Lab		
		Aviation Engineering Flight Activity		
7	DOE	Oak Ridge, TN	5583	
		Oak Ridge National Lab		FLC
		Oak Ridge Associated Universities		
8	DOE	Argonne National Lab	5118	FLC
9	DOE	Idaho National Engineering Lab	5100	FLC
10	HHS	National Institutes of Health, Bethesda, Md.	5082	
		National Cancer Institute		
		National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases		
		Neurology and Communicative Disorders Research Lab		
		National Institute of Allergy and Infectious Diseases		
		National Institute of Mental Health, Intramural Research Program		
		National Institute of Child Health and Human Development		
		National Heart, Lung, and Blood Institute		
		Division of Computer Research and Technology		
		National Institute of Dental Research, Intramural Research Program		
		National Eye Institute, Intramural Research Program		
11	DOD/NAVY	Pacific Missile Test Center	4803	
12	DOD/NAVY	Naval Surface Weapons Center	4732	FLC
13	DOD/NAVY	Naval Weapons Center	4540	FLC
14	DOI/USGS	USGS Central Region	4500	
15	DOD/ARMY	White Sands, NM	4345	FLC
		White Sands Missile Range		
		Atmospheric Sciences Lab		FLC
		Ordnance Missile Test Facility		

Footnote: Groups of labs located at a single facility have been  
lumped together for this analysis

\*Federal Laboratory Consortium for Technology Transfer (FLC) members

No.	Agency	Facility	Total	FLC
16	NASA	Jet Propulsion Laboratory	3788	FLC
17	DOI/USGS	Western Region	3676	FLC
18	DOD/AF	Naval Air Test Center	3566	
19	NASA	George C. Marshall Space Flight Center	3563	FLC
20	NASA	Lyndon B. Johnson Space Center	3508	FLC
21	DOE	Brookhaven National Lab	3502	FLC
22	NASA	Goddard Space Flight Center	3436	FLC
23	DOD	Aberdeen Proving Ground, Md.	3407	
		Materials Testing Directorate		FLC
		Chemical Systems Lab		FLC
		Ballistics Research Lab		FLC
		Material Systems Analysis Activity		
		Medical Research Institute of Chemical Defense		FLC
		Human Engineering Lab		FLC
24	DOD/NAVY	Naval Research Lab	3394	FLC
25	DOE	Bettis Atomic Power Lab	3358	
26	DOE	Lawrence Berkeley Lab	3158	FLC
27	DOC	National Bureau of Standards	3072	FLC
28	DOI/USGS	National Center	3000	FLC
29	NASA	Langley Research Center	2966	FLC
30	DOE	Knolls Atomic Power Lab	2913	
31	DOD/NAVY	Newport, RI	2882	
		Naval Underwater Systems Center		FLC
		Underwater Range Department		
32	NASA	Lewis Research Center	2822	FLC
33	DOD/NAVY	Ocean Systems Center	2791	FLC
34	DOD/NAVY	David W. Taylor Ship R&D Center	2567	FLC
35	DOD/AF	Wright Patterson AFB, OH	2566	FLC
		Avionics Lab		
		Flight Dynamics Lab		
		Materials Lab		
		Aerospace Medical Research Lab		
36	DOD/NAVY	Naval Air Development Center	2399	FLC
37	DOD/ARMY	Dover, NJ	2370	FLC
		Large Caliber Weapons Systems Lab		
		Fire Control and Small Caliber Systems Lab		
38	NASA	John F. Kennedy Space Center	2201	FLC
39	DOD/NAVY	Naval Avionics Center	2150	FLC
40	DOD/ARMY	Fort Belvoir, VA	2067	
		Mobility Equipment R&D Command		FLC
		Night Vision & Electro-Optics Lab		FLC
		Engineer Topographic Lab		
41	DOE	Fermi National Accelerator Lab	1982	FLC
42	DOD/NAVY	Naval Air Engineering Center	1776	FLC
43	NASA	Ames Research Center	1651	FLC
44	DOD/ARMY	Fort Monmouth, NJ	1625	FLC
		Electronic Warfare Lab		
		Communications R&D Command		
		Electronics Technology & Devices Lab		
		Avionics R&D Activity		
		Combat Surveillance & Target Ag. Lab		
45	DOD/ARMY	Natick, MA	1418	
		Natick R&D Labs		FLC
		Research Inst. of Environmental Meas.		FLC
		Clothing & Textile Research Facility		

No.	Agency	Facility	Total	FLC
46	DOE	Princeton Plasma Physics Lab	1406	
47	DOE	Stanford Linear Accelerator Center	1402	
48	DOD/NAVY	Engineer Waterways Experiment Station	1399	FLC
49	DOD/AF	Rome Air Development Center	1323	FLC
50	DOD/NAVY	Naval Weapons Station Earle	1300	
51	USDA/ARS	Beltsville Agricultural Research Center	1247	
52	DOD/ARMY	Harry Diamond Lab	1154	FLC
53	DOD/AF	Air Force Weapons Lab	1111	FLC
54	DPE	Savannah River	1062	
		Savannah River Lab, SC		
		Savannah River Ecology Lab, GA		
55	DOT	FAA Technical Center	1043	
56	HHS	Frederick Cancer Research Facility	1043	
57	DOD/AF	Brooks AFB, TX	1031	FLC
		School of Aerospace Medicine		
		Human Resources Lab		
58	HHS	Centers for Disease Control, Atlanta	1026	
		Center for Infectious Diseases		
		Clinical Chemistry Division		
59	DOD/ARMY	Missile R&D Command	1007	FLC
60	DOD/ARMY	Yuma Proving	986	
61	TVA	National Fertilizer Development Center	969	
62	DOD/ARMY	Walter Reed Army Institute of Research	913	FLC
63	DOD/ARMY	Tank-Automotive Command	835	FLC
64	DOD/ARMY	Electronic Proving Ground	800	
65	DOD/ARMY	Fort Detrick, MD	792	FLC
		Medical Research Inst. of Infectious Diseases		
		Medical R&D Command		
		Medical Bioengineering R&D Lab		
66	DOD/NAVY	Dugway Proving Grounds	778	FLC
67	DOD/NAVY	Naval Coastal Systems Center	732	FLC
68	DOE	Solar Energy Research Institute	725	FLC
69	EPA	Research Triangle Park, NC	719	FLC
		Health Effects Research Lab		
		Industrial Environmental Research Lab		
		Environmental Science Research Lab		
		Environmental Monitoring Systems Lab		
70	NSF	National Center for Atmospheric Research	676	
71	DOD/ARMY	Materials and Mechanics Research Center	622	FLC
72	DOD/AF	Geophysics Laboratory	618	FLC
73	DOT	Transportation Systems Center	600	FLC
74	DOD/NAVY	Air Propulsion Center	595	
75	DOD/ARMY	Aviation Research and Technology Lab	560	

TABLE 4  
FEDERAL LABORATORIES LISTED IN ORDER OF TOTAL STAFF SIZE

SEQ#1	AGENCY	LAB	TOTAL
1	DOE	SANDIA NATIONAL LABORATORIES	7639
2	DOE	LAWRENCE LIVERMORE NATIONAL LABORATORY	7102
3	DOE	LOS ALAMOS NATIONAL LABORATORY	6937
4	DOD/AF	ARMAMENT DIVISION	6389
5	DOE	OAK RIDGE NATIONAL LABORATORY	5175
6	DOD/AF	FLIGHT TEST CENTER	5136
7	DOE	ARGONNE NATIONAL LABORATORY	5118
8	DOE	IDAHO NATIONAL ENGINEERING LABORATORY	5100
9	DOD/NAVY	PACIFIC MISSILE TEST CENTER	4803
10	DOD/NAVY	SURFACE WEAPONS CENTER	4732
11	DOD/NAVY	NAVAL WEAPONS CENTER	4540
12	DOI/USGS	USGS CENTRAL REGION	4500
13	DOE	BROOKHAVEN NATIONAL LABORATORY	4102
14	NASA	JET PROPULSION LABORATORY	3788
15	DOI/USGS	USGS WESTERN REGION	3676
16	DOD/ARMY	WHITE SANDS MISSILE RANGE	3672
17	DOD/NAVY	AIR TEST CENTER	3566
18	NASA	GEORGE C. MARSHALL SPACE FLIGHT CENTER	3563
19	NASA	LYNDON B. JOHNSON SPACE CENTER	3508
20	NASA	GODDARD SPACE FLIGHT CENTER	3436
21	DOD/NAVY	RESEARCH LABORATORY	3394
22	DOE	BETTIS ATOMIC POWER LABORATORY	3358
23	DOE	LAWRENCE BERKELEY LABORATORY	3158
24	DOC	NATIONAL BUREAU OF STANDARDS	3072
25	DOI/USGS	USGS NATIONAL CENTER	3000
26	NASA	LANGLEY RESEARCH CENTER	2966
27	DOE	KNOLLS ATOMIC POWER LABORATORY	2913
28	NASA	LEWIS RESEARCH CENTER	2822
29	DOD/NAVY	NAVAL UNDERWATER SYSTEMS CENTER	2800
30	DOD/NAVY	OCEAN SYSTEMS CENTER	2791
31	DOD/NAVY	DAVID TAYLOR NAVAL SHIP R AND D CENTER	2567
32	DOD/NAVY	NAVAL AIR DEVELOPMENT CENTER	2399
33	NASA	JOHN F. KENNEDY SPACE CENTER	2201
34	DOD/NAVY	NAVAL AVIONIC CENTER	2150
35	DOE	PACIFIC NORTHWEST LABORATORY	2084
36	DOE	FERMI NATIONAL ACCELERATOR LABORATORY	1982
37	DOE	HANFORD ENGINEERING DEVELOPMENT LABORATORY	1926
38	DOD/ARMY	LARGE CALIBER WEAPONS SYSTEM LABORATORY	1791
39	DOD/NAVY	NAVAL AIR ENGINEERING CENTER	1776
40	NASA	AMES RESEARCH CENTER	1651
41	HHS	NATIONAL CANCER INSTITUTE	1606
42	DOE	PRINCETON PLASMA PHYSICS LABORATORY	1406
43	DOE	STANFORD LINEAR ACCELERATOR CENTER	1402
44	DOD/ARMY	ENGINEER WATERWAYS EXPERIMENT STATION	1399
45	DOD/AF	ROME AIR DEVELOPMENT CENTER	1323
46	DOD/NAVY	NAVAL WEAPONS STATION EARL	1300
47	DOD/ARMY	MOBILITY EQUIPMENT R&D COMMAND	1262
48	USDA/ARS	BELTSVILLE AGRICULTURAL RESEARCH CENTER	1247
49	DOD/ARMY	NATICK R&D COMMAND	1187
50	DOD/ARMY	HARRY DIAMOND LABORATORIES	1154

FEDERAL LABORATORIES LISTED IN ORDER OF TOTAL STAFF SIZE(CONT)

SEQ#1	AGENCY	LAB	TOTAL
51	DOD/AF	WEAPONS LABORATORY	1111
52	DOT	FEDERAL AVIATION ADMIN. TECHNICAL CENTER	1043
53	HHS	FREDERICK CANCER RESEARCH FACILITY	1043
54	DOD/ARMY	MISSILE RESEARCH AND DEVELOPMENT COMMAND	1001
55	DOE	SAVANNAH RIVER LABORATORY	995
56	DOD/ARMY	YUMA PROVING GROUND	986
57	TVA	NATIONAL FERTILIZER DEVELOPMENT CENTER	969
58	DOD/AF	AVIONICS LABORATORY	944
59	DOD/AF	FLIGHT DYNAMICS LABORATORY	920
60	DOD/ARMY	MATERIEL TESTING DIRECTORATE	917
61	DOD/ARMY	WALTER REED ARMY INSTITUTE OF RESEARCH	913
62	HHS	CENTER FOR INFECTIOUS DISEASES	908
63	DOD/ARMY	CHEMICAL SYSTEMS LABORATORY	907
64	DOD/ARMY	TANK R&D COMMAND	835
65	DOD/ARMY	ELECTRONIC PROVING GROUND	800
66	DOD/ARMY	BALLISTIC RESEARCH LABORATORY	781
67	DOD/ARMY	DUGWAY PROVING GROUND	778
68	DOD/NAVY	COASTAL SYSTEMS CENTER	732
69	DOD/AF	WESTERN SPACE AND MISSILE CENTER	724
70	DOE	SOLAR ENERGY RESEARCH INSTITUTE	724
71	NSF	NATIONAL CENTER FOR ATMOSPHERIC RESEARCH	676
72	DOD/AF	SCHOOL OF AEROSPACE MEDICINE	666
73	DOD/ARMY	MATERIALS AND MECHANICS RESEARCH CENTER	622
74	DOD/AF	GEOPHYSICS LABORATORY	618
75	DOT	TRANSPORTATION SYSTEMS CENTER	600
76	DOD/NAVY	AIR PROPULSION CENTER	595
77	DOD/ARMY	FIRE CONTROL AND SMALL CALIBER WEAPONS SYSTEM	579
78	DOD/ARMY	AVIATION RESEARCH AND TECHNOLOGY LABS	560
79	HHS	NAT. INST. OF ARTH., DIABETES, & DIGEST. & KID	544
80	DOE	AMES LABORATORY	539
81	DOD/ARMY	ATMOSPHERIC SCIENCES LABORATORY	533
82	DOD/ARMY	MEDICAL RESEARCH INST. OF INFECTIOUS DISEASES	507
83	HHS	NEUROLOGY & COMMUNICATIVE DISORDERS RES. LAB	501
84	HHS	NAT. INST. OF ALLERGY AND INFECTIOUS DISEASES	500
85	DOD/ARMY	ELECTRONIC WARFARE LABORATORY	496
86	DOD/ARMY	NIGHT VISION AND ELECTRO-OPTICS LABORATORY	491
87	DOD/NAVY	MEDICAL RESEARCH INSTITUTE	489
88	NASA	HUGH L. DRYDEN FLIGHT RESEARCH CENTER	465
89	DOD/ARMY	COMMUNICATIONS R&D COMMAND	449
90	DOD/ARMY	MATERIAL SYSTEMS ANALYSIS ACTIVITY	440
91	DOD/NAVY	WEAPONS EVALUATION FACILITY	434
92	DOD/AF	ROCKET PROPULSION LABORATORY	431
93	HHS	INTRAMURAL RES. PROG.-NIMH	430
94	DOD/NAVY	OFFICE OF NAVAL RESEARCH	429
95	DOJ	FEDERAL BUREAU OF INVESTIGATION LABORATORY	429
96	HHS	NAT. INST. OF ENVIRONMENTAL HEALTH SCIENCES	429
97	HHS	NAT. INST. OF CHILD HEALTH AND HUMAN DEV.	426
98	DOD/AF	MATERIALS LABORATORY	413
99	DOT	TRANSPORTATION TEST CENTER	400
100	DOE	OAK RIDGE ASSOCIATED UNIVERSITIES	398

FEDERAL LABORATORIES LISTED IN ORDER OF TOTAL STAFF SIZE(CONT)

SEQ#1	AGENCY	LAB	TOTAL
101	USDA/FS	NORTHEASTERN FOREST EXPERIMENT STATION	396
102	NASA	WALLOPS FLIGHT CENTER	382
103	DOD/AF	HUMAN RESOURCES LABORATORY	365
104	HHS	NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	362
105	DOD/ARMY	RES. INST. FOR BEHAVIORAL AND SOCIAL SCIENCES	358
106	DOE	PITTSBURGH ENERGY TECHNOLOGY CENTER	352
107	USDA/FS	NORTH CENTRAL EXPERIMENT STATION	346
108	USDA/FS	FOREST PRODUCTS LABORATORY	339
109	USDA/ARS	PLUM ISLAND ANIMAL DISEASE CENTER	337
110	NSF	NATIONAL RADIO ASTRONOMY OBSERVATORY	332
111	DOE	ENERGY TECHNOLOGY ENGINEERING CENTER	330
112	EPA	HEALTH EFFECTS RESEARCH LABORATORY	328
113	DOD/NAVY	CIVIL ENGINEERING LABORATORY	325
114	DOD/ARMY	AVIATION DEVELOPMENT TEST ACTIVITY	324
115	USDA/ARS	WESTERN REGIONAL RESEARCH CENTER	322
116	USDA/ARS	EASTERN REGIONAL RESEARCH CENTER	322
117	USDA/FS	SOUTHERN FOREST EXPERIMENT STATION	322
118	TVA	ENERGY DEMONSTRATIONS AND TECHNOLOGY	321
119	DOD/ARMY	ENGINEER TOPOGRAPHIC LABORATORIES	314
120	USDA/ARS	NORTHERN REGIONAL RESEARCH CENTER	306
121	DOD/ARMY	COLD REGIONS TEST CENTER	304
122	DOD/NAVY	PERSONNEL RESEARCH AND DEVELOPMENT CENTER	294
123	DOD/AF	AEROSPACE MEDICAL RESEARCH LABORATORY	289
124	NSF	KITT PEAK NATIONAL OBSERVATORY	288
125	USDA/FS	SOUTHEASTERN FOREST EXPERIMENT STATION	287
126	USDA/FS	PACIFIC NORTHWEST EXPERIMENT STATION	282
127	DOD/ARMY	LETTERMAN ARMY INSTITUTE OF RESEARCH	278
128	DOD/ARMY	ELECTRONICS TECHNOLOGY AND DEVICES LABORATORY	278
129	DOD/ARMY	COLD REGIONS R&D LABORATORY	277
130	HHS	DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY	274
131	USDA/ARS	NATIONAL ANIMAL DISEASE CENTER	272
132	DOD/NAVY	OCEAN R AND D ACTIVITY	271
133	HHS	INTRAMURAL RES. PROG.-NIDR	266
134	DOI/BOM	PITTSBURGH MINING AND SAFETY RES. CENTER	259
135	USDA/FS	PACIFIC SOUTHWEST FOREST EXPERIMENT STATION	255
136	DOE	MORGANTOWN ENERGY TECHNOLOGY CENTER	251
137	USDA/FS	INTERMOUNTAIN FOREST AND RANGE EXP. STA.	240
138	HHS	APPALACHIAN LAB FOR OCC. SAFETY AND HEALTH	239
139	HHS	GERENTOLOGY RES CENTER-NAT. INST. ON AGING	238
140	DOD/ARMY	SIGNALS WARFARE LABORATORY	237
141	DOI	ENGINEERING AND RESEARCH LABORATORY	230
142	USDA/FS	ROCKY MOUNTAIN FORESTRY AND RANGE EXP. STATION	230
143	DOD/ARMY	INSTITUTE OF SURGICAL RESEARCH	229
144	DOD/AF	ARNOLD ENGINEERING DEVELOPMENT CENTER	223
145	DOD/ARMY	AVIONICS R&D ACTIVITY	223
146	DOD	ARMED FORCES RADIobiology RESEARCH LAB	216
147	DOE	INHALATION TOXICOLOGY RESEARCH INSTITUTE	212
148	DOI/FWS	DENVER WILDLIFE RESEARCH CENTER	208
149	DOD/ARMY	CONSTRUCTION ENGINEERING RESEARCH LABORATORY	207
150	DOD/NAVY	EXPLOSIVE ORDNANCE DISPOSAL FACILITY	201

FEDERAL LABORATORIES LISTED IN ORDER OF TOTAL STAFF SIZE(CONT)

SEQ#1	AGENCY	LAB	TOTAL
151	DOT	FAIRBANK HIGHWAY RESEARCH STATION	200
152	DOT	CIVIL AEROMEDICAL INSTITUTE	200
153	DOC/NOAA	NORTHWEST AND ALASKA FISHERIES CENTER	192
154	DOD/ARMY	MEDICAL RESEARCH INST. OF CHEM. DEFENSE	187
155	DOI/BOM	TWIN CITIES RESEARCH CENTER	181
156	DOD/ARMY	COMBAT SURVEILLANCE AND TARGET AQUISITION LA	179
157	DOI/FWS	PAUTUXENT WILDLIFE RESEARCH CENTER	178
158	DOD/ARMY	RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	175
159	DOD/ARMY	HUMAN ENGINEERING LABORATORY	175
160	HHS	INTRAMURAL RESEARCH PROGRAM-NEI	173
161	DOE	BARTLESVILLE ENERGY TECHNOLOGY CENTER	172
162	DOD/NAVY	AEROSPACE MEDICAL RESEARCH LABORATORY	169
163	DOD/ARMY	AVIATION ENGINEERING FLIGHT ACTIVITY	166
164	DOI/BOM	ALBANY METALLURGY RESEARCH CENTER	162
165	EPA	MUNICIPAL ENVIRONMENTAL RESEARCH LABORATORY	161
166	USDA/ARS	RICHARD B. RUSSELL AG. RES. CENTER	160
167	NSF	NATIONAL ASTRONOMY AND IONOSPHERE CENTER	150
168	DOD/ARMY	MEDICAL R&D COMMAND	149
169	DOE	LARAMIE ENERGY TECHNOLOGY CENTER	148
170	DOT	U.S. COAST GUARD R&D CENTER	148
171	DOE	LAB. OF NUCLEAR MEDICINE AND RAD. BIOLOGY, UCL	145
172	NSF	CERRO TOLOLO INTER-AMERICAN OBSERVATORY	144
173	DOD/ARMY	AEROMEDICAL RESEARCH LABORATORY	142
174	DOD/ARMY	TROPIC TEST CENTER	141
175	DOD/NAVY	ORDNANCE MISSILE TEST FACILITY	140
176	DOD/ARMY	MEDICAL BIOENGINEERING R&D LABORATORY	136
177	EPA	INDUSTRIAL ENVIRONMENTAL RESEARCH LAB-RTP	133
178	EPA	ENVIRONMENTAL SCIENCES RESEARCH LABORATORY	132
179	HHS	NAT. INST. OF ALLERGY AND INFECTIOUS DISEASES	128
180	USDA/ARS	BELTSVILLE HUMAN NUTRITION RESEARCH CENTER	128
181	EPA	ENVIRONMENTAL MONITORING SYST. LAB-RTP	126
182	EPA	ENVIRONMENTAL MONITORING SYST. LAB-LV	123
183	HHS	INTRAMURAL RES. PROG.-NIMH-DIV. OF SP. MENTAL	120
184	HHS	CLINICAL CHEMISTRY DIVISION	118
185	DOC/NOAA	SYSTEMS DEVELOPMENT OFFICE	115
186	DOI/FWS	NATIONAL FISHERIES CENTER-LEETOWN	115
187	DOC/NOAA	AIR RESOURCES LABORATORY	113
188	DOD/NAVY	HEALTH RESEARCH CENTER	113
189	HHS	TAFT FACILITY-BIOMED. AND BEHAVIORAL SCI.	113
190	DOC/NOAA	ATLANTIC OCEANOGRAPHIC AND METEOROLOGICAL LAB	111
191	DOE	UNIVERSITY OF ROCHESTER BIOMEDICAL LABORATORY	110
192	DOC/NOAA	SOUTHEAST FISHERIES CENTER	109
193	DOI/BOM	SALT LAKE CITY METALLURGY RES. CENTER	108
194	DOC/NOAA	NORTHEAST FISHERIES CENTER	106
195	DOD/ARMY	INSTITUTE OF DENTAL RESEARCH	106
196	HHS	RIDGE FACILITY-PHYSICAL SCI. AND ENGINEERING	106
197	DOD/AF	ENGINEERING AND SERVICES CENTER/ R&D	104
198	USDA/ARS	METABOLISM AND RADIATION RESEARCH LABORATORY	104
199	NASA	NATIONAL SPACE TECHNOLOGY LABORATORIES	103
200	DOI/FWS	COLUMBIA NATIONAL FISHERY RES. LAB	97

FEDERAL LABORATORIES LISTED IN ORDER OF TOTAL STAFF SIZE(CONT)

SEQ#1	AGENCY	LAB	TOTAL
201	DOD/ARMY	ARMY RESEARCH OFFICE	96
202	DOE	ENVIRONMENTAL MEASUREMENT LABORATORY	95
203	DOC	INSTITUTE FOR TELECOMMUNICATION SCIENCES	94
204	DOD/NAVY	SUBMARINE MEDICAL RESEARCH LABORATORY	94
205	DOI/BOM	DENVER MINING RESEARCH CENTER	93
206	DOE	COMPARATIVE ANIMAL RESEARCH LAB	92
207	DOI/BOM	SPOKANE MINING RESEARCH CENTER	90
208	DOI/FWS	GREAT LAKES FISHERY LAB	89
209	USDA/ARS	SOUTHEAST WATERSHED RESEARCH LABORATORY	87
210	DOI/BOM	AVONDALE METALLURGY RESEARCH CENTER	86
211	SMITHSON	NATIONAL MUSEUM OF NATURAL HISTORY	85
212	EPA	ENVIRONMENTAL RESEARCH LAB-CORVALLIS	84
213	EPA	ENVIRONMENTAL RESEARCH LAB-DULUTH	83
214	DOD/NAVY	UNDERSEA RANGES DEPARTMENT	82
215	TVA	ENGINEERING LABORATORY	82
216	DOD/NAVY	MEDICAL RESEARCH UNIT NO. 3	81
217	DOC/NOAA	GEOPHYSICAL FLUID DYNAMICS LABORATORY	80
218	EPA	ENVIRONMENTAL MONITORING SUPPORT LABORATORY	79
219	EPA	ENVIRONMENTAL RESEARCH LABORATORY -ATHENS	78
220	USDA/ARS	INSECT ATTRACTANTS, BEHAVIOR & BASIC BIO. RES.	78
221	DOI/BOM	RENO METALLURGY RESEARCH CENTER	76
222	DOC/NOAA	SANDY HOOK LABORATORY	75
223	DOE	BATES LINEAR ACCELERATOR FACILITY	75
224	EPA	INDUSTRIAL ENVIRONMENTAL RESEARCH LAB-CIN.	74
225	DOC/NOAA	SOUTHWEST FISHERIES CENTER	73
226	SMITHSON	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	72
227	DOE	NOTRE DAME RADIATION LABORATORY	71
228	DOC/NOAA	WAVE PROPAGATION LABORATORY	70
229	DOE	SAVANNAH RIVER ECOLOGY LABORATORY	69
230	DOC/NOAA	SPACE ENVIRONMENT LABORATORY	68
231	DOE	GRAND FORKS ENERGY TECHNOLOGY CENTER	68
232	DOC/NOAA	OFFICE OF WEATHER RESEARCH AND MODIFICATION	66
233	DOI/BOM	ROLLA METALLURGY RESEARCH CENTER	65
234	USDA/ARS	U.S. GRAIN MARKETING RESEARCH CENTER	64
235	USDA/ARS	U.S. HORTICULTURAL LABORATORY	62
236	USDA/ARS	CROPS RESEARCH LABORATORY	62
237	DOE	NEW BRUNSWICK LABORATORY	60
238	SMITHSON	RADIATION BIOLOGY LABORATORY	60
239	DOI/FWS	NORTHERN PRAIRIE WILDLIFE RESEARCH CENTER	57
240	DOC/NOAA	BEAUFORT LABORATORY	56
241	DOD/NAVY	CLOTHING AND TEXTILE RESEARCH FACILITY	56
242	USDA/ARS	REGIONAL POULTRY RESEARCH LABORATORY	56
243	USDA/ARS	ROMAN L. HRUSKA U.S. MEAT ANIMAL RES. LAB	56
244	EPA	ROBERT S. KERR ENVIRONMENTAL RESEARCH LAB	55
245	EPA	ENVIRONMENTAL RESEARCH LAB-RI	55
246	DOE	RADIOBIOLOGY LABORATORY, UNIV. OF UTAH	54
247	EPA	ENVIRONMENTAL RESEARCH LAB-SABINE	54
248	USDA/ARS	INSECTS AFFECTING MAN AND ANIMALS RES. LAB	54
249	DOC/NOAA	PACIFIC MARINE ENVIRONMENTAL LABORATORY	53
250	DOI/BOM	TUSCALOOSA METALLURGY RESEARCH CENTER	53

FEDERAL LABORATORIES LISTED IN ORDER OF TOTAL STAFF SIZE(CONT)

SEQ#1	AGENCY	LAB	TOTAL
251	DOI/FWS	SEATTLE NATIONAL FISHERY RESEARCH CENTER	53
252	USDA/ARS	STORED-PRODUCTS INSECTS RES. & DEV. LAB	52
253	NSF	SACRAMENTO PEAK OBSERVATORY	51
254	DOC/NOAA	RESEARCH FACILITIES CENTER	50
255	DOE	MICH STATE UNIV./DOE PLANT RESEARCH LAB	50
256	DOE	CENTER FOR ENERGY AND ENVIRONMENTAL RESEARCH	50
257	USDA/ARS	VETERINARY TOXICOLOGY AND ENTOMOLOGY LAB	48
258	DOC/NOAA	AUKE BAY LABORATORY	47
259	DOC/NOAA	GREAT LAKES ENVIRONMENTAL RESEARCH LAB	47
260	DOD/NAVY	DENTAL RESEARCH INSTITUTE NTC	47
261	USDA/ARS	SNAKE RIVER CONSERVATION RESEARCH CENTER	47
262	USDA/ARS	TROPICAL FRUIT AND VEGETABLE RES. FACILITY	46
263	USDA/ARS	ARTHROPOD-BORNE ANIMAL DISEASES RES. LAB	45
264	DOC/NOAA	AERONOMY LABORATORY	44
265	USDA/ARS	OILSEED AND FOOD LABORATORY	44
266	USDA/ARS	SEDIMENTATION LABORATORY	43
267	USDA/ARS	U. S. LIVESTOCK INSECTS LABORATORY	43
268	DOE	LAB OF RADIobiology AND ENV. HEALTH/ UC	42
269	USDA/ARS	WESTERN COTTON RESEARCH LABORATORY	42
270	USDA/ARS	NORTHERN GREAT PLAINS RESEARCH CENTER	42
271	DOC/NOAA	HONOLULU LABORATORY	41
272	DOC/NOAA	NATIONAL SEVERE STORMS LABORATORY	41
273	DOI/FWS	NATIONAL FISHERY RESEARCH LAB-LA CROSSE	41
274	USDA/ARS	BOLL WEEVIL RESEARCH LABORATORY	41
275	DOE	LAB. FOR ENERGY-RELATED HEALTH RES., UC/DAVIS	40
276	USDA/ARS	U.S. WATER CONSERVATION LABORATORY	40
277	USDA/ARS	APPALACHIAN FRUIT RESEARCH STATION	38
278	DOC/NOAA	SATELLITE EXPERIMENT LABORATORY	37
279	USDA/ARS	COTTON TEXTILE PROCESSING LABORATORY	37
280	DOC/NOAA	MISSISSIPPI LABORATORIES	36
281	USDA/ARS	TOBACCO RESEARCH LABORATORY	36
282	DOI/BOM	BOULDER CITY METALLURGY ENGINEERING LAB	35
283	USDA/ARS	SOUTHEAST POULTRY RESEARCH LABORATORY	35
284	USDA/ARS	BIOENVIRONMENTAL INSECTS CONTROL LABORATORY	35
285	DOC/NOAA	CHARLESTON LABORATORY	34
286	DOT	VEHICLE RESEARCH AND TEST CENTER	34
287	USDA/ARS	COMPOSITION AND PROPERTIES LABORATORY	34
288	USDA/ARS	SOUTHERN WEED SCIENCE LABORATORY	34
289	DOD/AF	FRANK J. SEIBLER RESEARCH LABORATORY	33
290	USDA/ARS	LIVESTOCK INSECTS RESEARCH LABORATORY	33
291	SMITHSON	SMITHSONIAN TROPICAL RESEARCH INST.	32
292	TVA	AIR RESOURCES PROGRAM-RESEARCH SECTION	32
293	USDA/ARS	SOUTHEASTERN FRUIT & TREE NUT RES. LAB	32
294	USDA/ARS	CROP SCIENCE AND ENGINEERING RES. LABORATORY	32
295	USDA/ARS	WATER QUALITY MANAGEMENT LABORATORY	32
296	USDA/ARS	GRASSLAND, SOIL AND WATER RESEARCH LABORATORY	32
297	USDA/ARS	YAKIMA AGRICULTURAL RESEARCH LABORATORY	31
298	DOC/NOAA	GALVESTON LABORATORY	30
299	DOI/FWS	NATIONAL WILDLIFE HEALTH LABORATORY	30
300	USDA/ARS	SOUTHERN PIEDMONT CONSERVATION LABORATORY	30

FEDERAL LABORATORIES LISTED IN ORDER OF TOTAL STAFF SIZE (CONT)

SEQ#1	AGENCY	LAB	TOTAL
301	USDA/ARS	U.S. SUGARCANE FIELD LABORATORY	30
302	USDA/ARS	NATURAL POLYMERS LABORATORY	30
303	USDA/ARS	ENGINEERING AND DEVELOPMENT LABORATORY	29
304	DOC/NOAA	GLoucester LABORATORY	28
305	USDA/ARS	U.S. VEGETABLE LABORATORY	28
306	USDA/ARS	NORTHERN GRAIN INSECTS RESEARCH LABORATORY	28
307	USDA/ARS	CONSERVATION AND PRODUCTION RESEARCH LAB	28
308	DOC/NOAA	ENGINEERING DEVELOPMENT OFFICE	27
309	DOC/NOAA	NATIONAL MARINE MAMMAL LABORATORY	27
310	DOC/NOAA	MILFORD LABORATORY	26
311	USDA/ARS	FRUIT AND VEGETABLE CHEM. RES. UNIT	26
312	USDA/ARS	SOIL EROSION LABORATORY	26
313	USDA/ARS	BIOLOGICAL CONTROL OF INSECTS RESEARCH LAB	25
314	SMITHSON	CHESAPEAKE BAY CENTER FOR ENV. STUDIES	24
315	USDA/ARS	COTTON TEXTILE CHEMISTRY LABORATORY	24
316	DOC/NOAA	NARRAGANSETT LABORATORY	23
317	USDA/ARS	COTTON RESEARCH LABORATORY	23
318	DOC/NOAA	HYDROLOGICAL RESEARCH LABORATORY	20
319	USDA/ARS	U.S. PLANT, SOIL, AND NUTRITION LABORATORY	20
320	DOC/NOAA	TIBURON LABORATORY	18
321	DOC/NOAA	PANAMA CITY LABORATORY	18
322	SMITHSON	NATIONAL ZOOLOGICAL PARK AND CONS. CENTER	18
323	USDA/ARS	DAIRY FORAGE RESEARCH CENTER	18
324	USDA/ARS	CITRUS AND SUB-TROPICAL PRODUCTS LABORATORY	17
325	HHS	CLINICAL RES. SEC. & S.W. FIELD STUDIES SEC.	16
326	USDA/ARS	WEED RESEARCH LABORATORY	16
327	DOC/NOAA	KODIAK LABORATORY	15
328	DOC/NOAA	GEODETIC RESEARCH AND DEVELOPMENT LABORATORY	15
329	VA	BIRMINGHAM VA MEDICAL CENTER	10+
330	VA	LITTLE ROCK VA MEDICAL CENTER	10+
331	VA	TUCSON VA MEDICAL CENTER	10+
332	VA	LONG BEACH VA MEDICAL CENTER	10+
333	VA	LOS ANGELES BRENTWOOD VA MEDICAL CENTER	10+
334	VA	LOS ANGELES WADSWORTH DIV. VA MEDICAL CENTER	10+
335	VA	MARTINEZ VA MEDICAL CENTER	10+
336	VA	PALO ALTO VA MEDICAL CENTER	10+
337	VA	SAN DIEGO VA MEDICAL CENTER	10+
338	VA	SAN FRANCISCO VA MEDICAL CENTER	10+
339	VA	SEPULVEDA VA MEDICAL CENTER	10+
340	VA	DENVER VA MEDICAL CENTER	10+
341	VA	WEST HAVEN VA MEDICAL CENTER	10+
342	VA	WASHINGTON VA MEDICAL CENTER	10+
343	VA	GAINESVILLE VA MEDICAL CENTER	10+
344	VA	MIAMI VA MEDICAL CENTER	10+
345	VA	TAMPA VA MEDICAL CENTER	10+
346	VA	AUGUSTA VA MEDICAL CENTER	10+
347	VA	IOWA CITY VA MEDICAL CENTER	10+
348	VA	CHICAGO LAKESIDE VA MEDICAL CENTER	10+
349	VA	CHICAGO WEST SIDE VA MEDICAL CENTER	10+
350	VA	HINES VA MEDICAL CENTER	10+

FEDERAL LABORATORIES LISTED IN ORDER OF TOTAL STAFF SIZE(CONT)

SEQ#1	AGENCY	LAB	TOTAL
351	VA	INDIANAPOLIS VA MEDICAL CENTER	10+
352	VA	LEXINGTON VA MEDICAL CENTER	10+
353	VA	NEW ORLEANS VA MEDICAL CENTER	10+
354	VA	BEDFORD VA MEDICAL CENTER	10+
355	VA	BOSTON VA MEDICAL CENTER	10+
356	VA	WEST ROXBURY VA MEDICAL CENTER	10+
357	VA	ANN ARBOR VA MEDICAL CENTER	10+
358	VA	MINNEAPOLIS VA MEDICAL CENTER	10+
359	VA	COLUMBIA VA MEDICAL CENTER	10+
360	VA	KANSAS CITY VA MEDICAL CENTER	10+
361	VA	ST. LOUIS VA MEDICAL CENTER	10+
362	VA	DURHAM VA MEDICAL CENTER	10+
363	VA	OMAHA VA MEDICAL CENTER	10+
364	VA	EAST ORANGE VA MEDICAL CENTER	10+
365	VA	ALBANY VA MEDICAL CENTER	10+
366	VA	BRONX VA MEDICAL CENTER	10+
367	VA	BROOKLYN VA MEDICAL CENTER	10+
368	VA	BUFFALO VA MEDICAL CENTER	10+
369	VA	NEW YORK VA MEDICAL CENTER	10+
370	VA	SYRACUSE VA MEDICAL CENTER	10+
371	VA	CINCINNATI VA MEDICAL CENTER	10+
372	VA	CLEVELAND VA MEDICAL CENTER	10+
373	VA	OKLAHOMA CITY VA MEDICAL CENTER	10+
374	VA	PORTLAND VA MEDICAL CENTER	10+
375	VA	PHILADELPHIA VA MEDICAL CENTER	10+
376	VA	PITTSBURGH VA MEDICAL CENTER	10+
377	VA	CHARLESTON VA MEDICAL CENTER	10+
378	VA	MEMPHIS VA MEDICAL CENTER	10+
379	VA	NASHVILLE VA MEDICAL CENTER	10+
380	VA	DALLAS VA MEDICAL CENTER	10+
381	VA	HOUSTON VA MEDICAL CENTER	10+
382	VA	SAN ANTONIO VA MEDICAL CENTER	10+
383	VA	SALT LAKE CITY VA MEDICAL CENTER	10+
384	VA	RICHMOND VA MEDICAL CENTER	10+
385	VA	SEATTLE VA MEDICAL CENTER	10+
386	VA	MADISON VA MEDICAL CENTER	10+
387	VA	WOOD VA MEDICAL CENTER	10+
388	VA	ALBUQUERQUE VA MEDICAL CENTER	10+

TABLE 5  
FEDERAL LABORATORIES LISTED BY STATE

ST	AGENCY	LAB	TOTAL
AK	DOC/NOAA	AUKE BAY LABORATORY	47
AK	DOC/NOAA	KODIAK LABORATORY	15
AL	NASA	GEORGE C. MARSHALL SPACE FLIGHT CENTER	3563
AL	DOD/ARMY	MISSILE RESEARCH AND DEVELOPMENT COMMAND	1001
AL	TVA	NATIONAL FERTILIZER DEVELOPMENT CENTER	969
AL	DOD/ARMY	AVIATION DEVELOPMENT TEST ACTIVITY	324
AL	DOD/ARMY	AEROMEDICAL RESEARCH LABORATORY	142
AL	DOI/BOM	TUSCALOOSA METALLURGY RESEARCH CENTER	53
AL	TVA	AIR RESOURCES PROGRAM-RESEARCH SECTION	32
AL	VA	BIRMINGHAM VA MEDICAL CENTER	10+
AR	VA	LITTLE ROCK VA MEDICAL CENTER	10+
AZ	DOD/ARMY	YUMA PROVING GROUND	986
AZ	DOD/ARMY	ELECTRONIC PROVING GROUND	800
AZ	NSF	KITT PEAK NATIONAL OBSERVATORY	288
AZ	USDA/ARS	WESTERN COTTON RESEARCH LABORATORY	42
AZ	USDA/ARS	U.S. WATER CONSERVATION LABORATORY	40
AZ	HHS	CLINICAL RES. SEC. & S.W. FIELD STUDIES SEC.	16
AZ	VA	TUCSON VA MEDICAL CENTER	10+
CA	DOE	LAWRENCE LIVERMORE NATIONAL LABORATORY	7102
CA	DOD/AF	FLIGHT TEST CENTER	5136
CA	DOD/NAVY	PACIFIC MISSILE TEST CENTER	4803
CA	DOD/NAVY	NAVAL WEAPONS CENTER	4540
CA	NASA	JET PROPULSION LABORATORY	3788
CA	DOI/USGS	USGS WESTERN REGION	3676
CA	DOE	LAWRENCE BERKELEY LABORATORY	3158
CA	DOD/NAVY	OCEAN SYSTEMS CENTER	2791
CA	NASA	AMES RESEARCH CENTER	1651
CA	DOE	STANFORD LINEAR ACCELERATOR CENTER	1402
CA	DOD/AF	WESTERN SPACE AND MISSILE CENTER	724
CA	DOD/ARMY	AVIATION RESEARCH AND TECHNOLOGY LABS	560
CA	NASA	HUGH L. DRYDEN FLIGHT RESEARCH CENTER	465
CA	DOD/AF	ROCKET PROPULSION LABORATORY	431
CA	DOE	ENERGY TECHNOLOGY ENGINEERING CENTER	330
CA	DOD/NAVY	CIVIL ENGINEERING LABORATORY	325
CA	USDA/ARS	WESTERN REGIONAL RESEARCH CENTER	322
CA	DOD/NAVY	PERSONNEL RESEARCH AND DEVELOPMENT CENTER	294
CA	DOD/ARMY	LETTERMAN ARMY INSTITUTE OF RESEARCH	278
CA	USDA/FS	PACIFIC SOUTHWEST FOREST EXPERIMENT STATION	255
CA	DOD/ARMY	AVIATION ENGINEERING FLIGHT ACTIVITY	166
CA	DOE	LAB. OF NUCLEAR MEDICINE AND RAD. BIOLOGY, UCL	145
CA	DOD/NAVY	HEALTH RESEARCH CENTER	113
CA	DOC/NOAA	SOUTHWEST FISHERIES CENTER	73
CA	DOE	LAB. OF RADIobiology AND ENV. HEALTH/ UC	42
CA	DOE	LAB. FOR ENERGY-RELATED HEALTH RES., UC/DAVIS	40
CA	USDA/ARS	FRUIT AND VEGETABLE CHEM. RES. UNIT	26
CA	DOC/NOAA	TIBURON LABORATORY	18
CA	VA	LONG BEACH VA MEDICAL CENTER	10+
CA	VA	LOS ANGELES BRENTWOOD VA MEDICAL CENTER	10+
CA	VA	LOS ANGELES WADSWORTH DIV. VA MEDICAL CENTER	10+
CA	VA	MARTINEZ VA MEDICAL CENTER	10+

FEDERAL LABORATORIES LISTED BY STATE (CONT)

ST	AGENCY	LAB	TOTAL
CA	VA	PALO ALTO VA MEDICAL CENTER	10+
CA	VA	SAN DIEGO VA MEDICAL CENTER	10+
CA	VA	SAN FRANCISCO VA MEDICAL CENTER	10+
CA	VA	SEPULVEDA VA MEDICAL CENTER	10+
CH	NSF	CERRO TOLOLO INTER-AMERICAN OBSERVATORY	144
CO	DOI/USGS	USGS CENTRAL REGION	4500
CO	DOE	SOLAR ENERGY RESEARCH INSTITUTE	724
CO	NSF	NATIONAL CENTER FOR ATMOSPHERIC RESEARCH	676
CO	DOT	TRANSPORTATION TEST CENTER	400
CO	DOI	ENGINEERING AND RESEARCH LABORATORY	230
CO	USDA/FS	ROCKY MOUNTAIN FORESTRY AND RANGE EXP. STATION	230
CO	DOI/FWS	DENVER WILDLIFE RESEARCH CENTER	208
CO	DOC	INSTITUTE FOR TELECOMMUNICATION SCIENCES	94
CO	DOI/BOM	DENVER MINING RESEARCH CENTER	93
CO	DOC/NOAA	WAVE PROPAGATION LABORATORY	70
CO	DOC/NOAA	SPACE ENVIRONMENT LABORATORY	68
CO	DOC/NOAA	OFFICE OF WEATHER RESEARCH AND MODIFICATION	66
CO	USDA/ARS	ARTHROPOD-BORNE ANIMAL DISEASES RES. LAB	45
CO	DOC/NOAA	AERONOMY LABORATORY	44
CO	DOD/AF	FRANK J. SEIBLER RESEARCH LABORATORY	33
CO	VA	DENVER VA MEDICAL CENTER	10+
CT	DOD/NAVY	NAVAL UNDERWATER SYSTEMS CENTER	2800
CT	DOT	U.S. COAST GUARD R&D CENTER	148
CT	DOD/NAVY	SUBMARINE MEDICAL RESEARCH LABORATORY	94
CT	DOE	BATES LINEAR ACCELERATOR FACILITY	75
CT	DOC/NOAA	MILFORD LABORATORY	26
CT	VA	WEST HAVEN VA MEDICAL CENTER	10+
CZ	DOD/ARMY	TROPIC TEST CENTER	141
CZ	SMITHSON	SMITHSONIAN TROPICAL RESEARCH INST.	32
DC	DOD/NAVY	RESEARCH LABORATORY	3394
DC	DOD/ARMY	HARRY DIAMOND LABORATORIES	1154
DC	DOD/ARMY	WALTER REED ARMY INSTITUTE OF RESEARCH	913
DC	DOD/NAVY	OFFICE OF NAVAL RESEARCH	429
DC	DOJ	FEDERAL BUREAU OF INVESTIGATION LABORATORY	429
DC	HHS	INTRAMURAL RES. PROG.-NIMH-DIV. OF SP. MENTAL	120
DC	DOD/ARMY	INSTITUTE OF DENTAL RESEARCH	106
DC	SMITHSON	NATIONAL MUSEUM OF NATURAL HISTORY	85
DC	SMITHSON	NATIONAL ZOOLOGICAL PARK AND CONS. CENTER	18
DC	VA	WASHINGTON VA MEDICAL CENTER	10+
EG	DOD/NAVY	MEDICAL RESEARCH UNIT NO. 3	81
FL	DOD/AF	ARMAMENT DIVISION	6389
FL	NASA	JOHN F. KENNEDY SPACE CENTER	2201
FL	DOD/NAVY	COASTAL SYSTEMS CENTER	732
FL	DOD/NAVY	AEROSPACE MEDICAL RESEARCH LABORATORY	169
FL	DOC/NOAA	ATLANTIC OCEANOGRAPHIC AND METEOROLOGICAL LAB	111
FL	DOC/NOAA	SOUTHEAST FISHERIES CENTER	109
FL	DOD/AF	ENGINEERING AND SERVICES CENTER/ R&D	104
FL	USDA/ARS	INSECT ATTRACTANTS, BEHAVIOR & BASIC BIO. RES.	78
FL	USDA/ARS	U.S. HORTICULTURAL LABORATORY	62
FL	EPA	ENVIRONMENTAL RESEARCH LAB-SABINE	54

FEDERAL LABORATORIES LISTED BY STATE (CONT)

ST	AGENCY	LAB	TOTAL
FL	USDA/ARS	INSECTS AFFECTING MAN AND ANIMALS RES. LAB	54
FL	DOC/NOAA	RESEARCH FACILITIES CENTER	50
FL	DOC/NOAA	PANAMA CITY LABORATORY	18
FL	USDA/ARS	CITRUS AND SUB-TROPICAL PRODUCTS LABORATORY	17
FL	VA	GAINESVILLE VA MEDICAL CENTER	10+
FL	VA	MIAMI VA MEDICAL CENTER	10+
FL	VA	TAMPA VA MEDICAL CENTER	10+
GA	HHS	CENTER FOR INFECTIOUS DISEASES	908
GA	USDA/ARS	RICHARD B. RUSSELL AG. RES. CENTER	160
GA	HHS	CLINICAL CHEMISTRY DIVISION	118
GA	USDA/ARS	SOUTHEAST WATERSHED RESEARCH LABORATORY	87
GA	EPA	ENVIRONMENTAL RESEARCH LABORATORY - ATHENS	78
GA	DOE	SAVANNAH RIVER ECOLOGY LABORATORY	69
GA	USDA/ARS	STORED-PRODUCTS INSECTS RES. & DEV. LAB	52
GA	USDA/ARS	SOUTHEAST POULTRY RESEARCH LABORATORY	35
GA	USDA/ARS	SOUTHEASTERN FRUIT & TREE NUT RES. LAB	32
GA	USDA/ARS	SOUTHERN PIEDMONT CONSERVATION LABORATORY	30
GA	VA	AUGUSTA VA MEDICAL CENTER	10+
HI	USDA/ARS	TROPICAL FRUIT AND VEGETABLE RES. FACILITY	46
HI	DOC/NOAA	HONOLULU LABORATORY	41
IA	DOE	AMES LABORATORY	539
IA	USDA/ARS	NATIONAL ANIMAL DISEASE CENTER	272
IA	VA	IOWA CITY VA MEDICAL CENTER	10+
ID	DOE	IDAHO NATIONAL ENGINEERING LABORATORY	5100
ID	USDA/ARS	SNAKE RIVER CONSERVATION RESEARCH CENTER	47
IL	DOE	ARGONNE NATIONAL LABORATORY	5118
IL	DOE	FERMI NATIONAL ACCELERATOR LABORATORY	1982
IL	USDA/ARS	NORTHERN REGIONAL RESEARCH CENTER	306
IL	DOD/ARMY	CONSTRUCTION ENGINEERING RESEARCH LABORATORY	207
IL	DOE	NEW BRUNSWICK LABORATORY	60
IL	DOD/NAVY	DENTAL RESEARCH INSTITUTE NTC	47
IL	VA	CHICAGO LAKESIDE VA MEDICAL CENTER	10+
IL	VA	CHICAGO WEST SIDE VA MEDICAL CENTER	10+
IL	VA	HINES VA MEDICAL CENTER	10+
IN	DOD/NAVY	NAVAL AVIONIC CENTER	2150
IN	DOE	NOTRE DAME RADIATION LABORATORY	71
IN	USDA/ARS	SOIL EROSION LABORATORY	26
IN	VA	INDIANAPOLIS VA MEDICAL CENTER	10+
KS	USDA/ARS	U.S. GRAIN MARKETING RESEARCH CENTER	64
KY	VA	LEXINGTON VA MEDICAL CENTER	10+
LA	USDA/FS	SOUTHERN FOREST EXPERIMENT STATION	322
LA	USDA/ARS	OILSEED AND FOOD LABORATORY	44
LA	USDA/ARS	COTTON TEXTILE PROCESSING LABORATORY	37
LA	USDA/ARS	COMPOSITION AND PROPERTIES LABORATORY	34
LA	USDA/ARS	U.S. SUGARCANE FIELD LABORATORY	30
LA	USDA/ARS	NATURAL POLYMERS LABORATORY	30
LA	USDA/ARS	ENGINEERING AND DEVELOPMENT LABORATORY	29
LA	USDA/ARS	COTTON TEXTILE CHEMISTRY LABORATORY	24
LA	VA	NEW ORLEANS VA MEDICAL CENTER	10+
MA	DOD/ARMY	NATICK R&D COMMAND	1187

FEDERAL LABORATORIES LISTED BY STATE (CONT)

ST	AGENCY	LAB	TOTAL
MA	DOD/ARMY	MATERIALS AND MECHANICS RESEARCH CENTER	622
MA	DOD/AF	GEOPHYSICS LABORATORY	618
MA	DOT	TRANSPORTATION SYSTEMS CENTER	600
MA	DOD/ARMY	RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	175
MA	DOC/NOAA	NORTHEAST FISHERIES CENTER	106
MA	SMITHSON	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	72
MA	DOD/NAVY	CLOTHING AND TEXTILE RESEARCH FACILITY	56
MA	DOC/NOAA	GLoucester LABORATORY	28
MA	VA	BEDFORD VA MEDICAL CENTER	10+
MA	VA	BOSTON VA MEDICAL CENTER	10+
MA	VA	WEST ROXBURY VA MEDICAL CENTER	10+
MD	DOD/NAVY	SURFACE WEAPONS CENTER	4732
MD	DOD/NAVY	AIR TEST CENTER	3566
MD	NASA	GODDARD SPACE FLIGHT CENTER	3436
MD	DOC	NATIONAL BUREAU OF STANDARDS	3072
MD	DOD/NAVY	DAVID TAYLOR NAVAL SHIP R AND D CENTER	2567
MD	HHS	NATIONAL CANCER INSTITUTE	1606
MD	USDA/ARS	BELTSVILLE AGRICULTURAL RESEARCH CENTER	1247
MD	HHS	FREDERICK CANCER RESEARCH FACILITY	1043
MD	DOD/ARMY	MATERIEL TESTING DIRECTORATE	917
MD	DOD/ARMY	CHEMICAL SYSTEMS LABORATORY	907
MD	DOD/ARMY	BALLISTIC RESEARCH LABORATORY	781
MD	HHS	NAT. INST. OF ARTH., DIABETES, & DIGEST. & KID	544
MD	DOD/ARMY	MEDICAL RESEARCH INST. OF INFECTIOUS DISEASES	507
MD	HHS	NEUROLOGY & COMMUNICATIVE DISORDERS RES. LAB	501
MD	HHS	NAT. INST. OF ALLERGY AND INFECTIOUS DISEASES	500
MD	DOD/NAVY	MEDICAL RESEARCH INSTITUTE	489
MD	DOD/ARMY	MATERIAL SYSTEMS ANALYSIS ACTIVITY	440
MD	HHS	INTRAMURAL RES. PROG.-NIMH	430
MD	HHS	NAT. INST. OF CHILD HEALTH AND HUMAN DEV.	426
MD	HHS	NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	362
MD	HHS	DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY	274
MD	HHS	INTRAMURAL RES. PROG.-NIDR	266
MD	HHS	GERONTOLOGY RES CENTER-NAT. INST. ON AGING	238
MD	DOD	ARMED FORCES RADIobiology RESEARCH LAB	216
MD	DOD/NAVY	EXPLOSIVE ORDNANCE DISPOSAL FACILITY	201
MD	DOD/ARMY	MEDICAL RESEARCH INST. OF CHEM. DEFENSE	187
MD	DOI/FWS	PAUTUXENT WILDLIFE RESEARCH CENTER	178
MD	DOD/ARMY	HUMAN ENGINEERING LABORATORY	175
MD	HHS	INTRAMURAL RESEARCH PROGRAM-NEI	173
MD	DOD/ARMY	MEDICAL R&D COMMAND	149
MD	DOD/ARMY	MEDICAL BIOENGINEERING R&D LABORATORY	136
MD	USDA/ARS	BELTSVILLE HUMAN NUTRITION RESEARCH CENTER	128
MD	DOC/NOAA	SYSTEMS DEVELOPMENT OFFICE	115
MD	DOC/NOAA	AIR RESOURCES LABORATORY	113
MD	DOI/BOM	AVONDALE METALLURGY RESEARCH CENTER	86
MD	SMITHSON	RADIATION BIOLOGY LABORATORY	60
MD	DOC/NOAA	SATELLITE EXPERIMENT LABORATORY	37
MD	DOC/NOAA	ENGINEERING DEVELOPMENT OFFICE	27
MD	SMITHSON	CHESAPEAKE BAY CENTER FOR ENV. STUDIES	24

FEDERAL LABORATORIES LISTED BY STATE (CONT)

ST	AGENCY	LAB	TOTAL
MD	DOC/NOAA	HYDROLOGICAL RESEARCH LABORATORY	20
MD	DOC/NOAA	GEODETIC RESEARCH AND DEVELOPMENT LABORATORY	15
MI	DOD/ARMY	TANK R&D COMMAND	835
MI	DOI/FWS	GREAT LAKES FISHERY LAB	89
MI	USDA/ARS	REGIONAL POULTRY RESEARCH LABORATORY	56
MI	DOE	MICH STATE UNIV./DOE PLANT RESEARCH LAB	50
MI	DOC/NOAA	GREAT LAKES ENVIRONMENTAL RESEARCH LAB	47
MI	VA	ANN ARBOR VA MEDICAL CENTER	10+
MN	USDA/FS	NORTH CENTRAL EXPERIMENT STATION	346
MN	DOI/BOM	TWIN CITIES RESEARCH CENTER	181
MN	EPA	ENVIRONMENTAL RESEARCH LAB-DULUTH	83
MN	USDA/ARS	WEED RESEARCH LABORATORY	16
MN	VA	MINNEAPOLIS VA MEDICAL CENTER	10+
MO	DOI/FWS	COLUMBIA NATIONAL FISHERY RES. LAB	97
MO	DOI/BOM	ROLLA METALLURGY RESEARCH CENTER	65
MO	USDA/ARS	BIOLOGICAL CONTROL OF INSECTS RESEARCH LAB	25
MO	VA	COLUMBIA VA MEDICAL CENTER	10+
MO	VA	KANSAS CITY VA MEDICAL CENTER	10+
MO	VA	ST. LOUIS VA MEDICAL CENTER	10+
MS	DOD/ARMY	ENGINEER WATERWAYS EXPERIMENT STATION	1399
MS	DOD/NAVY	OCEAN R AND D ACTIVITY	271
MS	NASA	NATIONAL SPACE TECHNOLOGY LABORATORIES	103
MS	USDA/ARS	SEDIMENTATION LABORATORY	43
MS	USDA/ARS	BOLL WEEVIL RESEARCH LABORATORY	41
MS	DOC/NOAA	MISSISSIPPI LABORATORIES	36
MS	USDA/ARS	BIOENVIRONMENTAL INSECTS CONTROL LABORATORY	35
MS	USDA/ARS	SOUTHERN WEED SCIENCE LABORATORY	34
MS	USDA/ARS	CROP SCIENCE AND ENGINEERING RES. LABORATORY	32
MT	HHS	NAT. INST. OF ALLERGY AND INFECTIOUS DISEASES	128
NC	HHS	NAT. INST. OF ENVIRONMENTAL HEALTH SCIENCES	429
NC	EPA	HEALTH EFFECTS RESEARCH LABORATORY	328
NC	USDA/FS	SOUTHEASTERN FOREST EXPERIMENT STATION	287
NC	EPA	INDUSTRIAL ENVIRONMENTAL RESEARCH LAB-RTP	133
NC	EPA	ENVIRONMENTAL SCIENCES RESEARCH LABORATORY	132
NC	EPA	ENVIRONMENTAL MONITORING SYST. LAB-RTP	126
NC	DOD/ARMY	ARMY RESEARCH OFFICE	96
NC	DOC/NOAA	BEAUFORT LABORATORY	56
NC	USDA/ARS	TOBACCO RESEARCH LABORATORY	36
NC	VA	DURHAM VA MEDICAL CENTER	10+
ND	USDA/ARS	METABOLISM AND RADIATION RESEARCH LABORATORY	104
ND	DOE	GRAND FORKS ENERGY TECHNOLOGY CENTER	68
ND	DOI/FWS	NORTHERN PRAIRIE WILDLIFE RESEARCH CENTER	57
ND	USDA/ARS	NORTHERN GREAT PLAINS RESEARCH CENTER	42
NE	USDA/ARS	ROMAN L. HRUSKA U.S. MEAT ANIMAL RES. LAB	56
NE	USDA/ARS	LIVESTOCK INSECTS RESEARCH LABORATORY	33
NE	VA	OMAHA VA MEDICAL CENTER	10+
NH	DOD/ARMY	COLD REGIONS R&D LABORATORY	277
NJ	DOD/ARMY	LARGE CALIBER WEAPONS SYSTEM LABORATORY	1791
NJ	DOD/NAVY	NAVAL AIR ENGINEERING CENTER	1776
NJ	DOE	PRINCETON PLASMA PHYSICS LABORATORY	1406

FEDERAL LABORATORIES LISTED BY STATE (CONT)

ST	AGENCY	LAB	TOTAL
NJ	DOD/NAVY	NAVAL WEAPONS STATION EARLE	1300
NJ	DOT	FEDERAL AVIATION ADMIN. TECHNICAL CENTER	1043
NJ	DOD/NAVY	AIR PROPULSION CENTER	595
NJ	DOD/ARMY	FIRE CONTROL AND SMALL CALIBER WEAPONS SYSTEM	579
NJ	DOD/ARMY	ELECTRONIC WARFARE LABORATORY	496
NJ	DOD/ARMY	COMMUNICATIONS R&D COMMAND	449
NJ	DOD/ARMY	ELECTRONICS TECHNOLOGY AND DEVICES LABORATORY	278
NJ	DOD/ARMY	AVIONICS R&D ACTIVITY	223
NJ	DOD/ARMY	COMBAT SURVEILLANCE AND TARGET AQUISITION LA	179
NJ	DOC/NOAA	GEOPHYSICAL FLUID DYNAMICS LABORATORY	80
NJ	DOC/NOAA	SANDY HOOK LABORATORY	75
NJ	VA	EAST ORANGE VA MEDICAL CENTER	10+
NM	DOE	SANDIA NATIONAL LABORATORIES	7639
NM	DOE	LOS ALAMOS NATIONAL LABORATORY	6937
NM	DOD/ARMY	WHITE SANDS MISSILE RANGE	3672
NM	DOD/AF	WEAPONS LABORATORY	1111
NM	DOD/ARMY	ATMOSPHERIC SCIENCES LABORATORY	533
NM	DOD/NAVY	WEAPONS EVALUATION FACILITY	434
NM	DOE	INHALATION TOXICOLOGY RESEARCH INSTITUTE	212
NM	DOD/NAVY	ORDNANCE MISSILE TEST FACILITY	140
NM	NSF	SACRAMENTO PEAK OBSERVATORY	51
NM	VA	ALBUQUERQUE VA MEDICAL CENTER	10+
NV	EPA	ENVIRONMENTAL MONITORING SYST. LAB-LV	123
NV	DOI/BOM	RENO METALLURGY RESEARCH CENTER	76
NV	DOI/BOM	BOULDER CITY METALLURGY ENGINEERING LAB	35
NY	DOE	BROOKHAVEN NATIONAL LABORATORY	4102
NY	DOE	KNOLLS ATOMIC POWER LABORATORY	2913
NY	DOD/AF	ROME AIR DEVELOPMENT CENTER	1323
NY	USDA/ARS	PLUM ISLAND ANIMAL DISEASE CENTER	337
NY	NSF	NATIONAL ASTRONOMY AND IONOSPHERE CENTER	150
NY	DOE	UNIVERSITY OF ROCHESTER BIOMEDICAL LABORATORY	110
NY	DOE	ENVIRONMENTAL MEASUREMENT LABORATORY	95
NY	USDA/ARS	U.S. PLANT, SOIL, AND NUTRITION LABORATORY	20
NY	VA	ALBANY VA MEDICAL CENTER	10+
NY	VA	BRONX VA MEDICAL CENTER	10+
NY	VA	BROOKLYN VA MEDICAL CENTER	10+
NY	VA	BUFFALO VA MEDICAL CENTER	10+
NY	VA	NEW YORK VA MEDICAL CENTER	10+
NY	VA	SYRACUSE VA MEDICAL CENTER	10+
OH	NASA	LEWIS RESEARCH CENTER	2822
OH	DOD/AF	AVIONICS LABORATORY	944
OH	DOD/AF	FLIGHT DYNAMICS LABORATORY	920
OH	DOD/AF	MATERIALS LABORATORY	413
OH	DOD/AF	AEROSPACE MEDICAL RESEARCH LABORATORY	289
OH	EPA	MUNICIPAL ENVIRONMENTAL RESEARCH LABORATORY	161
OH	HHS	TAFT FACILITY-BIOMED. AND BEHAVIORAL SCI.	113
OH	HHS	RIDGE FACILITY-PHYSICAL SCI. AND ENGINEERING	106
OH	EPA	ENVIRONMENTAL MONITORING SUPPORT LABORATORY	79
OH	EPA	INDUSTRIAL ENVIRONMENTAL RESEARCH LAB-CIN.	74
OH	DOT	VEHICLE RESEARCH AND TEST CENTER	34

FEDERAL LABORATORIES LISTED BY STATE (CONT)

ST	AGENCY	LAB	TOTAL
OH	VA	CINCINNATI VA MEDICAL CENTER	10+
OH	VA	CLEVELAND VA MEDICAL CENTER	10+
OK	DOT	CIVIL AEROMEDICAL INSTITUTE	200
OK	DOE	BARTLESVILLE ENERGY TECHNOLOGY CENTER	172
OK	EPA	ROBERT S. KERR ENVIRONMENTAL RESEARCH LAB	55
OK	DOC/NOAA	NATIONAL SEVERE STORMS LABORATORY	41
OK	USDA/ARS	WATER QUALITY MANAGEMENT LABORATORY	32
OK	VA	OKLAHOMA CITY VA MEDICAL CENTER	10+
OR	USDA/FS	PACIFIC NORTHWEST EXPERIMENT STATION	282
OR	DOI/BOM	ALBANY METALLURGY RESEARCH CENTER	162
OR	EPA	ENVIRONMENTAL RESEARCH LAB-CORVALLIS	84
OR	VA	PORTLAND VA MEDICAL CENTER	10+
PA	DOE	BETTIS ATOMIC POWER LABORATORY	3358
PA	DOD/NAVY	NAVAL AIR DEVELOPMENT CENTER	2399
PA	USDA/FS	NORTHEASTERN FOREST EXPERIMENT STATION	396
PA	DOE	PITTSBURGH ENERGY TECHNOLOGY CENTER	352
PA	USDA/ARS	EASTERN REGIONAL RESEARCH CENTER	322
PA	DOI/BOM	PITTSBURGH MINING AND SAFETY RES. CENTER	259
PA	VA	PHILADELPHIA VA MEDICAL CENTER	10+
PA	VA	PITTSBURGH VA MEDICAL CENTER	10+
PR	DOE	CENTER FOR ENERGY AND ENVIRONMENTAL RESEARCH	50
RI	DOD/NAVY	UNDERSEA RANGES DEPARTMENT	82
RI	EPA	ENVIRONMENTAL RESEARCH LAB-RI	55
RI	DOC/NOAA	NARRAGANSETT LABORATORY	23
SC	DOE	SAVANNAH RIVER LABORATORY	995
SC	DOC/NOAA	CHARLESTON LABORATORY	34
SC	USDA/ARS	U.S. VEGETABLE LABORATORY	28
SC	VA	CHARLESTON VA MEDICAL CENTER	10+
SD	USDA/ARS	NORTHERN GRAIN INSECTS RESEARCH LABORATORY	28
TN	DOE	OAK RIDGE NATIONAL LABORATORY	5175
TN	DOE	OAK RIDGE ASSOCIATED UNIVERSITIES	398
TN	TVA	ENERGY DEMONSTRATIONS AND TECHNOLOGY	321
TN	DOD/AF	ARNOLD ENGINEERING DEVELOPMENT CENTER	223
TN	DOE	COMPARATIVE ANIMAL RESEARCH LAB	92
TN	TVA	ENGINEERING LABORATORY	82
TN	VA	MEMPHIS VA MEDICAL CENTER	10+
TN	VA	NASHVILLE VA MEDICAL CENTER	10+
TX	NASA	LYNDON B. JOHNSON SPACE CENTER	3508
TX	DOD/AF	SCHOOL OF AEROSPACE MEDICINE	666
TX	DOD/AF	HUMAN RESOURCES LABORATORY	365
TX	DOD/ARMY	INSTITUTE OF SURGICAL RESEARCH	229
TX	USDA/ARS	VETERINARY TOXICOLOGY AND ENTOMOLOGY LAB	48
TX	USDA/ARS	U. S. LIVESTOCK INSECTS LABORATORY	43
TX	USDA/ARS	GRASSLAND, SOIL AND WATER RESEARCH LABORATORY	32
TX	DOC/NOAA	GALVESTON LABORATORY	30
TX	USDA/ARS	CONSERVATION AND PRODUCTION RESEARCH LAB	28
TX	USDA/ARS	COTTON RESEARCH LABORATORY	23
TX	VA	DALLAS VA MEDICAL CENTER	10+
TX	VA	HOUSTON VA MEDICAL CENTER	10+
TX	VA	SAN ANTONIO VA MEDICAL CENTER	10+

FEDERAL LABORATORIES LISTED BY STATE (CONT)

ST	AGENCY	LAB	TOTAL
UT	DOD/ARMY	DUGWAY PROVING GROUND	778
UT	USDA/FS	INTERMOUNTAIN FOREST AND RANGE EXP. STA.	240
UT	DOI/BOM	SALT LAKE CITY METALLURGY RES. CENTER	108
UT	USDA/ARS	CROPS RESEARCH LABORATORY	62
UT	DOE	RADIOBIOLOGY LABORATORY, UNIV. OF UTAH	54
UT	VA	SALT LAKE CITY VA MEDICAL CENTER	10+
VA	DOI/USGS	USGS NATIONAL CENTER	3000
VA	NASA	LANGLEY RESEARCH CENTER	2966
VA	DOD/ARMY	MOBILITY EQUIPMENT R&D COMMAND	1262
VA	DOD/ARMY	NIGHT VISION AND ELECTRO-OPTICS LABORATORY	491
VA	NASA	WALLOPS FLIGHT CENTER	382
VA	DOD/ARMY	RES. INST. FOR BEHAVIORAL AND SOCIAL SCIENCES	358
VA	NSF	NATIONAL RADIO ASTRONOMY OBSERVATORY	332
VA	DOD/ARMY	ENGINEER TOPOGRAPHIC LABORATORIES	314
VA	DOD/ARMY	SIGNALS WARFARE LABORATORY	237
VA	DOT	FAIRBANK HIGHWAY RESEARCH STATION	200
VA	VA	RICHMOND VA MEDICAL CENTER	10+
WA	DOE	PACIFIC NORTHWEST LABORATORY	2084
WA	DOE	HANFORD ENGINEERING DEVELOPMENT LABORATORY	1926
WA	DOD/ARMY	COLD REGIONS TEST CENTER	304
WA	DOC/NOAA	NORTHWEST AND ALASKA FISHERIES CENTER	192
WA	DOI/BOM	SPOKANE MINING RESEARCH CENTER	90
WA	DOC/NOAA	PACIFIC MARINE ENVIRONMENTAL LABORATORY	53
WA	DOI/FWS	SEATTLE NATIONAL FISHERY RESEARCH CENTER	53
WA	USDA/ARS	YAKIMA AGRICULTURAL RESEARCH LABORATORY	31
WA	DOC/NOAA	NATIONAL MARINE MAMMAL LABORATORY	27
WA	VA	SEATTLE VA MEDICAL CENTER	10+
WI	USDA/FS	FOREST PRODUCTS LABORATORY	339
WI	DOI/FWS	NATIONAL FISHERY RESEARCH LAB-LA CROSSE	41
WI	DOI/FWS	NATIONAL WILDLIFE HEALTH LABORATORY	30
WI	USDA/ARS	DAIRY FORAGE RESEARCH CENTER	18
WI	VA	MADISON VA MEDICAL CENTER	10+
WI	VA	WOOD VA MEDICAL CENTER	10+
WV	DOE	MORGANTOWN ENERGY TECHNOLOGY CENTER	251
WV	HHS	APPALACHIAN LAB FOR OCC. SAFETY AND HEALTH	239
WV	DOI/FWS	NATIONAL FISHERIES CENTER-LEETOWN	115
WV	USDA/ARS	APPALACHIAN FRUIT RESEARCH STATION	38
WY	DOE	LARAMIE ENERGY TECHNOLOGY CENTER	148

TABLE 6  
FEDERAL LABORATORIES LISTED BY AGENCY AND STAFF SIZE

AGENCY	LAB	TOTAL
DOC	NATIONAL BUREAU OF STANDARDS	3072
DOC	INSTITUTE FOR TELECOMMUNICATION SCIENCES	94
DOC/NOAA	NORTHWEST AND ALASKA FISHERIES CENTER	192
DOC/NOAA	SYSTEMS DEVELOPMENT OFFICE	115
DOC/NOAA	AIR RESOURCES LABORATORY	113
DOC/NOAA	ATLANTIC OCEANOGRAPHIC AND METEOROLOGICAL LAB	111
DOC/NOAA	SOUTHEAST FISHERIES CENTER	109
DOC/NOAA	NORTHEAST FISHERIES CENTER	106
DOC/NOAA	GEOPHYSICAL FLUID DYNAMICS LABORATORY	80
DOC/NOAA	SANDY HOOK LABORATORY	75
DOC/NOAA	SOUTHWEST FISHERIES CENTER	73
DOC/NOAA	WAVE PROPAGATION LABORATORY	70
DOC/NOAA	SPACE ENVIRONMENT LABORATORY	68
DOC/NOAA	OFFICE OF WEATHER RESEARCH AND MODIFICATION	66
DOC/NOAA	BEAUFORT LABORATORY	56
DOC/NOAA	PACIFIC MARINE ENVIRONMENTAL LABORATORY	53
DOC/NOAA	RESEARCH FACILITIES CENTER	50
DOC/NOAA	AUKE BAY LABORATORY	47
DOC/NOAA	GREAT LAKES ENVIRONMENTAL RESEARCH LAB	47
DOC/NOAA	AERONOMY LABORATORY	44
DOC/NOAA	HONOLULU LABORATORY	41
DOC/NOAA	NATIONAL SEVERE STORMS LABORATORY	41
DOC/NOAA	SATELLITE EXPERIMENT LABORATORY	37
DOC/NOAA	MISSISSIPPI LABORATORIES	36
DOC/NOAA	CHARLESTON LABORATORY	34
DOC/NOAA	GALVESTON LABORATORY	30
DOC/NOAA	GLoucester LABORATORY	28
DOC/NOAA	ENGINEERING DEVELOPMENT OFFICE	27
DOC/NOAA	NATIONAL MARINE MAMMAL LABORATORY	27
DOC/NOAA	MILFORD LABORATORY	26
DOC/NOAA	NARRAGANSETT LABORATORY	23
DOC/NOAA	HYDROLOGICAL RESEARCH LABORATORY	20
DOC/NOAA	TIBURON LABORATORY	18
DOC/NOAA	PANAMA CITY LABORATORY	18
DOC/NOAA	KODIAK LABORATORY	15
DOC/NOAA	GEODETIC RESEARCH AND DEVELOPMENT LABORATORY	15
DOD	ARMED FORCES RADIobiology RESEARCH LAB	216
DOD/AF	ARMAMENT DIVISION	6389
DOD/AF	FLIGHT TEST CENTER	5136
DOD/AF	ROME AIR DEVELOPMENT CENTER	1323
DOD/AF	WEAPONS LABORATORY	1111
DOD/AF	AVIONICS LABORATORY	944
DOD/AF	FLIGHT DYNAMICS LABORATORY	920
DOD/AF	WESTERN SPACE AND MISSILE CENTER	724
DOD/AF	SCHOOL OF AEROSPACE MEDICINE	666
DOD/AF	GEOPHYSICS LABORATORY	618
DOD/AF	ROCKET PROPULSION LABORATORY	431
DOD/AF	MATERIALS LABORATORY	413
DOD/AF	HUMAN RESOURCES LABORATORY	365
DOD/AF	AEROSPACE MEDICAL RESEARCH LABORATORY	289

FEDERAL LABORATORIES LISTED BY AGENCY AND STAFF SIZE (CONT)

AGENCY	LAB	TOTAL
DOD/AF	ARNOLD ENGINEERING DEVELOPMENT CENTER	223
DOD/AF	ENGINEERING AND SERVICES CENTER/ R&D	104
DOD/AF	FRANK J. SEIBLER RESEARCH LABORATORY	33
DOD/ARMY	WHITE SANDS MISSILE RANGE	3672
DOD/ARMY	LARGE CALIBER WEAPONS SYSTEM LABORATORY	1791
DOD/ARMY	ENGINEER WATERWAYS EXPERIMENT STATION	1399
DOD/ARMY	MOBILITY EQUIPMENT R&D COMMAND	1262
DOD/ARMY	NATICK R&D COMMAND	1187
DOD/ARMY	HARRY DIAMOND LABORATORIES	1154
DOD/ARMY	MISSILE RESEARCH AND DEVELOPMENT COMMAND	1001
DOD/ARMY	YUMA PROVING GROUND	986
DOD/ARMY	MATERIEL TESTING DIRECTORATE	917
DOD/ARMY	WALTER REED ARMY INSTITUTE OF RESEARCH	913
DOD/ARMY	CHEMICAL SYSTEMS LABORATORY	907
DOD/ARMY	TANK R&D COMMAND	835
DOD/ARMY	ELECTRONIC PROVING GROUND	800
DOD/ARMY	BALLISTIC RESEARCH LABORATORY	781
DOD/ARMY	DUGWAY PROVING GROUND	778
DOD/ARMY	MATERIALS AND MECHANICS RESEARCH CENTER	622
DOD/ARMY	FIRE CONTROL AND SMALL CALIBER WEAPONS SYSTEM	579
DOD/ARMY	AVIATION RESEARCH AND TECHNOLOGY LABS	560
DOD/ARMY	ATMOSPHERIC SCIENCES LABORATORY	533
DOD/ARMY	MEDICAL RESEARCH INST. OF INFECTIOUS DISEASES	507
DOD/ARMY	ELECTRONIC WARFARE LABORATORY	496
DOD/ARMY	NIGHT VISION AND ELECTRO-OPTICS LABORATORY	491
DOD/ARMY	COMMUNICATIONS R&D COMMAND	449
DOD/ARMY	MATERIAL SYSTEMS ANALYSIS ACTIVITY	440
DOD/ARMY	RES. INST. FOR BEHAVIORAL AND SOCIAL SCIENCES	358
DOD/ARMY	AVIATION DEVELOPMENT TEST ACTIVITY	324
DOD/ARMY	ENGINEER TOPOGRAPHIC LABORATORIES	314
DOD/ARMY	COLD REGIONS TEST CENTER	304
DOD/ARMY	LETTERMAN ARMY INSTITUTE OF RESEARCH	278
DOD/ARMY	ELECTRONICS TECHNOLOGY AND DEVICES LABORATORY	278
DOD/ARMY	COLD REGIONS R&D LABORATORY	277
DOD/ARMY	SIGNALS WARFARE LABORATORY	237
DOD/ARMY	INSTITUTE OF SURGICAL RESEARCH	229
DOD/ARMY	AVIONICS R&D ACTIVITY	223
DOD/ARMY	CONSTRUCTION ENGINEERING RESEARCH LABORATORY	207
DOD/ARMY	MEDICAL RESEARCH INST. OF CHEM. DEFENSE	187
DOD/ARMY	COMBAT SURVEILLANCE AND TARGET AQUISITION LA	179
DOD/ARMY	RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE	175
DOD/ARMY	HUMAN ENGINEERING LABORATORY	175
DOD/ARMY	AVIATION ENGINEERING FLIGHT ACTIVITY	166
DOD/ARMY	MEDICAL R&D COMMAND	149
DOD/ARMY	AEROMEDICAL RESEARCH LABORATORY	142
DOD/ARMY	TROPIC TEST CENTER	141
DOD/ARMY	MEDICAL BIOENGINEERING R&D LABORATORY	136
DOD/ARMY	INSTITUTE OF DENTAL RESEARCH	106
DOD/ARMY	ARMY RESEARCH OFFICE	96
DOD/NAVY	PACIFIC MISSILE TEST CENTER	4803

FEDERAL LABORATORIES LISTED BY AGENCY AND STAFF SIZE (CONT)

AGENCY	LAB	TOTAL
DOD/NAVY	SURFACE WEAPONS CENTER	4732
DOD/NAVY	NAVAL WEAPONS CENTER	4540
DOD/NAVY	AIR TEST CENTER	3566
DOD/NAVY	RESEARCH LABORATORY	3394
DOD/NAVY	NAVAL UNDERWATER SYSTEMS CENTER	2800
DOD/NAVY	OCEAN SYSTEMS CENTER	2791
DOD/NAVY	DAVID TAYLOR NAVAL SHIP R AND D CENTER	2567
DOD/NAVY	NAVAL AIR DEVELOPMENT CENTER	2399
DOD/NAVY	NAVAL AVIONIC CENTER	2150
DOD/NAVY	NAVAL AIR ENGINEERING CENTER	1776
DOD/NAVY	NAVAL WEAPONS STATION EARLE	1300
DOD/NAVY	COASTAL SYSTEMS CENTER	732
DOD/NAVY	AIR PROPULSION CENTER	595
DOD/NAVY	MEDICAL RESEARCH INSTITUTE	489
DOD/NAVY	WEAPONS EVALUATION FACILITY	434
DOD/NAVY	OFFICE OF NAVAL RESEARCH	429
DOD/NAVY	CIVIL ENGINEERING LABORATORY	325
DOD/NAVY	PERSONNEL RESEARCH AND DEVELOPMENT CENTER	294
DOD/NAVY	OCEAN R AND D ACTIVITY	271
DOD/NAVY	EXPLOSIVE ORDNANCE DISPOSAL FACILITY	201
DOD/NAVY	AEROSPACE MEDICAL RESEARCH LABORATORY	169
DOD/NAVY	ORDNANCE MISSILE TEST FACILITY	140
DOD/NAVY	HEALTH RESEARCH CENTER	113
DOD/NAVY	SUBMARINE MEDICAL RESEARCH LABORATORY	94
DOD/NAVY	UNDERSEA RANGES DEPARTMENT	82
DOD/NAVY	MEDICAL RESEARCH UNIT NO. 3	81
DOD/NAVY	CLOTHING AND TEXTILE RESEARCH FACILITY	56
DOD/NAVY	DENTAL RESEARCH INSTITUTE NTC	47
DOE	SANDIA NATIONAL LABORATORIES	7639
DOE	LAWRENCE LIVERMORE NATIONAL LABORATORY	7102
DOE	LOS ALAMOS NATIONAL LABORATORY	6937
DOE	OAK RIDGE NATIONAL LABORATORY	5175
DOE	ARGONNE NATIONAL LABORATORY	5118
DOE	IDAHO NATIONAL ENGINEERING LABORATORY	5100
DOE	BROOKHAVEN NATIONAL LABORATORY	4102
DOE	BETTIS ATOMIC POWER LABORATORY	3358
DOE	LAWRENCE BERKELEY LABORATORY	3158
DOE	KNOLLS ATOMIC POWER LABORATORY	2913
DOE	PACIFIC NORTHWEST LABORATORY	2084
DOE	FERMI NATIONAL ACCELERATOR LABORATORY	1982
DOE	HANFORD ENGINEERING DEVELOPMENT LABORATORY	1926
DOE	PRINCETON PLASMA PHYSICS LABORATORY	1406
DOE	STANFORD LINEAR ACCELERATOR CENTER	1402
DOE	SAVANNAH RIVER LABORATORY	995
DOE	SOLAR ENERGY RESEARCH INSTITUTE	724
DOE	AMES LABORATORY	539
DOE	OAK RIDGE ASSOCIATED UNIVERSITIES	398
DOE	PITTSBURGH ENERGY TECHNOLOGY CENTER	352
DOE	ENERGY TECHNOLOGY ENGINEERING CENTER	330
DOE	MORGANTOWN ENERGY TECHNOLOGY CENTER	251

FEDERAL LABORATORIES LISTED BY AGENCY AND STAFF SIZE(CONT)

AGENCY	LAB	TOTAL
DOE	INHALATION TOXICOLOGY RESEARCH INSTITUTE	212
DOE	BARTLESVILLE ENERGY TECHNOLOGY CENTER	172
DOE	LARAMIE ENERGY TECHNOLOGY CENTER	148
DOE	LAB. OF NUCLEAR MEDICINE AND RAD. BIOLOGY, UCL	145
DOE	UNIVERSITY OF ROCHESTER BIOMEDICAL LABORATORY	110
DOE	ENVIRONMENTAL MEASUREMENT LABORATORY	95
DOE	COMPARATIVE ANIMAL RESEARCH LAB	92
DOE	BATES LINEAR ACCELERATOR FACILITY	75
DOE	NOTRE DAME RADIATION LABORATORY	71
DOE	SAVANNAH RIVER ECOLOGY LABORATORY	69
DOE	GRAND FORKS ENERGY TECHNOLOGY CENTER	68
DOE	NEW BRUNSWICK LABORATORY	60
DOE	RADIOBIOLOGY LABORATORY, UNIV. OF UTAH	54
DOE	MICH STATE UNIV./DOE PLANT RESEARCH LAB	50
DOE	CENTER FOR ENERGY AND ENVIRONMENTAL RESEARCH	50
DOE	LAB OF RADIOBIOLOGY AND ENV. HEALTH/ UC	42
DOE	LAB. FOR ENERGY-RELATED HEALTH RES., UC/DAVIS	40
DOI	ENGINEERING AND RESEARCH LABORATORY	230
DOI/BOM	PITTSBURGH MINING AND SAFETY RES. CENTER	259
DOI/BOM	TWIN CITIES RESEARCH CENTER	181
DOI/BOM	ALBANY METALLURGY RESEARCH CENTER	162
DOI/BOM	SALT LAKE CITY METALLURGY RES. CENTER	108
DOI/BOM	DENVER MINING RESEARCH CENTER	93
DOI/BOM	SPOKANE MINING RESEARCH CENTER	90
DOI/BOM	AVONDALE METALLURGY RESEARCH CENTER	86
DOI/BOM	RENO METALLURGY RESEARCH CENTER	76
DOI/BOM	ROLLA METALLURGY RESEARCH CENTER	65
DOI/BOM	TUSCALOOSA METALLURGY RESEARCH CENTER	53
DOI/BOM	BOULDER CITY METALLURGY ENGINEERING LAB	35
DOI/FWS	DENVER WILDLIFE RESEARCH CENTER	208
DOI/FWS	PAUTUXENT WILDLIFE RESEARCH CENTER	178
DOI/FWS	NATIONAL FISHERIES CENTER-LEETOWN	115
DOI/FWS	COLUMBIA NATIONAL FISHERY RES. LAB	97
DOI/FWS	GREAT LAKES FISHERY LAB	89
DOI/FWS	NORTHERN PRAIRIE WILDLIFE RESEARCH CENTER	57
DOI/FWS	SEATTLE NATIONAL FISHERY RESEARCH CENTER	53
DOI/FWS	NATIONAL FISHERY RESEARCH LAB-LA CROSSE	41
DOI/FWS	NATIONAL WILDLIFE HEALTH LABORATORY	30
DOI/USGS	USGS CENTRAL REGION	4500
DOI/USGS	USGS WESTERN REGION	3676
DOI/USGS	USGS NATIONAL CENTER	3000
DOJ	FEDERAL BUREAU OF INVESTIGATION LABORATORY	429
DOT	FEDERAL AVIATION ADMIN. TECHNICAL CENTER	1043
DOT	TRANSPORTATION SYSTEMS CENTER	600
DOT	TRANSPORTATION TEST CENTER	400
DOT	FAIRBANK HIGHWAY RESEARCH STATION	200
DOT	CIVIL AEROMEDICAL INSTITUTE	200
DOT	U.S. COAST GUARD R&D CENTER	148
DOT	VEHICLE RESEARCH AND TEST CENTER	34
EPA	HEALTH EFFECTS RESEARCH LABORATORY	328

FEDERAL LABORATORIES LISTED BY AGENCY AND STAFF SIZE (CONT)

AGENCY	LAB	TOTAL
EPA	MUNICIPAL ENVIRONMENTAL RESEARCH LABORATORY	161
EPA	INDUSTRIAL ENVIRONMENTAL RESEARCH LAB-RTP	133
EPA	ENVIRONMENTAL SCIENCES RESEARCH LABORATORY	132
EPA	ENVIRONMENTAL MONITORING SYST. LAB-RTP	126
EPA	ENVIRONMENTAL MONITORING SYST. LAB-LV	123
EPA	ENVIRONMENTAL RESEARCH LAB-CORVALLIS	84
EPA	ENVIRONMENTAL RESEARCH LAB-DULUTH	83
EPA	ENVIRONMENTAL MONITORING SUPPORT LABORATORY	79
EPA	ENVIRONMENTAL RESEARCH LABORATORY -ATHENS	78
EPA	INDUSTRIAL ENVIRONMENTAL RESEARCH LAB-CIN.	74
EPA	ROBERT S. KERR ENVIRONMENTAL RESEARCH LAB	55
EPA	ENVIRONMENTAL RESEARCH LAB-RI	55
EPA	ENVIRONMENTAL RESEARCH LAB-SABINE	54
HHS	NATIONAL CANCER INSTITUTE	1606
HHS	FREDERICK CANCER RESEARCH FACILITY	1043
HHS	CENTER FOR INFECTIOUS DISEASES	908
HHS	NAT. INST. OF ARTH., DIABETES, & DIGEST. & KID	544
HHS	NEUROLOGY & COMMUNICATIVE DISORDERS RES. LAB	501
HHS	NAT. INST. OF ALLERGY AND INFECTIOUS DISEASES	500
HHS	INTRAMURAL RES. PROG.-NIMH	430
HHS	NAT. INST. OF ENVIRONMENTAL HEALTH SCIENCES	429
HHS	NAT. INST. OF CHILD HEALTH AND HUMAN DEV.	426
HHS	NATIONAL HEART, LUNG, AND BLOOD INSTITUTE	362
HHS	DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY	274
HHS	INTRAMURAL RES. PROG.-NIDR	266
HHS	APPALACHIAN LAB FOR OCC. SAFETY AND HEALTH	239
HHS	GERENTOLOGY RES CENTER-NAT. INST. ON AGING	238
HHS	INTRAMURAL RESEARCH PROGRAM-NEI	173
HHS	NAT. INST. OF ALLERGY AND INFECTIOUS DISEASES	128
HHS	INTRAMURAL RES. PROG.-NIMH-DIV. OF SP. MENTAL	120
HHS	CLINICAL CHEMISTRY DIVISION	118
HHS	TAFT FACILITY-BIOMED. AND BEHAVIORAL SCI.	113
HHS	RIDGE FACILITY-PHYSICAL SCI. AND ENGINEERING	106
HHS	CLINICAL RES. SEC. & S.W. FIELD STUDIES SEC.	16
NASA	JET PROPULSION LABORATORY	3788
NASA	GEORGE C. MARSHALL SPACE FLIGHT CENTER	3563
NASA	LYNDON B. JOHNSON SPACE CENTER	3508
NASA	GODDARD SPACE FLIGHT CENTER	3436
NASA	LANGLEY RESEARCH CENTER	2966
NASA	LEWIS RESEARCH CENTER	2822
NASA	JOHN F. KENNEDY SPACE CENTER	2201
NASA	AMES RESEARCH CENTER	1651
NASA	HUGH L. DRYDEN FLIGHT RESEARCH CENTER	465
NASA	WALLOPS FLIGHT CENTER	382
NASA	NATIONAL SPACE TECHNOLOGY LABORATORIES	103
NSF	NATIONAL CENTER FOR ATMOSPHERIC RESEARCH	676
NSF	NATIONAL RADIO ASTRONOMY OBSERVATORY	332
NSF	KITT PEAK NATIONAL OBSERVATORY	288
NSF	NATIONAL ASTRONOMY AND IONOSPHERE CENTER	150
NSF	CERRO TOLOLO INTER-AMERICAN OBSERVATORY	144

FEDERAL LABORATORIES LISTED BY AGENCY AND STAFF SIZE (CONT)

AGENCY	LAB	TOTAL
NSF	SACRAMENTO PEAK OBSERVATORY	51
SMITHSON	NATIONAL MUSEUM OF NATURAL HISTORY	85
SMITHSON	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	72
SMITHSON	RADIATION BIOLOGY LABORATORY	60
SMITHSON	SMITHSONIAN TROPICAL RESEARCH INST.	32
SMITHSON	CHESAPEAKE BAY CENTER FOR ENV. STUDIES	24
SMITHSON	NATIONAL ZOOLOGICAL PARK AND CONS. CENTER	18
TVA	NATIONAL FERTILIZER DEVELOPMENT CENTER	969
TVA	ENERGY DEMONSTRATIONS AND TECHNOLOGY	321
TVA	ENGINEERING LABORATORY	82
TVA	AIR RESOURCES PROGRAM-RESEARCH SECTION	32
USDA/ARS	BELTSVILLE AGRICULTURAL RESEARCH CENTER	1247
USDA/ARS	PLUM ISLAND ANIMAL DISEASE CENTER	337
USDA/ARS	WESTERN REGIONAL RESEARCH CENTER	322
USDA/ARS	EASTERN REGIONAL RESEARCH CENTER	322
USDA/ARS	NORTHERN REGIONAL RESEARCH CENTER	306
USDA/ARS	NATIONAL ANIMAL DISEASE CENTER	272
USDA/ARS	RICHARD B. RUSSELL AG. RES. CENTER	160
USDA/ARS	BELTSVILLE HUMAN NUTRITION RESEARCH CENTER	128
USDA/ARS	METABOLISM AND RADIATION RESEARCH LABORATORY	104
USDA/ARS	SOUTHEAST WATERSHED RESEARCH LABORATORY	87
USDA/ARS	INSECT ATTRACTANTS, BEHAVIOR & BASIC BIO. RES.	78
USDA/ARS	U.S. GRAIN MARKETING RESEARCH CENTER	64
USDA/ARS	U.S. HORTICULTURAL LABORATORY	62
USDA/ARS	CROPS RESEARCH LABORATORY	62
USDA/ARS	REGIONAL POULTRY RESEARCH LABORATORY	56
USDA/ARS	ROMAN L. HRUSKA U.S. MEAT ANIMAL RES. LAB	56
USDA/ARS	INSECTS AFFECTING MAN AND ANIMALS RES. LAB	54
USDA/ARS	STORED-PRODUCTS INSECTS RES. & DEV. LAB	52
USDA/ARS	VETERINARY TOXICOLOGY AND ENTOMOLOGY LAB	48
USDA/ARS	SNAKE RIVER CONSERVATION RESEARCH CENTER	47
USDA/ARS	TROPICAL FRUIT AND VEGETABLE RES. FACILITY	46
USDA/ARS	ARTHROPOD-BORNE ANIMAL DISEASES RES. LAB	45
USDA	OILSEED AND FOOD LABORATORY	44
USDA/ARS	SEDIMENTATION LABORATORY	43
USDA/ARS	U. S. LIVESTOCK INSECTS LABORATORY	43
USDA/ARS	WESTERN COTTON RESEARCH LABORATORY	42
USDA/ARS	NORTHERN GREAT PLAINS RESEARCH CENTER	42
USDA/ARS	BOLL WEEVIL RESEARCH LABORATORY	41
USDA/ARS	U.S. WATER CONSERVATION LABORATORY	40
USDA/ARS	APPALACHIAN FRUIT RESEARCH STATION	38
USDA/ARS	COTTON TEXTILE PROCESSING LABORATORY	37
USDA/ARS	TOBACCO RESEARCH LABORATORY	36
USDA/ARS	SOUTHEAST POULTRY RESEARCH LABORATORY	35
USDA/ARS	BIOENVIRONMENTAL INSECTS CONTROL LABORATORY	35
USDA/ARS	COMPOSITION AND PROPERTIES LABORATORY	34
USDA/ARS	SOUTHERN WEED SCIENCE LABORATORY	34
USDA/ARS	LIVESTOCK INSECTS RESEARCH LABORATORY	33
USDA/ARS	SOUTHEASTERN FRUIT & TREE NUT RES. LAB	32
USDA/ARS	CROP SCIENCE AND ENGINEERING RES. LABORATORY	32

FEDERAL LABORATORIES LISTED BY AGENCY AND STAFF SIZE(CONT)

AGENCY	LAB	TOTAL
USDA/ARS	WATER QUALITY MANAGEMENT LABORATORY	32
USDA/ARS	GRASSLAND, SOIL AND WATER RESEARCH LABORATORY	32
USDA/ARS	YAKIMA AGRICULTURAL RESEARCH LABORATORY	31
USDA/ARS	SOUTHERN PIEDMONT CONSERVATION LABORATORY	30
USDA/ARS	U.S. SUGARCANE FIELD LABORATORY	30
USDA/ARS	NATURAL POLYMERS LABORATORY	30
USDA/ARS	ENGINEERING AND DEVELOPMENT LABORATORY	29
USDA/ARS	U.S. VEGETABLE LABORATORY	28
USDA/ARS	NORTHERN GRAIN INSECTS RESEARCH LABORATORY	28
USDA/ARS	CONSERVATION AND PRODUCTION RESEARCH LAB	28
USDA/ARS	FRUIT AND VEGETABLE CHEM. RES. UNIT	26
USDA/ARS	SOIL EROSION LABORATORY	26
USDA/ARS	BIOLOGICAL CONTROL OF INSECTS RESEARCH LAB	25
USDA/ARS	COTTON TEXTILE CHEMISTRY LABORATORY	24
USDA/ARS	COTTON RESEARCH LABORATORY	23
USDA/ARS	U.S. PLANT, SOIL, AND NUTRITION LABORATORY	20
USDA/ARS	DAIRY FORAGE RESEARCH CENTER	18
USDA/ARS	CITRUS AND SUB-TROPICAL PRODUCTS LABORATORY	17
USDA/ARS	WEED RESEARCH LABORATORY	16
USDA/FS	NORTHEASTERN FOREST EXPERIMENT STATION	396
USDA/FS	NORTH CENTRAL EXPERIMENT STATION	346
USDA/FS	FOREST PRODUCTS LABORATORY	339
USDA/FS	SOUTHERN FOREST EXPERIMENT STATION	322
USDA/FS	SOUTHEASTERN FOREST EXPERIMENT STATION	287
USDA/FS	PACIFIC NORTHWEST EXPERIMENT STATION	282
USDA/FS	PACIFIC SOUTHWEST FOREST EXPERIMENT STATION	255
USDA/FS	INTERMOUNTAIN FOREST AND RANGE EXP. STA.	240
USDA/FS	ROCKY MOUNTAIN FORESTRY AND RANGE EXP. STATION	230
VA	BIRMINGHAM VA MEDICAL CENTER	10+
VA	LITTLE ROCK VA MEDICAL CENTER	10+
VA	TUCSON VA MEDICAL CENTER	10+
VA	LONG BEACH VA MEDICAL CENTER	10+
VA	LOS ANGELES BRENTWOOD VA MEDICAL CENTER	10+
VA	LOS ANGELES WADSWORTH DIV. VA MEDICAL CENTER	10+
VA	MARTINEZ VA MEDICAL CENTER	10+
VA	PALO ALTO VA MEDICAL CENTER	10+
VA	SAN DIEGO VA MEDICAL CENTER	10+
VA	SAN FRANCISCO VA MEDICAL CENTER	10+
VA	SEPULVEDA VA MEDICAL CENTER	10+
VA	DENVER VA MEDICAL CENTER	10+
VA	WEST HAVEN VA MEDICAL CENTER	10+
VA	WASHINGTON VA MEDICAL CENTER	10+
VA	GAINESVILLE VA MEDICAL CENTER	10+
VA	MIAMI VA MEDICAL CENTER	10+
VA	TAMPA VA MEDICAL CENTER	10+
VA	AUGUSTA VA MEDICAL CENTER	10+
VA	IOWA CITY VA MEDICAL CENTER	10+
VA	CHICAGO LAKESIDE VA MEDICAL CENTER	10+
VA	CHICAGO WEST SIDE VA MEDICAL CENTER	10+
VA	HINES VA MEDICAL CENTER	10+

FEDERAL LABORATORIES LISTED BY AGENCY AND STAFF SIZE (CONT)

AGENCY	LAB	TOTAL
VA	INDIANAPOLIS VA MEDICAL CENTER	10+
VA	LEXINGTON VA MEDICAL CENTER	10+
VA	NEW ORLEANS VA MEDICAL CENTER	10+
VA	BEDFORD VA MEDICAL CENTER	10+
VA	BOSTON VA MEDICAL CENTER	10+
VA	WEST ROXBURY VA MEDICAL CENTER	10+
VA	ANN ARBOR VA MEDICAL CENTER	10+
VA	MINNEAPOLIS VA MEDICAL CENTER	10+
VA	COLUMBIA VA MEDICAL CENTER	10+
VA	KANSAS CITY VA MEDICAL CENTER	10+
VA	ST. LOUIS VA MEDICAL CENTER	10+
VA	DURHAM VA MEDICAL CENTER	10+
VA	OMAHA VA MEDICAL CENTER	10+
VA	EAST ORANGE VA MEDICAL CENTER	10+
VA	ALBANY VA MEDICAL CENTER	10+
VA	BRONX VA MEDICAL CENTER	10+
VA	BROOKLYN VA MEDICAL CENTER	10+
VA	BUFFALO VA MEDICAL CENTER	10+
VA	NEW YORK VA MEDICAL CENTER	10+
VA	SYRACUSE VA MEDICAL CENTER	10+
VA	CINCINNATI VA MEDICAL CENTER	10+
VA	CLEVELAND VA MEDICAL CENTER	10+
VA	OKLAHOMA CITY VA MEDICAL CENTER	10+
VA	PORTLAND VA MEDICAL CENTER	10+
VA	PHILADELPHIA VA MEDICAL CENTER	10+
VA	PITTSBURGH VA MEDICAL CENTER	10+
VA	CHARLESTON VA MEDICAL CENTER	10+
VA	MEMPHIS VA MEDICAL CENTER	10+
VA	NASHVILLE VA MEDICAL CENTER	10+
VA	DALLAS VA MEDICAL CENTER	10+
VA	HOUSTON VA MEDICAL CENTER	10+
VA	SAN ANTONIO VA MEDICAL CENTER	10+
VA	SALT LAKE CITY VA MEDICAL CENTER	10+
VA	RICHMOND VA MEDICAL CENTER	10+
VA	SEATTLE VA MEDICAL CENTER	10+
VA	MADISON VA MEDICAL CENTER	10+
VA	WOOD VA MEDICAL CENTER	10+
VA	ALBUQUERQUE VA MEDICAL CENTER	10+

TABLE 7  
FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

HOWARD E. SORROWS DOC ROOM A402, ADMINISTRATION BUILDING WASHINGTON	'DIRECTOR': DR. ERNEST AMBLER NATIONAL BUREAU OF STANDARDS DC 20234	STAFF:TOT 3072 R&D 1996
DR. HARVEY M. GATES DOC BOULDER	'DIRECTOR': DR. WILLIAM E. UTLAUT INSTITUTE FOR TELECOMMUNICATION SCIENCES CO 80302	STAFF:TOT 94 R&D 94
DR. WILLIAM ARON DOC/NOAA 2725 MONRL AKE BLVD., EAST SEATTLE	'DIRECTOR': DR. WILLIAM ARON NORTHWEST AND ALASKA FISHERIES CENTER WA 98112	STAFF:TOT 192 R&D 192
DOC/NOAA SYSTEMS DEVELOPMENT OFFICE SILVER SPRING	'DIRECTOR': DR. DOUGLAS H. SARGEANT MD	STAFF:TOT 115 R&D 86
DOC/NOAA AIR RESOURCES LABORATORY SILVER SPRING	'DIRECTOR': DR. LESTER MACHTA MD	STAFF:TOT 113 R&D 113
DOC/NOAA ATLANTIC OCEANOGRAPHIC AND METEOROLOGICAL LAB MIAMI	'DIRECTOR': DR. HUGO BEZDEK FL	STAFF:TOT 111 R&D 111
DR. WILLIAM W. FOX, JR. DOC/NOAA 75 VIRGINIA BEACH DRIVE MIAMI	'DIRECTOR': DR. WILLIAM W. FOX, JR. SOUTHEAST FISHERIES CENTER FL 33149	STAFF:TOT 109 R&D 109
RICHARD E. HENNEMUTH DOC/NOAA WOODS HOLE	'DIRECTOR': RICHARD E. HENNEMUTH NORTH EAST FISHERIES CENTER MA 02543	STAFF:TOT 106 R&D 90
DOC/NOAA GEOPHYSICAL FLUID DYNAMICS LABORATORY PRINCETON	'DIRECTOR': DR. JOSEPH SMAGORINSKY NJ	STAFF:TOT 80 R&D 80
CARL J. SINDERMAN DOC/NOAA HIGHLANDS	'DIRECTOR': CARL J. SINDERMAN SANDY HOOK LABORATORY NJ 07732	STAFF:TOT 75 R&D 71
		PHONE: 201-782-0200 FTS 392-8200

\*The title 'Director' is used in a generic sense. The actual title used varies from Agency to Agency. In DoD laboratories there are usually separate positions of Commander and Technical Director. In those cases, the Commander has been listed in this table.

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE (CONT)

-----

IZADORE BARRETT 'DIRECTOR': IZADORE BARRETT  
 DOC/NOAA SOUTHWEST FISHERIES CENTER STAFF:TOT 73  
 8604 LA JOLLA SHORES DRIVE, P.O. BOX 271 R&D 73  
 LA JOLLA CA 92038 PHONE: 714-453-3149 FTS 893-6820

DOC/NOAA WAVE PROPAGATION LABORATORY 'DIRECTOR': DR. C. GORDON LITTLE  
 BOULDER CO PHONE: STAFF:TOT 70 R&D 70

DOC/NOAA SPACE ENVIRONMENT LABORATORY 'DIRECTOR': DR. DONALD WILLIAMS  
 BOULDER CO PHONE: STAFF:TOT 68 R&D 41

DOC/NOAA OFFICE OF WEATHER RESEARCH AND MODIFICATION 'DIRECTOR': DR. CHARLES CHAPPELL  
 BOULDER CO PHONE: STAFF:TOT 66 R&D 63

DR. THEODORE RICE 'DIRECTOR': DR. THEODORE RICE  
 DOC/NOAA BEAUFORT LABORATORY STAFF:TOT 56  
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DOC/NOAA PACIFIC MARINE ENVIRONMENTAL LABORATORY 'DIRECTOR': DR. JOHN APEL  
 SEATTLE WA PHONE: STAFF:TOT 53 R&D 53

DOC/NOAA RESEARCH FACILITIES CENTER 'DIRECTOR': DR. C. B. EMMANUEL  
 MIAMI FL PHONE: STAFF:TOT 50 R&D 47

DOC/NOAA AUKE BAY LABORATORY 'DIRECTOR': DR. WILLIAM A. SMOKER  
 P.O. BOX 155 STAFF:TOT 47  
 AUKE BAY AK 39180 PHONE: R&D 47 EXT. 2533

DOC/NOAA GREAT LAKES ENVIRONMENTAL RESEARCH LAB 'DIRECTOR': DR. EUGENE AUBERT  
 ANN ARBOR MI 0 PHONE: STAFF:TOT 47 R&D 47

DOC/NOAA AERONOMY LABORATORY 'DIRECTOR': DR. ELDON FERGUSON  
 BOULDER DO PHONE: STAFF:TOT 44 R&D 44

RICHARD S. SHOMURA 'DIRECTOR': RICHARD S. SHOMURA  
 DOC/NOAA HONOLULU LABORATORY STAFF:TOT 41  
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FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE (CONT)

'DIRECTOR': DR. EDWIN KESSLER

DOC/NOAA NATIONAL SEVERE STORMS LABORATORY STAFF:TOT 41  
R&D 41

NORMAN OK PHONE:

MR. HARVEY KLASSEN 'DIRECTOR': DR. WARREN A. HOVIS  
DOC/NOAA SATELLITE EXPERIMENT LABORATORY STAFF:TOT 37  
FB4, ROOM 0215 R&D 22  
SUITLAND MD 20233 PHONE: 203-447-4590 A/V:636-4590

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DOC/NOAA MISSISSIPPI LABORATORIES STAFF:TOT 36  
3209 FREDERICK ST., P.O. DRAWER 1207 R&D 36  
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DR. HARRY L. SEAGRAN 'DIRECTOR': DR. HARRY L. SEAGRAN  
DOC/NOAA CHARLESTON LABORATORY STAFF:TOT 34  
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DR. EDWARD J. KLIMA 'DIRECTOR': DR. EDWARD J. KLIMA  
DOC/NOAA GALVESTON LABORATORY STAFF:TOT 30  
4700 AVENUE U R&D 30  
GALVESTON TX 77550 PHONE: 713-763-1211 FTS 527-6501

LOUIS J. RONSIVALLI 'DIRECTOR': LOUIS J. RONSIVALLI  
DOC/NOAA GLOUCESTER LABORATORY STAFF:TOT 28  
EMERSON AVENUE R&D 21  
GLOUCESTER MA 01930 PHONE: 617-281-3600 FTS 837-9276

'DIRECTOR': M. E. RINGENBACH  
DOC/NOAA ENGINEERING DEVELOPMENT OFFICE STAFF:TOT 27  
R&D 21  
RIVERDALE MD PHONE:

DR. WILLIAM ARON 'DIRECTOR': DR. MICHAEL TILLMAN  
DOC/NOAA NATIONAL MARINE MAMMAL LABORATORY STAFF:TOT 27  
2725 MONTLAKE BLVD., EAST R&D 27  
SEATTLE WA 98112 PHONE: 206-442-4760 FTS 399-4760

DR. JAMES HANKF 'DIRECTOR': DR. JAMES HANKF  
DOC/NOAA MILFORD LABORATORY STAFF:TOT 26  
R&D 23  
MILFORD CT 06460 PHONE: 203-878-2459 FTS 642-5240

DR. KENNETH SHERMAN 'DIRECTOR': DR. KENNETH SHERMAN  
DOC/NOAA NARRAGANSETT LABORATORY STAFF:TOT 23  
ROUTE 7A, P.O. BOX 522A R&D 22  
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'DIRECTOR': DR. MICHAEL D. HUDLOW  
DOC/NOAA HYDROLOGICAL RESEARCH LABORATORY STAFF:TOT 20  
R&D 19  
SILVER SPRING MD PHONE:

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

NORMAN ABRAMSON 'DIRECTOR': NORMAN ABRAMSON  
 DOC/NOAA TIBURON LABORATORY STAFF:TOT 18  
 3150 PARADISE DRIVE R&D 18  
 TIBURON CA 94920 PHONE: 415-435-3149 FTS 556-0565

EUGENE L. NAKAMURA 'DIRECTOR': EUGENE L. NAKAMURA  
 DOC/NOAA PANAMA CITY LABORATORY STAFF:TOT 18  
 3500 DELWOOD BEACH ROAD R&D 18  
 PANAMA CITY FL 32407 PHONE: 904-234-6541 FTS 946-4232

ROBERT WOLOTIRA 'DIRECTOR': ROBERT WOLOTIRA  
 DOC/NOAA KODIAK LABORATORY STAFF:TOT 15  
 P.O. BOX 1638 R&D 15  
 KODIAK AK 99615 PHONE: 907-487-4961

BERNARD H. CHOVITZ 'DIRECTOR': BERNARD H. CHOVITZ  
 DOC/NOAA GEODETIC RESEARCH AND DEVELOPMENT LABORATORY STAFF:TOT 15  
 R&D 12  
 ROCKVILLE MD PHONE:

CAPT. PAUL E. TYLER 'DIRECTOR': CAPT. PAUL E. TYLER  
 DOD ARMED FORCES RADIobiology RESEARCH LAB STAFF:TOT 216  
 R&D 168  
 BETHEsDA MD 0 PHONE:

MAJ. ROBERT M. BONE 'DIRECTOR': MAJ. ROBERT M. BONE  
 DOD/AF ARMAMENT DIVISION STAFF:TOT 6389  
 AFATL/DL0D R&D 3756  
 ELGIN AFB FL 32542 PHONE: 904-822-5344 904-822-4740

CDR BG. P. J. CONLEY JR. 'DIRECTOR': CDR BG. P. J. CONLEY JR.  
 DOD/AF FLIGHT TEST CENTER STAFF:TOT 5136  
 R&D 3185  
 EDWARDS AFB CA PHONE:

COL. P.O. BOUCHARD 'DIRECTOR': COL. P.O. BOUCHARD  
 DOD/AF ROME AIR DEVELOPMENT CENTER STAFF:TOT 1323  
 RADC/DOT R&D 1125  
 GRIFFISS AFB NY 13441 PHONE: 315-330-3047 A/V: 587-3047

DR. W. L. LEHMANN 'DIRECTOR': DR. W. L. LEHMANN  
 DOD/AF WEAPONS LABORATORY STAFF:TOT 1111  
 AFWL/CA R&D 1033  
 KIRTLAND AFB NM 87117 PHONE: 505-844-4293 A/V:244-4293

COL. R. F. LOPINA 'DIRECTOR': COL. R. F. LOPINA  
 DOD/AF AVIONICS LABORATORY STAFF:TOT 944  
 AFWAL/TST R&D 916  
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COL. R. C. BARLOW 'DIRECTOR': COL. R. C. BARLOW  
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 AFWAL/TST R&D 810  
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FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

'DIRECTOR': COL. W. M. BURKETT

DOD/AF WESTERN SPACE AND MISSILE CENTER STAFF:TOT 724  
R&D 66

VANDENBERG AFB CA PHONE:

MAJOR MICHAEL J. MAC DONALD 'DIRECTOR': DR. BILLY E. WELCH  
DOD/AF SCHOOL OF AEROSPACE MEDICINE STAFF:TOT 666  
TECHNICAL PLANS AND ANALYSIS DIVISION R&D 486  
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DR. J.W. HOWARD 'DIRECTOR': COL. JAMES E. BAKER  
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MR. JAMES JOHNSON 'DIRECTOR':  
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AFWAL/TST R&D 206  
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AFHL/TSZ R&D 302  
BROOKS AFB TX 78235 PHONE: 512-536-3426 A/V:240-3426

MR. W.R. BLADOS 'DIRECTOR': COL. ROY H. DE HART  
DOD/AF AEROSPACE MEDICAL RESEARCH LABORATORY STAFF:TOT 289  
HDQS. AFSC R&D 289  
ANDREWS AFB 20334 PHONE: 301-981-4493 A/V:858-4493

'DIRECTOR': CDR CO. MICHAEL H. ALEXAND  
DOD/AF ARNOLD ENGINEERING DEVELOPMENT CENTER STAFF:TOT 223  
R&D 208  
TULLAHOMA TN PHONE:

CAPT. NORMAN FLEMING 'DIRECTOR': COL. FRANCIS CROWLEY, III  
DOD/AF ENGINEERING AND SERVICES CENTER/ R&D STAFF:TOT 104  
HQAFESC/RDX FL 32401 PHONE: 904-283-6493 904-283-6309 R&D 85  
TYNDALL AFB

MAJOR T. DALE BAXTER 'DIRECTOR': LT. COL. W. D. SIORO  
DOD/AF FRANK J. SEIBLER RESEARCH LABORATORY STAFF:TOT 33  
FJSRL/XO R&D 16  
USAF ACADEMY CO 80840 PHONE: 303-472-3120

'DIRECTOR': D. BALL  
DOD/ARMY WHITE SANDS MISSILE RANGE STAFF:TOT 3672  
R&D 2350  
WHITE SANDS NM PHONE:

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE (CONT)

DR. WILLIAM FISCO 'DIRECTOR': COL. D. P. WHALEN  
 DOD/ARMY LARGE CALIBER WEAPONS SYSTEM LABORATORY STAFF:TOT 1791  
 LCWSL-DRDAR-LCE-C R&D 1486  
 DOVER NJ 07801 PHONE: 201-328-2561 A/V:880-2561

MR. AL SHERLOCK 'DIRECTOR': MR. F. R. BROWN  
 DOD/ARMY ENGINEER WATERWAYS EXPERIMENT STATION STAFF:TOT 1399  
 WESTV, P. O. BOX 631 R&D 504  
 VICKSBURG MS 39180 PHONE: 601-636-3111 EXT. 2533

DR. KARL H. STEINBACH 'DIRECTOR': COL. ALBERT F. DORRISE  
 DOD/ARMY MOBILITY EQUIPMENT R&D COMMAND STAFF:TOT 1262  
 ATTN: DRDME-ZK R&D 403  
 FORT BELVOIR VA PHONE: 703-664-4970 A/V:354-4970

DR. R. DECARAU 'DIRECTOR': COL. R. J. CUTHBERTSON  
 DOD/ARMY NATICK R&D COMMAND STAFF:TOT 1187  
 FOOD SCIENCES LABORATORY R&D 771  
 NATICK MA 01760 PHONE: 617-633-5172 A/V:256-5172

MR. CLIFFORD E. LANHAM 'DIRECTOR': COL. CLIFTON R. GOODWIN  
 DOD/ARMY HARRY DIAMOND LABORATORIES STAFF:TOT 1154  
 CODE DELHD-TT, 2800 POWDER MILL RD. R&D 623  
 ADELPHI DC 20783 PHONE: 202-394-2296 A/V:290-2296

DR. VIC RUWE 'DIRECTOR': CDR LOUIS RACHMELER  
 DOD/ARMY MISSILE RESEARCH AND DEVELOPMENT COMMAND STAFF:TOT 1001  
 DRSMI-RST R&D 590  
 REDSTONE ARSENAL AL 35898 PHONE: 205-876-8650 A/V:746-8650

DOD/ARMY YUMA PROVING GROUND 'DIRECTOR': COL. JAMES M. DAVIS, JR.  
 STAFF:TOT 986  
 YUMA AZ R&D 760. PHONE:

DOD/ARMY MATERIEL TESTING DIRECTORATE 'DIRECTOR': DONALD RESCH  
 STAFF:TOT 917  
 ABERDEEN PROVING GROUND MD R&D 624 PHONE:

MR. L. WARE 'DIRECTOR': COL. PHOLLIPS K. RUSSELL  
 DOD/ARMY WALTER REED ARMY INSTITUTE OF RESEARCH STAFF:TOT 913  
 R&D 611  
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WILLIAM A. BARR 'DIRECTOR': CDR.: BRIG. GEN. HOWARD C. WHITTAKER  
 DOD/ARMY CHEMICAL SYSTEMS LABORATORY STAFF:TOT 907  
 DRDAR-CLY-L R&D 644  
 ABERDEEN PROVING GROUND MD 21010 PHONE: 301-671-2031 A/V:584-2031

MR. S.W. ARGO 'DIRECTOR': A. H. ANDERSON  
 DOD/ARMY TANK R&D COMMAND STAFF:TOT 835  
 DRDTA-RG R&D 435  
 WARREN MI 48090 PHONE: 313-574-6372 A/V:786-6372

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

-----  
'DIRECTOR': COL. JAMES H. PHILLIPS  
DOD/ARMY ELECTRONIC PROVING GROUND STAFF:TOT 800  
R&D 328  
FORT HUACHUCHUA AZ PHONE:  
  
MR. A.D. COATES 'DIRECTOR': DR. ROBERT J. EICHELBERGER  
DOD/ARMY BALLISTIC RESEARCH LABORATORY STAFF:TOT 781  
R&D 734  
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DR. MORTIMER ROTHENBUR 'DIRECTOR': COL. CHARLES H. BAY  
DOD/ARMY DUGWAY PROVING GROUND STAFF:TOT 778  
STEDP-C R&D 599  
DUGWAY UT 84022 PHONE: 801-522-3314 A/V:789-3314  
  
MR. D.W. SEITZ 'DIRECTOR': CO. W. R. BENOIT  
DOD/ARMY MATERIALS AND MECHANICS RESEARCH CENTER STAFF:TOT 622  
CODE DRXME-PMT R&D 435  
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DOD/ARMY FIRE CONTROL AND SMALL CALIBER WEAPONS SYSTEM STAFF:TOT 579  
LCWSL-DRDAR-LCE-C R&D 371  
DOVER NJ 07801 PHONE: 201-328-2561 A/V:880-2561  
  
'DIRECTOR': DR. RICHARD M. CARLSON  
DOD/ARMY AVIATION RESEARCH AND TECHNOLOGY LABS STAFF:TOT 560  
R&D 515  
MOFFETT FIELD CA PHONE:  
  
ROBERT E. NORTHRUP, JR. 'DIRECTOR': COL. WILLIAM F. RAWLINSON  
DOD/ARMY ATMOSPHERIC SCIENCES LABORATORY STAFF:TOT 533  
DELAS-DP R&D 336  
WHITE SANDS NM 88002 PHONE: 505-678-5236 A/V:789-5236  
  
MR. L. WARE 'DIRECTOR': COL. RICHARD F. BARQUIST  
DOD/ARMY MEDICAL RESEARCH INST. OF INFECTIOUS DISEASES STAFF:TOT 507  
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DR. W.S. MCAFEE 'DIRECTOR': MR. MAX ADLER  
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DRDEL-SA R&D 262  
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MR. RICHARD V. FULTON 'DIRECTOR': DR. LOUIS CAMERON  
DOD/ARMY NIGHT VISION AND ELECTRO-OPTICS LABORATORY STAFF:TOT 491  
ATTN: DELNV-D R&D 93  
FORT BELVOIR VA 22060 PHONE: 703-664-5605 A/V:454-3923  
  
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DOD/ARMY COMMUNICATIONS R&D COMMAND STAFF:TOT 449  
R&D 400  
FORT MONMOUTH NJ PHONE:

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

'DIRECTOR': CO. ALBERT DEPROSPERO  
 DOD/ARMY MATERIAL SYSTEMS ANALYSIS ACTIVITY STAFF:TOT 440  
 R&D 375

ABERDEEN PROVING GROUND MD PHONE:

DR. JACK MATTICKS 'DIRECTOR': COL. FRANKLIN A. HART  
 DOD/ARMY RES. INST. FOR BEHAVIORAL AND SOCIAL SCIENCES STAFF:TOT 358  
 R&D 248  
 PERI-P AMC BLDG.  
 ALEXANDRIA VA PHONE: 202-274-8275 A/V:284-8275

'DIRECTOR': COL. WILLIAM E. CROUCH, JR  
 DOD/ARMY AVIATION DEVELOPMENT TEST ACTIVITY STAFF:TOT 324  
 R&D 214

FORT RUCKER AL PHONE:

DR. KENNETH R. KOTHE 'DIRECTOR': COL. DANIEL L. LYCAN  
 DOD/ARMY ENGINEER TOPOGRAPHIC LABORATORIES STAFF:TOT 314  
 R&D 288  
 BUILDING 2592  
 FT. BELVOIR VA 22060 PHONE: 703-664-5828 A/V 354-5828

'DIRECTOR': COL. JAMES F. HENRIONNET  
 DOD/ARMY COLD REGIONS TEST CENTER STAFF:TOT 304  
 R&D 165

APO SEATTLE WA PHONE:

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 DOD/ARMY LETTERMAN ARMY INSTITUTE OF RESEARCH STAFF:TOT 278  
 R&D 178  
 PRESIDIO  
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DR. W.S. McAFFEE 'DIRECTOR': DR. C. G. THORNTON  
 DOD/ARMY ELECTRONICS TECHNOLOGY AND DEVICES LABORATORY STAFF:TOT 278  
 R&D 239  
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DR. ANDREW ASSUR 'DIRECTOR': COL. W. A. HANSON  
 DOD/ARMY COLD REGIONS R&D LABORATORY STAFF:TOT 277  
 R&D 122  
 72 LYME ROAD  
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'DIRECTOR': HERBERT S. HOVEY, JR.  
 DOD/ARMY SIGNALS WARFARE LABORATORY STAFF:TOT 237  
 R&D 36

VINT HILL VA PHONE:

MR. L. WARE 'DIRECTOR': COL. BASIL A. PRUITT, JR  
 DOD/ARMY INSTITUTE OF SURGICAL RESEARCH STAFF:TOT 229  
 R&D 108

FORT SAM HOUSTON TX PHONE:

DR. W.S. McAFFEE 'DIRECTOR': COL. D. PETERSON  
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 R&D 141  
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FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE (CONT)

-----

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P. O. BOX 4005 R&D 129  
CHAMPAIGN IL 61820 PHONE: 217-352-6511

MS. SUSAN LUCKAN 'DIRECTOR': COL. FRANKLIN H. TOP, JR.  
DOD/ARMY MEDICAL RESEARCH INST. OF CHEM. DEFENSE STAFF:TOT 187  
SQRD-UV-ZA R&D 167  
ABERDEEN PROVING GROUND MD 21010 PHONE: 301-671-3653 A/V:584-3653

DR. W.S. MCAFEE 'DIRECTOR': COL. J. G. MIKULA  
DOD/ARMY COMBAT SURVEILLANCE AND TARGET AQUISITION LA STAFF:TOT 179  
DRDEL-SA R&D 88  
FORT MONMOUTH NJ 07703 PHONE: 201-544-4131 A/V:992-4131

MR. L. WARE 'DIRECTOR': COL. HARRY G. DANGERFIELD  
DOD/ARMY RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE STAFF:TOT 175  
R&D 140  
NATICK MA PHONE:

DR. DONALD EGNER 'DIRECTOR': DR. JOHN D. WEISZ  
DOD/ARMY HUMAN ENGINEERING LABORATORY STAFF:TOT 175  
R&D 159  
ABERDEEN PROVING GROUND MD 21005 PHONE: 301-278-4567 A/V:283-4567

'DIRECTOR': COL. LEWIS J. MC CONNELL  
DOD/ARMY AVIATION ENGINEERING FLIGHT ACTIVITY STAFF:TOT 166  
R&D 134  
EDWARDS AFB CA PHONE:

MR. LAWRENCE WARE 'DIRECTOR': CDR BG G. PAPMUND  
DOD/ARMY MEDICAL R&D COMMAND STAFF:TOT 149  
BUILDING 521 R&D 141  
FORT DETRICK MD 21701 PHONE: 301-663-7325 A/V:343-7325

MS. JUNE GREER 'DIRECTOR': COL. STANLEY C. KNAPP  
DOD/ARMY AEROMEDICAL RESEARCH LABORATORY STAFF:TOT 142  
P. O. BOX 577 R&D 113  
FORT RUCKER AL 36362 PHONE: 205-255-5107

'DIRECTOR': CDR COL. RICHARD P. VARRER  
DOD/ARMY TROPIC TEST CENTER STAFF:TOT 141  
R&D 109  
FT. CLAYTON CZ PHONE:

MR. L. WARE 'DIRECTOR': COL. JOHN N. ALBERTSON, JR  
DOD/ARMY MEDICAL BIOENGINEERING R&D LABORATORY STAFF:TOT 136  
BUILDING 521 R&D 116  
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MR. L. WARE 'DIRECTOR': COL. DUANE E. CUTRIGHT  
DOD/ARMY INSTITUTE OF DENTAL RESEARCH STAFF:TOT 106  
R&D 64  
WASHINGTON DC PHONE:

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE (CONT)

-----

DOD/ARMY	ARMY RESEARCH OFFICE	'DIRECTOR': COL. ANTHONY P. SIMKUS	STAFF:TOT 96
			R&D 95
DURHAM	NC	PHONE:	
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 OXFORD MS 38655 PHONE: 601-234-4121

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

DR. ROGER O. DRUMMOND 'DIRECTOR': DR. ROGER O. DRUMMOND  
 USDA/ARS U. S. LIVESTOCK INSECTS LABORATORY STAFF:TOT 43  
 USDA-S&E-ARS-SR, P.O. BOX 232 R&D 43  
 KERRVILLE TX PHONE: 512-257-3566

DR. THOMAS J. HENNEBERRY 'DIRECTOR': DR. THOMAS J. HENNEBERRY  
 USDA/ARS WESTERN COTTON RESEARCH LABORATORY STAFF:TOT 42  
 USDA-S&E-ARS-WR, 4135 EAST BROADWAY R&D 42  
 PHOENIX AZ 85040 PHONE: 602-261-3524 FTS 261-3524

DR. ALFRED L. BLACK 'DIRECTOR': DR. ALFRED L. BLACK  
 USDA/ARS NORTHERN GREAT PLAINS RESEARCH CENTER STAFF:TOT 42  
 USDA-S&E-ARS-NCR, P.O. BOX 459 R&D 42  
 MANDAN ND 58554 PHONE: 701-663-6445 FTS 783-4011

DR. T. B. DAVICH 'DIRECTOR': DR. T. B. DAVICH  
 USDA/ARS BOLL WEEVIL RESEARCH LABORATORY STAFF:TOT 41  
 USDA-S&E-ARS-SR, P.O. BOX 5367 R&D 41  
 MISSISSIPPI STATE MS 39762 PHONE: 601-323-2230 FTS 490-4676

DR. HERMAN BOUWER 'DIRECTOR': DR. HERMAN BOUWER  
 USDA/ARS U.S.WATER CONSERVATION LABORATORY STAFF:TOT 40  
 USDA-S&E-ARS-WR, 4331 EAST BROADWAY R&D  
 PHOENIX AZ 85040 PHONE: 602-261-4356 FTS 261-4356

MR. BILL A. BUTT 'DIRECTOR': MR. BILL A. BUTT  
 USDA/ARS APPALACHIAN FRUIT RESEARCH STATION STAFF:TOT 38  
 USDA-S&E-ARS-NER, ROUTE 2, BOX 45 R&D 38  
 KEARNEYSVILLE WV 25430 PHONE: 304-725-3451

DR. ALBERT BARIL 'DIRECTOR': DR. ALBERT BARIL  
 USDA/ARS COTTON TEXTILE PROCESSING LABORATORY STAFF:TOT 37  
 USDA-S&E-ARS-SRRC, 1100 ROBERT E. LEE BLVD., PO BOX 19687 R&D 37  
 NEW ORLEANS LA 70179 PHONE: FTS 682-7582

DR. JAMES F. CHAPLIN 'DIRECTOR': DR. JAMES F. CHAPLIN  
 USDA/ARS TOBACCO RESEARCH LABORATORY STAFF:TOT 36  
 USDA-S&E-ARS-SR, ROUTE 2, BOX 16G R&D 36  
 OXFORD NC 27565 PHONE: 919-693-5151

DR. CHARLES W. BEARD 'DIRECTOR': DR. CHARLES W. BEARD  
 USDA/ARS SOUTHEAST POULTRY RESEARCH LABORATORY STAFF:TOT 35  
 USDA-S&E-ARS-SR, 934 COLLEGE STATION RD. R&D 35  
 ATHENS GA 30613 PHONE: 250-3432

DR. F. I. PROSHOLD 'DIRECTOR': DR. F. I. PROSHOLD  
 USDA/ARS BIOENVIRONMENTAL INSECTS CONTROL LABORATORY STAFF:TOT 35  
 USDA-S&E-ARS-SR, P. O. BOX 225 R&D 35  
 STONEVILLE MS 38776 PHONE: FTS 497-2232

DR. RALPH BERNI 'DIRECTOR': DR. RALPH BERNI  
 USDA/ARS COMPOSITION AND PROPERTIES LABORATORY STAFF:TOT 34  
 USDA-S&E-ARS-SRRC, 1100 ROBERT E. LEE BLVD., PO BOX 19687 R&D 34  
 NEW ORLEANS LA 70179 PHONE: FTS 682-7547

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

DR. CHESTER G. MC WHORTER 'DIRECTOR': DR. CHESTER G. MC WHORTER  
 USDA/ARS SOUTHERN WEED SCIENCE LABORATORY STAFF:TOT 34  
 USDA-S&E-ARS-SR, P. O. BOX 225 R&D 34  
 STONEVILLE MS 38776 PHONE: FTS 497-2221

DR. IVAN L. BERRY 'DIRECTOR': DR. IVAN L. BERRY  
 USDA/ARS LIVESTOCK INSECTS RESEARCH LABORATORY STAFF:TOT 33  
 USDA, UNIV. OF NE, E. CAMPUS, 305A PLANT INDUSTRY BLDG. R&D 33  
 LINCOLN NE 68533 PHONE: 402-472-2918 FTS 541-5267

DR. JAMES W. SNOW 'DIRECTOR': DR. JAMES W. SNOW  
 USDA/ARS SOUTHEASTERN FRUIT & TREE NUT RES. LAB STAFF:TOT 32  
 USDA-S&E-ARS-SR, P.O. BOX 87 R&D 32  
 BYRON GA 31008 PHONE: FTS 238-0422

DR. JOHNIE N. JENKINS 'DIRECTOR': DR. JOHNIE N. JENKINS  
 USDA/ARS CROP SCIENCE AND ENGINEERING RES. LABORATORY STAFF:TOT 32  
 USDA-S&E-ARS-SR, P.O. BOX 5465 R&D 32  
 MISSISSIPPI STATE MS 39762 PHONE: FTS 490-4676

DR. J. ROGER MC HENRY 'DIRECTOR': DR. J. ROGER MC HENRY  
 USDA/ARS WATER QUALITY MANAGEMENT LABORATORY STAFF:TOT 32  
 USDA-S&E-ARS-SR, 801 WILSON ST., P.O. BOX 1430 R&D 32  
 DURANT OK 74701 PHONE: FTS 736-5401

DR. EARL BURNETT 'DIRECTOR': DR. EARL BURNETT  
 USDA/ARS GRASSLAND, SOIL AND WATER RESEARCH LABORATORY STAFF:TOT 32  
 USDA-S&E-ARS-SR, P.O. BOX 748 R&D 32  
 TEMPLE TX 76501 PHONE: FTS 736-1201

DR. ARTHUR K. BURDITT, JR. 'DIRECTOR': DR. ARTHUR K. BURDITT, JR.  
 USDA/ARS YAKIMA AGRICULTURAL RESEARCH LABORATORY STAFF:TOT 31  
 USDA-S&E-ARS-WR, 3706 WEST NOB HILL ROAD R&D 31  
 YAKIMA WA 98902 PHONE: 509-575-5877

DR. JAMES E. BOS, JR. 'DIRECTOR': DR. JAMES E. BOX, JR.  
 USDA/ARS SOUTHERN PIEDMONT CONSERVATION LABORATORY STAFF:TOT 30  
 USDA-S&E-ARS-SR, HIGHWAY 53, P.O. BOX 555 R&D 30  
 WATKINSVILLE GA 30677 PHONE: FTS 250-2425

DR. JAMES E. IRVINE 'DIRECTOR': DR. JAMES E. IRVINE  
 USDA/ARS U.S. SUGARCANE FIELD LABORATORY STAFF:TOT 30  
 USDA-S&E-ARS-SR, P.O. BOX 470 R&D 30  
 HOUMA LA 70526 PHONE: FTS 682-2611

'DIRECTOR':  
 USDA/ARS NATURAL POLYMERS LABORATORY STAFF:TOT 30  
 USDA-S&E-ARS-SRRC, 1100 ROBERT E. LEE BLVD., PO BOX 19687 R&D 30  
 NEW ORLEANS LA 70179 PHONE: FTS 682-7076

DR. ANGELO V. GRACI, JR. 'DIRECTOR': DR. ANGELO V. GRACI, JR.  
 USDA/ARS ENGINEERING AND DEVELOPMENT LABORATORY STAFF:TOT 29  
 USDA-S&E-ARS-SRRC, 1100 ROBERT E. LEE BLVD., PO BOX 19687 R&D 29  
 NEW ORLEANS LA 70179 PHONE: FTS 682-7521

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

DR. ELBERT V. WANN 'DIRECTOR': DR. ELBERT V. WANN  
 USDA/ARS U.S. VEGETABLE LABORATORY STAFF:TOT 28  
 USDA-S&E-ARS-SR, 2875 SAVANNAH HIGHWAY R&D 28  
 CHARLESTON SC 29407 PHONE: FTS 677-4396

DR. GERALD R. SUTTER 'DIRECTOR': DR. GERALD R. SUTTER  
 USDA/ARS NORTHERN GRAIN INSECTS RESEARCH LABORATORY STAFF:TOT 28  
 USDA-S&E-ARS-NCR, R. R. #3 R&D 28  
 BROOKINGS SD 57006 PHONE: FTS 782-7000

DR. BOBBY STEWART 'DIRECTOR': DR. BOBBY STEWART  
 USDA/ARS CONSERVATION AND PRODUCTION RESEARCH LAB STAFF:TOT 28  
 USDA-S&E-ARS-SR, P.O. DRAWER BOX 10 R&D 28  
 BUSHLAND TX 79012 PHONE: FTS 734-2524

DR. VINCENT P. MAIER 'DIRECTOR': DR. VINCENT P. MAIER  
 USDA/ARS FRUIT AND VEGETABLE CHEM. RES. UNIT STAFF:TOT 26  
 USDA-S&E-ARS-WR, 263 S. CHESTER AVENUE R&D 26  
 PASADENA CA 91106 PHONE: 213-681-7294 FTS 681-7294

DR. WILLIAM C. MOLDENHAUER 'DIRECTOR': DR. WILLIAM C. MOLDENHAUER  
 USDA/ARS SOIL EROSION LABORATORY STAFF:TOT 26  
 USDA-S&E-ARS-NCR, 2700 KENT AVE. R&D 26  
 WEST LAFAYETTE IN 47906 PHONE: FTS 331-6001

DR. CAROLO M. IGNOFFO 'DIRECTOR': DR. CAROLO M. IGNOFFO  
 USDA/ARS BIOLOGICAL CONTROL OF INSECTS RESEARCH LAB STAFF:TOT 25  
 USDA-S&E-ARS-NCR, P. O. BOX A R&D 25  
 COLUMBIA MO 65205 PHONE: FTS 276-3194

DR. SIDNEY VAIL 'DIRECTOR': DR. SIDNEY VAIL  
 USDA/ARS COTTON TEXTILE CHEMISTRY LABORATORY STAFF:TOT 24  
 USDA-S&E-ARS-SRRC, 1100 ROBERT E. LEE BLVD., PO BOX 19687 R&D 24  
 NEW ORLEANS LA 70179 PHONE: FTS 682-7064

DR. JERRY QUISENBERRY 'DIRECTOR': DR. JERRY QUISENBERRY  
 USDA/ARS COTTON RESEARCH LABORATORY STAFF:TOT 23  
 USDA-S&E-ARS-SR, ROUTE 3 R&D 23  
 LUBBOCK TX 79401 PHONE: FTS 738-7413

DR. D. R. VAN CAMPEN 'DIRECTOR': DR. D.R. VAN CAMPEN  
 USDA/ARS U.S. PLANT, SOIL, AND NUTRITION LABORATORY STAFF:TOT 20  
 USDA-S&E-ARS-NER, CORNELL UNIV., TOWER ROAD R&D 20  
 ITHACA NY 14853 PHONE: 607-256-5480 FTS 882-4280

DR. RAMOND J. BULA 'DIRECTOR': DR. RAYMEND J. BULA  
 USDA/ARS DAIRY FORAGE RESEARCH CENTER STAFF:TOT 18  
 USDA, U. OF WI, DEPT. OF AGRONOMY, RM. 338 MOORE HALL R&D 18  
 MADISON WI 53706 PHONE: 608-262-0377 FTS 364-5242

DR. ROBERT E. BERRY 'DIRECTOR': DR. ROBERT E. BERRY  
 USDA/ARS CITRUS AND SUB-TROPICAL PRODUCTS LABORATORY STAFF:TOT 17  
 USDA-S&E-ARS-SR, P.O.BOX 1909 R&D 17  
 WINTER HAVEN FL 33880 PHONE: 813-293-4133

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

DR. ROBERT N. ANDERSON 'DIRECTOR': DR. ROBERT N. ANDERSON  
 USDA/ARS WEED RESEARCH LABORATORY STAFF:TOT 16  
 USDA-S&E-ARS-NCR, U. OF MN, AGRONOMY, 1590 GORTNER AVE. R&D 16  
 ST. PAUL MN 55108 PHONE: 612-373-0877 FTS 786-0855

RON GLASS 'DIRECTOR': DAVID B. THORUD  
 USDA/FS NORTHEASTERN FOREST EXPERIMENT STATION STAFF:TOT 396  
 P&A AD, 370 REED ROAD R&D 396  
 BROOMALL PA PHONE: 814-863-1936

RODGER LEONARD 'DIRECTOR': ROBERT A. HANN  
 USDA/FS NORTH CENTRAL EXPERIMENT STATION STAFF:TOT 346  
 P&A 1992 FOWELL AVENUE R&D 346  
 ST. PAUL MN PHONE: 612-645-5251

R. STEIDEMANN 'DIRECTOR': ROBERT YOUNGS  
 USDA/FS FOREST PRODUCTS LABORATORY STAFF:TOT 339  
 P&A, AD, NORTH WALNUT ST., BOX 5130 R&D 305  
 MADISON WI 53705 PHONE: 608-264-5745

JOHN HENLEY 'DIRECTOR': LAURENCE E. LASSEN  
 USDA/FS SOUTHERN FOREST EXPERIMENT STATION STAFF:TOT 322  
 P&A AD, T-10210, U.S. POSTAL SV. BLDG., 701 LOYOLA AVE. R&D 322  
 NEW ORLEANS LA PHONE: 504-589-6712

DR. G. LEWIS 'DIRECTOR': ELDON ROSS  
 USDA/FS SOUTHEASTERN FOREST EXPERIMENT STATION STAFF:TOT 287  
 P&A AD, POST OFFICE BLDG., BOX 2570 R&D 287  
 ASHEVILLE NC 28804 PHONE: 704-258-2850

ELDON ESTEP 'DIRECTOR': ROBERT L. ETHINGTON  
 USDA/FS PACIFIC NORTHWEST EXPERIMENT STATION STAFF:TOT 282  
 809 NE 6TH AVE. R&D 282  
 PORTLAND OR PHONE: 503-231-2059

RICHARD HUBBERD 'DIRECTOR': ROBERT Z. CALLAHAM  
 USDA/FS PACIFIC SOUTHWEST FOREST EXPERIMENT STATION STAFF:TOT 255  
 P&A AD, 1960 ADDISON ST., BOX 245 R&D 255  
 BERKELEY CA 0 PHONE: 415-486-3286

KEITH EVENS 'DIRECTOR': ROGER R. BAY  
 USDA/FS INTERMOUNTAIN FOREST AND RANGE EXP. STA. STAFF:TOT 240  
 P&A AD, 507 25TH ST. R&D 240  
 OGDEN UT PHONE: 801-626-3361

JAY KRAMMES 'DIRECTOR': DIXIE SMITH  
 USDA/FS ROCKY MOUNTAIN FORESTRY AND RANGE EXP. STATION STAFF:TOT 230  
 P&A AD, 240 W. PROSPECT ST. R&D 230  
 FT. COLLINS CO PHONE: 303-221-4390

E.E. EDDLEMAN, JR., M.D. 'DIRECTOR':  
 VA BIRMINGHAM VA MEDICAL CENTER STAFF:TOT 10+  
 700 SOUTH 19TH STREET R&D  
 BIRMINGHAM AL 35233 PHONE: 534-6323

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

KARL D. STRAUB, M.D. 'DIRECTOR':  
 VA LITTLE ROCK VA MEDICAL CENTER STAFF:TOT 10+  
 300 ROOSEVELT ROAD R&D  
 LITTLE ROCK AR 72206 PHONE: 740-2455

STANTON G. AXLINE, M.D. 'DIRECTOR':  
 VA TUCSON VA MEDICAL CENTER STAFF:TOT 10+  
 R&D  
 TUCSON AZ 85723 PHONE: 765-6424

ROBERT W. PORTER, M.D., PH.D. 'DIRECTOR':  
 VA LONG BEACH VA MEDICAL CENTER STAFF:TOT 10+  
 5901 EAST 7TH STREET R&D  
 LONG BEACH CA 90822 PHONE: 799-9711

EUSTACE A. SERAFETINIDES, M.D. 'DIRECTOR':  
 VA LOS ANGELES BRENTWOOD VA MEDICAL CENTER STAFF:TOT 10+  
 11301 WILSHIRE BLVD. R&D  
 LOS ANGELES CA 90073 PHONE: 794-2460

LUCIAN B. GUZE, M.D. 'DIRECTOR':  
 VA LOS ANGELES WADSWORTH DIV. VA MEDICAL CENTER STAFF:TOT 10+  
 WADSWORTH DIVISION R&D  
 LOS ANGELES CA 90073 PHONE: 794-2347

ROBERT EFRON, M.D. 'DIRECTOR':  
 VA MARTINEZ VA MEDICAL CENTER STAFF:TOT 10+  
 150 MUIR ROAD R&D  
 MARTINEZ CA 94553 PHONE: 450-0596

FRANKLIN G. EBAUGH, M.D. 'DIRECTOR':  
 VA PALO ALTO VA MEDICAL CENTER STAFF:TOT 10+  
 3801 MIRANDA AVENUE R&D  
 PALO ALTO CA 94304 PHONE: 449-5410

LEE W. HENDERSON, M.D. 'DIRECTOR':  
 VA SAN DIEGO VA MEDICAL CENTER STAFF:TOT 10+  
 3350 LAJOLLA VILLAGE DR. R&D  
 SAN DIEGO CA 92161 PHONE: 897-3657

THOMAS B. BRADLEY, JR., M.D. 'DIRECTOR':  
 VA SAN FRANCISCO VA MEDICAL CENTER STAFF:TOT 10+  
 4150 CLEMENT STREET R&D  
 SAN FRANCISCO CA 94121 PHONE: 470-4446

ISADORE MICHAEL SAMLOFF, M.D. 'DIRECTOR':  
 VA SEPULVEDA VA MEDICAL CENTER STAFF:TOT 10+  
 SUPULVEDA CA 91343 PHONE: 960-9481

JOHN J. FRANKS, M.D. 'DIRECTOR':  
 VA DENVER VA MEDICAL CENTER STAFF:TOT 10+  
 1055 CLERMONT STREET R&D  
 DENVER CO 80220 PHONE: 322-3447

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

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PHILIP KRAMER BONDY, M.D. 'DIRECTOR':  
 VA WEST HAVEN VA MEDICAL CENTER STAFF:TOT 10+  
 WEST SPRING STREET R&D  
 WEST HAVEN CT 06516 PHONE: 641-7608

RICHARD F. LEVINE, M.D. 'DIRECTOR':  
 VA WASHINGTON VA MEDICAL CENTER STAFF:TOT 10+  
 50 IRVING STREET, N.W. R&D  
 WASHINGTON DC 20422 PHONE: 389-7277

WILLIAM THOMAS, JR. ,M.D. 'DIRECTOR':  
 VA GAINESVILLE VA MEDICAL CENTER STAFF:TOT 10+  
 ARCHER ROAD R&D  
 GAINESVILLE FL 32602 PHONE: 947-6069

LAWRENCE M. FISHMEN, M.D. 'DIRECTOR':  
 VA MIAMI VA MEDICAL CENTER STAFF:TOT 10+  
 1201 NORTHWEST 16TH ST. R&D  
 MIAMI FL 33125 PHONE: 350-3211

ROBERT V. FARESE, M.D. 'DIRECTOR':  
 VA TAMPA VA MEDICAL CENTER STAFF:TOT 10+  
 1300 NORTH 30TH STREET R&D  
 TAMPA FL 33612 PHONE: 826-6566

JAMES W. HOLSINGER, JR. M.D. 'DIRECTOR':  
 VA AUGUSTA VA MEDICAL CENTER STAFF:TOT 10+  
 AUGUSTA GA 30904 PHONE: 251-2443

PHILIP GEORGE SCHMID, JR.,M.D. 'DIRECTOR':  
 VA IOWA CITY VA MEDICAL CENTER STAFF:TOT 10+  
 IOWA CITY IA 52240 PHONE: 863-6246

THEODORE N. PULLMAN, M.D. 'DIRECTOR':  
 VA CHICAGO LAKESIDE VA MEDICAL CENTER STAFF:TOT 10+  
 333 EAST HURON STREET R&D  
 CHICAGO IL 60611 PHONE: 384-8511

FRANK A. DELEON-JONES, M.D. 'DIRECTOR':  
 VA CHICAGO WEST SIDE VA MEDICAL CENTER STAFF:TOT 10+  
 820 SOUTH DAMEN AVENUE R&D  
 CHICAGO IL 60680 PHONE: 388-8744

EDWARD PALOYAN, M.D. 'DIRECTOR':  
 VA HINES VA MEDICAL CENTER STAFF:TOT 10+  
 EDWARD HINES, JR. HOSPITAL R&D  
 HINES IL 60141 PHONE: 387-3291

TING KAI LI, M.D. 'DIRECTOR':  
 VA INDIANAPOLIS VA MEDICAL CENTER STAFF:TOT 10+  
 1481 WEST 10TH STREET R&D  
 INDIANAPOLIS IN 46202 PHONE: 332-2525

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

RUSSELL G. MCALLISTER, JR. 'DIRECTOR':  
 VA LEXINGTON VA MEDICAL CENTER STAFF:TOT 10+  
 R&D  
 LEXINGTON KY 40507 PHONE: 355-2635 EXT.517

ROBERT E. BURCH, M.D. 'DIRECTOR':  
 VA NEW ORLEANS VA MEDICAL CENTER STAFF:TOT 10+  
 1601 PERDIDO STREET R&D  
 NEW ORLEANS LA 70146 PHONE: 682-5279

IRA SHERWIN, M.D. 'DIRECTOR':  
 VA BEDFORD VA MEDICAL CENTER STAFF:TOT 10+  
 200 SPRINGS ROAD R&D  
 BEDFORD MA 01730 PHONE: 840-0530

OSCAR C. BING, M.D. 'DIRECTOR':  
 VA BOSTON VA MEDICAL CENTER STAFF:TOT 10+  
 150 SOUTH HUNTINGTON AVE. R&D  
 BOSTON MA 02130 PHONE: 839-0771

AMICO BIGNAMI, M.D. 'DIRECTOR':  
 VA WEST ROXBURY VA MEDICAL CENTER STAFF:TOT 10+  
 1400 VETERANS OF FOREIGN WARS PKWY. R&D  
 WEST ROXBURY MA 02132 PHONE: 837-5430

WILLIAM O. DOBBINS, III, M.D. 'DIRECTOR':  
 VA ANN ARBOR VA MEDICAL CENTER STAFF:TOT 10+  
 2215 FULLER RD. R&D  
 ANN ARBOR MI 48105 PHONE: 374-5333

MICHAEL DAVID LEVITT, M.D. 'DIRECTOR':  
 VA MINNEAPOLIS VA MEDICAL CENTER STAFF:TOT 10+  
 54TH ST. & 48TH AVE., SOUTH R&D  
 MINNEAPOLIS MN 55417 PHONE: 784-6561

TRAVIS SOLOMON, M.D. 'DIRECTOR':  
 VA COLUMBIA VA MEDICAL CENTER STAFF:TOT 10+  
 800 STADIUM ROAD R&D  
 COLUMBIA MO 65201 PHONE: 276-6453

DAVID V. COHN, PH.D. 'DIRECTOR':  
 VA KANSAS CITY VA MEDICAL CENTER STAFF:TOT 10+  
 4801 LINWOOD BOULEVARD R&D  
 KANSAS CITY MO 64128 PHONE: 754-1501

FRANCIS J. CAREY, M.D. 'DIRECTOR':  
 VA ST. LOUIS VA MEDICAL CENTER STAFF:TOT 10+  
 R&D  
 ST. LOUIS MO 63125 PHONE: 276-4356

GERALD LOGUE, M.D. 'DIRECTOR':  
 VA DURHAM VA MEDICAL CENTER STAFF:TOT 10+  
 508 FULTON STREET R&D  
 DURHAM NC 27705 PHONE: 629-6500

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

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M.F. SORELL, M.D. 'DIRECTOR':  
 VA OMAHA VA MEDICAL CENTER STAFF:TOT 10+  
 4101 WOOLWORTH AVENUE R&D  
 OMAHA NE 68105 PHONE: 864-0404

RICHARD PETER WEDEEN, M.D. 'DIRECTOR':  
 VA EAST ORANGE VA MEDICAL CENTER STAFF:TOT 10+  
 EAST ORANGE NJ 07019 PHONE: 342-1269 R&D

CHARLES BRUCE TAYLOR, M.D. 'DIRECTOR':  
 VA ALBANY VA MEDICAL CENTER STAFF:TOT 10+  
 END NY 12208 PHONE: 563-9374 R&D

HERBERT ROSE, M.D. 'DIRECTOR':  
 VA BRONX VA MEDICAL CENTER STAFF:TOT 10+  
 130 WEST KINGSBRIDGE RD. R&D  
 BRONX NY 10468 PHONE: 212-579-1630

ALBERT B. EISENSTEIN, M.D. 'DIRECTOR':  
 VA BROOKLYN VA MEDICAL CENTER STAFF:TOT 10+  
 800POLY PLACE R&D  
 BROOKLYN NY 11209 PHONE: 265-6351

JACK K. GOLDMAN, M.D. 'DIRECTOR':  
 VA BUFFALO VA MEDICAL CENTER STAFF:TOT 10+  
 3495 BAILEY AVENUE R&D  
 BUFFALO NY 14215 PHONE: 432-9502

VINCENT J. FISHER, M.D. 'DIRECTOR':  
 VA NEW YORK VA MEDICAL CENTER STAFF:TOT 10+  
 FIRST AVE. AT EAST 24TH ST. R&D  
 NEW YORK NY 10010 PHONE: 660-9667

STEPHEN A. LANDAW, M.D. 'DIRECTOR':  
 VA SYRACUSE VA MEDICAL CENTER STAFF:TOT 10+  
 IRVING AVENUE AND UNIVERSITY PLACE R&D  
 SYRACUSE NY 13210 PHONE: 953-7401

RONALD E. MYERS, M.D. 'DIRECTOR':  
 VA CINCINNATI VA MEDICAL CENTER STAFF:TOT 10+  
 3200 VINE STREET R&D  
 CINCINNATI OH 45220 PHONE: 773-4318

CHARLES L. HOPPEL, M.D. 'DIRECTOR':  
 VA CLEVELAND VA MEDICAL CENTER STAFF:TOT 10+  
 10701 EAST BOULEVARD R&D  
 CLEVELAND OH 44106 PHONE: 294-7521

MICHAEL F. WILSON, M.D. 'DIRECTOR':  
 VA OKLAHOMA CITY VA MEDICAL CENTER STAFF:TOT 10+  
 921 NORTHEAST 13TH STREET R&D  
 OKLAHOMA CITY OK 73104 PHONE: 743-3582

FEDERAL LABORATORY CONTACTS LISTED BY AGENCY AND STAFF SIZE(CONT)

JOHN W. KENDELL 'DIRECTOR':  
 VA PORTLAND VA MEDICAL CENTER  
 3710 S.W. U.S. VETERANS HOSPITAL RD.  
 PORTLAND OR 97201 PHONE: 424-9221 STAFF:TOT 10+  
 R&D

DAVID M. CAPUZZI, M.D. 'DIRECTOR':  
 VA PHILADELPHIA VA MEDICAL CENTER  
 UNIVERSITY & WOODLAND AVES.  
 PHILADELPHIA PA 19104 PHONE: 488-9549 STAFF:TOT 10+  
 R&D

MARTIN SAX, PH.D. 'DIRECTOR':  
 VA PITTSBURGH VA MEDICAL CENTER  
 (U.D.) UNIVERSITY DR. C  
 PITTSBURGH PA 15240 PHONE: 726-3426 STAFF:TOT 10+  
 R&D

JOHN A. COLWELL, M.D. 'DIRECTOR':  
 VA CHARLESTON VA MEDICAL CENTER  
 109 BEE STREET  
 CHARLESTON NC 92403 PHONE: 677-7346 STAFF:TOT 10+  
 R&D

ANDREW H. KANG, M.D. 'DIRECTOR':  
 VA MEMPHIS VA MEDICAL CENTER  
 1030 JEFFERSON AVENUE  
 MEMPHIS TN 38104 PHONE: 222-7266 STAFF:TOT 10+  
 R&D

CONRAD WAGNER, PH.D. 'DIRECTOR':  
 VA NASHVILLE VA MEDICAL CENTER  
 1310 24TH AVENUE, SOUTH  
 NASHVILLE TN 37203 PHONE: 852-9771 STAFF:TOT 10+  
 R&D

MARK FELDMAN, M.D. 'DIRECTOR':  
 VA DALLAS VA MEDICAL CENTER  
 4500 SOUTH LANCASTER RD.  
 DALLAS TX 75216 PHONE: 749-5382 STAFF:TOT 10+  
 R&D

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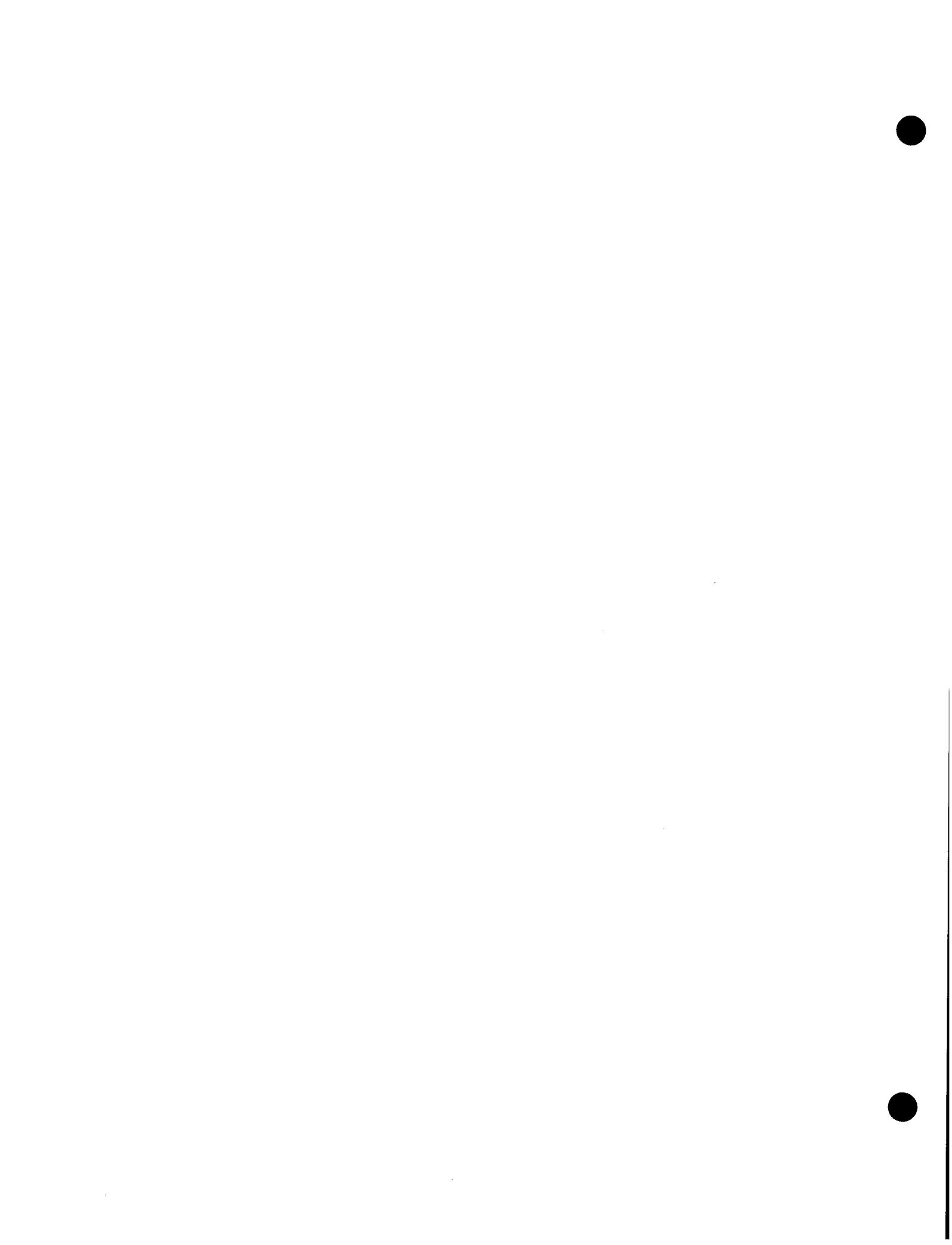
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ALBUQUERQUE NM PHONE: 572-9319

**Federal Laboratory Information DEPARTMENT OF COMMERCE  
Sheets**

*These sheets, as provided by Federal  
agencies, have been arranged by agency,  
by major subelement, and in order of staff  
size as listed in Table 6 and Table 7.*



## Federal Laboratory Information Sheet

Name of Facility National Bureau of Standards  
 Location Gaithersburg, Maryland and Boulder, Colorado  
 Name of Director Dr. Ernest Ambler  
 Name, address and phone number of Research and Technology Applications Contact (301) 921-2226  
Howard E. Sorrows, A402, Adm., National Bureau of Standards, Washington, D.C. 20234  
 Major mission of facility To be the Nation's measurement laboratory in the physical and engineering sciences and to serve government and industry as an independent, authoritative source of technical information and advice.

Personnel\*as of 12/31/80: Professional 1,510 All other 1,562

Percent of effort expended in  
 Research and Development 65; Testing 25; Other 10

## Relationship to other organizations

Parent Agency U.S. Department of Commerce  
 Parent Agency Subelements Office of Productivity, Technology and Innovation  
 Subordinate organizations National Engineering Lab.; National Measurement Lab.; Institute for Computer Sciences and Technology

## Type of Operation

Government owned & operated  Leased & government operated         
 Government owned & contractor operated        Contractor owned & operated         
 Major scientific and/or testing equipment Linear accelerator, nuclear reactor, Co-60 source, numerically controlled machine tools, fire research lab and specialized measurement facilities for: acoustic, electrical, mechanical, high and low pressure, high and low temperature, moisture, surface properties, x-rays, surface and environmental quantities.

Comments       

Date 81-03-09

\*Full-time permanent only

## Federal Laboratory Information Sheet

Name of Facility Institute for Telecommunication Sciences  
 Location Boulder, Colorado  
 Name of Director Dr. William E. Utlaut  
 Name, address and phone number of Research and Technology Applications Contact FTS 320-3589 (303) 497-3589  
Dr. Harvey M. Gates, National Telecommunication and Information Admin, Boulder, CO 80302  
 Major mission of facility Performs telecommunications function in spectrum utilization, information sciences, systems technology, standards, and applied electromagnetic science.

FTP Personnel as of 12/31/80: Professional 71 All other 23

Percent of effort expended in  
 Research and Development 100; Testing       ; Other       

## Relationship to other organizations

Parent Agency U.S. Department of Commerce  
 Parent Agency Subelements National Telecommunication and Information Administration  
 Subordinate organizations       

## Type of Operation

Government owned & operated  Leased & government operated         
 Government owned & contractor operated        Contractor owned & operated         
 Major scientific and/or testing equipment transmitter and antenna systems

Comments       

Date 81-06-02

## Federal Laboratory Information Sheet

Name of Facility Air Resources Laboratory  
 Location Silver Spring, Maryland  
 Name of Director Dr. Lester Machta  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Study the diffusion, transport, dissipation, and chemistry of atmospheric pollutants; develop methods of predicting and controlling atmospheric pollution; monitor the global physical environment to detect climatic change.

Personnel as of 12/31/80: Professional 98 All other 15

Percent of effort expended in

7 Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U. S. Department of Commerce  
 Parent Agency Subelements NOAA - ERL  
 Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
 Major scientific and/or testing equipment 2 ruby lidars, 6 carbon dioxide continuous analyzing systems, 15 Dobson spectrophotometers, 4 four-wavelength nephelometers, 2 gas chromatographs.

Comments \_\_\_\_\_

Date July 23, 1981

## Federal Laboratory Information Sheet

Name of Facility Atlantic Oceanographic and Meteorological Laboratories  
 Location Miami, Florida  
 Name of Director Dr. Hugo Bezdek  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Study the physical, chemical biological, and geological characteristics and processes of the ocean waters, the sea floor, and the atmosphere above the ocean, including tropical meteorology such as hurricanes and tropical weather systems.

Personnel as of 12/31/80: Professional 84 All other 27

Percent of effort expended in

Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U.S. Department of Commerce  
 Parent Agency Subelements NOAA - ERL  
 Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
 Major scientific and/or testing equipment Gas chromatograph/Mass spectrometer, MOCNESS, 2 nutrient autoanalyzers, atomic absorption spectrophotometer, 2 acoustical echosounders, (200 KHz & 20 KHz, respectively), micro-structure CTD (Neil Brown), Rapid Sediment analyzer, 2 piezometer probes, side scan sonar.

Date July 23, 1981

## Federal Laboratory Information Sheet

Name of Facility Geophysical Fluid Dynamics LaboratoryLocation Princeton, New JerseyName of Director Dr. Joseph Smagorinsky

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Studies the dynamics of geophysical fluid systems (the atmosphere, the hydrosphere, and the cryosphere) through theoretical analysis and numerical simulation using powerful, high-speed digital computers.Personnel as of 12/31/80: Professional 57 All other 23

Percent of effort expended in

75 Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U.S. Department of CommerceParent Agency Subelements NOAA - ERL

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment None

Comments \_\_\_\_\_

Date July 23, 1981

## Federal Laboratory Information Sheet

Name of Facility Wave Propagation LaboratoryLocation Boulder, ColoradoName of Director Dr. C. Gordon Little

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Develops, and applies to research and services, new methods for remote sensing of the geophysical environment.Personnel as of 12/31/80: Professional 62 All other 8

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U. S. Department of CommerceParent Agency Subelements NOAA - ERL

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Boulder Atmospheric Observatory (300 meter instrumented tower with surrounding remote sensing instrumentation); L2 instruments; cross-wind instruments; infrared pulsed Doppler TEA lidar; CW Doppler lidar; VHF Doppler radar at Platteville CO; dual channel radiometer; 6-channel microwave radiometer; coastal ocean current and wave height radar (CODAR); 8.6 mm dual-polarized cloud Doppler radar; FM-CW boundary layer radar (Doppler); two 3-cm Doppler radars; acoustic sounders; dual-polarized multi-wavelength backscatter lidars; various solar radiationDate July 23, 1981

## Federal Laboratory Information Sheet

Name of Facility Space Environment Laboratory  
 Location Boulder, Colorado  
 Name of Director Dr. Donald Williams  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Studies solar terrestrial physics (interplanetary, magnetospheric, and ionospheric); develops techniques for forecasting solar disturbances; provides real-time monitoring and forecasting of the space environment.

Personnel as of 12/31/80: Professional 55 All other 13  
 Percent of effort expended in  
 Research and Development 60% ; Testing \_\_\_\_\_; Other 40%

Relationship to other organizations  
 Parent Agency U. S. Department of Commerce  
 Parent Agency Subelements NOAA - ERL  
 Subordinate organizations \_\_\_\_\_

Type of Operation  
 Government owned & operated  Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
 Major scientific and/or testing equipment Digital HF radar (ionosonde)

Comments \_\_\_\_\_  
 Date July 23, 1981

## Federal Laboratory Information Sheet

Name of Facility Office of Weather Research and Modification  
 Location Boulder, Colorado  
 Name of Director Dr. Charles Chappell, Acting Director  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Conducts a program of basic and applied research to advance the understanding and define the structure of mesoscale phenomena, to improve short-range weather predictions and warnings, and to identify and test hypotheses for beneficially modifying weather processes.

Personnel as of 12/31/80: Professional 62 All other 4  
 Percent of effort expended in  
 Research and Development 95 ; Testing 5 ; Other \_\_\_\_\_  
 Relationship to other organizations  
 Parent Agency U. S. Department of Commerce  
 Parent Agency Subelements NOAA - ERL  
 Subordinate organizations \_\_\_\_\_

Type of Operation  
 Government owned & operated  Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
 Major scientific and/or testing equipment Gust probe measurement system, Electronic microscope, X-ray energy spectrometer

Comments \_\_\_\_\_  
 Date July 23, 1981

Federal Laboratory Information Sheet

Name of Facility Pacific Marine Environmental Laboratory  
Location Seattle, Washington

Name of Director Dr. John Ape1

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Monitors and predicts the physical and biochemical effects of natural events and human activities on the deep-ocean and coastal marine environments of the Pacific region.

Personnel as of 12/31/80: Professional 47 All other 6

Percent of effort expended in

Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U. S. Department of Commerce

Parent Agency Subelements NOAA - ERL

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment two gas chromatograph/mass spectrometers, four gas chromatographs with integrators and process controllers, scanning electron microscope, atomic absorption spectrometer, x-ray spectrometer, CTD system.

Comments \_\_\_\_\_

Date July 23, 1981

Federal Laboratory Information Sheet

Name of Facility Research Facilities Center

Location Miami, Florida

Name of Director Dr. C. B. Emmanuel

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Operates instrumented aircraft for environmental research programs; provides scientific measurement tools, logged data, and associated information for meteorological and oceanographic research programs.

Personnel as of 12/31/80: Professional 31 All other 19

Percent of effort expended in

Research and Development 95; Testing 5; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U. S. Department of Commerce

Parent Agency Subelements NOAA - ERL

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Two WP-3D and one WC-130B aircraft with oceanographic and meteorological research instrumentation. One calibration laboratory.

Comments \_\_\_\_\_

Date July 23, 1981

## Federal Laboratory Information Sheet

Name of Facility Great Lakes Environmental Research LaboratoryLocation Ann Arbor, MichiganName of Director Dr. Eugene Aubert

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Studies hydrology, waves, currents, lake levels, biological and chemical processes, and lake-air interaction in the Great Lakes and their watersheds; forecasts lake ice conditions.

Personnel as of 12/31/80: Professional 40 All other 7

Percent of effort expended in

78 Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U. S. Department of CommerceParent Agency Subelements NOAA - ERL

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Carbon ampule analyzer, auto-analyzer, gas chromatograph, two liquid chromatograph systems, liquid scintillation system; colorimeter, Coulter counter, colorimeter, walk-in ice laboratory.

Comments \_\_\_\_\_

Date July 23, 1981

## Federal Laboratory Information Sheet

Name of Facility Aeronomy LaboratoryLocation Boulder, ColoradoName of Director Dr. Eldon Ferguson

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Studies the physics, dynamics, and chemistry of the stratosphere and the surrounding upper and lower atmosphere.

Personnel as of 12/31/80: Professional 32 All other 12

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U. S. Department of CommerceParent Agency Subelements NOAA - ERL

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment VHF Doppler Meteorological radar, Sunset CO, Instrument for measuring water vapor; chemiluminescent instrument for measuring nitrogen oxides; Niwot Ridge, CO atmospheric chemistry research site facilities; miniature gas chromatograph; tunable diode laser; laser magnetic resonance spectrometer; temperature variable flowing afterglow and flow drift tube with mass selected ion source.

Comments \_\_\_\_\_

Date July 23, 1981

## Federal Laboratory Information Sheet

Name of Facility National Severe Storms LaboratoryLocation Norman, OklahomaName of Director Dr. Edwin Kessler

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Studies severe-storm circulation and dynamics, and develops techniques to detect and predict tornadoes, thunderstorms, and squall lines.Personnel as of 12/31/80: Professional 26 All other 15

Percent of effort expended in

Research and Development 100; Testing 0; Other 0

Relationship to other organizations

Parent Agency U. S. Department of CommerceParent Agency Subelements NOAA - ERL

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Doppler radars, FPS-8 radar, WSR-57 radar,Beacon radar for aircraft, SEL computer, LSI-II computer, Ling computer, KTVY tower,Satellite receiver, ground-to-aircraft communication equipment, FM communication equipment,video recorders, surface automated network equipment, electric fieldchange sensors and other miscellaneous equipment appropriate to R&D research.Date July 23, 1981

## Federal Laboratory Information Sheet

Name of Facility Satellite Experiment LaboratoryLocation Federal Building 4, Suitland, MarylandName of Director Dr. Warren A. Hovis

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Mr. Harvey Klassen, FB4, Rm. 0215, Suitland, Md. 20233, 301/763-7421

Major mission of facility Devise theoretical and experimental techniques for meteorological satellite measurementsPersonnel as of 12/31/80: Professional 19 All other 18

Percent of effort expended in

Research and Development 60; Testing 0; Other 40

Relationship to other organizations

Parent Agency Department of Commerce National Oceanic and Atmospheric AdministrationParent Agency Subelements National Earth Satellite ServiceSubordinate organizations N/A

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment 3.5 meter focal length, high resolution,Czerny-Turner vacuum-grating spectrometer.

Comments \_\_\_\_\_

\_\_\_\_\_

Date April 30, 1981

## Federal Laboratory Information Sheet

Name of Facility Northwest & Alaska Fisheries Center, Seattle  
 Location 2725 Montlake Blvd., East Seattle, WA 98112  
 Name of Director Dr. William Aron  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 (Same as above) (206) 442-4760 FTS 399-4760

Major mission of facility Conducts multidisciplinary research to provide fisheries management information to support National and Regional programs of NMFS, and to respond to the needs of Regional fisheries management councils and other constituencies.

Personnel as of 12/31/80: Professional 130 All other 62

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U. S. DEPARTMENT OF COMMERCE

Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE

Subordinate organizations NORTHWEST & ALASKA FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Atomic absorption spectrophotometer gas and liquid chromatographs, infrared spectrophotometers, laser densitometer, gamma counter, research vessels.

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Southeast Fisheries Center  
 Location 75 Virginia Beach Drive, Miami, FL 33149  
 Name of Director Dr. William W. Fox, Jr.  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 (Same as above) FTS 350-1284 (305) 361-4284

Major mission of facility Conducts research in the area of fishery analysis, recreational fisheries, economics and environmental impact.

Personnel as of 12/31/80: Professional 49 All other 60

Percent of effort expended in

Research and Development 100%; Testing 0; Other 0

Relationship to other organizations

Parent Agency U. S. DEPARTMENT OF COMMERCE

Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE

Subordinate organizations SOUTHEAST FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Northeast Fisheries Center  
 Location Woods Hole, MA 02543  
 Name of Director Richard E. Hennemuth  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 (Same as above) FTS 840-1233 (617) 548-5123  
 Major mission of facility Conducts and coordinates resource assessment and marine ecosystems and environmental research programs.

Personnel as of 12/31/80: Professional 61 All other 45

Percent of effort expended in  
 Research and Development 85; Testing 5; Other 10

## Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCE  
 Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE  
 Subordinate organizations NORTHEAST FISHERIES CENTER

## Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
 Major scientific and/or testing equipment Underwater television, spectrophotometer, salinometer, image analyzer, radiometer/photometer, research vessel.

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Sandy Hook Laboratory  
 Location Highlands, N.J. 07732  
 Name of Director Carl J. Sinderman  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 (same as above) FTS 392-8200 (301) 872-0200  
 Major mission of facility Conducts and coordinates resource and environmental assessment and marine ecosystem research programs.

Personnel as of 12/31/80: Professional 38 All other 37

Percent of effort expended in  
 Research and Development 95; Testing \_\_\_\_\_; Other 5

## Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCE  
 Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE  
 Subordinate organizations NORTHEAST FISHERIES CENTER

## Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
 Major scientific and/or testing equipment Contaminant/free analytical chemical facility, crustacean larval rearing facilities behavior experimental tanks constant environment aquaria facilities research vessels.

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Southwest Fisheries Center  
 Location 8604 La Jolla Shores Drive P.O. Box 271 La Jolla, CA 92038  
 Name of Director Izadore Barrett  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 (Same as above) FTS 893-6820 (714) 453-3149  
 Major mission of facility Research & Management Studies for commercial and sport fisheries.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Personnel as of 12/31/80: Professional 52 All other 21

Percent of effort expended in  
 Research and Development 100%; Testing 0; Other 0

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCE

Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE

Subordinate organizations SOUTHWEST FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Research Vessel

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Beaufort Laboratory  
 Location P.O. Box 570 Beaufort, NC 28516  
 Name of Director Dr. Theodore Rice  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 (Same as above) FTS 670-2451 (919) 728-4595  
 Major mission of facility Obtain and analyze biological, economic, and statistical information on commercial and recreational fisheries. Determine the structure and functions of estuarine and the nearshore ecosystems to evaluate their resources productivity and the effects of man's activities on these resources.  
 \_\_\_\_\_

Personnel as of 12/31/80: Professional 32 All other 24

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCE

Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE

Subordinate organizations SOUTHEAST FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Carbon microanalyzer spectrophotometers, differential respirometer research vessel.

Comments \_\_\_\_\_

Date 7/27/81

Federal Laboratory Information Sheet

Name of Facility Auke Bay Laboratory

Location P.O. Box 155 Auke Bay, AK 99821

Name of Director Dr. William A. Smoker

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Conducts research on the biology, ecology and population dynamics of fish and shellfish in southeast and Central Alaska marine waters and undertake studies to determine the effects on marine resources of environmental alterations resulting from specific industrial developments throughout Alaska coastal areas.

Personnel as of 12/31/80: Professional 35 All other 12

Percent of effort expended in

    Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

    Parent Agency U.S. DEPARTMENT OF COMMERCE

    Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE

    Subordinate organizations NORTHWEST & ALASKA FISHERIES CENTER

Type of Operation

    Government owned & operated X Leased & government operated \_\_\_\_\_

    Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Research Vessel

Comments \_\_\_\_\_

Date 7/27/81

Federal Laboratory Information Sheet

Name of Facility Honolulu Laboratory

Location 2570 Dole Street P.O. Box 3830 Honolulu, HI 96812

Name of Director Richard S. Shomura

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
(Same as above) FTS 556-0220 Ask for 808-946-2181

Major mission of facility Study of high-seas tropical pelagic fishery resources.

Personnel as of 12/31/80: Professional 23 All other 18

Percent of effort expended in

    Research and Development 100%; Testing 0; Other 0

Relationship to other organizations

    Parent Agency U.S. DEPARTMENT OF COMMERCE

    Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE

    Subordinate organizations SOUTHWEST FISHERIES CENTER

Type of Operation

    Government owned & operated X Leased & government operated \_\_\_\_\_

    Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Research Vessel

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Mississippi Laboratories  
 Location 3209 Frederick St., P.O. Drawer 1207 Pascagoula, MS 39567

Name of Director Dr. Andrew J. Kemmerer

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 (Same as above) FTS 499-3650 (601) 688-4850

Major mission of facility Survey design and data collection, translation analysis and interpretation.

Personnel as of 12/31/80: Professional 29 All other 7

Percent of effort expended in

Research and Development 100%; Testing 0; Other 0

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCE

Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE

Subordinate organizations SOUTHEAST FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date 7/27/81

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## Federal Laboratory Information Sheet

Name of Facility Charleston Laboratory

Location P.O. Box 1206 Charleston, SC 29412

Name of Director Dr. Harry L. Seagran

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 (Same as above) FTS 677-4770 (803) 724-4770

Major mission of facility Developing and providing technological information and related services to aid in the economic and safe utilization of fishery resources of the Southeast U.S.

Personnel as of 12/31/80: Professional 24 All other 10

Percent of effort expended in

Research and Development 100%; Testing 0; other 0

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCE

Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE

Subordinate organizations SOUTHEAST FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Gas and liquid chromatographs spectrophotometer, sterilizer, sublimator, research vessel.

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Galveston Laboratory  
 Location 4700 Avenue U Galveston, TX 77550  
 Name of Director Dr. Edward J. Klima  
 Name, address and phone number of Research and Technology Applications Contact (Same as above) FTS 527-6501 (713) 763-1211  
 Major mission of facility Developing an assessment data base on shrimp and fish biology, culture and related economics.

Personnel as of 12/31/80: Professional 20 All other 10

Percent of effort expended in  
 Research and Development 100%; Testing 0; Other 0

Relationship to other organizations  
 Parent Agency U.S. DEPARTMENT OF COMMERCE  
 Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE  
 Subordinate organizations SOUTHEAST FISHERIES CENTER

Type of Operation  
 Government owned & operated  Leased & government operated         
 Government owned & contractor operated        Contractor owned & operated         
 Major scientific and/or testing equipment Electron microscope, spectrophotometer, seawater system, estuarine lab, research vessel.

Comments         
 Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Gloucester Laboratory  
 Location Emerson Avenue Gloucester, MA 01930  
 Name of Director Louis J. Ronsivalli  
 Name, address and phone number of Research and Technology Applications Contact (Same as above) (617) 281-3600 FTS 837-9276  
 Major mission of facility To obtain the maximum benefit from seafood by increasing the available quantity and quality of fish and shellfish.

Personnel as of 12/31/80: Professional 19 All other 9

Percent of effort expended in  
 Research and Development 75; Testing 15; Other 10

Relationship to other organizations  
 Parent Agency U.S. DEPARTMENT OF COMMERCE  
 Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE  
 Subordinate organizations NORTHEAST FISHERIES CENTER

Type of Operation  
 Government owned & operated  Leased & government operated         
 Government owned & contractor operated        Contractor owned & operated         
 Major scientific and/or testing equipment Instron, HP Liquid chromatograph plate freezer, Urshell slicer, canning retort, combination gas chromatograph and mass spectrometer, gas chromatograph smoke house, research vessel.

Comments         
 Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility National Marine Mammal Laboratory  
 Location 7600 Sand Point Way, N.E. Seattle, WA 98115

Name of Director Dr. Michael Tillman

Name, address and phone number of Research and Technology Applications Contact  
 Dr. William Aron - 2725 Montlake Blvd., East - Seattle, WA 98112 206 442-4760  
 FTS 399-4760

Major mission of facility Carries out research on the principal species of marine mammals of U.S. concern to ensure maintenance of the various populations at satisfactory levels.

Personnel as of 12/31/80: Professional 23 All other 4

Percent of effort expended in

Research and Development 100%; Testing       ; Other       

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCE  
 Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE  
 Subordinate organizations NORTHWEST & ALASKA FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated         
 Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment       

Comments       

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Milford Laboratory  
 Location Milford, CT 06460

Name of Director Dr. James Hankf

Name, address and phone number of Research and Technology Applications Contact  
 (Same as above) FTS 642-5240 (203) 878-2459

Major mission of facility Conducts aquaculture research and experimental biological research on the physiological and genetic effects upon growth and survival of selected species.

Personnel as of 12/31/80: Professional 19 All other 7

Percent of effort expended in

Research and Development 90; Testing 5; Other 5

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCE  
 Parent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICE  
 Subordinate organizations NORTHEAST FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated         
 Government owned & contractor operated        Contractor owned & operated         
 Major scientific and/or testing equipment Seawater system; scanning electron microscope; zeiss camera/microscope ultraphot, atomic absorption spectro photometer, gas chromatograph, research vessel.

Comments       

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Narragansett LaboratoryLocation Route 7A, P.O. Box 522A Narragansett, RI 02882Name of Director Dr. Kenneth ShermanName, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
(Same as above) FTS 838-7174 (401) 789-9326Major mission of facility Conducts research on the inter and intra specific associations affecting actual and potential production of the fish biomass of the Northwest Atlantic.Personnel as of 12/31/80: Professional 16 All other 7

Percent of effort expended in

Research and Development 95; Testing 5; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCEParent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICESubordinate organizations NORTHEAST FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Fish spawning and rearing tanks, constant temperature room

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Panama City LaboratoryLocation 3500 Delwood Beach Road Panama City, FL 32407Name of Director Eugene L. NakamuraName, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
(Same as above) FTS 946-4232 (904) 234-6541Major mission of facility Recreational fisheries and environmental analysis.Personnel as of 12/31/80: Professional 14 All other 4

Percent of effort expended in

Research and Development 100%; Testing 0; Other 0

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCEParent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICESubordinate organizations SOUTHEAST FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Tiburon LaboratoryLocation 3150 Paradise Drive Tiburon, CA 94920Name of Director Norman Abramson

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

(Same as above) FTS 556-0565 (415) 435-3149Major mission of facility Conducts research related to coastal California fishes, their ecological and environmental interactions and their associated recreational and commercial fisheriesPersonnel as of 12/31/80: Professional 13 All other 5

Percent of effort expended in

88

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCEParent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICESubordinate organizations SOUTHWEST FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Gas chromatograph

Comments \_\_\_\_\_

Date 7/27/81

## Federal Laboratory Information Sheet

Name of Facility Kodiak LaboratoryLocation P.O. Box 1638 Kodiak, AK 99615Name of Director Robert Wolotira

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

(Same as above) 907-487-4961Major mission of facility Resource assessment of marine shellfish in the offshore waters of Alaska.Personnel as of 12/31/80: Professional 13 All other 2

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U.S. DEPARTMENT OF COMMERCEParent Agency Subelements NOAA/NATIONAL MARINE FISHERIES SERVICESubordinate organizations NORTHWEST & ALASKA FISHERIES CENTER

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date 7/27/81

Federal Laboratory Information Sheet

Name of Facility Systems Development Office

Location Silver Spring, Maryland

Name of Director Dr. Douglas H. Sargeant

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Design and develop new equipment for the National Weather Service.

Personnel as of 12/31/80: Professional 62 All other 53 Total 115

Percent of effort expended in  
Research and Development 75; Testing \_\_\_\_\_; Other 25

Relationship to other organizations

Parent Agency U.S. Department of Commerce

Parent Agency Subelements NOAA-OAS National Weather Service

Subordinate organizations Techniques Development Laboratory, Integrated Systems Laboratory, and Advanced Systems Laboratory

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date July 23, 1981

Federal Laboratory Information Sheet

Name of Facility Engineering Development Office

Location Riverdale, Maryland

Name of Director M.E. Ringenbach

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Provides for the development of marine data acquisition and processing systems for use in the ocean environment.

Personnel as of 12/31/80: Professional 19 All other 8 Total 27

Percent of effort expended in  
Research and Development 80; Testing 10; Other 10

Relationship to other organizations

Parent Agency U.S. Department of Commerce

Parent Agency Subelements NOAA/OAS/Office of Ocean Technology & Engineering Services

Subordinate organizations None

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated X

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Launches, Electronic Lab, machine shop, fabrication shop

Comments \_\_\_\_\_

Date July 23, 1981

Federal Laboratory Information Sheet

Name of Facility Hydrological Research Laboratory

Location Silver Spring, Maryland

Name of Director Dr. Michael D. Hudlow

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Water resources and Hydrometeorological research programs.

Personnel as of 12/31/80: Professional 14 All other 6 Total 20

Percent of effort expended in

Research and Development 94; Testing \_\_\_\_\_; Other 6

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Relationship to other organizations

Parent Agency U.S. Department of Commerce

Parent Agency Subelements NOAA-OAS-National Weather Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Snow Watershed Research Network

Comments \_\_\_\_\_

Date July 23, 1981

Federal Laboratory Information Sheet

Name of Facility Geodetic Research and Development Laboratory

Location Rockville, Maryland

Name of Director Bernard H. Chovitz

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Major mission of facility Carries out research and development in geodesy in support of operations directed toward improving the accurate determination of the earth's configuration and distribution of mass.

Personnel as of 12/31/80: Professional 13 All other 2 Total 15

Percent of effort expended in

Research and Development 90; Testing 10; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U.S. Department of Commerce

Parent Agency Subelements NOAA/OAS/National Ocean Survey

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment None

Comments \_\_\_\_\_

Date July 23, 1981

**DEPARTMENT OF DEFENSE**

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Federal Laboratory Information Sheet

Name of Facility Armed Forces Radiobiology Research Institute  
Location Bethesda, MD  
Name of Director Capt. Paul E. Tyler

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None

Major Mission of Facility Conduct scientific research in the field of radiobiology and in the related matters that are essential to the medical support of the DOD.

Personnel as of 10/30/79: Professional 100 All Other 116

Percent of Effort Expended in  
Research, Development, and Testing 78% Other 22%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements \_\_\_\_\_  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Pulse and steady state nuclear reactor, 2000,000-curie cobalt- 60 irradiator, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Armament Division  
Location Eglin AFB, FL  
Name of Director Maj. Robert M. Bond

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Ms. Sandra M. Lefstrand, AFATL/DLOD, Eglin AFB, Florida 32542  
904-822-5344/4740

Major Mission of Facility Responsible for air-launch tactical and air defense missiles, guided weapons, elec-optical weapon development system, aircraft gun, ammo and related equipment. Responsible for basic technology, development, test intitial acquisition and deployment.

Personnel as of 10/30/79: Professional 1652 All Other 4737

Percent of Effort Expended in  
Research, Development, and Testing 40% Other 60%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Air Force  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Computer science lab, physical science lab, photo lab, instrumentation/design/fabrication facility, aeroballistic research facility, etc.

Comments FY 81 \$61.2M

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility Flight Test Center  
 Location Edwards AFB, CA  
 Name of Director CDR BG. P. J. Conley Jr.

Name, Address, and Telephone Number of Research and Technology Applications Contact:

None

Major Mission of Facility Tests manned/unmanned aerospace vehicle, including all weather. Flight evaluation aerospace research vehicle and develop test aerodynamic decelerators, USAF test pilot school. Support USAF, DOD, government, foreign and contractor test/evaluation.

Personnel as of 10/30/79: Professional 330 All Other 4806

Percent of Effort Expended in

Research, Development, and Testing 62% Other 38%

Relationship to Other Organizations

Parent Agency DoD  
 Parent Agency SubElements Air Force  
 Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated        Leased & Government Operated         
 Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment Hangars, shops, office space, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility Rome Air Development Center  
 Location Griffiss AFB, NY  
 Name of Director Col. P.O. Bouchard

Name, address and phone number of Research and Technology Applications Contact David C. Pierce, RADC/DOT, Griffiss AFB, NY 13441 315-330-3047 A/V 587-3047

Major mission of facility Conduct research, exploratory and advanced development, test and selected acquisition programs in support of command control intelligence-C-cubed-I- activities.

Personnel as of 10/30/79: Professional 701 All other 622 Total 1323

Percent of effort expended in

Research and Development, and Testing 85% Other 15%

Relationship to other organizations

Parent Agency DoD  
 Parent Agency Subelements Air Force  
 Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated        Leased & government operated       

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment Reconnaissance exploitation facility, R&D computer facility (two Honeywell 6180's) cartographic test facility, etc.

Comments FY 81 \$281.5M

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility AF Weapons Lab

Location Kirtland AFB, NM

Name of Director Dr. W. L. Lehmann

Name, address and phone number of Research and Technology Applications Contact

Ms. M. Putnam, AFWL/SUR, Kirtland AFB, NM 87117 (505) 844-4293 AV: 244-4293

Major mission of facility Exploratory, advanced and engineering development in nuclear weapons effects, components, radiation hazards, nuclear survivability/vulnerability, high energy laser systems, advanced weapons technology and laser weapon technology.

Personnel as of 10/30/79: Professional 628 All other 483 Total 1111

Percent of effort expended in

Research and Development 93 ; Testing ; Other 7

Relationship to other organizations

Parent Agency DoD

Parent Agency SubElements Air Force

Subordinate organizations

Type of Operation

Government owned & operated Leased & government operated

Government owned & contractor operated Contractor owned & operated

Major scientific and/or testing equipment Technical library, metallurgy and metrology lab, two cyber 176's and one CDC-6600 computer with remote access terminals and multi-channel sensing

Comments FY 81 \$152.3M

Date

Federal Laboratory Information Sheet

Name of Facility Avionics Laboratory

Location Wright Patterson AFB, OH

Name of Director Col. R. F. Lopina

Name, Address, and Telephone Number of Research and Technology Applications Contact:

Mr. James Johnson, AFWAL/TST, Wright Patterson AFB, Ohio 45433 (513) 255-5804

Major Mission of Facility Maintain an avionics technology base through research and exploratory and advanced development. Develops and demonstrates cost-effective avionics concepts to reduce acquisition and operating cost and improve operational capabilities. Supports operations CMDS and product division.

Personnel as of 10/30/79: Professional 535 All Other 409

Percent of Effort Expended in

Research, Development, and Testing 97% Other 3%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Air Force

Subordinate Organizations

Type of Operation

Government Owned & Operated Leased & Government Operated

Government Owned & Contractor Operated Contractor Owned & Operated

Major Scientific and/or Testing Equipment None listed

Comments FY 81 \$175.8M

Date

## Federal Laboratory Information Sheet

Name of Facility Flight Dynamics Laboratory  
 Location Wright Patterson AFB, OH  
 Name of Director Col. R. C. Barlow  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
Mr. James Johnson, AFWAL/TST, Wright Patterson AFB, OH 45433 (513) 255-5804  
 Major mission of facility Plan and execute USAF research exploratory and advanced development programs for aerospace flight vehicle structures aerodynamics flight control vehicle dynamics and vehicle equipment.

Personnel as of 10/30/79: Professional 558 All other 362 Total 920

Percent of effort expended in  
 Research and Development, and Testing 88% Other 12%

## Relationship to other organizations

Parent Agency DoD  
 Parent Agency Subelements Air Force  
 Subordinate organizations \_\_\_\_\_

## Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment None listed

Comments FY 81 \$102.8M

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility Western Space and Missile Center  
 Location Vandenberg AFB, CA  
 Name of Director Col. W. M. Burkett  
 Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None  
 Major Mission of Facility Manage field test and launch operations for space division and others.

Personnel as of 10/30/79: Professional 383 All Other 341

Percent of Effort Expended in  
 Research, Development, and Testing 9% Other 91%

## Relationship to Other Organizations

Parent Agency DoD  
 Parent Agency SubElements Air Force  
 Subordinate Organizations \_\_\_\_\_

## Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
 Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment \_\_\_\_\_  
None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility School of Aerospace Medicine  
 Location Brooks AFB, TX  
 Name of Director Dr. Billy E. Welch  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 (512) 536-3406  
 Major Michael J. MacDonald, Technical Plans and Analysis Division, Brooks AFB, TX.  
 Major mission of facility Conduct exploratory research and development programs in aerospace biotechnology, includes life support, aero medicine, biomedical programs and radiobiology, provide medical evaluation and consultation for aircrews to assure retention of flying status.

Personnel as of 10/30/79: Professional 208 All other 458 Total 666  
 Percent of effort expended in  
 Research and Development, and Testing 73 Other 27

Relationship to other organizations  
 Parent Agency DoD  
 Parent Agency Subelements Air Force  
 Subordinate organizations \_\_\_\_\_

Type of Operation  
 Government owned & operated X Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
 Major scientific and/or testing equipment Research in aerospace medical problems, life support, environmental stress, radiobiology, laser, biometrics, biomedical engineering, RDT&E on medical equipment and systems  
 Comments FY 81 \$26.2 M  
 Date \_\_\_\_\_

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## Federal Laboratory Information Sheet

Name of Facility Geophysics Laboratory  
 Location Hanscom AFB, MA  
 Name of Director Col James E. Baker  
 Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. J. W. Howard, AFGL/XOP, Hanscom AFB, MA 01730 (617) 861-3606  
 Major Mission of Facility Conduct and support AF relevant research and exploratory development in environmental and physical sciences with major emphasis on geo-physics.

Personnel as of 10/30/79: Professional 312 All Other 306

Percent of Effort Expended in  
 Research, Development, and Testing 84% Other 16%

Relationship to Other Organizations  
 Parent Agency DoD  
 Parent Agency SubElements Air Force  
 Subordinate Organizations \_\_\_\_\_

Type of Operation  
 Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
 Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
 Major Scientific and/or Testing Equipment One C-130 aircraft, rocket and balloon launch facility, two KC-135 aircraft, two CDC 6600 computer systems.

Comments FY 81 \$63.0 M  
 Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Rocket Propulsion Lab  
Location Edwards AFB, CA  
Name of Director Col. William F. Morris  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. Gerald Sayles, AFRPL/SR, MS 24, (805) 277-5342, A/V:350-5342.  
Major Mission of Facility Provide rocket propulsion and technological support to DOD and non-DOD agencies.

Personnel as of 10/30/79: Professional 154 All Other 277

Percent of Effort Expended in  
Research, Development, and Testing 94% Other 6%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Air Force  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment \_\_\_\_\_  
None listed

Comments FY 81 \$43.6M Added contact: Ms. Chris Rosemarie Degnan, Edwards AFB, CA 93523 (805) 277-5677

Date \_\_\_\_\_

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Federal Laboratory Information Sheet

Name of Facility Materials Laboratory  
Location Wright Patterson AFB, OH  
Name of Director Vacant  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. James Johnson, AFWAL/TST, Wright Patterson AFB, OH 45433 (513) 255-5804  
Major Mission of Facility Plan/execute exploratory and advanced development and assigned basic research and programs for materials.

Personnel as of 10/30/79: Professional 286 All Other 127

Percent of Effort Expended in  
Research, Development, and Testing 50% Other 50%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Air Force  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment \_\_\_\_\_  
None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility Human Resources LabLocation Brooks AFB, TXName of Director Col. Ronald W. Terry

Name, Address, and Telephone Number of Research and Technology Applications Contact:

Col. William C. DeBoe, (512) 536-3426, A/V: 240-3426Major Mission of Facility Planning and executing exploratory and advanced development programs for selection, motivation, training, retention, education, utilization and career development of AF military personnel.Personnel as of 10/30/79: Professional 228 All Other 137

Percent of Effort Expended in

Research, Development, and Testing 83% Other 17%

## Relationship to Other Organizations

Parent Agency DoDParent Agency SubElements Air ForceSubordinate Organizations 

## Type of Operation

Government Owned & Operated  Leased & Government Operated Government Owned & Contractor Operated  Contractor Owned & Operated Major Scientific and/or Testing Equipment Technical library, personnel testing rooms, computer; UNIVAC 1108 with two CPUS, 16 tape drives, 16 disc drives, 21 uniscope interactive terminals, etc.Comments FY 81 \$26.0M Added Contact: Mrs. Nancy Perrigo, AFGL/TSZ, Brooks AFB, TX 78235 (512) 536-3878Date 

## Federal Laboratory Information Sheet

Name of Facility AF Aerospace Medical Research LaboratoryLocation Wright Patterson AFB, OHName of Director Col. Roy H. DeHart

Name, Address, and Telephone Number of Research and Technology Applications Contact:

Mr. W. R. Blados, HDQS. AFSC, Andrews AFB, Washington, D.C. 20334 (301) 981-4493AV: 858-4493Major Mission of Facility Accomplish behavioral and biomedical research and development to define human tolerance and degradation of human performance under the condition of environmental stress associated with aerospace operations and provide support to system development in the above areas.Personnel as of 10/30/79: Professional 150 All Other 139

Percent of Effort Expended in

Research, Development, and Testing 100% Other ---

## Relationship to Other Organizations

Parent Agency DoDParent Agency SubElements Air ForceSubordinate Organizations 

## Type of Operation

Government Owned & Operated  Leased & Government Operated Government Owned & Contractor Operated  Contractor Owned & Operated Major Scientific and/or Testing Equipment Human deceleration system, dynamic environment simulator, Thomas domes, eight altitude exposure chambers, anechoic and reverberation chambers, etc.Comments Date

Federal Laboratory Information Sheet

Name of Facility Arnold Engineering Development Center  
Location Tullahoma, TN  
Name of Director CDR Co. Michael H. Alexander  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None  
Major Mission of Facility Support the timely acquisition of superior aerospace systems by conducting research and development tests in ground environment test facility which simulates the actual conditions that the hardware will experience in performing its mission.

Personnel as of 10/30/79: Professional 91 All Other 132

Percent of Effort Expended in  
Research, Development, and Testing 93% Other 7%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Air Force  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
Major Scientific and/or Testing Equipment Wind tunnels, turbine engine test cells, rocket test cells, space simulation chamber, hyperballistic ranges, etc.  
(Approximately 40 test units in all).

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Engineering and Services Center/R&D  
Location Tyndall, AFB  
Name of Director Col. Joseph S. Pizzuto  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Capt. Norman Fleming, HQ AFESC/RDX, Tyndall AFB, FL 32401 (904) 283-6493  
Major Mission of Facility Air Force lead agency for RDT&E in areas of civil engineering and environmental quality. Focal point for facilities energy is RDT&E.

Personnel as of 10/30/79: Professional 56 All Other 48

Percent of Effort Expended in  
Research, Development, and Testing 82% Other 18%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Air Force  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
Major Scientific and/or Testing Equipment None listed

Comments FY 81 13.3M

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Frank J. Seibler Research Laboratory  
Location USAF Academy, CO  
Name of Director Lt Col W. D. Sioro  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Maj. T. Dale Baxter, FJSRL/XO, USAF Academy, CO 80840 (303) 472-3120  
Major Mission of Facility Conduct research in aerospace mechanics, applied mathematics and chemistry.

Personnel as of 10/30/79: Professional 27 All Other 6

Percent of Effort Expended in  
Research, Development, and Testing 50% Other 50%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Air Force  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
Major Scientific and/or Testing Equipment Minicomputer and software, subsonic and trisonic wind tunnels, holographic and other optical flow visualization instrumentation.

Comments \$0.9M FY 81  
Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility White Sands Missile Range  
Location White Sands, NM  
Name of Director D. Ball  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None  
Major Mission of Facility Operate a national missile range for support of all approved missile and related test programs.

Personnel as of 10/30/79: Professional 1426 All Other 2246

Percent of Effort Expended in  
Research, Development, and Testing 64% Other 36%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Army  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_  
Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Large Caliber Weapons System Lab

Location Dover, NJ

Name of Director Col. D. P. Whalen

Name, Address, and Telephone Number of Research and Technology Applications Contact:

Dr. William Fisco, LCWSL-DRDAR-LCE-C, Dover, NJ 07801 201-328-2561 A/V: 880-2561

Major Mission of Facility Develop and research weapons systems-guns/ammunition-40 MM for tanks, artillery, mortar, etc.

Personnel as of 10/30/79: Professional 1111 All Other 680

Percent of Effort Expended in

Research, Development, and Testing 83% Other 17%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility ENGINEER WATERWAYS EXPERIMENT STATION

Location VICKSBURG, MS

Name of Director MR. F. R. BROWN

Name, Address, and Telephone Number of Research and Technology Applications Contact:

Zip 39180  
MR. AL SHERLOCK, WESTV, P. O. BOX 631 VICKSBURG MS (601) 636-3111 X2533

Major Mission of Facility MIL AND CIV FUNDED RESEARCH, DEV & INCES IN HYD, ECOLOGY PERM & EXPEDIENT PAVEMENTS, SOIL, CONCRETE, EXPLO WPN EFF, EXPLO EXCAVATION, VEH MOBILITY & ENVIRONMENTAL ASPECTS OF MIL OPERATIONS. OPERATE TECH LIBRARY & GOVERNMENT CEMENY & PUZZOLAN TEST PROGRAM.

Personnel as of 10/30/79: Professional 510 All Other 889

Percent of Effort Expended in

Research, Development, and Testing 36% Other \_\_\_\_\_

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated xx Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment CAPABLE OF PERFORMING GENERAL INVESTIGATION IN FIELD OF HYD, SOIL MECH, CONCRETE, MOBILITY OF MIL VEH, EXPLO EFF, ECOLOGY AND EXPLOSIVE EXCAVATION ADN DEV OF STRUC & PAVEMENTS DESGN CRIT.

Comments \_\_\_\_\_

Date 8/11/81

Federal Laboratory Information Sheet

Name of Facility Mobility Equipment R&D Command

Location Fort Belvoir, VA

Name of Director Col. Albert F. Dorrise

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. Karl H. Steinbach, Attn: DRDME-ZK, (703) 664-4970/3330, A/V: 354-4970/3330.

Major Mission of Facility Army with superior combat and deterrent capability.

Personnel as of 10/30/79: Professional 395 All Other 867

Percent of Effort Expended in

Research, Development, and Testing 32% Other 68%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated  Leased & Government Operated

Government Owned & Contractor Operated  Contractor Owned & Operated

Major Scientific and/or Testing Equipment Propulsion simulator, mob stress analyzer,  
vehicle test track, shock and vibration dynamic simulator....

Comments

Date

Federal Laboratory Information Sheet

Name of Facility Natick R&D Laboratories

Location Natick, MA

Name of Director Col. R.J. Cuthbertson

Name, address and phone number of Research and Technology Applications Contact  
Dr. R. Decareau, Food Sciences Lab, Natick, MA 01760 617-633-5172 A/V: 256-5172

Major mission of facility Conduct scientific R&D to sustain and protect military  
personnel under all conditions.

Personnel as of 10/30/79: Professional 474 All other 713 Total 1187

Percent of effort expended in

Research and Development, and Testing 65% Other 35%

Relationship to other organizations

Parent Agency DoD

Parent Agency Subelements Army

Subordinate organizations

Type of Operation

Government owned & operated  Leased & government operated

Government owned & contractor operated  Contractor owned & operated

Major scientific and/or testing equipment High resolution mass spectrometer,  
climatic chambers, UNIVAC 1106 with disk PAC 58 tape drives and input/output.

Comments

Date

Federal Laboratory Information Sheet

Name of Facility Harry Diamond Laboratories

Location Washington, D. C.

Name of Director Col. Clifton R. Goodwin

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
2800 Powder Mill Road, Adelphi, MD 20783  
Mr. Clifford E. Lanham, Code DELHD-TT, (202) 394-2296, A/V: 290-2296

Major Mission of Facility Electronic fuzes, nuclear weapons effects, technology  
special radar technology and systems, electronics technology, components, circuits,  
and materials, fluidic components and systems, electro-optical devices.

Personnel as of 10/30/79: Professional 458 All Other 696

Percent of Effort Expended in  
Research, Development, and Testing 54% Other 46%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Gamma Ray simulator (Aurora),  
high intensity flash xray, cobalt, GO, electromagnetic pulse simulators.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Missile Research & Development Command

Location Redstone Arsenal, AL

Name of Director CDR Louis Rachmeler

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. Vic Ruwe, DRSMI-RST, Redstone Arsenal, AL 35898 205-876-8650 A/V: 746-8650

Major Mission of Facility Manage and conduct research, advanced development for  
assigned materials.

Personnel as of 10/30/79: Professional 619 All Other 382

Percent of Effort Expended in  
Research, Development, and Testing 59% Other 41%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment MSL computer, software/hardware center,  
signal evaluation environment chamber, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility Yuma Proving Ground  
 Location Yuma, AZ  
 Name of Director Col. James M. Davis, Jr.

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
 None

Major Mission of Facility Develop and maintain master plan for installation, facilities, methodology.

Personnel as of 10/30/79: Professional 119 All Other 867

Percent of Effort Expended in  
 Research, Development, and Testing 77% Other 23%

## Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

## Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Instrumented artillery range, vehicle mobility test ranges and facility, instrumented aircraft armament range.

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility MATERIEL TESTING DIRECTORATE  
 Location ABERDEEN PROVING GROUND, MD  
 Name of Director DONALD RESCH  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 NONE

Major mission of facility PLAN COT & REPT TEST OF WPNS WPN SYS RKTS & GM SYS FIRE CON & TCT ACQ EQUIP ITEMS OF AMMO AND MUN COMPONENTS CBT VEHS OTHER AUTO MAT GEN EQUIP. PROV COR SVCS FOR PROC OF ARMOR PLATE FOR ALL DARCOM INSTLS & ACTIVITIES PROV SUPPORT SVCS TO APG ELEMENTS & SUPPORTED COMMANDS.

Personnel as of 10/30/79: Professional 469 All other 448 Total 917

Percent of effort expended in  
 Research and Development, and Testing 68 Other 32

## Relationship to other organizations

Parent Agency DoD

Parent Agency Subelements Army

Subordinate organizations \_\_\_\_\_

## Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment TEST AREA 68700 ACRES. RANGE TO LAND IMPAC. 2600M RANGE TO WATER IMPACT 3000M.41 MILES OF AUTMV CRS INCL 27 SP ENGR TEST CRS & OBSTACLES. VAR OF ENVIR OR COM EQUIP

Comments \_\_\_\_\_

Date 8/11/81

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Federal Laboratory Information Sheet

Name of Facility Walter Reed Army Institute of Research  
Location Washington, D. C.  
Name of Director Col. Phillips K. Russell  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. L. Ware, Bldg. 521, Ft. Detrick, Md. 21701 (301) 663-7325 A/V: 343-7325  
Major Mission of Facility Performs general military medicine research in the areas of communicable diseases and immunology, surgery, experimental therapeutics, neuropsychiatry, general medicine, and preventative medicine.

Personnel as of 10/30/79: Professional 493 All Other 420

Percent of Effort Expended in  
Research, Development, and Testing 67% Other 33%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Army  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
Major Scientific and/or Testing Equipment Chemical analytical equipment, microwave exposure systems, behavior research instrumentation, and electronic microscopes.

Comments \_\_\_\_\_  
Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Chemical Systems Laboratory  
Location Aberdeen Proving Ground, MD  
Name of Director Col. John D. Spence  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
William A. Barr, DRDAR-CLY-L, (301) 671-2031, A/V: 584-2031  
Major Mission of Facility Class II activity conducting and research and development mission for Army chemical munitions and defensive items.

Personnel as of 10/30/79: Professional 529 All Other 378

Percent of Effort Expended in  
Research, Development, and Testing 71% Other 29%

Relationship to Other Organizations

Parent Agency DOD  
Parent Agency SubElements Army  
Subordinate Organizations Biomedical Laboratory

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
Major Scientific and/or Testing Equipment CML pilot plant, aerosol chamber, anechoic chamber, simulant agent challenge test chamber, sub-sonic, super-sonic, transonic wind tunnel, animal breeding holding facility.

Comments \_\_\_\_\_  
Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Tank-Automotive Command  
Location Warren, MI  
Name of Director A. H. Anderson

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Stewart W. Argo, DRDTA-RG, Warren, MI 48090 (313) 574-6372 A/V: 786-6372

Major Mission of Facility Design, development, acquisition and initial deployment of assigned weapons/equipment systems.

Personnel as of 10/30/79: Professional 380 All Other 455

Percent of Effort Expended in  
Research, Development, and Testing 52% Other 48%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Vehicle brake dynometer, engine and transmission test cells and various other vehicle equipment.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Electronic Proving Ground  
Location Ft. Huachuca, AZ  
Name of Director Col. James H. Phillips

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None

Major Mission of Facility plan, conduct, evaluate and report on development and other engr/lab type tests of ground and airborne equipment and systems that utilize electronic/electromagnetic technology.

Personnel as of 10/30/79: Professional 103 All Other 697

Percent of Effort Expended in  
Research, Development, and Testing 41% Other 59%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Imagery interpretation met, radiac, radar, laser intel, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Ballistic Research Laboratory

Location Aberdeen Proving Ground, MD

Name of Director Dr. Robert J. Eichelberger

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. A.D. Coates, Aberdeen Proving Ground, MD 21005 (301) 278-6954 A/V: 283-6954

Major Mission of Facility Conduct, research and explore developments in sciences/ technologies necessary for conceiving, designing, developing, and evaluating weapon systems.

Personnel as of 10/30/79: Professional 400 All Other 381

Percent of Effort Expended in  
Research, Development, and Testing 94% Other 6%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Shock tubes, soft recovery system, high speed motion photographic equipment, flash holographic system, pulsed flow chemical reactor system.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Dugway Proving Ground

Location Dugway, UT

Name of Director CDR. Col. Charles H. Bay

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dugway, UT 84022  
Dr. Mortimer Rothenbur, STEDP-C, (801) 522-3314, A/V: 789-3314

Major Mission of Facility Conduct tests to assess military of CML weapons, smoke/obscurants and CML-BIO defense systems, etc.

Personnel as of 10/30/79: Professional 83 All Other 695

Percent of Effort Expended in  
Research, Development, and Testing 77% Other 23%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Instrument grids for CML-BIO tests, auto data acquisition and mesomet network.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Materials and Mechanics Research Center  
Location Watertown, MA  
Name of Director Co. W. R. Benoit  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. D.W. Seitz, Dode DRXMR-PMT, Watertown, MA 02172 617-923-3522 A/V: 955-3522  
Major Mission of Facility Manage DARCOM structural materials and mechanics program  
Execute program inhouse and by assignment and fund transfer to other DARCOM fa-  
cilities, manage 5 information centers, etc.

Personnel as of 10/30/79: Professional 200 All Other 422

Percent of Effort Expended in  
Research, Development, and Testing 70% Other 30%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Fire Control and Small Caliber Weapons System Lab  
Location Dover, NJ  
Name of Director Col. Aaron J. Larkings  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. William Fisco, LEWSL-DRDAR-LCE-C, Dover, NJ 07801 201-328-2561 A/V: 880-2561  
Major Mission of Facility Accomplish exploratory, advanced, and engineering  
developments and life cycle technical responsibility for fire control and all  
weapons systems and ancillary items through 40MM.

Personnel as of 10/30/79: Professional 381 All Other 198

Percent of Effort Expended in  
Research, Development, and Testing 64% Other 36%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Aviation Research and Technology Laboratories  
Location Moffett Field, CA  
Name of Director Dr. Richard M. Carlson  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None  
Major Mission of Facility Manage and execute R&D of Army airmobile systems through demonstration of technology. Technical support to project/product managers and systems developers as required.

Personnel as of 10/30/79: Professional 282 All Other 278

Percent of Effort Expended in

Research, Development, and Testing 92% Other 8%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Fillament winging machines, tensile testers, vibration tester, small ballistic range calibration lab, atomic absorption spectr, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

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Federal Laboratory Information Sheet

Name of Facility Atmospheric Sciences Laboratory  
Location White Sands, N. M. 88002  
Name of Director Col. William F. Rawlinson  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Robert E. Northrup, Jr., DELAS-DP, (505) 678-5236, A/V: 789-5236  
Major Mission of Facility Responsible for that portion of ERADCOM mission devoted to research in atmospheric sciences, development of meteorological techniques, and equipment for field Army. Furnish meteorological services to Army RDTE activities.

Personnel as of 10/30/79: Professional 122 All Other 411

Percent of Effort Expended in

Research, Development, and Testing 63% Other 27%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Mobile atmospheric characterization equipment.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Medical Research Institute of Infectious Diseases  
Location Fort Detrick, MD  
Name of Director Col. Richard F. Barquist  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
L. Ware, Bldg. 521, Ft. Detrick, Frederick, MD 21701 (301) 663-7325 A/V: 343-7325  
Major Mission of Facility Perform studies on the pathogenesis, diagnosis, pro-  
phylaxis, treatment epidemiology of naturally occurring diseases of military  
import.

Personnel as of 10/30/79: Professional 147 All Other 360

Percent of Effort Expended in

Research, Development, and Testing 67% Other 33%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated            Leased & Government Operated           

Government Owned & Contractor Operated            Contractor Owned & Operated           

Major Scientific and/or Testing Equipment Two computers and an animal farm.

Comments

Date

Federal Laboratory Information Sheet

Name of Facility Electronic Warfare Laboratory  
Location Ft. Monmouth, NJ  
Name of Director Mr. Max Adler  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. W. S. McAfee, DRDEL-JA, Ft. Monmouth, NJ 07703 201-544-4131 A/V: 922-4131  
Major Mission of Facility Research, develop, initial acquisition and first fielding  
of EW and selected intel material, etc.

Personnel as of 10/30/79: Professional 265 All Other 231

Percent of Effort Expended in

Research, Development, and Testing 53% Other 47%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated            Leased & Government Operated           

Government Owned & Contractor Operated            Contractor Owned & Operated           

Major Scientific and/or Testing Equipment None listed

Comments

Date

Federal Laboratory Information Sheet

Name of Facility Night Vision & Electro-Optics Laboratory

Location Fort Belvoir, VA 22060

Name of Director Dr. Louis Cameron

Name, Address, and Telephone Number of Research and Technology Applications Contact:

Mr. Richard W. Fulton, ATTN: DELNV-SI, Ft. Belvoir, VA 22060 (703) 664-3923/5605, A/V: 354-5605

Major Mission of Facility Provide Army with night vision capability to allow  
operation at near daylight efficiency.

Personnel as of 26 Nov 82: Professional 210 All Other 281

Percent of Effort Expended in

Research, Development, and Testing 20% Other 80%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements U.S. Army

Subordinate Organizations U.S. Army Electronics Research & Development Command

Type of Operation

Government Owned & Operated X Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated    Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment

Specialized optical, image intensification and infrared testing equipment and  
standards.

Comments \_\_\_\_\_

Date 26 Nov 82

112

Federal Laboratory Information Sheet

Name of Facility Communications R&D Command

Location Ft. Monmouth, NJ

Name of Director Mr. Emmett Paige, Jr.

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None

Major Mission of Facility Conduct R&D related to communication equipment and  
systems.

Personnel as of 10/30/79: Professional 284 All Other 165

Percent of Effort Expended in

Research, Development, and Testing 89% Other 11%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment TSQ73 support software system, ARTADS  
TACFIRE battalion system

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Material Systems Analysis Activity

Location Aberdeen Proving Ground, MD

Name of Director Co. Albert Deprospero

Name, Address, and Telephone Number of Research and Technology Applications Contact:

None

Major Mission of Facility Provide central independent technical capability for DARCOM for the conduct of major systems analysis and cost-effectiveness studies.

Personnel as of 10/30/79: Professional 328 All Other 112

Percent of Effort Expended in

Research, Development, and Testing 85% Other 15%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Research Institute for Behavioral & Social Sciences

Location Alexandria, VA

Name of Director Col. Franklin A. Hart

Name, Address, and Telephone Number of Research and Technology Applications Contact:

Dr. Jack Matticks, PERI-P AMC Bldg. (202) 274-8275, A/V: 284-8275

Major Mission of Facility To maximize combat effectiveness through research in the acquisition, development, and utilization of soldiers in military systems.

Personnel as of 10/30/79: Professional 210 All Other 148

Percent of Effort Expended in

Research, Development, and Testing 97% Other 3%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Aviation Development Test Activity  
Location Ft. Rucker, AL  
Name of Director Col. William E. Crouch, Jr.  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None  
Major Mission of Facility Plan, conduct, evaluate and report on Government test elements - EDT-G, ADVT-G, PQT-G, PVT-G and to monitor, evaluate and report contractor tests under SIDTC concept for aircraft, aircraft components and related equipment.

Personnel as of 10/30/79: Professional 47 All Other 277

Percent of Effort Expended in  
Research, Development, and Testing 66% Other 34%

Relationship to Other Organizations

Parent Agency DOD  
Parent Agency SubElements Army  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment \_\_\_\_\_  
None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Engineer Topographic Laboratories  
Location Ft. Belvoir, VA  
Name of Director Col. Daniel L. Lycan  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Ft. Belvoir, VA 22060  
Dr. Kenneth R. Kothe, Bldg. 2592, (703) 664-5828, A/V: 354-5828  
Major Mission of Facility R&D in topographic sciences, mapping, point positioning, and military geographic information, operational support, terrain analysis, and scientific/advisory services.

Personnel as of 10/30/79: Professional 182 All Other 132

Percent of Effort Expended in  
Research, Development, and Testing 92% Other 8%

Relationship to Other Organizations

Parent Agency DOD  
Parent Agency SubElements Army  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
Major Scientific and/or Testing Equipment CDC 6400, Goodyear Staran S-1000, DEC PDP 1150 and PDP 1170, Comtal, Dicomed, PDS digital automated microdensitometers.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Letterman Army Institute of Research

Location Presidio, San Francisco, CA

Name of Director Co. John D. Marshall, Jr.

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. L. Ware, Bldg. 521, Ft. Detrick, Frederick, MD 21701 301-663-7325 A/V: 343-7325

Major Mission of Facility To provide general medical research capability and conduct research in areas of nutrition, food wholesomeness, dermatology, chronic mammalian, toxicology, effects of lasers, experimental psychology, trauma, etc.

Personnel as of 10/30/79: Professional 181 All Other 97

Percent of Effort Expended in

Research, Development, and Testing 64% Other 36%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Cold Regions Test Center

Location APO Seattle, WA

Name of Director CDR. Col James F. Henrionnet

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None

Major Mission of Facility Plan, conduct, evaluate, and report on environmental phase of development tests.

Personnel as of 10/30/79: Professional 25 All Other 279

Percent of Effort Expended in

Research, Development, and Testing 54% Other 46%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Aircraft, DS/GS calibration, moving target system, remote SARTS target system, computer facilities.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Electronics Technology and Devices Lab  
Location Ft. Monmouth, NJ  
Name of Director Dr. C. G. Thornton  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. William S. McAfee, DR-DEL-SA, Ft. Monmouth, NH 07703 (201) 544-4131 A/V: 992-4131  
Major Mission of Facility Develop and essential base in electronics technology and devices consisten with next generation Army systems operational requirements.

Personnel as of 10/30/79: Professional 169 All Other 109

Percent of Effort Expended in

Research, Development, and Testing 86% Other 14%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

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Federal Laboratory Information Sheet

Name of Facility Cold Regions R&E Laboratory  
Location Hanover, N. H.  
Name of Director Col. W. A. Hanson  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. Andrew Assur, 72 Lyme Road, Hanover, NH 03755 603-646-4237 A/V 684-4237  
Major Mission of Facility Conduct and coordinate research applicable to the Army's needs where winter weather and cold represents a severe problem.

Personnel as of 10/30/79: Professional 113 All Other 164

Percent of Effort Expended in

Research, Development, and Testing 44% Other 56%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment 24 cold labs, testing apparatus for frozen materials, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Signals Warfare Laboratory  
Location Vint Hill, VA  
Name of Director Herbert S. Hovey, Jr.

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None

Major Mission of Facility Research, design, development, evaluation, analysis, logistical integration, first article production, successful fielding and product improvement of signals.

Personnel as of 10/30/79: Professional 80 All Other 157

Percent of Effort Expended in  
Research, Development, and Testing 15% Other 85%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated            Leased & Government Operated           

Government Owned & Contractor Operated            Contractor Owned & Operated           

Major Scientific and/or Testing Equipment Electronics systems and equipment.

Comments

Date

Federal Laboratory Information Sheet

Name of Facility Institute of Surgical Research  
Location Ft. Sam, Houston TX  
Name of Director Col. Basil A. Pruitt, Jr.

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. L. Ware, Bldg. 521, Ft. Detrick, Frederick, MD 21701 301-663-7325 A/V: 343-7325

Major Mission of Facility Conducts basic and clinical research on severe burn injuries and their complications.

Personnel as of 10/30/79: Professional 70 All Other 159

Percent of Effort Expended in  
Research, Development, and Testing 47% Other 53%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated            Leased & Government Operated           

Government Owned & Contractor Operated            Contractor Owned & Operated           

Major Scientific and/or Testing Equipment Animal colony, metabolic chamber and computer facility.

Comments

Date

Federal Laboratory Information Sheet

Name of Facility Avionics R&D Activity

Location Ft. Monmouth, N.J.

Name of Director CDR Col. D. Peterson

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. W. S. McAfee, DRDEL-SA, Ft. Monmouth, NJ 07703 201-544-4131 A/V: 992-4131

Major Mission of Facility Aviation electronics from research through first time production (airborne and ground equipment for communications).

Personnel as of 10/30/79: Professional 141 All Other 82

Percent of Effort Expended in

Research, Development, and Testing 63% Other 37%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Night navigation pilotage system, digital hot bench, symbology generator, wire detection and recognition simulator, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Construction Engineering Research Lab

Location Champaign, IL

Name of Director Col. L. J. Circeo

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
G. R. Williamson, PO Box 4005, Champaign, IL 61820 (217) 342-6511

Major Mission of Facility Plan, execute and evaluate research to obtain best combination of engineering design, construction, operation and maintenance to provide facilities for the military establishment and other agencies at least cost to and to disseminate the research results.

Personnel as of 10/30/79: Professional 135 All Other 72

Percent of Effort Expended in

Research, Development, and Testing 62% Other 28%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Controlled environment chamber, one million pound closed loop materials test system, scanning electron microscope.

Comments \_\_\_\_\_

Date \_\_\_\_\_



Federal Laboratory Information Sheet

Name of Facility Research Institute of Environmental Medicine  
Location Natick, MA  
Name of Director Col. Harry G. Dangerfield  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. L. Ware, Bldg. 521, Ft. Detrick, MD 21701 301-663-7325 A/V: 343-7325  
Major Mission of Facility Conduct basic and applied research to determine the effects of heat, cold, high terrestrial altitude and work upon the soldiers life processes, performance and health.

Personnel as of 10/30/79: Professional 84 All Other 91

Percent of Effort Expended in  
Research, Development, and Testing 80% Other 20%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Numerous small chambers, animal care facilities, electroni microscope, underwater research pool, cooper manikins, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Human Engineering Laboratory  
Location Aberdeen Proving Ground, MD  
Name of Director Dr. John D. Weisz  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Dr. Donald Egner, (301) 278-4567/4168, A/V: 283-4567/4168  
Major Mission of Facility Conduct fundamental and applied research in human factors engineering.

Personnel as of 10/30/79: Professional 113 All Other 62

Percent of Effort Expended in  
Research, Development, and Testing 91% Other 9%

Relationship to Other Organizations

Parent Agency DOD

Parent Agency SubElements Army

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Data acquisition and biotelemetry system, GAT 2M helicopter simulator, command control imulator system, acoustical research anechoic chamber, reverberant room, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Aviation Engineering Flight Activity

Location Edwards AFB, CA

Name of Director CDR Col. Lewis J. McConnell

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None

Major Mission of Facility Produce engineering flight test data on aircraft performance, etc.

Personnel as of 10/30/79: Professional 41 All Other 125

Percent of Effort Expended in

Research, Development, and Testing 81% Other 19%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated        Leased & Government Operated       

Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment 8 airborne data acquisition systems, 1 EMR computer w/telemetry, 3 remote ground stations w/computer and telemetry capabilities, 1 Miliken camera, 1 Fairchild flight analyzer.

Comments

Date

Federal Laboratory Information Sheet

Name of Facility Medical R&D Command

Location Fort Detrick, MD

Name of Director CDR BG G. Pappmund

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Ft. Detrick, Frederick, MD 21701  
Mr. Lawrence Ware, Bldg 521, (301) 663-7325, A/V: 343-7325

Major Mission of Facility Administration and coordination of the medical RDT&E program. Program limited to unique military problems within us and OCONUS.

Personnel as of 10/30/79: Professional 41 All Other 108

Percent of Effort Expended in

Research, Development, and Testing 94% Other 6%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated        Leased & Government Operated       

Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment None listed

Comments

Date

Federal Laboratory Information Sheet

Name of Facility U. S. Army Aeromedical Research Laboratory

Location Fort Rucker, AL 36362

Name of Director Commander: Col Stanley C. Knapp

Name, Address, and Telephone Number of Research and Technology Applications Contact:

Ms. June Greer, P.O. Box 577, Fort Rucker, AL 36362 (205) 255-5107

Major Mission of Facility Continued funding of material/applied research on medical aspects . . . . .

Personnel as of 10/30/79: Professional 48 All Other 94

Percent of Effort Expended in

Research, Development, and Testing 80% Other 20%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations Medical R&D Command

Type of Operation

Government Owned & Operated X Leased & Government Operated       

Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment Anechoic chamber, colormeter, mass spectro, etc.

Comments None

Date June 3, 1981

Federal Laboratory Information Sheet

Name of Facility TROPIC TEST CENTER

Location FT. CLAYTON, C. Z.

Name of Director CDR COL. RICHARD P. VARRERE

Name, Address, and Telephone Number of Research and Technology Applications Contact:

NONE

Major Mission of Facility PLAN, CONDUCT AND REPORT ON ENVIRONMENTAL PHASES OF DEVELOPMENT TEST 11, AND OTHER DEVELOPMENTAL TYPE TESTS. PROVIDE ADVICE AND GUIDANCE ON TESTS AND EVALUATION MATTERS TO MATERIALS DEVELOPERS, MATERIEL PRODUCERS, OTHER SERVICES, AND PRIVATE INDUSTRY.

Personnel as of 10/30/79: Professional 13 All Other 128

Percent of Effort Expended in

Research, Development, and Testing 77% Other       

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations       

Type of Operation

Government Owned & Operated XX Leased & Government Operated       

Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment TEST FACILITIES AND LABORATORIES WITH INSTRUMENT AND EQUIPMENT FOR CONDUCTING TROPICS TESTS OF DoD MATERIALS IN THE NATURAL ENVIRONMENT INCLUDE ELECTRONICS, HUMAN FACTORS, CHEMICAL, MICROBIOLOGICAL, MATERIAL, SOILS, CALIBRATION, AUDIO-VISUAL AND DATA ANALYSIS LABORATORIES.

Comments       

Date 8/11/81

Federal Laboratory Information Sheet

Name of Facility Medical Bioengineering R&D Laboratory  
Location Fort Detrick, MD  
Name of Director Col. John N. Albertson, Jr.

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. L. Ware, Bldg. 521, Ft. Detrick, Frederick, MD 21701 301-663-7325 A/V: 343-7325  
Major Mission of Facility Conduct engineering research and development of military medical equipment, conduct surgeon general's RDT&E program in integrated pest management, conducts environmental, occupational health research, conducts life cycle system management of medical, dental and pest management materials.

Personnel as of 10/30/79: Professional 56 All Other 80

Percent of Effort Expended in  
Research, Development, and Testing 85% Other 15%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Army  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
Major Scientific and/or Testing Equipment Pest management equipment and systems, prototype and test models of military dental material.

Comments \_\_\_\_\_  
Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Army Institute of Dental Research  
Location Washington, D. C.  
Name of Director Col. Duane E. Cutright

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. L. Ware, Bldg. 521, Ft. Detrick, Frederick, Md. 21701 301-66-7325 A/V: 343-7325  
Major Mission of Facility Develop techniques to treat war related maxillofacial injuries and dental diseases.

Personnel as of 10/30/79: Professional 51 All Other 55

Percent of Effort Expended in  
Research, Development, and Testing 60% Other 40%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Army  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_  
Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Army Research Office

Location Durham, NC

Name of Director Col. Anthony P. Simkus

Name, Address, and Telephone Number of Research and Technology Applications Contact:

None

Major Mission of Facility To manage that portion of the Army's research program relevant to Army missions in math, the phy, engr, environmental and life sciences. To represent the research interests of the Army overseas.

Personnel as of 10/30/79: Professional 36 All Other 60

Percent of Effort Expended in

Research, Development, and Testing 99% Other 1%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Army

Subordinate Organizations

Type of Operation

Government Owned & Operated        Leased & Government Operated       

Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment None listed.

Comments

Date

Federal Laboratory Information Sheet

Name of Facility Pacific Missile Test Center

Location Point Mugu, CA

Name of Director RADM F. H. Baughman

Name, Address, and Telephone Number of Research and Technology Applications Contact:

None

Major Mission of Facility Perform DT&E, develop support, follow-on engineering and logistics and training support for Naval weapons, weapon systems and related devices.

Personnel as of 10/30/79: Professional 1263 All Other 3540

Percent of Effort Expended in

Research, Development, and Testing 41% Other 59%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElement Navy

Subordinate Organizations

Type of Operation

Government Owned & Operated        Leased & Government Operated       

Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment Test laboratories, surface tracking

range, radars, data reduction facilities, missile and target launch platforms, and facilities.

Comments

Date

## Federal Laboratory Information Sheet

Name of Facility Surface Weapons CenterLocation Silver Spring, MDName of Director Capt. P. L. Anderson

Name, Address, and Telephone Number of Research and Technology Applications Contact:

Ramsey D. Johnson, Code D21, White Oak, MD 20910 (202) 394-1505 AF: 290-1505Major Mission of Facility Navy RDT&E center for surface ship combat systems, ordnance, mines and strategic system support.Personnel as of 10/30/79: Professional 2178 All Other 2554

Percent of Effort Expended in

Research, Development, and Testing 92% Other 8%

Relationship to Other Organizations

Parent Agency DoDParent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned &amp; Operated \_\_\_\_\_ Leased &amp; Government Operated \_\_\_\_\_

Government Owned &amp; Contractor Operated \_\_\_\_\_ Contractor Owned &amp; Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listedComments FY81 \$195.2M Added Contact: Dr. Sherman Gee, Code D21, Naval SurfaceWeapons Center, White Oak, MD 20910 (202) 394-1505

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility Naval Weapons CenterLocation China Lake, CAName of Director Capt. J.J. Lahr

Name, Address, and Telephone Number of Research and Technology Applications Contact:

George F. Linsteadt, Code 3803, (714) 939-2305. A/V: 437-2305Major Mission of Facility Principal Navy RDT&E center for air warfare systems(except anti-submarine weapons systems) and missiles weapons systems and the national range facility for parachute test and evaluation.Personnel as of 10/30/79: Professional 1416 All Other 3124

Percent of Effort Expended in

Research, Development, and Testing 69% Other 31%

Relationship to Other Organizations

Parent Agency DoDParent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned &amp; Operated \_\_\_\_\_ Leased &amp; Government Operated \_\_\_\_\_

Government Owned &amp; Contractor Operated \_\_\_\_\_ Contractor Owned &amp; Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Electronic warfare threat environment simulator, solid state devices lab, encounter simulation lab, propulsion research lab, etc.Comments FY 81 \$198.7M

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Air Test Center  
Location Patuxent River, MD  
Name of Director RADM J. G. Wissler  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None  
Major Mission of Facility Conduct technical evaluation and bis trials, train test pilots, test and evaluate total aircraft, their mission systems and all subsystems and components

Personnel as of 10/30/79: Professional 544 All Other 3022

Percent of Effort Expended in  
Research, Development, and Testing 61% Other 39%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Navy  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Various research and test facilities and labs.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Naval Research Laboratory  
Location Washington, D. C.  
Name of Director Capt. E. E. Henifin  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. Richard Fulper, Code 1434, (202) 767-3744, A/V: 297-3744  
Major Mission of Facility Conduct broadly based multidisciplinary program of scientific research and advanced technological development directed toward new and operational procedures for the Navy.

Personnel as of 10/30/79: Professional 1566 All Other 1828

Percent of Effort Expended in  
Research, Development, and Testing 86% Other 14%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Navy  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment One ship, acoustic bathymetry, and deep ocean search, calibration facilities, high level radiation lab.

Comments FY81 \$192.0M Richard Fulper Jr., Naval Research Laboratory, Washington, D.C. 20375 (202) 767-3726

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility NAVAL UNDERWATER SYSTEMS CENTER  
Location NEWPORT, RI  
Name of Director DR. C. NICHOLAS PRYOR  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
MR. MICHAEL AHRENS, CODE 0702, BLDG. 80T, NEW LONDON, CT (203) 447-4908  
Major Mission of Facility TO BE THE PRINCIPAL NAVY RDT&E CENTER FOR SUBMARINE WARFARE & SUBMARINE WEAPON SYSTEMS.

127  
Personnel as of 10/30/79: Professional 1423 All Other 1377

Percent of Effort Expended in  
Research, Development, and Testing 50% Other \_\_\_\_\_

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated xx Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment PRIMARY IN-HOUSE R&D CAPABILITY FOR NAVY AND MARINE CORP SYSTEMS, SUBSYSTEMS AND TECHNOLOGY FOR SONAR SYSTEMS.

Comments FY81 \$211.1M

Date 8/11/81

Federal Laboratory Information Sheet

Name of Facility Ocean Systems Center  
Location San Diego, CA  
Name of Director Capt. J. M. Patton  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Eugene Cooper, Code 013(B), San Diego, CA 92152 (714) 225-7455 AV: 933-7455  
Major Mission of Facility To be principal Navy RDT&E center for command control, communications, ocean surveillance, surface and air launched undersea weapon systems and supporting technologies.

Personnel as of 10/30/79: Professional 1413 All Other 1378

Percent of Effort Expended in  
Research, Development, and Testing 72% Other 28%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment microwave and millimeter wave antenna pattern range complex, oceanographic research tower, etc.

Comments FY81 \$172.4M

Date \_\_\_\_\_



Federal Laboratory Information Sheet

Name of Facility Naval Avionic Center

Location Indianapolis, Indiana

Name of Director John Hague

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Terry Ising, 6000 21st Street, Indianapolis, Indiana 46218 317-353-3220

Major mission of facility \_\_\_\_\_

RDT&E, material acquisition, pilot and limited manufacturing, technical evaluation, depot maintenance, & integrated logistics support on assigned airborne electronics.

Personnel as of 12/31/80: Professional 700 All other 1450

Percent of effort expended in

Research and Development 30; Testing 20; Other 50

Relationship to other organizations

Parent Agency DoD

Parent Agency Subelements Navy

Subordinate organizations NAVAIR/AIR-05

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Analog & digital computers, super clean room, automated design centers, pilot manufacturing facilities for custom microelectronics circuits, automated test systems.

Comments \_\_\_\_\_

Date 01-82

Federal Laboratory Information Sheet

Name of Facility Naval Air Engineering Center

Location Lakehurst, NJ

Name of Director (Vacant)

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Zip 08733 Michael Palamar, Code 9011, Bldg. #26, Lakehurst, NJ (201) 323-2391

Major mission of facility conduct program of RDT&E, system integration, limited production, procurement and fleet engineering support in launching, recovery and landing aids for aircraft and in support equipment.

Personnel as of 12/31/80: Professional 700 All other 1076

Percent of effort expended in

Research and Development 30; Testing 10; Other 60

Relationship to other organizations

Parent Agency DoD

Parent Agency Subelements Navy

Subordinate organizations NAVAIR-AIR-05

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Catapult & arresting gear systems, cryogenic equipment, tribology laboratory, numerical control tools, hydraulic testing, fatigue wire rope testing, non-destructive test equipment.

Comments \_\_\_\_\_

Date 6/1/82

Federal Laboratory Information Sheet

Name of Facility Naval Weapons Station Earle

Location Colts Neck, New Jersey 07722

Name of Director J. Kelly

Name, address and phone number of Research and Technology Applications Contact  
M. Gray Code 80A Associate Director 201-462-7688

Major mission of facility  
Naval Weapons handling, packaging and container development

Personnel as of 12/31/80: Professional 100 All other ? (1200)

Percent of effort expended in

Research and Development 30; Testing 20; Other 50

Relationship to other organizations

Parent Agency DoD

Parent Agency Subelements Navy

Subordinate organizations NAVSEA

Type of Operation

Government owned & operated  Leased & government operated       

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment Handling equipment, impact testing machines, temperate-humidity chambers, hydraulic tilt table, forklift truck test course.

Comments       

Date July 82

Federal Laboratory Information Sheet

Name of Facility Naval Coastal Systems Center

Location Panama City, FL

Name of Director Capt. Raymond D. Bennett

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. W.H. Williams, Code 750, NCSC, Panama City, FL 32407 904-234-4113 A/V 436-4113

Major Mission of Facility Principal Navy activity for conducting RDT&E in support of Naval missions and operations that take place primarily in the coastal regions.

Personnel as of 10/30/79: Professional 281 All Other 451

Percent of Effort Expended in

Research, Development, and Testing 74% Other 26%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations       

Type of Operation

Government Owned & Operated        Leased & Government Operated       

Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment Hydrospace lab, hydrodynamic pressure simulator, etc.

Comments FY 81 \$46.8M

Date

Federal Laboratory Information Sheet

Name of Facility Air Propulsion Center  
Location Trenton, NJ  
Name of Director Capt. B. T. Allgood, Jr.

Name, Address, and Telephone Number of Research and Technology Applications Contact:

None

Major Mission of Facility Provide NAVAIR and fleet complete technical and engineering support for airbreathing propulsion systems, accessories, components and fuels and lobes.

Personnel as of 10/30/79: Professional 163 All Other 432

Percent of Effort Expended in

Research, Development, and Testing 88% Other 12%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Three large altitude cells, two large sea level cells, four small altitude cells, seven test rooms, test starters.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Medical Research Institute  
Location Bethesda, MD  
Name of Director Capt. Walter F. Miner

Name, Address, and Telephone Number of Research and Technology Applications Contact:

None

Major Mission of Facility Conduct basic and applied R&D concerned with the health, safety and efficiency of Navy personnel.

Personnel as of 10/30/79: Professional 183 All Other 306

Percent of Effort Expended in

Research, Development, and Testing 78% Other 22%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Man-rate hyperbaric chambers, human tissue preservation and storage equipment, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Weapons Evaluation Facility

Location Albuquerque, NM

Name of Director Capt. D. R. Weichmann

Name, Address, and Telephone Number of Research and Technology Applications Contact:

None

Major Mission of Facility Plan, formulate and execute research and exploratory, advanced and prototype development programs in air-breathing propulsion, aerospace power generation and distribution, aircraft fuels, fuel and lubrication systems and fire protection.

Personnel as of 10/30/79: Professional 245 All Other 189

Percent of Effort Expended in

Research, Development, and Testing 99% Other 1%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Turbine engine control test facility, battery development and test facility, MHD generator, lubricant rigs, seal test rigs, bearing rigs, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Office of Naval Research

Location Washington, D.C.

Name of Director RADM A. J. Baciocco Jr.

Name, Address, and Telephone Number of Research and Technology Applications Contact:

None

Major Mission of Facility Responsible for leadership of Navy Research Program, management and direction of ONR conducted RDT&E of Navy wide patent program.

Personnel as of 10/30/79: Professional 115 All Other 314

Percent of Effort Expended in

Research, Development, and Testing 72% Other 28%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Civil Engineering Lab  
Location Port Hueneme, CA  
Name of Director Capt. Ronald P. Cope  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. James F. Jenkins, L03C, (805) 982-4070, A/V: 360-4070  
Major Mission of Facility Principal RDT&E center for Navy Shore facilities, fixed surface and subsurface ocean.

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Personnel as of 10/30/79: Professional 178 All Other 147

Percent of Effort Expended in  
Research, Development, and Testing 86% Other 14%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Navy  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Various diving and depth simulating equipment.

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Personnel Research and Development Center  
Location San Diego, CA  
Name of Director Capt. D. F. Parker  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. Harold Rosen, Code 303, San Diego, CA 92152 (714) 225-7109 A/V: 933-7109  
Major Mission of Facility Human resources RDT&E in areas of manpower, personnel, education and training and to serve as the coordinating activity for all such RDT&E for the Navy.

Personnel as of 10/30/79: Professional 180 All Other 114

Percent of Effort Expended in  
Research, Development, and Testing 93% Other 7%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Navy  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment General automated 18/30 computer system with remote job entry to other computer centers, PDP 12, PDP 11/47, UNIVAC 1100 maxicomputer.

Comments \$17.9M

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Ocean R&D  
Location Bay St. Louis, MS  
Name of Director Capt. C. G. Darrell  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. George E. Stanford, Technology Transfer Coordinator, NSTL Station, MS 39529  
601-688-4790  
Major Mission of Facility Carry out broad based RDT&E programs in ocean science  
and technology with emphasis on understanding ocean process through measurement  
and analysis and the effects of this ocean environment on Navy systems and  
operations.

Personnel as of 10/30/79: Professional 226 All Other 45

Percent of Effort Expended in

Research, Development, and Testing 92% Other 8%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Wave-current interaction simulation  
facility, interactive digital satellite image processing systems, etc.

Comments FY81 \$32.8M

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Naval Explosive Ordnance Disposal Facility  
Location Indian Head, MD  
Name of Director CDR J. T. Kennedy  
Name, Address, and Telephone Number of Research and Technology Applications Contact:  
Mr. Lionel Dickinson, Director, Indian Head, MD 20640 (301) 743-4439 A/V: 364-4439  
Major Mission of Facility Conduct RDT&E concerning both the disposal and rendering  
safe procedures for conventional and special weapons, guided missiles, underwater  
weapons, explosives, bio and chemical munitions, both U. S. and foreign.

Personnel as of 10/30/79: Professional 51 All Other 150

Percent of Effort Expended in

Research, Development, and Testing 66% Other 34%

Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment None listed

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

**Name of Facility** Aerospace Medical Research Lab  
**Location** Pensacola, FL  
**Name of Director** Capt. R.E. Mitchell  
**Name, address and phone number of Research and Technology Applications Contact** \_\_\_\_\_  
**None**  
**Major mission of facility** Conduct research development test and evaluation in aerospace medicine and related scientific areas applicable to aerospace systems.  
  
  
  
  
**Personnel as of 10/30/79:** Professional 76 All other 93 Total \_\_\_\_\_  
**Percent of effort expended in**  
 Research and Development, and Testing 83% Other 17%  
**Relationship to other organizations**  
**Parent Agency** DoD  
**Parent Agency Subelements** Navy  
**Subordinate organizations** \_\_\_\_\_  
**Type of Operation**  
 Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
**Major scientific and/or testing equipment** Microwave and extremely nonionizing radiation facility. Slow rotation room. Coriolis acceleration platform. Human disorientation device.  
**Comments** \_\_\_\_\_  
  
**Date** 8/11/81

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## Federal Laboratory Information Sheet

**Name of Facility** Ordnance Missile Test Facility  
**Location** White Sands, NM  
**Name of Director** Capt. M. A. Peterson, Jr.  
**Name, Address, and Telephone Number of Research and Technology Applications Contact:** None  
**Major Mission of Facility** Support the Navy Guided Missile and research rocket programs.  
  
  
  
  
**Personnel as of 10/30/79:** Professional 39 All Other 101  
**Percent of Effort Expended in**  
 Research, Development, and Testing 75% Other 25%  
**Relationship to Other Organizations**  
**Parent Agency** DoD  
**Parent Agency SubElements** Navy  
**Subordinate Organizations** \_\_\_\_\_  
**Type of Operation**  
 Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_  
 Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_  
**Major Scientific and/or Testing Equipment** Flight test terrier/TARTAR/standard/SAM guided missiles and projectiles, various sounding rockets for upper atmospheric study.  
**Comments** \_\_\_\_\_  
  
**Date** \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Health Research Center  
Location San Diego, CA  
Name of Director Capt. Richard H. Rahe

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
LCDR J. C. Ferguson, San Diego, CA 92138 714-225-2061 A/V: 933-2061

Major Mission of Facility Conduct R&D on medical and psychological aspects of health and performing of Naval service personnel and to perform such other functions or tasks as may be directed.

Personnel as of 10/30/79: Professional 54 All Other 59

Percent of Effort Expended in  
Research, Development, and Testing 80% Other 20%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Navy  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Electroenceph monitor, cardiovascular test lab, microbiology diagnostic kits, computer labs and storage.

Comments \_\_\_\_\_

Date \_\_\_\_\_

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Federal Laboratory Information Sheet

Name of Facility Submarine Medical Research Lab  
Location Groton, CT  
Name of Director CDR R. A. Marquiles

Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None

Major Mission of Facility Conduct medical research and development as it relates to submarine, shipboard and diving environment.

Personnel as of 10/30/79: Professional 47 All Other 47

Percent of Effort Expended in  
Research, Development, and Testing 81% Other 19%

Relationship to Other Organizations

Parent Agency DoD  
Parent Agency SubElements Navy  
Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned & Operated \_\_\_\_\_ Leased & Government Operated \_\_\_\_\_

Government Owned & Contractor Operated \_\_\_\_\_ Contractor Owned & Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Environment control chambers, medical exam suite, surgical suite, computer application facility, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility Undersea Ranges Department  
 Location Newport, RI  
 Name of Director Capt A. S. McLaren  
 Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None

Major Mission of Facility Provide deep water development and operational T&E facilities for underwater acoustic measurements, testing calibrating sonars.

Personnel as of 10/30/79: Professional 34 All Other 48

Percent of Effort Expended in  
 Research, Development, and Testing 80% Other 20%

## Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

## Type of Operation

Government Owned & Operated        Leased & Government Operated       

Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment ASW weapons, sonar and foracs test measurement ranges in support of Navy ASW and undersea R&D programs, ASW fleet assessment and operational readiness.

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility MEDICAL RESEARCH UNIT NO. 3  
 Location CAIRO, EGYPT  
 Name of Director CO. CAPT. RAYMOND H. WATTEN  
 Name, Address, and Telephone Number of Research and Technology Applications Contact:  
None

Major Mission of Facility TO CONDUCT RESEARCH AND DEVELOPMENT IN INFECTIOUS DISEASES OF MILITARY IMPORTANCE TO ITS ASSIGNED GEOGRAPHICAL AREA, AND, TO PERFORM SUCH OTHER FUNCTIONS AS MAY BE DIRECTED BY THE CHIEF BUREAU OF MEDICINE AND SURGERY.

Personnel as of 10/30/79: Professional 64 All Other 17

Percent of Effort Expended in  
 Research, Development, and Testing 75% Other       

## Relationship to Other Organizations

Parent Agency DoD

Parent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

## Type of Operation

Government Owned & Operated XX Leased & Government Operated       

Government Owned & Contractor Operated        Contractor Owned & Operated       

Major Scientific and/or Testing Equipment MODEL LS2, VERTICAL ILLUMINATOR OUTFIT, OILFIREDPORTABLE HOT HIGH PRESSURE CLEANER, ROTARY MICROTOME, AUTOMATED MICROTOME, KNIFE SHARPENER, FREEZING CHAMBER, BIOGARD HOOD, ABSORBANCE MONITOR WITH STAND & FLOW  
 Comments \_\_\_\_\_

Date 8/11/81

## Federal Laboratory Information Sheet

Name of Facility Clothing and Textile Research FacilityLocation Natick, MAName of Director CDR Donald S. ParsonsName, Address, and Telephone Number of Research and Technology Applications Contact:  
NoneMajor Mission of Facility Conduct research development test and evaluation and provide engineering support in clothing textiles and related fields associated with service clothing and environmental protective clothing.Personnel as of 10/30/79: Professional 38 All Other 18

Percent of Effort Expended in

Research, Development, and Testing 52% Other 48%

Relationship to Other Organizations

Parent Agency DoDParent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned &amp; Operated \_\_\_\_\_ Leased &amp; Government Operated \_\_\_\_\_

Government Owned &amp; Contractor Operated \_\_\_\_\_ Contractor Owned &amp; Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Air-sea environment temperature lab, air chamber-marine tank (reproduce air-sea temperature conditions), etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility Dental Research Institute NTCLocation Great Lakes, ILName of Director Capt. M. R. Wirthlin, Jr.Name, Address, and Telephone Number of Research and Technology Applications Contact:  
NoneMajor Mission of Facility Conduct RDT&E in dental and allied sciences, with particular emphasis on problems of dental and oral health.Personnel as of 10/30/79: Professional 20 All Other 27

Percent of Effort Expended in

Research, Development, and Testing 59% Other 41%

Relationship to Other Organizations

Parent Agency DoDParent Agency SubElements Navy

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government Owned &amp; Operated \_\_\_\_\_ Leased &amp; Government Operated \_\_\_\_\_

Government Owned &amp; Contractor Operated \_\_\_\_\_ Contractor Owned &amp; Operated \_\_\_\_\_

Major Scientific and/or Testing Equipment Amino acid analyzer, atomic absorption unit, fluoride electrodes, etc.

Comments \_\_\_\_\_

Date \_\_\_\_\_

**DEPARTMENT OF ENERGY**

DOE



Federal Laboratory Information Sheet

Name of Facility Sandia National Laboratories

Location Albuquerque, New Mexico

Name of Director George C. Dacey (505) 264-7261

Name, address and phone number of Research and Technology Applications Contact  
Mr. R. P. Stromberg, Technology Transfer Officer, Org. 400, Albuquerque, NM 87185  
(505) 844-5535 FTS 844-5535

Major mission of facility Nuclear ordnance Engineering, laser research, particle fusion, nuclear reactor safety, nuclear waste management combustion research, improved drilling techniques, oil shale and coal extraction techniques, geothermal, solar, and wind energy systems and aeronomy, atmospheric chemistry, and aerosol research.

Personnel as of 12/31/80: Professional 3203 All other 4436

Percent of effort expended in

Research and Development 87%; Testing 10%; Other 3%

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated        Leased & government operated       

~~Government owned & operated~~ X Contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment \_\_\_\_\_

Comments \$422.5M FY 80 \$242.8M

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Lawrence Livermore National Laboratory

Location Livermore, California

Name of Director R.E. Batzel (415) 422-7401

Name, address and phone number of Research and Technology Applications Contact  
Mr. Gerald T. Richards, University of California, P.O. Box 808, L404, Livermore, California 94550 (415) 422-6416 F TTS 532-6416

Major mission of facility Fundamental and applied research and development related to the nuclear sciences and the use of atomic energy.

Personnel as of 12/31/80: Professional 2488 All other 4614

Percent of effort expended in

Research and Development       ; Testing       ; Other       

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated        Leased & government operated       

Government owned & contractor operated X Contractor owned & operated       

Major scientific and/or testing equipment \_\_\_\_\_

Comments \$328.8M FY 80 \$317M \$586.1M FY 81 7014 total 2457 science and

engineering, 547 technician and administrative had B.A. or higher degrees

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Los Alamos National Laboratory

Location Los Alamos, New Mexico

Name of Director D. M. Kerr (505) 667-5101

Name, address and phone number of Research and Technology Applications Contact  
Dr. Eugene Stark, Industry Liaison Office, MS 185, LASL, Los Alamos, NM 87545  
(505) 667-4548/1230 FTS 843-4548/1230

Major mission of facility Nuclear weapons research and development, inertial confinement fusion research and development, magnetic fusion research and development, research in medium energy physics, research in chemistry and physics, materials science research and development, energy research and development

Personnel as of 12/31/80: Professional 2756 All other 4181

Percent of effort expended in

142 Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$320M FY 80 \$489.9M FY 81

Date   

Federal Laboratory Information Sheet

Name of Facility Oak Ridge National Laboratory

Location Oak Ridge, Tennessee

Name of Director H. Postma (615) 574-4846

Name, address and phone number of Research and Technology Applications Contact  
Mr. Donald W. Jared, Research Applications Officer, Oak Ridge National Laboratory, TV/C, P.O. Box X, Oak Ridge Tennessee 37830 (615) 574-4193 FTS 624-4193

Major mission of facility To develop new technologies which will provide options for energy supplies and for more efficient utilization of energy, to generate new scientific knowledge; to perform R&D in support of other national needs and to transfer technologies to industry.

Personnel as of 12/31/80: Professional 2363 All other 2812

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$250.5M FY 80 \$302M \$435.5M FY 81 400 to 500 guest scientists and 1200 other university part-time not included in personnel

Date

Federal Laboratory Information Sheet

Name of Facility Argonne National Laboratory

Location near Chicago, Illinois and Idaho Falls, Idaho

Name of Director Dr. Walter E. Massey

Name, address and phone number of Research and Technology Applications Contact Bruce C. Huguelet, Bldg. 362, 9700 S. Dass Avenue, Argonne, IL 60439 312/972-3064

Major mission of facility Argonne National Laboratory is one of the Nation's largest Federally funded research and development centers. The Laboratory's programs encompass a wide range of energy research and development efforts, as well as fundamental programs in the physical, environmental and biological sciences.

Personnel as of 12/31/80: Professional 1840 All other 3278

Percent of effort expended in

Research and Development 100; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements Office of Energy Research

Subordinate organizations (Divisions) Accelerator Research Facilities, Applied Math, Applied Physics, Biological & Medical Research, Chemical Engineering, Chemistry, Components Technology, Electronics, Energy & Environmental Systems, Engineering, Environmental Impact Studies, High Energy Physics\*  
Type of Operation Leased & government operated

Government owned & operated    Leased & government operated   

Government owned & contractor operated X Contractor owned & operated   

Major scientific and/or testing equipment Experimental Breeder Reactor II, Intense

Pulsed Neutron Source, High Voltage Electron Microscope, Alpha-Gamma Hot Cells, National

Battery Test Laboratory, Cyclotron, and Superconducting Heavy Ion Accelerator

Comments Unique facilities can be made available to qualified users on various bases.

Collaborative research is welcome in areas of mutual interest. \$257M FY80

Date   

\*Materials Science, Occupational Health & Safety, Physics, Quality Assurance, Radiological and Environmental Research, Reactor Analysis and Safety, Solid State Science

Federal Laboratory Information Sheet

Name of Facility Idaho National Engineering Laboratory

Location Idaho Falls, Idaho

Name of Director W.E. McCullough\* (208) 526-1476

Name, address and phone number of Research and Technology Applications Contact Stuart B. Milam, Assistant Director, Idaho National Engineering Laboratory, Idaho Falls, Idaho 83401 (208) 526-1618

Major mission of facility Reactor safety, nuclear fuel reprocessing, waste management and disposal, nuclear physics, and radiation control tasks.

Personnel as of 12/31/80: Professional    All other   

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \*EG&H Idaho Director R.W. Kiehn \$218M FY 80 \$316.0M FY 81

Date

Federal Laboratory Information Sheet

Name of Facility Brookhaven National Laboratory

Location Upton, New York

Name of Director G.H. Vinyard (516) 345-3335

Name, address and phone number of Research and Technology Applications Contact  
Ms. Margaret Bogosian, Brookhaven National Laboratory, Patent Counsel, Technology Utilization Officer, Building 460, Upton, New York 11973 (516) 282-7338, FTS 666-7338

Major mission of facility Research in the physical and biological sciences and engineering.

Personnel as of 12/31/80: Professional 1124 All other 2978

Percent of effort expended in

Research and Development       ; Testing       ; Other       

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements       

Subordinate organizations       

Type of Operation

Government owned & operated        Leased & government operated       

Government owned & contractor operated X Contractor owned & operated       

Major scientific and/or testing equipment       

Comments \$116M FY 80 (106M) Additional Contact: Jerome Hudis, Assistant Director for Scientific Staff Policy (516) 282-3336

Date       

Federal Laboratory Information Sheet

Name of Facility Bettis Atomic Power Laboratory

Location West Mifflin, Pennsylvania

Name of Director A. C. Davis (412) 462-5000 x-0200

Name, address and phone number of Research and Technology Applications Contact  
P.O. Box 79, West Mifflin, Pennsylvania 15122

Major mission of facility Conducts engineering, research, development and testing to support and advance the development of reactor technology

Personnel as of 12/31/80: Professional 1924 All other 1434

Percent of effort expended in

Research and Development       ; Testing       ; Other       

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements       

Subordinate organizations Naval Reactor Facility, Idaho National Engineering Lab

Type of Operation

Government owned & operated        Leased & government operated       

Government owned & contractor operated X Contractor owned & operated       

Major scientific and/or testing equipment       

Comments \$121.4M FY 80 \$203M FY 81 750 workers at Idaho site joint DoE and DoD/Navy funding

Date

Federal Laboratory Information Sheet

Name of Facility Lawrence Berkeley Laboratory

Location Berkeley, California

Name of Director D.A. Shirley (415) 843-2740 x-5111

Name, address and phone number of Research and Technology Applications Contact  
Mr. Robert J. Morris, Office of Technology Applications, University of California,  
Bldg. 930, Room 309, Berkeley, California 94720 (415) 486-6502 FTS 451-6502

Major mission of facility Basic research in the physical and biological sciences.

Personnel as of 12/31/80: Professional 952 All other 1236

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$188M FY 80 \$139.1M FY 81

Date   

Federal Laboratory Information Sheet

Name of Facility Knolls Atomic Power Laboratory

Location Schenectady, New York

Name of Director A. E. Kakretz (518) 393-6611 x-4200

Name, address and phone number of Research and Technology Applications Contact  
Carl H. Schmitt, Public and Foreign Matters, Knolls Atomic Power Laboratory,  
P.O. Box 1072, Schenectady, New York 12301 (202) 252-5564

Major mission of facility Performs engineering, research, and development work  
related to design, improvement, and operation of nuclear power plants suitable  
for naval vessels.

Personnel as of 12/31/80: Professional 1788 All other 1125

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$107M FY 80 \$190.1M FY 81 (note only 1285 of 1788 had B.S. or higher  
degrees in FY 78) joint DoD/Navy and DoE funding

Date

Federal Laboratory Information Sheet

Name of Facility Pacific Northwest Laboratory

Location Richland, Washington

Name of Director D.E. Olesen (509) 946-2201

Name, address and phone number of Research and Technology Applications Contact  
Loren Schmidt, Manager of Planning, Pacific Northwest Laboratory, P.O. Box 999,  
Richland, Washington 99352 (509) 375-2559

Major mission of facility Energy technology, materials research and development,  
physical sciences, life sciences, environmental research, and Nuclear Reactor Safety  
Research (NRC).

Personnel as of 12/31/80: Professional 1102 All other 982

Percent of effort expended in

<sup>(est)</sup>  
Research and Development 60 Testing   ; Other 40

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated X Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$128M \$120M \$146.1M FY 81

Date   

Federal Laboratory Information Sheet

Name of Facility FERMILAB (Fermi National Accelerator Laboratory)

Location Batavia, Illinois

Name of Director R.R. Wilson (312) 840-3000, x-3211

Name, address and phone number of Research and Technology Applications Contact  
Mr. John McCook, Assistant Director, c/o Director of Special Projects, FERMI Laboratory,  
P.O. Box 500, Batavia, Illinois 60510 (312) 840-3211, FTS 370-3211

Major mission of facility High energy physics research.

Personnel as of 12/31/80: Professional 408 All other 1574

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$70.9M FY 80 \$60.5M in FY 78 (note many technicians and others

hold B.S. and higher degrees)

Date

Federal Laboratory Information Sheet

Name of Facility Hanford Engineering Development Laboratory

Location Richland, Washington

Name of Director J.E. Nolan (509) 942-3915

Name, address and phone number of Research and Technology Applications Contact  
Ron Bliss, Manager of Strategic Planning & Organizational Development, Hanford  
Engineering Development Laboratory, P.O. Box 1970, Richland, WA 99352 (509) 376-3998

Major mission of facility Development of breeder reactors

Personnel as of 12/31/80: Professional 759 All other 1167

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated X Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$149.6M FY 80 \$145.5M FY 81

Date   

Federal Laboratory Information Sheet

Name of Facility Princeton Plasma Physics Laboratory

Location Princeton, New Jersey

Name of Director M.B. Gottlieb (609) 452-5600

Name, address and phone number of Research and Technology Applications Contact  
Robert C. Mills, Head, Engineering Program, Princeton Plasma Physics Laboratory,  
Princeton University, P.O. Box 451, Princeton, New Jersey 08540

Major mission of facility Research and development leading to power generation  
through magnetic fusion.

Personnel as of 12/31/80: Professional 397 All other 1009

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$51.9M FY 80 \$135.9M FY81

Date

Federal Laboratory Information Sheet

Name of Facility Savannah River Laboratory

Location Aiken, South Carolina

Name of Director A.H. Peters (803) 725-6211 x-3183 Manager

Name, address and phone number of Research and Technology Applications Contact A.H. Peters, Manager, Savannah River Laboratory, Aiken, South Carolina 29801 (803) 725-2277

Major mission of facility Research and development in support of present and future Savannah River products, long term waste management, environmental studies, uranium resource evaluation of eastern United States, commercial fuel cycle support.

Personnel as of 12/31/80: Professional 328 All other 667

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated X Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$66M FY 80 \$78.7M FY 81

Date:   

148

Federal Laboratory Information Sheet

Name of Facility Stanford Linear Accelerator Center

Location Menlo Park, California

Name of Director W.K.H. Panafsky (415) 854-3300 x-2601

Name, address and phone number of Research and Technology Applications Contact Eugene B. Rickansrud, Associate Director, Business Services Division, SLAC, Stanford University, P.O. Box 4349, Stanford, California (415) 854-3300 x-2217

Major mission of facility Operation of the world's most powerful electron accelerator as a national facility for particle physics research.

Personnel as of 12/31/80: Professional 359 All other 1043

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$49.1M FY 80 \$64.0M (note many added degree staff not listed as professionals)

Date:

Federal Laboratory Information Sheet

Name of Facility Solar Energy Research Institute

Location Golden, Colorado

Name of Director \_\_\_\_\_

Name, address and phone number of Research and Technology Applications Contact  
Mr. H. Dana Moran, Assistant to Director, Solar Energy Research Institute, 1536 Cole  
Boulevard, Golden, Colorado 80401 (303) 231-7115 FTS 327-7115

Major mission of facility \_\_\_\_\_

149  
Personnel as of 12/31/80: Professional 476 All other 249

Percent of effort expended in

Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \$112.5M FY 80 \$138.5M FY 81

Date: \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Ames Laboratory

Location Ames, Iowa

Name of Director R. Sittansen (515) 294-2770

Name, address and phone number of Research and Technology Applications Contact (FLC)  
Mr. Daniel E. Williams, Assistant Director, Office and Laboratory Building, Room 119,  
Iowa State University, Ames, Iowa 50011 (515) 294-2635, FTS 865-2635

Major mission of facility Conducts pioneering type development work and contributes  
fundamental knowledge basic to the utilization of atomic energy

Personnel as of 12/31/80: Professional 323 All other 216

Percent of effort expended in

Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \$16M FY80

Date: \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Oak Ridge Associated Universities

Location Oak Ridge, Tennessee

Name of Director Phillip L. Johnson (615) 843-8411 x-201

Name, address and phone number of Research and Technology Applications Contact  
Phillip L. Johnson, Executive Director, Oak Ridge Associated Universities, Attn: R&D Lab TT  
Officer, P.O. Box 117, Oak Ridge, Tennessee 37630 (615) 576-3300

Major mission of facility Conducts interrelated programs of education, information,  
analysis, research and training in energy R&D and related environmental and biomedical  
areas.

Personnel as of 12/31/80: Professional 108 All other 290

Percent of effort expended in

150

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$9.8M FY 80 \$12.3M FY 81

Date   

Federal Laboratory Information Sheet

Name of Facility Pittsburgh Energy Technology Center

Location Pittsburgh, Pennsylvania

Name of Director S.W. Chun (Acting) (412) 892-2400 x-2395

Name, address and phone number of Research and Technology Applications Contact  
William Peters, Manager, Technical Information Services, Pittsburgh Energy Technology  
Center, P.O. Box 10940, Pittsburgh, Pennsylvania 15236 (412) 675-6251

Major mission of facility Obtain new knowledge of chemical and physical properties and  
reactions of coal, and develop improved technology for (1) converting coal to electricity,  
(2) converting coal to clean burning gaseous and liquid fuels, (3) converting organic  
wastes to useful fuels, and (4) controlling pollution.

Personnel as of 12/31/80: Professional 149 All other 203

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations Carbondale Mining Technology Center and  
Pittsburgh Mining Technology Center

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$43.9M FY 80 \$137.4M FY 81 \$19.3M FY 78

Date

Federal Laboratory Information Sheet

Name of Facility Energy Technology Engineering Center

Location Canoga Park, California

Name of Director H.C. Weisenbeck (213) 700-5532 FTS 983-5532

Name, address and phone number of Research and Technology Applications Contact  
Guy Ervin, III, Energy Technology Engineering Center, PO Box 1449, Canoga Park,  
California 91304 (213) 341-1000 x-6474

Major mission of facility Serve as proving ground for breeder reactor heat transfer  
system and component technology, develop equipment and materials codes, standards,  
specifications, and quality assurance doctrine and practices.

Personnel as of 12/31/80: Professional 310 All other 20

Percent of effort expended in

Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \$32.3M FY 81 Rockwell International Corporation \$21M FY 78

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Morgantown Energy (Technology) Center

Location Morgantown, West Virginia

Name of Director Augustine A. Pitrolo (304) 599-7511

Name, address and phone number of Research and Technology Applications Contact  
Augustine A. Pitrolo, Director, Morgantown Energy Technology Center, P.O. Box 880,  
Morgantown, West Virginia 26505 (303) 599-7511

Major mission of facility Develop coal conversion and utilization technologies and  
natural gas, crude oil and coal extraction technologies; identify and mitigate the  
environmental and health effects of fossil-related processes; transfer technological  
developments to the private sector and provide a technology base to support program  
planning by the Government.

Personnel as of 12/31/80: Professional 96 All other 155

Percent of effort expended in

Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \$94.5M FY 80 \$89.6M FY 81 \$7.8M FY 78 (+project monitoring for  
\$15.1M in FY 78)

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Inhalation Toxicology Research Institute

Location Albuquerque, New Mexico

Name of Director R. R. Wilson

Name, address and phone number of Research and Technology Applications Contact Robert Jones, Associate Director, Lovelace Biomedical and Environmental Research Institute, P.O. Box 5890, Albuquerque, NM 87115 (505) 844-2502

Major mission of facility Develop improved knowledge of the biomedical consequences of inhaling airborne effluents from nuclear and fossil fueled energy conversion systems.

Personnel as of 12/31/80: Professional 78 All other 134

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$7.6 M FY 80

Date   

152

Federal Laboratory Information Sheet

Name of Facility Bartlesville Energy Technology Center

Location Bartlesville, Oklahoma

Name of Director H.R. Johnson (918) 336-2400 x-200

Name, address and phone number of Research and Technology Applications Contact C.C. Linville, Information Officer and Chief, Technology Transfer Section, P.O. Box 1398, Bartlesville, Oklahoma 74003 (918) 336-2400

Major mission of facility Conduct research on the production, processing and utilization of petroleum and natural gas.

Personnel as of 12/31/80: Professional 68 All other 104

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$23.8M FY 80 \$29.1M FY 81 \$25.2M FY 78

Date

Federal Laboratory Information Sheet

Name of Facility Laramie Energy Technology Center

Location Laramie, Wyoming

Name of Director J.P. Watson, Acting Director (307) 721-2115 x-4212

Name, address and phone number of Research and Technology Applications Contact Dr. R. J. Jiacollette, Assist. Director, Office of Technology Program Management, P.O. Box 3395, University Station, Laramie Energy Technology Center, Laramie, WY 82071 (307) 721-2212  
Major mission of facility Conducts research and engineering studies on the use of oil shale and tar sand.

Personnel as of 12/31/80: Professional 63 All other 85

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$35.4 M

Date   

Federal Laboratory Information Sheet

Name of Facility Laboratory of Nuclear Medicine and Radiation Biology, UCLA

Location Los Angeles, California

Name of Director Owen R. Lunt (213) 825-9431

Name, address and phone number of Research and Technology Applications Contact Owen R. Lunt, Director, Laboratory for Nuclear Medicine and Radiation Biology, University of California, 900 Veteran Avenue, Los Angeles, CA 90024 (213) 825-9431  
Major mission of facility Conduct of research in nuclear medicine, radiation biology, developmental biology, environmental biology, biochemistry, and radiation measurements

Personnel as of 12/31/80: Professional 39 All other 106

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$4.8M FY 80 \$4.0M FY 81 \$4.0M FY 79 (+\$1.1M OA)

Date

Federal Laboratory Information Sheet

Name of Facility University of Rochester Biomedical Laboratory

Location Rochester, New York

Name of Director Paul L. LaCelle (716) 275-3723

Name, address and phone number of Research and Technology Applications Contact  
Paul L. LaCelle, Director, University of Rochester Biomedical Laboratory, School of Medicine and Dentistry, Rochester, New York 14642 (716) 275-3723

Major mission of facility Conduct studies in molecular and cell biology, membranology, aerosols, mineral metabolism, and environmental toxicology which involves a study of the mechanisms of accumulation, absorption, and excretion of toxic metals and chemicals.

Personnel as of 12/31/80: Professional 44 All other 66

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$2.4M FY 80 \$2.4M FY 81 \$3.5M FY 78 (+3.1M OA)

Date   

Federal Laboratory Information Sheet

Name of Facility Environmental Measurement Laboratory (formerly Health and Safety Laboratory)

Location New York, New York

Name of Director Herbert L. Volchok (212) 620-3616

Name, address and phone number of Research and Technology Applications Contact  
Herbert Volchok, Director, Environmental Measurements Laboratory, 376 Hudson Street, New York, New York 10014 (212) 620-3616

Major mission of facility Research and development in environmental pollutants, radiological and nonnuclear health physics and in instrument developments.

Personnel as of 12/31/80: Professional 53 All other 42

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$5.389M FY 80 \$5.9M FY 81

Date

Federal Laboratory Information Sheet

Name of Facility Comparative Animal Research Laboratory, University of Tennessee

Location Oak Ridge, Tennessee

Name of Director H.E. Walburg

Name, address and phone number of Research and Technology Applications Contact

H.E. Walburg, Director, 1299 Bethel Valley Road, Oak Ridge, TN 37830 (615) 576-4008

Major mission of facility Conduct research to produce information on the metabolism and effects of energy-related pollutants to assist in determining the risk to man and his environment.

Personnel as of 12/31/80: Professional 31 All other 61

Percent of effort expended in

Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Bates Linear Accelerator Facility

Location Middleton, Massachusetts

Name of Director Peter Demos (617) 245-6600

Name, address and phone number of Research and Technology Applications Contact Dr. Peter Demos, Director, Bates Linear Accelerator Facility, Massachusetts Institute of Technology, P.O. Box 95, Middletown, Massachusetts 01949 (617) 245-6600

Major mission of facility Research on the structure of atomic nuclei.

Personnel as of 12/31/80: Professional 31 All other 44

Percent of effort expended in

Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \$10M FY80, \$4M FY78

Date \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Notre Dame Radiation Laboratory

Location South Bend, Indiana

Name of Director Robert H. Schuler (219) 283-7502

Name, address and phone number of Research and Technology Applications Contact Robert H. Schuler, Director, Notre Dame Radiation Laboratory, University of Notre Dame, Notre Dame, Indiana 45556 (219) 283-7502

Major mission of facility Conduct theoretical and experimental research to obtain a detailed description of the mechanisms leading to chemical change following the absorption of high-energy radiations in all states of matter under a wide variety of conditions.

Personnel as of 12/31/80: Professional 49 All other 22

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$2.1M FY 80 \$2.5M FY 81 \$1.9M FY 78

Date   

Federal Laboratory Information Sheet

Name of Facility Savannah River Ecology Laboratory

Location Augusta, Georgia

Name of Director Michael H. Smith (803) 824-6331 x-2472

Name, address and phone number of Research and Technology Applications Contact Michael H. Smith, Director, Savannah River Ecology Laboratory, Drawer E, Aiken, South Carolina 29801 (803) 725-2472

Major mission of facility Conduct environmental program in thermal effects ecology; mineral cycling of heavy metals, radionuclides and plant nutrients, and the radioecology of transuranic elements.

Personnel as of 12/31/80: Professional 26 All other 43

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$1.5M FY 80 \$1.9M FY 81

Date

Federal Laboratory Information Sheet

Name of Facility Grand Forks Energy Technology Center

Location Grand Forks, North Dakota

Name of Director G.H. Gronhord (701) 759-8131

Name, address and phone number of Research and Technology Applications Contact Phillip G. Freeman, Safety Officer, Grand Forks Energy Technology Center, P.O. Box 8213 University Station, Grand Forks, North Dakota 58202 (701) 759-8109

Major mission of facility Conducts studies of low ranked (young) coal and lignite.

Personnel as of 12/31/80: Professional 36 All other 32

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$9M FY 80

Date   

Federal Laboratory Information Sheet

Name of Facility New Brunswick Laboratory

Location Argonne National Laboratory, Argonne, Illinois (formerly at New Brunswick, New Jersey)

Name of Director Carleton D. Bingham (312) 972-2446

Name, address and phone number of Research and Technology Applications Contact Carleton D. Bingham, Director, New Brunswick Laboratory, 9800 South Cass Avenue, Argonne, Illinois 60439 (312) 972-2446

Major mission of facility Provides prime analytical chemistry support to the DOE nuclear materials Safeguard Program, including assay of samples taken by DOE inspectors from DOE contractors and licensees for transuranium elements; also develop new and improved measurement techniques.

Personnel as of 12/31/80: Professional 47 All other 13

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$1.9M FY 80 \$2.3M FY 81

Date

**Federal Laboratory Information Sheet**

**Name of Facility** Radiobiology Laboratory, University of Utah  
**Location** Salt Lake City, Utah  
**Name of Director** W.S.S. Jee (801) 581-6600

**Name, address and phone number of Research and Technology Applications Contact** McDonald E. Wrenn, Director, Radiobiology Division, Radiobiology Laboratory, University of Utah, Building 351, Salt Lake City, Utah 84112 (901) 581-6600

**Major mission of facility** Conduct studies on the deposition, translocation, excretion, retention, and acute and late toxic effects of radionuclides, particularly the alpha-emitting isotopes, entering the body by routes other than inhalation.

**Personnel as of 12/31/80:** Professional 13 All other 41

**Percent of effort expended in**

Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

**Relationship to other organizations**

**Parent Agency** Department of Energy

**Parent Agency Subelements** \_\_\_\_\_

**Subordinate organizations** \_\_\_\_\_

**Type of Operation**

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

**Major scientific and/or testing equipment** \_\_\_\_\_

**Comments** \$1.7M FY 80 \$1.9M FY 81

**Date** \_\_\_\_\_

**Federal Laboratory Information Sheet**

**Name of Facility** Michigan State University/DoE Plant Research Laboratory  
**Location** East Lansing, Michigan  
**Name of Director** H. Kende (517) 353-2270

**Name, address and phone number of Research and Technology Applications Contact** Gary W. Watson, Administrative Specialist, MSU-DOE, Plant Research Laboratory, East Lansing, Michigan 48824 (517) 353-2270

**Major mission of facility** Conduct research on plant regulation and development

**Personnel as of 12/31/80:** Professional 34 All other 16

**Percent of effort expended in**

Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

**Relationship to other organizations**

**Parent Agency** Department of Energy

**Parent Agency Subelements** \_\_\_\_\_

**Subordinate organizations** \_\_\_\_\_

**Type of Operation**

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

**Major scientific and/or testing equipment** \_\_\_\_\_

**Comments** \$1.5M FY 80, \$1.4M FY 78

**Date** \_\_\_\_\_

Federal Laboratory Information Sheet

Name of Facility Center for Energy and Environment Research (formerly Puerto Rico Nuclear Center)  
Location Mavaquez and Rio Piedras, Puerto Rico  
Name of Director A. Bonnet, Jr. (809) 765-7210  
  
Name, address and phone number of Research and Technology Applications Contact William Ocasio, Asst. Director for Planning and Development, Center for Energy and Environment Research, University of Puerto Rico, Caporras Heights Station, San Juan, PR 00935 (809) 767-0321  
Major mission of facility Conduct research, development and training embracing a broad spectrum of energy and environment related scientific disciplines directed at the national and Commonwealth of Puerto Rico goals of energy independence with particular emphasis on energy conservation and solar energy technology including ocean thermal energy conversion.

Personnel as of 12/31/80: Professional 35 All other 15

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated X Contractor owned & operated   

Major scientific and/or testing equipment     
    
  

Comments \$2.6M FY 81 \$2.6M FY 78

Date   

Federal Laboratory Information Sheet

Name of Facility Laboratory of Radiobiology and Environmental Health, U. of California  
Location San Francisco, California  
Name of Director Harvey M. Patt (415) 666-1636  
  
Name, address and phone number of Research and Technology Applications Contact Harvey M. Patt, Director, Laboratory of Radiobiology, University of California, School of Medicine, University of California, San Francisco, CA. 94143 (415) 666-1636  
Major mission of facility Provide information fundamental to understanding of genetic, ontogenetic, and physiologic effects of energy-related toxic agents and radiation.

Personnel as of 12/31/80: Professional 14 All other 28

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment     
    
  

Comments \$2.0M FY 80 \$2.1M FY 81 \$1.6M FY 78

Date

Federal Laboratory Information Sheet

Name of Facility Laboratory for Energy-Related Health Research, University of CA, Davis

Location Davis, California

Name of Director Moshe Shifrine (916) 752-1341 Acting Director

Name, address and phone number of Research and Technology Applications Contact Moshe Shifrine, Acting Director, Laboratory for Energy and Health Related Research, University of California, Davis CA 95616 (916) 752-1341

Major mission of facility Evaluation of somatic effects of radiation on long-lived animals, particularly dogs.

Personnel as of 12/31/80: Professional 10 All other 30

Percent of effort expended in

Research and Development ; Testing ; Other   

Relationship to other organizations

Parent Agency Department of Energy

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments \$1.9M FY 80 \$3.9M FY 81 \$2.6M FY 79

Date   

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DOI

**DEPARTMENT OF INTERIOR**



## Federal Laboratory Information Sheet

Name of Facility Pittsburgh Mining and Safety Research CenterLocation Bruceton, PennsylvaniaName of Director Research Director - John Murphy

Name, address and phone number of Research and Technology Applications Contact

Phone 412/675-6698, Walt Evans, P. O. Box 18070, Pittsburgh, PA 15236Major mission of facility To conduct research, development, and engineering studies on fires and explosions, control of respirable dust, roof support systems, explosions, and related health and safety problems.Personnel as of 12/31/80: Professional 117 All other 142

Percent of effort expended in

16 Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency U. S. Department of the InteriorParent Agency Subelements Bureau of MinesSubordinate organizations   

Type of Operation

Government owned & operated X Leased & government operated   Government owned & contractor operated    Contractor owned & operated   Major scientific and/or testing equipment Miner training systems and materials;laboratory models for testing dust control on longwalls; self rescue breathing apparatusand monitoring equipment; various dosimeters and detectors for strain and gases, etc.Comments Research also being conducted at the Lake Lynn Laboratory on explosions and a wire rope test facility.Date June 9, 1982

## Federal Laboratory Information Sheet

Name of Facility Twin Cities Research CenterLocation Minneapolis, MinnesotaName of Director Research Director - John Corwin

Name, address and phone number of Research and Technology Applications Contact

Phone 612/725-4562, Richard Dick, 5629 Minnehaha Avenue South, Twin Cities, MN 55417Major mission of facility Conducts research to increase productivity, reduce cost, insure safety, and minimize environmental impact of surface and underground mining.Also conducts research in beneficiation and preparation of iron ore and iron and steelmaking including slag utilization. Research is also conducted on the extractive metallurgy of copper-nickel ores.Personnel as of 12/31/80: Professional 97 All other 84

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency U. S. Department of the InteriorParent Agency Subelements Bureau of MinesSubordinate organizations   

Type of Operation

Government owned & operated X Leased & government operated   Government owned & contractor operated    Contractor owned & operated   Major scientific and/or testing equipment precision airblast and ground vibration monitors,a shake table for instrument calibration, prototype borehole mining tool, TV viewing system,system for perforating PVC well casings and an underground crusher, etc.Comments Two facilities have also being erected next to the research center to help carry out research: a single stage, fix-bed gasifier and a pelletizerDate June 9, 1982

Federal Laboratory Information Sheet

Name of Facility Albany Metallurgy Research Center  
Location Albany, Oregon  
Name of Director Research Director - Frank Block  
Name, address and phone number of Research and Technology Applications Contact Steven O'Hare, 1450 Queen Avenue SW, P. O. Box 70, Albany, OR 97321  
Major mission of facility At the largest of the Bureau's metallurgy facilities, the program encompasses the complete scope of metallurgical research from ore to finished shapes. Included are investigations of ore beneficiation, extractive metallurgy, steel production, and electric furnace processing of ores and concentrates. A major part of the program is directed toward minimizing metal needs through development of better materials, including those needed for high-temperature applications. Accurate thermodynamic data on inorganic materials are measured and compiled here.  
Personnel as of 12/31/80: Professional 84 All other 78  
Percent of effort expended in  
R Research and Development       ; Testing       ; Other       

Relationship to other organizations

Parent Agency U. S. Department of the Interior  
Parent Agency Subelements Bureau of Mines  
Subordinate organizations       

Type of Operation

Government owned & operated X Leased & government operated         
Government owned & contractor operated        Contractor owned & operated         
Major scientific and/or testing equipment melting and casting equipment of metals; extraction leachants and solutions; spalling test equipment, etc.

Comments         
Date June 9, 1982

Federal Laboratory Information Sheet

Name of Facility Salt Lake City Metallurgy Research Center  
Location Salt Lake City, Utah  
Name of Director Research Director - William McKinney  
Name, address and phone number of Research and Technology Applications Contact Bill Nissen, 729 Arapene Drive, Salt Lake City, UT 84108, Phone 801/524-6146  
Major mission of facility Engineering studies of hydrometallurgical processes comprise the major portion of the research at Salt Lake City Metallurgy Research Center, including the extractive metallurgy of copper, uranium, and light metals. Studies are conducted also on the removal of sulfur dioxide from industrial flue gases, on the stabilization of mineral wastes, on the recycling of mineral processing waste waters.  
Personnel as of 12/31/80: Professional 64 All other 44

Percent of effort expended in

Research and Development       ; Testing       ; Other         
Relationship to other organizations  
Parent Agency U. S. Department of the Interior  
Parent Agency Subelements Bureau of Mines  
Subordinate organizations       

Type of Operation

Government owned & operated X Leased & government operated         
Government owned & contractor operated        Contractor owned & operated         
Major scientific and/or testing equipment Extractive solvents, leachants and hydrometallurgical processing equipment; flotation tanks, etc.

Comments Research also conducted in a citrate process plant in Monaca, PA for removing stack gases from a coal-field plant.  
Date June 9, 1982

Federal Laboratory Information Sheet

Name of Facility Denver Mining Research Center  
Location Denver, Colorado  
Name of Director Research Director - Galen Waddell  
Name, address and phone number of Research and Technology Applications Contact Steve Utter, Denver Federal Center, Building #20, Denver, Colorado 80225, Phone 303/234-3754  
Major mission of facility To conduct basic and applied research in ground control with emphasis on rock mass behavior, mine structure analysis, mine opening design, pre-mining delineation of structure, and special studies.

Personnel as of 12/31/80: Professional 56 All other 37

Percent of effort expended in

56 Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency U. S. Department of the Interior

Parent Agency Subelements Bureau of Mines

Subordinate organizations   

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment radon daughter test chamber, borehole mining equipment and monitors, microseismic measuring equipment, etc.

Comments A uranium mine near Uravan Colorado is used as a research facility by Denver for evaluation of instrumentation and control methods

Date June 9, 1982

Federal Laboratory Information Sheet

Name of Facility Spokane Mining Research Center  
Location Spokane, Washington  
Name of Director Research Director - Doug Bolstad  
Name, address and phone number of Research and Technology Applications Contact Phone 509/484-1610, Tom Brady, E. 315 Montgomery Avenue, Spokane, WA 99207  
Major mission of facility To further the science and technology of artificial stabilization of underground openings and the use and disposal of mineral waste, both surface and underground.

Personnel as of 12/31/80: Professional 59 All other 31

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency U. S. Department of the Interior

Parent Agency Subelements Bureau of Mines

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Radon monitors and detectors, contouring bulldozer blades, strain gages and stress monitors, roof bolt systems etc.

Comments   

Date June 9, 1982

## Federal Laboratory Information Sheet

Name of Facility Avondale Metallurgy Research Center  
 Location College Park, Maryland  
 Name of Director Research Director - William Campbell  
 Name, address and phone number of Research and Technology Applications Contact Phone 301/436-7542, Stephen Law, 4900 LaSalle Road, Avondale, MD 20782  
 Major mission of facility Secondary resource recovery is the primary effort of the center, including the recovery of values from metal scrap and urban refuse. Other research involves studies directed toward providing understanding of surface phenomena in froth flotation, investigations of corrosion (including corrosion by geothermal brines), electrodeposition of metals, and the engineering analysis of metallurgical processes. The Particulate Mineralogy Unit, representing the focal point for expertise on particulate minerals having potential adverse environmental effects, is located here.

Personnel as of 12/31/80: Professional 50 All other 36

Percent of effort expended in

90 Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency U. S. Department of the Interior

Parent Agency Subelements Bureau of Mines

Subordinate organizations   

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Two pilot plants are used in recovering and recycling urban refuse and metallurgical wastes; electron spectroscopy used in alloy strengthening analysis tests, etc.

Comments   

Date June 9, 1982

## Federal Laboratory Information Sheet

Name of Facility Reno Metallurgy Research Center  
 Location Reno, Nevada  
 Name of Director Research Director--Art Columbo  
 Name, address and phone number of Research and Technology Applications Contact Phone 702/784-5363, Bob Lewis, Reno Research Center, 1605 Evans Avenue, Reno, NV 89512  
 Major mission of facility The Reno Metallurgy Research Center conducts research in the extraction and refining of metals by hydrometallurgical and fused-salt electrolysis techniques. Process metallurgy investigations are concerned with rare-earth metals; silver, gold, and platinum; metals of importance in nuclear-power generation; and both minerals and metals from geothermal brines.

Personnel as of 12/31/80: Professional 43 All other 33

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency U. S. Department of the Interior

Parent Agency Subelements Bureau of Mines

Subordinate organizations   

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Solvents, leachants and other extractive chemicals, metals separation and extraction equipment, etc.

Comments An alumina miniplant is also used for researching techniques for recovery of alumina from domestic nonbauxitic resources

Date June 9, 1982

## Federal Laboratory Information Sheet

Name of Facility Rolla Metallurgy Research Center  
 Location Rolla, Missouri  
 Name of Director Research Director - L. Neumeier (Acting)  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 Phone 314/364-3169, Jim Stephenson, P. O. Box 280, 1300 Bishop Ave., Rolla, MO 65401  
 Major mission of facility Research at the Rolla Metallurgy Research Center is directed to improvements in process metallurgy of lead and zinc ores, recovery of values from scrap and metallurgical wastes, new soldering and brazing technology, and improved metal alloys.

Personnel as of 12/31/80: Professional 31 All other 34

Percent of effort expended in

197 Research and Development ; Testing ; Other   

Relationship to other organizations

Parent Agency U. S. Department of the Interior

Parent Agency Subelements Bureau of Mines

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Equipment used in chromium recovery from solutions, soldering and brazing materials, spent etchants recycling equipment, etc.

Comments \_\_\_\_\_

Date June 9, 1982

## Federal Laboratory Information Sheet

Name of Facility Tuscaloosa Metallurgy Research Center  
 Location Tuscaloosa, Alabama  
 Name of Director Research Director - Martin Stanczyk  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 Phone 205/758-0491, Ignatz Feld, P. O. Box L, University, AL 35486 (Tuscaloosa Research Center  
 Major mission of facility Tuscaloosa is the Bureau's major location for investigations of nonmetallics. The board program includes research on minerals beneficiation, dewatering slimes, and developing new or improved ceramic and refractory materials. Also, a cooperative program with a number of State Geological Surveys is underway to test and evaluate potential uses for clay and shale samples from their respective States.

Personnel as of 12/31/80: Professional 25 All other 28

Percent of effort expended in

Research and Development ; Testing ; Other   

Relationship to other organizations

Parent Agency U. S. Department of the Interior

Parent Agency Subelements Bureau of Mines

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Flocculation equipment, benefiation equipment, materials for use in dewatering process etc.

Comments \_\_\_\_\_

Date June 9, 1982

Federal Laboratory Information Sheet

Name of Facility Boulder City Metallurgy Engineering Laboratory

Location Boulder City, Nevada

Name of Director Research Chief, Bill Stephens

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Phone 702/784-5363, Bob Lewis, Reno Research Center, 1605 Evans Ave., Reno, NV 89512

Major mission of facility The Boulder City Laboratory operates an experimental miniplant for recovering metallurgical-grade alumina from domestic resources. Testing is also conducted on sulfur utilization.

Personnel as of 12/31/80: Professional 26 All other 9

Percent of effort expended in

60 Research and Development ; Testing ; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U. S. Department of the Interior

Parent Agency Subelements Bureau of Mines

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated        Leased & government operated X

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment Sulfur concrete mixing and casting equipment; extraction chemicals; separation of minerals equipment etc.

Comments \_\_\_\_\_

Date June 9, 1982

Federal Laboratory Information Sheet

Name of Facility Engineering and Research Laboratory

Location Denver, CO

Name of Director Dr. Francis G. McLean, Chief

Name, address and phone number of Research and Technology Applications Contact B.J. Brink, Research Coordinator & Program Officer, Div. of Res., Code D-1500B, Bureau of Reclamation, Denver Federal Center, Denver, CO 80225 303-234-3549 FTS 234-3549

Major mission of facility Provides research and testing services for Bureau of Reclamation including quality control labs in seven regional offices, in water quality and ecology; water quantity and measurement control; concrete and structural hydraulics; electric power, geotechnical materials and instruments; dam safety; and advanced applications

Personnel as of 12/31/80: Professional 130 All other 100 Total 230

Percent of effort expended in

Research and Development 25 Testing 55 Other 20

Relationship to other organizations

Parent Agency DoI

Parent Agency Subelements Bureau of Reclamation

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated       

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment Mobile electric power test lab; 5 million tension and compression testing machine; geotechnical test machines

Comments \_\_\_\_\_

Date 82-10-29

Federal Laboratory Information Sheet

Name of Facility Denver Wildlife Research Center

Location Denver, CO

Name of Director \_\_\_\_\_

Name, address and phone number of Research and Technology Applications Contact  
Richard D. Curnow, Assistant Director, Federal Center, Building 16, Denver, CO 80225  
303-234-2283 FTS 234-2283

Major mission of facility \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 208

Percent of effort expended in

Research and Development 75; Testing \_\_\_\_\_; Other 25

Relationship to other organizations

Parent Agency DoI

Parent Agency Subelements Fish and Wildlife Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_  
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Comments \_\_\_\_\_  
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\_\_\_\_\_

Date 82-10-29

Federal Laboratory Information Sheet

Name of Facility Patuxent Wildlife Research Center

Location Laurel, MD

Name of Director John G. Rogers, Acting Director

Name, address and phone number of Research and Technology Applications Contact  
John G. Rogers, Acting Director, Laurel, MD 20811 301-937-7211 FTS 937-7211

Major mission of facility \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 178

Percent of effort expended in

Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency DoI

Parent Agency Subelements Fish and Wildlife Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_  
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Comments \_\_\_\_\_  
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\_\_\_\_\_

Date 82-10-29

Federal Laboratory Information Sheet

Name of Facility National Fisheries Center - Leetown

Location Kearneysville, WV

Name of Director \_\_\_\_\_

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

James E. Weaver, Asst. Dir.-Research, Rt 3, Box 40, Kearneysville, WV 25430 FTS 925-5218

Major mission of facility \_\_\_\_\_

\_\_\_\_\_

Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 115

Percent of effort expended in

Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency DoI

Parent Agency Subelements Fish and Wildlife Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

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Comments \_\_\_\_\_

Date 82-10-29

Federal Laboratory Information Sheet

Name of Facility Columbia National Fishery Research Laboratory

Location Columbia, MD

Name of Director \_\_\_\_\_

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Richard J. Graham, Fishery Biologist, Rt. 1, Columbia, MO 65201 FTS 276-5399

Major mission of facility \_\_\_\_\_

\_\_\_\_\_

Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 97

Percent of effort expended in

Research and Development 90; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency DoI

Parent Agency Subelements Fish and Wildlife Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

Date 82-10-29

## Federal Laboratory Information Sheet

Name of Facility Great Lakes Fishery Laboratory

Location Ann Arbor, MI

Name of Director Joseph H. Kutkuhn, Director

Name, address and phone number of Research and Technology Applications Contact  
Joseph H. Kutkuhn, Dir., 1451 Green Road, Ann Arbor, MI 48105 FTS 378-1200

Major mission of facility

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 89

Percent of effort expended in

Research and Development 95 \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

DoI  
Parent Agency \_\_\_\_\_

Parent Agency Subelements Fish and Wildlife Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned &amp; operated \_\_\_\_\_ Leased &amp; government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_

Comments \_\_\_\_\_

Date 82-10-29

## Federal Laboratory Information Sheet

Name of Facility Northern Prairie Wildlife Research Center

Location Jamestown, ND

Name of Director \_\_\_\_\_

Name, address and phone number of Research and Technology Applications Contact  
Rey Stendall, Asst. Dir., P.O. Box 1747, Jamestown, ND 58401 FTS 783-6152

Major mission of facility

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 57

Percent of effort expended in

Research and Development 75 \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

DoI  
Parent Agency \_\_\_\_\_

Parent Agency Subelements Fish and Wildlife Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_

Date 82-10-29

Federal Laboratory Information Sheet

Name of Facility Seattle National Fishery Research Center

Location Seattle, WA

Name of Director Alfred C. Fox, Director

Name, address and phone number of Research and Technology Applications Contact  
Alfred C. Fox, Dir., Building 204, Naval Support Activity, Seattle, WA 98115 FTS 399-5960

Major mission of facility

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 53

Percent of effort expended in

Research and Development 95; Testing \_\_\_\_\_; Other \_\_\_\_\_

172

Relationship to other organizations

Parent Agency DoI

Parent Agency Subelements Fish and Wildlife Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment

\_\_\_\_\_  
\_\_\_\_\_  
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Comments \_\_\_\_\_

Date 82-10-29

Federal Laboratory Information Sheet

Name of Facility National Fishery Research Laboratory - LaCrosse

Location LaCrosse, WI

Name of Director \_\_\_\_\_

Name, address and phone number of Research and Technology Applications Contact  
Donald C. Hales, Asst. Dir., P.O. Box 818, LaCrosse, WI 54601 FTS 364-3212

Major mission of facility

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 41

Percent of effort expended in

Research and Development 95; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency DoI

Parent Agency Subelements Fish and Wildlife Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_

Date 82-10-29

## Federal Laboratory Information Sheet

Name of Facility National Wildlife Health LaboratoryLocation Madison, WI

Name of Director \_\_\_\_\_

Name, address and phone number of Research and Technology Applications Contact James J. Kennelly, Asst. Director, 1655 Linden Drive, University of Wisconsin, Madison, WI 53706 FTS 364-5411Major mission of facility \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 30Percent of effort expended in  
Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency DOIParent Agency Subelements Fish and Wildlife Service

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned &amp; operated \_\_\_\_\_ Leased &amp; government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_Date 82-10-29

## Federal Laboratory Information Sheet

Name of Facility USGS Central RegionLocation Denver, COName of Director John McLaurin, Chief (Rocky Mt. Mapping Center)FTS:  
234-2351Name, address and phone number of Research and Technology Applications Contact John McLaurin, MS 511, Box 25046, Denver Federal Center, Denver, CO 80225 303-234-2351Major mission of facility Performs surveys, investigations and research covering topography, geology and the mineral and water resources of the 11 states in the central region of U.S. Classifies land as to mineral character and water and power resources and publishes and disseminates data relative to these activities  
\_\_\_\_\_  
\_\_\_\_\_Personnel as of 12/31/80: Professional \_\_\_\_\_ All other \_\_\_\_\_ Total 14500Percent of effort expended in  
Research and Development 20; Testing \_\_\_\_\_; Other 80

Relationship to other organizations

Parent Agency DOIParent Agency Subelements USGS - Assistant Secretary for Energy and Minerals

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Seismological laboratory facilities  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_Date 82-11-01

Federal Laboratory Information Sheet

Name of Facility USGS Western Region

Location Menlo Park, CA

Name of Director Dr. Dallas L. Peck, Director

Name, address and phone number of Research and Technology Applications Contact  
Georgy Grye, Directors Representative, 345 Middlefield Road, Menlo Park, CA 94025  
415-323-8111 x-2917 FTS 467-2917

Major mission of facility Performs research in geology, geophysics, water resources, topographic mapping and produces reports in these categories. Special attention is given to earthquake research and the geology and resources of western U.S., Alaska, Hawaii and the Pacific Trust Territories

Personnel as of 12/31/80: Professional 2206 All other 1470 Total 3676

Percent of effort expended in

Research and Development 60; Testing       ; Other 40

Relationship to other organizations

Parent Agency DoI

Parent Agency Subelements USGS

Subordinate organizations Numerous Field Stations

Type of Operation

Government owned & operated X Leased & government operated       

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment Carbon-14 radiocarbon dating lab; seismograph networks

Comments State totals used as basis for staff total

Date 82-10-29

Federal Laboratory Information Sheet

Name of Facility USGS National Center

Location Reston, VA

Name of Director Dr. Dallas Peck, Director, USGS

Name, address and phone number of Research and Technology Applications Contact         
Dr. Ethan T. Smith, 105, National Center, Reston, VA 22092 703-860-7811

Major mission of facility Perform surveys, investigations and research covering topography, geology and the mineral and water resources of the U.S.; classify land as to mineral character and water and power resources; and publish and disseminate data relative to these activities.

Personnel as of 12/31/80: Professional 2000 est. All other 1000 est Total 3000

Percent of effort expended in

Research and Development 35; Testing       ; Other 65

Relationship to other organizations

Parent Agency DoI

Parent Agency Subelements USGS

Subordinate organizations       

Type of Operation

Government owned & operated X Leased & government operated       

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment       

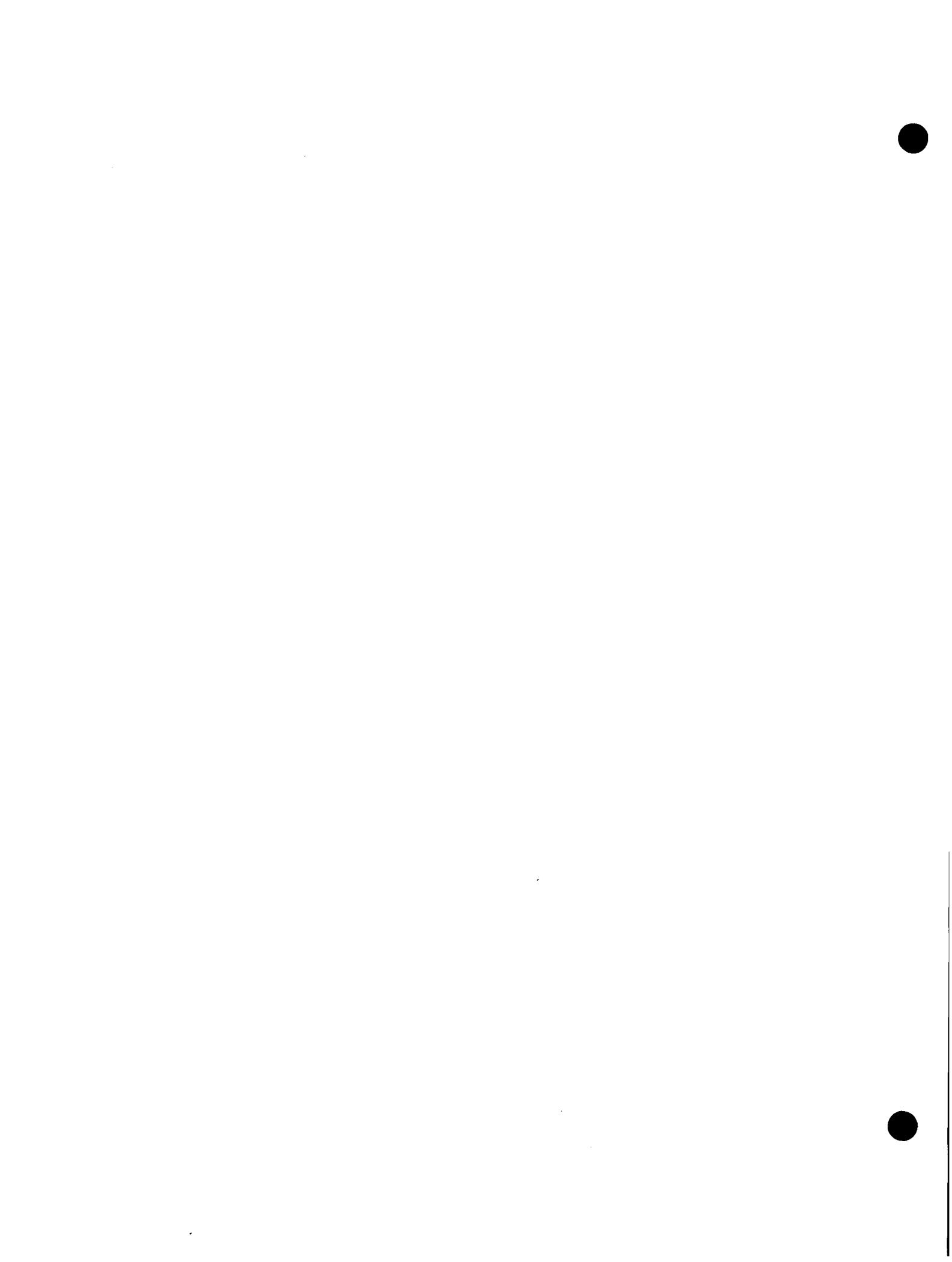
Comments USGS does not engage in laboratory function as often conceived

Technology is used to produce soft products.

Date 82-10-29

**DEPARTMENT OF JUSTICE**

DOJ



Federal Laboratory Information Sheet

Name of Facility Federal Bureau of Investigation Laboratory

Location John Edgar Hoover FBI Building, 9th and Pennsylvania Ave., NW, Wash., D.C. 20535

Name of Director James H. Geer, Assistant Director, FBI

Name, address and phone number of Research and Technology Applications Contact Cecil Yates,

Unit Chief, Forensic Science Research and Training Unit, FBI Academy, Quantico, Va. 22135

(703) 640-6131

Major mission of facility Examination of physical evidence in criminal and civil matters

for the FBI and other Federal Agencies and examination of physical evidence in criminal

matters for duly constituted state and local law enforcement agencies with possible

subsequent testimony to results in court.

9/1/82

Personnel as of 12/31/80 Professional 252 All other 177

Percent of effort expended in

Research and Development 10%; Testing       ; Other 90% (Case examination,  
photo processing,  
construction of courtroom  
models, etc.)

Relationship to other organizations

Parent Agency Federal Bureau of Investigation

Parent Agency Subelements

Subordinate organizations

Type of Operation

Government owned & operated  Leased & government operated       

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment Full range of highly sophisticated

Laboratory equipment and instruments for identification and comparison of a wide  
variety of physical evidence.

Comments

Date 9/8/82

8/1/82



**DEPARTMENT OF  
TRANSPORTATION**

**DOT**



## Federal Laboratory Information Sheet

Name of Facility Federal Aviation Administration Technical CenterLocation Atlantic City Airport, New Jersey 08405Name of Director Edmund J. Koenke, DirectorName, address and phone number of Research and Technology Applications Contact  
Larry Williams, Deputy Director (609) 641-8200 ext. 3653  
FAA Technical Center, Atlantic City Airport, New Jersey 08405Major mission of facility Advance Civil Aviation Safety through engineering, development, testing, and evaluation of projects involving air traffic control, communications, navigation, aircraft and airports. These include the long-range development of new concepts, systems, equipment, and techniques which are expected to be placed in service in the near future; as well as modifications to the existing systems and procedures.Personnel as of 12/31/80: Professional 488 All other 555

Percent of effort expended in

Research and Development 72%; Testing 17%; Other 11%

Relationship to other organizations

Parent Agency Federal Aviation AdministrationParent Agency Subelements Associate Administrator for Development and Logistics

Subordinate organizations

Type of Operation

Government owned & operated xxx Leased & government operated       Government owned & contractor operated        Contractor owned & operated       Major scientific and/or testing equipment The Center's Air Traffic Control Simulation Facility can duplicate on laboratory radar displays the air traffic operations any place in the world to enable complex air traffic problem solving simulations in the lab, and the automation laboratories develop and test automated air traffic control hardware and software. One lab duplicates an en route center, another airport terminal operations, and a third is dedicated to development of new automated systems.  
Comments NoneDate 9-27-82

## Federal Laboratory Information Sheet

Name of Facility Transportation Systems CenterLocation Kendall Square, Cambridge, MA 02142Name of Director Dr. James CostantinoName, address and phone number of Research and Technology Applications Contact  
R. V. Giangrande, Chief, Office of Technology Sharing, DFS-31, DOT/Transportation Systems Center, Kendall Square, Cambridge, MA 02142. Tel. no. 617-494-2486Major mission of facility To conduct research, development and testing programs in all modes of transportation and transfer results to state/local governments.Personnel as of 12/31/80: Professional 400 All other 200

Percent of effort expended in

Research and Development 80; Testing 15; Other 5

Relationship to other organizations

Parent Agency U. S. Department of TransportationParent Agency Subelements Research and Special Programs Administration

Subordinate organizations

Type of Operation

Government owned & operated  Leased & government operated       Government owned & contractor operated        Contractor owned & operated       Major scientific and/or testing equipment Extensive and varied computer facilities, tire test facility, vehicle performance test facility, material evaluation lab.

Comments

Date Sept. 29, 1982

Federal Laboratory Information Sheet

Name of Facility Transportation Test Center  
Location Pueblo, Colorado  
Name of Director Dr. Donald L. Spanton, Associate Administrator for R&D  
Name, address and phone number of Research and Technology Applications Contact Dr. Donald L. Spanton, 400 Seventh Street, S. W., Washington, D. C. 20590 (202)426-9601  
Major mission of facility Test and evaluation of track components and rolling stock for railroad and transit industries.

Personnel as of 12/31/80: Professional 250 All other 150

Percent of effort expended in  
Research and Development 10; Testing 90; Other   

182

Relationship to other organizations

Parent Agency Federal Railroad Administration  
Parent Agency Subelements Office of Research and Development  
Subordinate organizations   

Type of Operation  
Government owned & operated    Leased & government operated X  
Government owned & contractor operated    Contractor owned & operated     
Major scientific and/or testing equipment Rail Dynamics Laboratory with two large machines to test full-scale locomotives, transit vehicles, and railcars; electrified track; various other tracks; components test laboratory with extensive instrumentation.  
Comments Effective 1 October 1982, the Association of American Railroads will become the operating contractor with approximate total staff of 200 employees. Future annual budget in \$6-8 Million range.  
Date 16 September 1982

Federal Laboratory Information Sheet

Name of Facility Fairbank Highway Research Station  
Location 6300 Georgetown Pike, McLean, Virginia  
Name of Director M. E. Wood Associate Administrator for Research, Development, and Technology  
Name, address and phone number of Research and Technology Applications Contact R. J. Betsold, Director, Office of Implementation (HRT-1) FHWA, Washington, D.C. 20590 703-285-2034  
Major mission of facility Conduct highway research, development and technology transfer activities. Major areas related to highways include: safety, traffic operations, environment, materials, structures, construction and maintenance.

Personnel as of 12/31/81: Professional 150 All other 50 Total 200

Percent of effort expended in  
Research and Development 80; Testing   ; Other 20 (Technology Transfer)

Relationship to other organizations

Parent Agency U.S. Department of Transportation  
Parent Agency Subelements Federal Highway Administration  
Subordinate organizations Offices of Research, Development, and Technology

Type of Operation  
Government owned & operated XX Leased & government operated     
Government owned & contractor operated    Contractor owned & operated     
Major scientific and/or testing equipment Wind tunnel, materials and structures testing laboratories, human factors test equipment including highway driving simulator (1983) and pupillometer, and hydraulics laboratory (1983).  
Comments New building to be completed early calendar 1983 will increase laboratory test capabilities.  
Date September 16, 1982

Federal Laboratory Information Sheet

Name of Facility Federal Aviation Administration (FAA) Civil Aeromedical Institute  
Location Aeronautical Center, Oklahoma City, Oklahoma  
Name of Director J. Robert Dille, M.D., Chief  
Name, address and phone number of Research and Technology Applications Contact J. Robert Dille  
Major mission of facility Conduct medical research applicable to the FAA's mission; develop, maintain and manage systems for the medical examination and certification of airmen, and aviation medical education programs to meet agency needs; provide and administer agency employee health programs.

Personnel as of 12/31/80: Professional 125 All other 75

Percent of effort expended in

Research and Development 50; Testing 40; Other 10

Relationship to other organizations

Parent Agency FAA - Office of Aviation Medicine

Parent Agency Subelements FAA - Regional Flight Surgeon Offices

Subordinate organizations ATC - Facility Medical Offices

Type of Operation

Government owned & operated Leased & government operated XX

Government owned & contractor operated Contractor owned & operated

Major scientific and/or testing equipment Pressure (altitude) chambers, acceleration track for testing seats, animal labs for testing effects of radiation, pesticides, drugs, and other such substances on health and performance capabilities, biochemical lab for analysis of materials gathered during accident investigation, physiological and behavioral testing equipment for use in research activities.

Date 9/16/82

Federal Laboratory Information Sheet

Name of Facility U.S. COAST GUARD RESEARCH & DEVELOPMENT CENTER  
Location Avery Point Groton, CT 06340  
Name of Director CAPT. K.D. URFER  
Name, address and phone number of Research and Technology Applications Contact M.J. D'Angelo, ASST. Director Administration And Svcs. Avery Point, Groton CT 06340  
Major mission of facility Conduct applied research and development, and test, and evaluate operational techniques, concepts, etc.

Personnel as of 12/31/80: Professional 70 All other 78

Percent of effort expended in

Research and Development 50%; Testing 50%; Other 0

Relationship to other organizations

Parent Agency HDQTRS. DEPT. OF TRANSPORTATION

Parent Agency Subelements U.S. COAST GUARD

Subordinate organizations

Type of Operation

Government owned & operated Leased & government operated XX

Government owned & contractor operated Contractor owned & operated

Major scientific and/or testing equipment Synthetic Line testing facility, Solar Power Systems Tests, 50 Meter Light Tunnel, Optics Laboratory write radiometric, photometric, and color metric instruments, Micro Processers, Computers (Desk Models). Software, NBS Smoke density chamber, Radiant Panel Flammability Test apparatus, Full Scale Fire Testing, Oil Identification, automated fluorescence spectrophotome, Identification Luminescence Monitor, Mobile Laboratory, Liquid Chromatograph, Fluorescence/Absorption Spectrometer, Fourier Transform Infrared Spectrometer, Computerized Gas Chromatograph Vreeland Spectroscopic, Organic Vapor Analyzer, towed fluorometer  
9-17-82 Mass Spectrometer, Microwave tracking system.

Federal Laboratory Information Sheet

Name of Facility Vehicle Research and Test Center

Location East Liberty, Ohio

Name of Director Robert L. Carter, Director

Name, address and phone number of Research and Technology Applications Contact James E. Hofferberth, VRTC, P.O. Box 37, East Liberty, Ohio 43319

Major mission of facility Motor vehicle safety studies including crash avoidance, crash survival, pedestrian crash survival, the biomechanics of crash impact injuries, and the investigation of safety related defects in motor vehicles

Personnel as of 12/31/80: Professional 20 All other 14

Percent of effort expended in

**18**  
Research and Development 80%; Testing 20%; Other   

Relationship to other organizations

Parent Agency National Highway Traffic Safety Administration

Parent Agency Subelements Research and Development

Subordinate organizations   

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Barrier and Vehicle-to-Vehicle Crash Test Facility

750,000 pound thrust crash impact simulator, 7-1/2 mile high speed test track, 50-acre vehicle dynamics area, 8100 acre test site for off road test work.

Comments   

Date 9-20-82

**ENVIRONMENTAL  
PROTECTION AGENCY**

**EPA**



Federal Laboratory Information Sheet

Name of Facility Health Effects Research Laboratory  
Location Research Triangle Park, NC.

Name of Director Dr. F. Gordon Hueter

Name, address and phone number of Research and Technology Applications Contact  
Mr. R. Boksleitner, USEPA, Research Triangle Park, NC 27711 919-541-2611 FTS 629-2611

Major mission of facility Human health studies and other biological research to determine the health impacts of exposure to air pollutants, water pollutants, pesticides, toxic substances and non-ionizing radiation.

Personnel as of 12/31/80: Professional 152 All other 176 Total 328

Percent of effort expended in  
Research and Development 95; Testing 5; Other 0

Relationship to other organizations

Parent Agency U.S. Environmental Protection Agency

Parent Agency Subelements Office of Research and Development

Subordinate organizations

Type of Operation

Government owned & operated  Leased & government operated X

Government owned & contractor operated  Contractor owned & operated

Major scientific and/or testing equipment Laboratory and mobile facilities for testing the biological and physiological impacts of a wide range of pollutants on humans and animals; also, a highly-sophisticated laboratory equipment for identifying and measuring minute quantities of pollutants in both organic and inorganic materials.

Comments

Date 4/9/81

Federal Laboratory Information Sheet

Name of Facility Municipal Environmental Research Laboratory  
Location Cincinnati, Ohio

Name of Director Mr. Francis T. Mayo

Name, address and phone number of Research and Technology Applications Contact  
Office of the Director, USEPA/MERL, Cincinnati, Ohio 45268 513-684-7951

Major mission of facility Development of technology, systems, processes and improved management practices to prevent, control and treat pollutants that affect communities and municipalities. Included are the development and demonstration of cost-effective methods in the areas of sewage and wastewaters, solid and hazardous wastes, and public drinking water supplies.

Personnel as of 12/31/80: Professional 107 Full-time All other 54 Full-time

Percent of effort expended in  
Research and Development ; Testing ; Other

Relationship to other organizations

Parent Agency U.S. Environmental Protection Agency

Parent Agency Subelements Office of Research and Development

Subordinate organizations

Type of Operation

Government owned & operated XXX Leased & government operated

Government owned & contractor operated  Contractor owned & operated

Major scientific and/or testing equipment

Comments

Date 6/2/81

## Federal Laboratory Information Sheet

Name of Facility Industrial Environmental Research LaboratoryLocation Research Triangle Park, NC.Name of Director Fr. Frank T. Princiotta

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Mr. R. Biksleitner, USEPA, Research Triangle Park, N.C. 27711 919-541-2611 FTS 629-2611Major mission of facility Research on the environmental impacts of energy and industrial processes, and development of technology to control air and water pollution from electric power generating plants and other major stationary sources of pollution.Personnel as of 12/31/80: Professional 58 All other 75 Total 133

Percent of effort expended in

88 Research and Development 97; Testing \_\_\_\_\_; Other 3

Relationship to other organizations

Parent Agency U.S. Environmental Protection AgencyParent Agency Subelements Office of Research and Development

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated X

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Experimental furnaces (coal, gas, oil and wood burning), boilers, flue gas scrubbers and particulate control equipment used to develop and evaluate new technology for controlling air pollution.

Comments \_\_\_\_\_

Date 4/9/81

## Federal Laboratory Information Sheet

Name of Facility Environmental Sciences Research LaboratoryLocation Research Triangle Park, N.C.Name of Director Dr. Alfred H. Ellison

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Mr. R. Bokleitner, USEPA, Research Triangle Park, NC. 27711 919-541-2611 FTS 629-2611Major mission of facility Research on the effects of air pollution on the atmosphere (on urban, regional and global scales) and related impacts on air, water and land.Personnel as of 12/31/80: Professional 83 All other 49 Total 132

Percent of effort expended in

Research and Development 96; Testing \_\_\_\_\_; Other 4

Relationship to other organizations

Parent Agency U.S. Environmental Protection AgencyParent Agency Subelements Office of Research and Development

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated X

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Wide range of equipment for tracking, measuring, chemically analyzing and evaluating atmospheric pollutants. Includes mobile vans, laboratory and outdoor smog chambers, wind tunnel and fluid modeling facility.

Comments \_\_\_\_\_

Date 4/9/81

## Federal Laboratory Information Sheet

Name of Facility Environmental Monitoring Systems LaboratoryLocation Research Triangle Park, N.C.Name of Director Dr. Thomas R. Hauser

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Mr. R. Bokslleitner, USEPA, Research Triangle Park, NC 27711 919-541-2611 FTS 629-2611

Major mission of facility Develops and standardizes techniques for measuring pollutants and for defining air quality; develops special monitoring networks and studies; operates EPA's Air Monitoring Quality Assurance Program; and conducts the Agency's Fuel Additive Registration Program.Personnel as of 12/31/80: Professional 68 All other 58 Total 126

Percent of effort expended in

Research and Development 96; Testing   ; Other 3

Relationship to other organizations

Parent Agency U.S. Environmental Protection AgencyParent Agency Subelements Office of Research and Development

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated    Leased & government operated XGovernment owned & contractor operated    Contractor owned & operated   Major scientific and/or testing equipment Wide range of laboratory and field equipment for monitoring, measuring and analyzing air pollutants.Comments This laboratory also conducts EPA's Fuel Additive Registration Program and operates several nationwide air monitoring programs.Date 4/9/81

## Federal Laboratory Information Sheet

Name of Facility Environmental Monitoring Systems LaboratoryLocation Las Vegas, NevadaName of Director Mr. Glenn E. Schweitzer

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Mrs. Geneva Douglas, USEPA/EMSL, P.O. Box 15027, Las Vegas, NV 89114 702-736-2969

Major mission of facility Develops and optimizes methods, systems and strategies for monitoring the environment to assess the exposure of man and other receptors to pollutants in the environment. Also collects radiological surveillance data and performs pathways research to determine radiation exposure to man and his environment from the testing of nuclear devices.Personnel as of 12/31/80: Professional 88 Full-time All other 35 Full-time

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Environmental Protection AgencyParent Agency Subelements Office of Research and Development

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated XXX Leased & government operated   Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date 6/2/81

Federal Laboratory Information Sheet

Name of Facility Environmental Research Laboratory  
Location Corvallis, Oregon  
Name of Director Dr. Thomas A. Murphy  
Name, address and phone number of Research and Technology Applications Contact Ms. Karen Randolph, USEPA/ERL, 200 S.W. 35th Street, Corvallis, Or. 97330 503-757-4637  
Major mission of facility Research and technical assistance on the movement, transformation and fate of toxics and other environmentally-harmful substances within terrestrial ecosystems; on the pathways and mechanisms by which aquatic biota transform and accumulate toxics and other environmentally harmful substances within freshwater ecosystems; and on the field assessment of the effects of toxics and other environmentally harmful substances or factors on terrestrial and freshwater ecosystems.

Personnel as of 12/31/80: Professional 67 Full-time All other 17 Full-time

Percent of effort expended in

061 Research and Development Testing Other

Relationship to other organizations

Parent Agency U.S. Environmental Protection Agency

Parent Agency Subelements Office of Research and Development

Subordinate organizations

Type of Operation

Government owned & operated XXX Leased & government operated

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment

Comments

Date 6/2/81

Federal Laboratory Information Sheet

Name of Facility Environmental Research Laboratory  
Location Duluth, Minnesota  
Name of Director Dr. Norbert A. Jaworski  
Name, address and phone number of Research and Technology Applications Contact Office of the Director, USEPA/ERL, 6201 Congdon Blvd., Duluth, MN 55804 218-727-6692  
Major mission of facility Conducts research in aquatic toxicology methods; evaluates the predictive capability of these methods in natural surface waters; and provides toxicology data for use in developing methods to predict the effects of pollutants in the Great Lakes.

Personnel as of 12/31/80: Professional 62 Full-time All other 21 Full-time

Percent of effort expended in

Research and Development    Testing    Other   

Relationship to other organizations

Parent Agency U.S. Environmental Protection Agency

Parent Agency Subelements Office of Research and Development

Subordinate organizations

Type of Operation

Government owned & operated XXX Leased & government operated

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment

Comments

Date 6/2/81

## Federal Laboratory Information Sheet

Name of Facility Environmental Monitoring Support Laboratory  
 Location Cincinnati, Ohio  
 Name of Director Mr. Robert L. Booth  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 Office of the Director, USEPA/EMSL, Cincinnati, Ohio 45268 513-684-7301  
 Major mission of facility Development of analytical testing procedures and monitoring techniques for drinking water, ambient receiving waters, and municipal and industrial effluents.

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 Personnel as of 12/31/80: Professional 53 Full-time All other 26 Full-time

Percent of effort expended in  
 Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

## Relationship to other organizations

Parent Agency U.S. Environmental Protection Agency

Parent Agency Subelements Office of Research and Development

Subordinate organizations \_\_\_\_\_

## Type of Operation

Government owned & operated XXX Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date 6/2/81

## Federal Laboratory Information Sheet

Name of Facility Environmental Research Laboratory  
 Location Athens, Georgia  
 Name of Director Dr. David W. Duttweiler  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
 Office of the Director, USEPA/ERL, College Station Road, Athens, GA 30605 404-546-3134  
 Major mission of facility Research and development on analytical chemistry of pollutants; pollutant transport, transformation, and fate in water, sediment, and soil; control of agricultural or silvicultural non-point sources of water pollution; and environmental management to achieve water quality goals.

Personnel as of 12/31/80: Professional 55 Full-time All other 23 Full-time

Percent of effort expended in  
 Research and Development \_\_\_\_\_; Testing \_\_\_\_\_; Other \_\_\_\_\_

## Relationship to other organizations

Parent Agency U.S. Environmental Protection Agency

Parent Agency Subelements Office of Research and Development

Subordinate organizations \_\_\_\_\_

## Type of Operation

Government owned & operated XXX Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date 6/2/81

Federal Laboratory Information Sheet

Name of Facility Industrial Environmental Research Laboratory  
Location Cincinnati, Ohio  
Name of Director Dr. David G. Stephan  
Name, address and phone number of Research and Technology Applications Contact Alden G. Christianson, USEPA/IERL, Cincinnati, Ohio 45268 513-684-4247  
Major mission of facility Develops cost-effective techniques to prevent, control, or abate pollution impacts associated with the extraction, processing, conversion and use of mineral resources; with industrial processing and manufacturing; and with new energy technologies. Also identifies and assesses industrial, mining and energy-related sources of pollution and develops and demonstrates technology for its control.

Personnel as of 12/31/80: Professional 57 Full-time All other 17 Full-time

Percent of effort expended in

192 Research and Development ; Testing ; Other  

Relationship to other organizations

Parent Agency U.S. Environmental Protection Agency

Parent Agency Subelements Office of Research and Development

Subordinate organizations  

Type of Operation

Government owned & operated XXX Leased & government operated  

Government owned & contractor operated   Contractor owned & operated  

Major scientific and/or testing equipment  

Comments  

Date 6/2/81

Federal Laboratory Information Sheet

Name of Facility Robert S. Kerr Environmental Research Laboratory  
Location Ada, Oklahoma  
Name of Director Mr. Clinton Hall  
Name, address and phone number of Research and Technology Applications Contact Office of the Director, USEPA/RSKERL, P.O. Box 1198, Ada, Oklahoma 74820 405-332-8800  
Major mission of facility Research, development and demonstration activities related to ground water, treatment of waste water with soil and other natural systems, irrigated agriculture, animal production, petroleum refining, the petrochemical industry, and treatment of combined industrial or mixed industrial and municipal wastes.

Personnel as of 12/31/80: Professional 35 Full-time All other 20 Full-time

Percent of effort expended in

Research and Development ; Testing ; Other  

Relationship to other organizations

Parent Agency U.S. Environmental Protection Agency

Parent Agency Subelements Office of Research and Development

Subordinate organizations  

Type of Operation

Government owned & operated XXX Leased & government operated  

Government owned & contractor operated   Contractor owned & operated  

Major scientific and/or testing equipment  

Comments  

Date 6/2/81

## Federal Laboratory Information Sheet

Name of Facility Environmental Research LaboratoryLocation Narragansett, Rhode IslandName of Director Dr. Tudor T. Davies

Name, address and phone number of Research and Technology Applications Contact

Dr. C. S. Hegre, USEPA/ERL, South Ferry Road, Narragansett, R.I. 02882 401-789-1071Major mission of facility Research on the effects of pollutants on marine ecosystems.Personnel as of 12/31/80: Professional 35 Full-time All other 20 Full-time

Percent of effort expended in

Research and Development       ; Testing       ; Other       

## Relationship to other organizations

Parent Agency U.S. Environmental Protection AgencyParent Agency Subelements Office of Research and DevelopmentSubordinate organizations       

## Type of Operation

Government owned & operated XXX Leased & government operated       Government owned & contractor operated        Contractor owned & operated       Major scientific and/or testing equipment       Comments       Date 6/2/81

## Federal Laboratory Information Sheet

Name of Facility Environmental Research LaboratoryLocation Sabine Island, Gulf Breeze, FloridaName of Director Dr. Henry F. Enos

Name, address and phone number of Research and Technology Applications Contact

Office of the Director, USEPA/ERL, Sabine Island, Gulf Breeze, FL 35261 904-932-5311Major mission of facility Research on the exposure/effects relationships of hazardous organic pollutants in marine and estuarine ecosystems, and on the ecological impacts of pollutants derived from energy extraction, conversion, transmission and use.Personnel as of 12/31/80: Professional 28 Full-time All other 26 Full-time

Percent of effort expended in

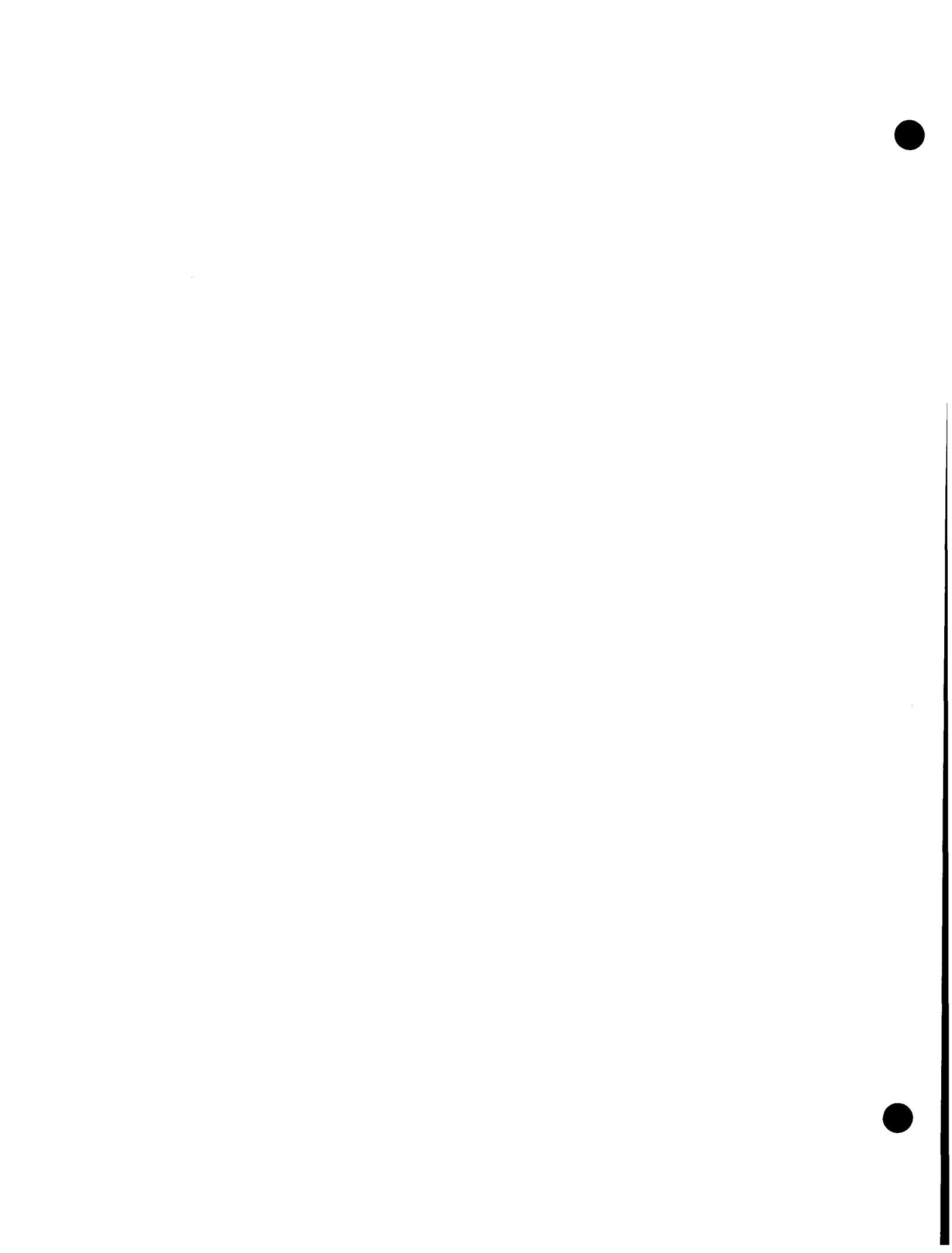
Research and Development       ; Testing       ; Other       

## Relationship to other organizations

Parent Agency U.S. Environmental Protection AgencyParent Agency Subelements Office of Research and DevelopmentSubordinate organizations       

## Type of Operation

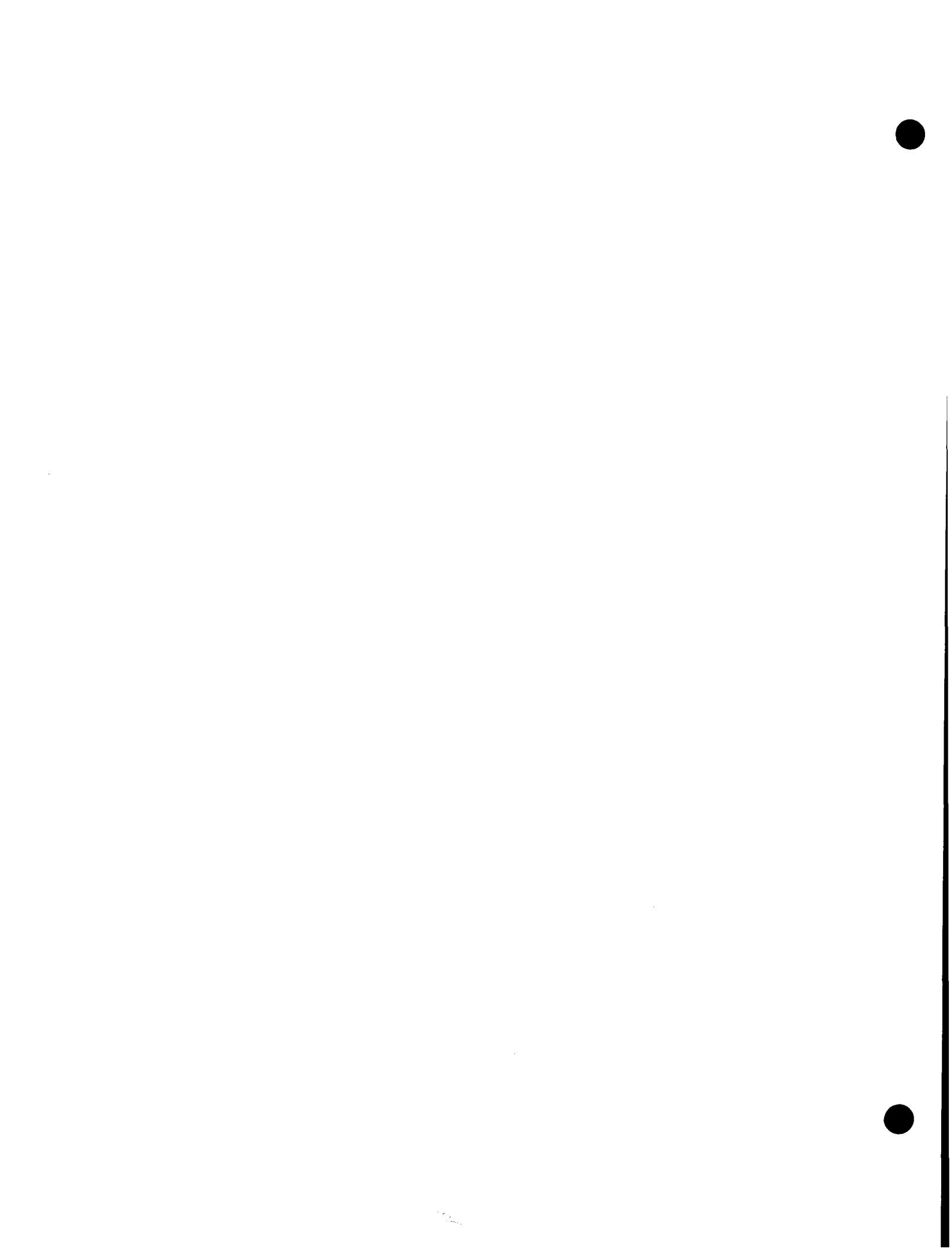
Government owned & operated XXX Leased & government operated       Government owned & contractor operated        Contractor owned & operated       Major scientific and/or testing equipment       Comments       Date 6/2/81



**HEALTH AND  
HUMAN SERVICES**

**H  
H  
S**

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**Federal Laboratory Information Sheet**

Name of Facility National Institutes of Health  
Location Bethesda, Maryland (and other locations as designated)  
Name of Director Dr. Philip S. Chen, Jr., Acting Deputy Director for Science  
Name, address and phone number of Research and Technology Applications Contact Dr. Philip S. Chen, Jr., Bldg. 1, Room 122, N.I.H., Bethesda, Md. 20205-Tel. (301) 496-192  
Major mission of facility To conduct basic and clinical biomedical research.  
(See individual Institute/Division sheets for more specific missions and data)

Personnel as of 12/31/80: Professional All other

Percent of effort expended in

Research and Development ; Testing ; Other

#### Relationship to other organizations

Parent Agency Department of Health and Human Services

## Parent Agency Subelements      Public Health Service

Subordinate organizations 10 Research Institutes and 3 Research Divisions have in-house laboratory programs.

**Type of Operation**

Government owned & operated  Leased & government operated

Government owned & contractor operated  Contractor owned & operated

**Major scientific and/or testing equipment** See individual Institute/Division sheets

## Comments

Date July 12, 1982

**Federal Laboratory Information Sheet**

Name of Facility NATIONAL CANCER INSTITUTE  
Location BETHESDA, MARYLAND 20205  
Name of Director DR. VINCENT T. DeVITA  
Name, address and phone number of Research and Technology Applications Contact Dr. Ihor Masnyk, Bldg. 31, Rm. 3A04, Bethesda, MD 20205 (301)496-3251  
Major mission of facility: To carry out comprehensive intramural and extramural programs in both laboratory and clinical research on cancer treatment; conducts program of basic research on Cancer Biology, Immunology, and diagnosis as well as application of above disciplines to studies in Metabolism, Dermatology and Pathology of Neoplastic Diseases; conducts research on the cause and natural history of cancer and methods of prevention.

Personnel as of 12/31/80: Professional 748 All other 858

Percent of effort expended in

Research and Development 99 : Testing 1 : Other 0

#### Relationship to other organizations

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Report Access Subelements PUBLIC HEALTH SERVICE

Subordinate organizations NATIONAL INSTITUTES OF HEALTH

#### Type of Operation

Government owned & operated        Leased & government operated

Government owned & contractor operated      Contractor owned & operated

major scientific and/or testing equipment: Extensive laboratory facilities and equipment, animal facilities and general services for biomedical research related to Cancer.

Comments \_\_\_\_\_

Date 23 JUNE 1982

## Federal Laboratory Information Sheet

Name of Facility NCI Frederick Cancer Research FacilityLocation Frederick, Maryland 21701Name of Director Dr. Peter Fischinger, Associate Director, NCIName, address and phone number of Research and Technology Applications Contact Dr. Berge Hampar, General Manager/Project Officer, NCI Frederick Cancer Research Facility, Ft. Detrick, Frederick, MD. 21701 -- AC301-695-1108

- Major mission of facility Research at the NCI Frederick Cancer Research Facility represents investigation and development by scientists in areas such as Biological Carcinogenesis, Chemical Carcinogenesis, Cancer Biology, Molecular Genetics, Biological Response Modifiers, and Therapeutic Agents.

\* Personnel as of 12/31/82: Professional 164 Contractor 664  
Intramural 104 All other 111

Percent of effort expended in

861 Research and Development 100; Testing   ; Other   

Relationship to other organizations

Parent Agency National Institutes of HealthParent Agency Subelements National Cancer InstituteSubordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   Government owned & contractor operated XX Contractor owned & operated   Major scientific and/or testing equipment Large scale fermentation pilot plant for production of chemotherapeutic agents.Comments \*Includes NINCDS and NIAIDDate 23 JUNE 1982

## Federal Laboratory Information Sheet

Name of Facility National Institute of Arthritis, Diabetes, and Digestive and Kidney DiseasesLocation Bethesda, MarylandName of Director Dr. Lester B. SalansName, address and phone number of Research and Technology Applications Contact (301) 496-3583  
Elizabeth Singer, Chief, Office of Health Research Reports, NIADDK, NIH, Bethesda, MD 20205

- Major mission of facility Conducts and supports research into the causes, prevention, diagnosis and treatment of arthritis, musculoskeletal and skin diseases; diabetes, endocrinology, and metabolic diseases; kidney, urologic, and hematologic diseases; and digestive diseases and nutrition.

05/29/82  
Personnel as of 12/31/82: Professional 348 All other 196  
(does not include Phoenix)

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency Department of Health and Human ServicesParent Agency Subelements National Institutes of HealthSubordinate organizations   

Type of Operation

Government owned & operated XX Leased & government operated   Government owned & contractor operated    Contractor owned & operated   Major scientific and/or testing equipment Usual chemical and physical equipment for comprehensive research in chemical physics, chemistry, biology and molecular biology.Comments   Date June 23, 1982

Federal Laboratory Information Sheet

Name of Facility: Neurology & Communicative Disorders Research Laboratories

Location: National Institute of Health, Bethesda, MD.

Name of Director: Dr. Thomas N. Chase, Intramural Research Program Director

Name, Address and phone number of Research and Technology Applications Contact  
Ms. Sylvia W. Shaffer, Chief, Office of Scientific & Health Reports, NINCDS.  
Building 31, Room 8A06, Bethesda, MD. 20205 (301) 496-5751

Major mission of facility: Conducts, fosters, coordinates, and guides research on the causes, prevention, diagnosis, and treatment of the Neurological and communicative disorders and strokes, and conducts basic research in related scientific disciplines.

Personnel as of 5/1/82: Professional 231 all other 270  
Above figures include personnel located at Frederick, MD, Woods Hole Ma., and Guam

Percent of effort expended in:

Research and Development 100, Testing   ; Other;   

Relationship to other organizations:

Parent Agency: DHHS

Parent Agency Subelements: PHS, NIH, NINCDS

Subordinate organizations: 16 Laboratories and Branches

Type of Operation: At Bethesda, MD.

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment: Electronics sending devices, amplifiers and records to study physiological events in the body. Equipment for all types of anatomical studies, light and electron microscopes and facilities for preparation of materials. Special equipment includes Positron Emission Tomography (PET) scanner, neuro-PET scanner. A moderate size cyclotron is due for installation by 1984. There are clinical labs with hot and cold rooms as required, animal facilities and isolation labs for studying viral diseases and immunological phenomena.

Date: 5/1/82

Federal Laboratory Information Sheet

Name of Facility: NINCDS Guam Research Center

Location: Tamuning, Guam

Name of Director: Dr. Thomas N. Chase, Director, Intramural Research Program, NINCDS

Name, address and phone number of Research and Technology Applications Contact:  
Ms. Sylvia W. Shaffer, Chief, Office of Scientific & Health Reports, NINCDS.  
Building 31, Room 8A06, 9000 Rockville Pike, Bethesda, Md. 20205.

Major mission of facility: Conduct neurological research and clinical as well as field studies on Guam and in the Western Pacific area to investigate the etiology, prevention and cure of acute and chronic diseases of the nervous system.

Personnel as of 5/1/82: Professional 2 All other 5  
(above figures do not include service and support personnel provided by Interagency Agreements.)

Percent of effort expended in

Research and Development 100; Testing   ; Other   

Relationship to other organizations:

Parent Agency: DHHS

Parent Agency Subelements: PHS, NIH, NINCDS, Intramural Research Program

Subordinate organizations

Type of Operation:

Government owned & operated    Leased & government operated X

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment: EEG, EMG, Freezers

Date: 5/1/82

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Federal Laboratory Information Sheet

Name and Facility: Laboratory of Central Nervous System Studies

Location: Frederick Cancer Research Center, Frederick, MD.

Name of Director: Dr. Carlton Gajdusek (Headquarters, NIH, Bethesda, MD)

Name, address and phone number of Research and Technology Applications Contract:  
Ms. Sylvia W. Shaffer, Chief, Office of Scientific and Health Reports, NINCDS  
Building 31, Room 8A06, Bethesda, MD. 20205.

Major mission of facility: Conducts multidisciplinary studies of specific infectious disorders of the central nervous system in man and animal directed at discerning the etiology of a variety of chronic subacute degenerative disorders of the CNS.

Personnel as of 5/1/82: Professional 6 all other 5  
(above figures do not include service and support personnel provided by contract.)

Percent of effort expended in:

Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations:

Parent Agency: DHHS

Parent Agency Subelements: PHS, NIH, NINCDS, Intramural Research Program

Subordinate organizations:

Type of Operation:

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated X Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment: Includes slow virus research and animal facilities.

Date: 5/1/82

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Federal Laboratory Information Sheet

Name of Facility: Laboratory of Biophysics

Location: Woods Hole, Ma.

Name of Director: Dr. William J. Adelman, Jr.

Name, address and phone number of research and Technology Applications Cont  
Ms. Sylvia W. Shaffer, Chief Office of Scientific & Health Reports, NINCDS.  
Building 31, Room 8A06, Bethesda, MD 20205

Major mission of facility: Conducts research concerning molecular cellular mechanisms responsible for excitation, membrane potentials, the generation of the nerve impulse, synaptic activity, the biophysical basis for the functioning of simple nervous system, and the cellular basis for such integrative neural functions as behavior and learning.

Personnel as 5/1/82: Professional: 9 All other 2,  
(figures do not include service and support personnel provided by contract.)

Percent of effort expended in

Research and Development: 100; Testing: \_\_\_\_\_; other \_\_\_\_\_

Relationship to other organizations:

Parent Agency: DHHS

Parent Agency Subelements: PHS, NIH, NINCDS, Intramural Research Program

Subordinate organizations:

Type of operation:

Government owned & operated: \_\_\_\_\_ Leased & Government operated \_\_\_\_\_

Government owned & Contractor operated \_\_\_\_\_ Contractor owned & operated X

Major scientific and/or testing equipment: Uses a variety of laboratory equipment applied to physical and Chemical techniques, and on-line and off-line digital computers.

Date: 5/1/82

Federal Laboratory Information Sheet

Name of Facility National Institute of Allergy and Infectious Diseases

Location Bethesda, Maryland

Name of Director Kenneth W. Sell, M.D., Ph.D.

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Kenneth W. Sell, M.D., Ph.D., NIH, NIAID, Bldg. 10, Rm. 11C103, Bethesda, MD 20205  
496-3006

Major mission of facility Undertake fundamental, applied and clinical research in the areas of allergy, infectious diseases, tropical medicine, immunological diseases, host host immunity, autoimmune diseases.

Personnel as of 12/31/80: Professional 270 All other 230

Percent of effort expended in

Research and Development 98; Testing \_\_\_\_\_; Other 2

Relationship to other organizations

Parent Agency Health and Human Services

Parent Agency Subelements Public Health Service

Subordinate organizations National Institutes of Health

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Complete facilities for the study of immunological and microbiological diseases, both at the basic level and in clinical research settings including modern equipment such as fluorescent activated cell sorter.

Comments FY 1980 budget, including overhead, approximately \$35 million (not including portion of Intramural Program located in Hamilton, Montana at the Rocky Mtn. Labs.).

Date June 9, 1982

Federal Laboratory Information Sheet

National Institute of Mental Health  
Intramural Research Program

Name of Facility \_\_\_\_\_

Location 9000 Rockville Pike, Bethesda, Maryland 20205

Name of Director Dr. Frederick K. Goodwin

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Dr. Frederick K. Goodwin, 9000 Rockville Pike, Bethesda, Maryland, (301) 496-3501.

Major mission of facility The NIMH Intramural Research Program integrates basic research on brain function and behavior with clinical studies of the major mental illnesses, such as the affective disorders and schizophrenia. Using multidisciplinary approaches the scientists investigate biological factors in mental illness, study behaviorally disturbed children, conduct research on schizophrenia and depression, and evaluate new pharmacological physiological and psychotherapeutic research paradigms aimed at improved treatment methods and prevention.

Personnel as of 6/30/82 : Professional 170 All other 260

Percent of effort expended in

Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency HHS

Parent Agency Subelements ADAMHA/NIMH

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment The Intramural Research Program has a wide range of equipment, laboratory and clinical facilities for the conduct of basic biomedical and clinical research.

Comments \_\_\_\_\_

Date 7/8/82

Federal Laboratory Information Sheet

Name of Facility National Institute of Environmental Health Sciences (NIEHS)

Location Research Triangle Park, N.C. 27709

Name of Director Dr. David P. Rall, Director/NIEHS and Director/National Toxicology Program

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Dr. Charles E. Carter, Scientific Director, NIEHS, Box 12233, RTP, N.C. 27709 (919)541-3205

Major mission of facility The NIEHS conducts and supports research on the effects of environmental agents on human health. This research serves the practical purpose of identifying toxic agents and improving understanding of the manner in which they cause cancer, birth defects, and other damage to human biological systems. This is the necessary first step in preventing disease. A significant portion of the NIEHS research effort goes into the National Toxicology Program (NTP) which is one of the primary mechanisms the Federal Government has to identify, characterize and test toxic chemicals, and to develop realistic alternatives to the costly and time-consuming test methodologies now available.

Personnel as of 9/30/81: Professional 132\* All other 297\*

Percent of effort expended in

Research and Development 56%; Testing 36%; Other 8%

Relationship to other organizations

Parent Agency Department of Health and Human Services

Parent Agency Subelements Public Health Service

Subordinate organizations National Institutes of Health

Type of Operation

Government owned & operated X Leased & government operated X

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment N.A.

Comments \*Fulltime Permanent only. R&D budget for FY 1982 = \$86 million (estimate)

Date July 8, 1982

Federal Laboratory Information Sheet

Name of Facility National Institute of Child Health and Human Development

Location Bethesda, Maryland 20205

Name of Director Betty H. Pickett, Ph.D., Acting Director

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Benjamin E. Fulton, Deputy Executive Officer, Bg. 31, Room 2A11, NIH, (301)496-4121

Major mission of facility To conduct and support research on the reproductive, developmental and behavioral processes that determine the health of children, adults, families and populations. It administers a multidisciplinary program of research, research training and public information on population and on maternal, child and family health.

Personnel as of 04/15/82: Professional 147 All other 279

Percent of effort expended in

Research and Development 95; Testing 5; Other 5

Relationship to other organizations

Parent Agency Department of Health and Human Services

Parent Agency Subelements Public Health Service

Subordinate organizations National Institutes of Health

Type of Operation

Government owned & operated X Leased & government operated       

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment       

Comments       

Date 6/9/82

Federal Laboratory Information Sheet

Name of Facility National Heart, Lung, and Blood Institute  
Location Bethesda, Maryland 20205  
Name of Director Dr. Jack Orloff, Scientific Director, NHLBI  
Name, address and phone number of Research and Technology Applications Contact Larry Blaser, Chief, Research Reporting Section, NHLBI, Bldg. 31/4A21, Bethesda, MD 20205  
Telephone (301) 496-4236  
Major mission of facility Conducts and supports research to increase scientific knowledge of cardiovascular, pulmonary and certain hematologic diseases in order to define structural and functional abnormalities in these diseases so that more effective means of prevention, diagnosis and treatment can be developed. Basic research in biomedical sciences is emphasized.  
Personnel as of 12/31/80: Professional 180 All other 182

Percent of effort expended in  
Research and Development 100; Testing 0; Other 0

Relationship to other organizations

Parent Agency National Institutes of Health  
Parent Agency Subelements \_\_\_\_\_  
Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated XX Leased & government operated 0  
Government owned & contractor operated 0 Contractor owned & operated 0

Major scientific and/or testing equipment Basic laboratory instrumentation, etc.

Comments \_\_\_\_\_

Date June 8, 1982

Federal Laboratory Information Sheet

Name of Facility Division of Computer Research and Technology  
Location Bethesda, MD  
Name of Director Arnold W. Pratt, M.D.  
Name, address and phone number of Research and Technology Applications Contact L. Lee Manuel, Executive Officer, Rm. 3023, Bldg. 12A, 496-5206, NIH, Bethesda, MD  
Major mission of facility Provide research expertise in applied mathematics, physical sciences, computer related engineering and computer science. R&D in systems and software applications. Provide computer services.

5-31-82  
Personnel as of 12/31/80: Professional 182 All other 92

Percent of effort expended in  
Research and Development 60; Testing 0; Other 40

Relationship to other organizations

Parent Agency National Institutes of Health  
Parent Agency Subelements N/A  
Subordinate organizations N/A

Type of Operation

Government owned & operated X Leased & government operated 0  
Government owned & contractor operated 0 Contractor owned & operated 0

Major scientific and/or testing equipment \_\_\_\_\_

Comments \$31,000,000 for FY 1982

Date June 7, 1982

## Federal Laboratory Information Sheet

## Federal Laboratory Information Sheet

Name of Facility The Intramural Research Program of the National Institute of Dental Research

Location NIH Main Campus, Bethesda, MD 20205

Name of Director Marie U. Nylen, Director of Intramural Research

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Dr. Kenneth Lynn, Acting Chief, OSHR, NIDR, Bldg. 31, Rm. 2C34, Phone: 496-4261

Major mission of facility Basic and applied research to acquire a better understanding of biologic processes in health and disease and to develop new and improved approaches to the prevention, diagnosis, and therapy of oral diseases and disorders and the pain associated with such diseases and disorders.

Personnel as of 12/31/80: Professional 119 All other 147

Percent of effort expended in

Research and Development 100; Testing 0; Other 0

204

Relationship to other organizations

Parent Agency DHHS

Parent Agency Subelements USPHS

Subordinate organizations NIH, NIDR

Type of Operation

Government owned &amp; operated X Leased &amp; government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment None

Comments Intramural Programs - \$15,340,920.00 Contracts - \$236,119.00

Date June 8, 1982

Name of Facility Gerontology Research Center, National Institute on Aging

Location Baltimore City Hospitals, 4940 Eastern Ave., Baltimore, MD 21224

Name of Director Richard C. Greulich, Ph.D.

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
Daniel S. Rogers, Communications Officer, NIA Gerontology Research Center,  
Baltimore City Hospitals, Baltimore, MD 21224 (301) 396-9421

Major mission of facility Conducts research to obtain fundamental knowledge of the nature of the aging process; analyzes changes in the capacities of aging individuals; determines possible ways to prevent, slow down or compensate for loss of function in a variety of animal species, including man. Also serves as a center for the conduct of research and research training on a regional, national, and international level. Scientific disciplines represented include: biochemistry, biology, organic chemistry, microbiology, psychology, immunology, genetics, physiology, cardiology, endocrinology, and clinical medicine.

Personnel as of 3/82 : Professional 77 All other 161 Total 238

Percent of effort expended in

Research and Development 85; Testing 10; Other 5 (Estimated)

Relationship to other organizations

Parent Agency U.S. Department of Health and Human Services

Parent Agency Subelements National Institutes of Health

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned &amp; operated XX Leased &amp; government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment The Center has a wide range of regular and special equipment and facilities appropriate for the biomedical and other research underway. Special equipment includes both transmission and scanning EMs, NMRs, etc. Facilities include both open and closed animal colonies of rodents and other animals of known age.

Comments The total intramural budget obligation for FY 1981 was \$12.5 million.

(Personnel salaries and benefits-6,650,207; travel \$50,376).

Date June 9, 1982

## Federal Laboratory Information Sheet

Name of Facility Intramural Research Program, NEI  
 Location Bethesda, Maryland 20205  
 Name of Director Jin H. Kinoshita, Ph.D., Director, IRP  
 Name, address and phone number of Research and Technology Applications Contact (301) 496-3552  
Jin H. Kinoshita, Ph.D., Bldg. 41, 6A04, 9000 Rockville Pike, Rockville, MD. 20205  
 Major mission of facility A multifaceted approach to vision research uses tools of basic science to understand the function of various components of the eye as well as blinding eye diseases.

Personnel as of 12/31/80: Professional 126 All other 47

Percent of effort expended in

Research and Development   ; Testing   ; Other   

Relationship to other organizations

Parent Agency NIH

Parent Agency Subelements NEI

Subordinate organizations LVR, LSR, LMDB, CB

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments FY 82 - Budget - \$11,700 000

Date 6-8-82

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## Federal Laboratory Information Sheet

Name of Facility National Institute of Allergy and Infectious Diseases  
 Location Hamilton, Montana (Rocky Mountain Laboratories)  
 Name of Director Dr. Kenneth W. Sell  
 Name, address and phone number of Research and Technology Applications Contact Kenneth W. Sell, M.D., Ph.D., NIH, NIAID, Bldg. 10, Rm. 11C103, Bethesda, MD 20205 496-3006  
 Major mission of facility Conducts research on bacterial diseases including sexually transmitted diseases, investigation of persistent viral diseases, including slow virus diseases and study of arthropod borne microbial diseases.

Personnel as of 12/31/80: Professional 31 All other 97

Percent of effort expended in

Research and Development 95; Testing   ; Other 5

Relationship to other organizations

Parent Agency Health and Human Services

Parent Agency Subelements Public Health Service

Subordinate organizations National Institutes of Health

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Modern biochemical and biological laboratories for investigation of all aspects of microbial and biochemical aspects of infectious diseases, including a modern microscopy facility.

Comments Annual R&D budget including management fund and overhead costs for fiscal year 1980, approximately \$4.1 million.

Date June 9, 1982

**Federal Laboratory Information Sheet**

National Institute of Mental Health/Intramural Research Program  
Division of Special Mental Health Research

**Name of Facility** \_\_\_\_\_

**Location** William A. White Building, St. Elizabeths Hospital, Washington, D.C. 20032

**Name of Director** Dr. Richard Wyatt

**Name, address and phone number of Research and Technology Applications Contact** \_\_\_\_\_

Dr. Richard Wyatt, WAW-Room 536, St. Elizabeths Hospital, Washington, D.C. 20032, (202)574-757

**Major mission of facility** A clinical and basic research facility which primarily deals with the problem of schizophrenia, dementia, sleep, psychopharmacology neuroplasticity and aging.

206  
**Personnel as of 6/30/82 : Professional** 65 **All other** 55

**Percent of effort expended in**

Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

**Relationship to other organizations**

**Parent Agency** HHS

**Parent Agency Subelements** ADAMHA/NIMH

**Subordinate organizations** \_\_\_\_\_

**Type of Operation**

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

**Major scientific and/or testing equipment** The division has a wide range of normal and special equipment and facilities appropriate to the conduct of biomedical research.

**Comments** \_\_\_\_\_

**Date** 7/8/82

**Federal Laboratory Information Sheet**

**Name of Facility** Phoénix Clinical Research Section & Southwestern Field Studies Section

**Location** Phoenix, AZ

**Name of Director** Lester B. Salans, M.D.

**Name, address and phone number of Research and Technology Applications Contact** \_\_\_\_\_

Elizabeth Singer, Chief, Office of Health Research Reports, NIADDK, NIH, Bethesda, MD 20205  
(301) 496-3583 or 5877

**Major mission of facility** Conducts and supports research into the causes, prevention, diagnosis and treatment of diabetes mellitus in the Pima Indian population.

**5/29/82**  
**Personnel as of 12/31/80: Professional** 10 **All other** 6

**Percent of effort expended in**

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

**Relationship to other organizations**

**Parent Agency** Department of Health and Human Services

**Parent Agency Subelements** National Institutes of Health

**Subordinate organizations** National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases

**Type of Operation**

Government owned & operated XX Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

**Major scientific and/or testing equipment** Usual chemical and physical equipment for comprehensive research in chemical physics, chemistry, biology and molecular biology.

**Comments** \_\_\_\_\_

**Date** July 2, 1982

## Federal Laboratory Information Sheet

Name of Facility Center for Infectious Diseases (CID)Location Atlanta, GeorgiaName of Director Walter R. Dowdle, Ph.D.Name, address and phone number of Research and Technology Applications Contact  
Albert Balows, Asst. Dir. for Science, CID, CDC, Atlanta, GA 30333 (404) 329-3967Major mission of facility Plans, directs, and coordinates a national program of research and service on the identification, investigation, diagnosis, prevention, and control of infectious diseases.Personnel as of 12/31/80 Professional 571 All other 337  
9/22/81

Percent of effort expended in

Research and Development 40; Testing 20; Other 40

Relationship to other organizations

Parent Agency Centers for Disease Control

Parent Agency Subelements

Subordinate organizations

Type of Operation

Government owned & operated xxx Leased & government operated       Government owned & contractor operated        Contractor owned & operated       Major scientific and/or testing equipment Facilities for performing research and service work with bacterial, parasitic, mycotic, and viral infectious disease agents and vectors; including Class IV isolation laboratories for the most dangerous pathogens.

Comments

Date 5/25/82

## Federal Laboratory Information Sheet

Name of Facility Appalachian Laboratory for Occupational Safety and HealthLocation 944 Chestnut Ridge Road, Morgantown, West Virginia 26505Name of Director Dr. J. Donald MillarName, address and phone number of Research and Technology Applications Contact  
Mr. Robert Glenn, Acting Director, DRDS Phone: (304) 291-4474 FTS: 923-4474  
Dr. James Oppold, Director, DSR Phone: (304) 291-4595 FTS: 923-4595  
944 Chestnut Ridge Road, Morgantown, West Virginia 26505Major mission of facility         
To investigate the cause of workplace illness and accidents and determine if a substance, practice, or condition is a present or potential hazard. Also to perform research that recommends exposure limits to hazardous chemicals, physical agents, and processes.Personnel as of 12/31/81: Professional 110 All other 129

Percent of effort expended in

Research and Development 75; Testing 20; Other 5

Relationship to other organizations

Parent Agency Department of Health and Human Services, PHS  
Centers for Disease ControlParent Agency Subelements National Institute for Occupational Safety and HealthSubordinate organizations Division of Respiratory Disease Studies (DRDS)  
Division of Safety and Research (DSR)

Type of Operation

Government owned & operated X Leased & government operated       Government owned & contractor operated        Contractor owned & operated       Major scientific and/or testing equipment       

Comments

Date 5/27/82

Federal Laboratory Information Sheet

Name of Facility Clinical Chemistry Division, Center for Environmental Health (CEH)

Location Centers for Disease Control, Atlanta, Georgia 30333  
Physical location: Chamblee facilities, Building 17

Name of Director David D. Bayse, Ph.D., Director, Clinical Chemistry Division, CEH

Name, address and phone number of Research and Technology Applications Contact David D. Bayse, Ph.D., Clinical Chemistry Division, Centers for Disease Control, Atlanta, Georgia 30333; (404) 452-4152 (FTS: 236-4152)

Major mission of facility Responds to environmental and chemical emergencies occurring outside the workplace; provides technical assistance to States and localities in the prevention and control of environmental health; evaluates biochemical and immunochemical techniques, materials, and reagents used in public health laboratories; assists States and localities in establishing and maintaining prevention and control programs.

Personnel as of 12/31/80: Professional 46 All other 72

Percent of effort expended in

~~Research and Development~~ 50%; Testing 50%; Other 0

Relationship to other organizations

Parent Agency Centers for Disease Control, U.S. Public Health Service

Parent Agency Subelements Center for Environmental Health

Subordinate organizations 0

Type of Operation

Government owned & operated XX Leased & government operated 0

Government owned & contractor operated 0 Contractor owned & operated 0

Major scientific and/or testing equipment Advanced spectrometry, numerous gas chromatographs, High Performance Liquid Chromatography, Mass spectroscopy

Comments 0

Date May 20, 1982

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Federal Laboratory Information Sheet

Name of Facility Taft Facility - Biomedical and Behavioral Science

Location 4676 Columbia Parkway, Cincinnati, Ohio 45226

Name of Director Dr. J. Donald Millar

Name, address and phone number of Research and Technology Applications Contact Dr. Barry Johnson, Director, DBBS  
4676 Columbia Parkway, Cincinnati, Ohio 45226 Phone: (513) 684-8465 FTS: 684-8465

Major mission of facility Conducts laboratory research for the development of criteria for standards in the areas of toxicology, behavioral science, physiology, ergonomics, and the effects of physical agents; investigates problems created by technology requiring ameliorative action; develops medical criteria to assure workplace is not responsible for diminished health, functional capacity or life expectancy or works and develops means for identifying latent disease.

Personnel as of 12/31/81: Professional 96 All other 17

Percent of effort expended in

Research and Development 60; Testing 20; Other 20

Relationship to other organizations

Department of Health and Human Services, PHS

Parent Agency Centers for Disease Control

Parent Agency Subelements National Institute for Occupational Safety and Health

Subordinate organizations Division of Biomedical and Behavioral Science (DBBS)

Type of Operation

Government owned & operated X Leased & government operated 0

Government owned & contractor operated 0 Contractor owned & operated 0

Major scientific and/or testing equipment 0

Comments 0

Date 5/27/82

209/210

Federal Laboratory Information Sheet

Name of Facility Ridge Facility - Physical Sciences and Engineering Laboratory

Location 5555 Ridge Avenue, Cincinnati, Ohio 45213

Name of Director Dr. J. Donald Millar

Name, address and phone number of Research and Technology Applications Contact Mr. Walter Haag, Director, DPSE  
5555 Ridge Avenue, Cincinnati, Ohio 45213 Phone: (513) 684-4321 FTS 684-4321

Major mission of facility Develops and evaluates performance criteria for environmental monitoring and personal protective equipment; assesses control technology; conducts research and development into equipment and procedures for measurement and control of occupational health hazards; provides for equipment and analytical and sampling methods development and equipment calibration and operates quality control reference lab.

Personnel as of 12/31/81: Professional 89 All other 17

Percent of effort expended in

Research and Development 33; Testing 34; Other 33

Relationship to other organizations

Parent Agency Department of Health and Human Services, PHS  
Centers for Disease Control

Parent Agency Subelements National Institute for Occupational Safety and Health

Subordinate organizations Division of Physical Sciences and Engineering (DPSE)

Type of Operation

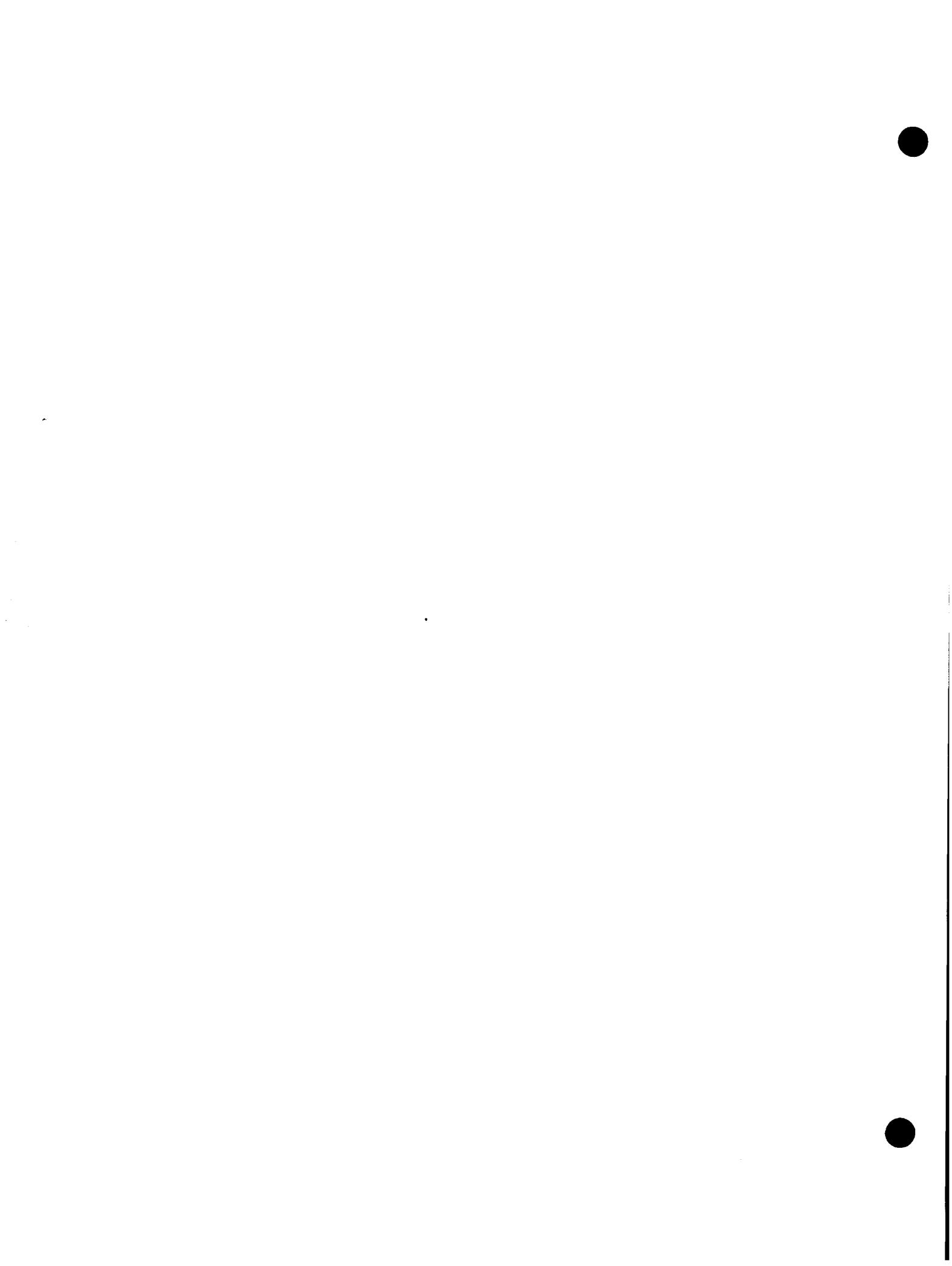
Government owned & operated        Leased & government operated X

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment

Comments

Date 5/27/82



**NATIONAL AERONAUTICS  
AND SPACE ADMINISTRATION**

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Federal Laboratory Information Sheet

Name of Facility Jet Propulsion Laboratory

Location Pasadena, California

Name of Director Mr. Bruce C. Murray

Name, address and phone number of Research and Technology Applications Contact

Mr. A. O. Smith, JPL, MS 180-801, Pasadena, CA 91109 (213) 354-4849 FTS 792-4849

Major mission of facility Planetary spacecraft development and mission operations, tracking and data acquisition for deep space operations, lunar/planetary science, upper atmosphere research, Earth and ocean dynamics

Personnel as of 9/30/80: Professional 2144 All other 1644 Total 3788  
(S&E) (Prof. & non-prof.)

Percent of effort expended in

**213** Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency National Aeronautics and Space Administration

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated \_\_\_\_\_ Leased & government operated \_\_\_\_\_

Government owned & contractor operated X Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Space Flight Operations Facility, Deep Space Network, Radio Telescope Facility

Comments \_\_\_\_\_

Date April 27, 1981

Federal Laboratory Information Sheet

Name of Facility George C. Marshall Space Flight Center

Location Marshall Space Flight Center, Alabama

Name of Director Dr. William R. Lucas

Name, address and phone number of Research and Technology Applications Contact

Mr. I. Akbay, MSFC, Mail Code A01, Marshall Space Flight Center, AL 35812  
205-453-2224 FTS 872-2224

Major mission of facility Man-rated launch vehicles, including the Shuttle main engines, external tank and solid rocket boosters, spacecraft including Spacelab and specialized automated spacecraft

Personnel as of 9/30/80: Professional 1982 All other 1581 Total 3593

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency National Aeronautics and Space Administration

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Neutral Buoyancy, Structures and Materials Laboratory

Comments \_\_\_\_\_

Date April 27, 1981

## Federal Laboratory Information Sheet

Name of Facility Lyndon B. Johnson Space CenterLocation Houston, TexasName of Director Dr. Christopher C. Kraft, Jr.

Name, address and phone number of Research and Technology Applications Contact

John T. Wheeler, JSC, Mail Code AT3, Houston, TX 77058 (FTS) 525-3809Major mission of facility Manned spacecraft, STS integration, mission and crew operations, life sciences, lunar and planetary geosciences, Earth resources survey

9/30/80

Personnel as of 9/30/80: Professional 2212 All other 1296 Total 3508  
(S&E) (Prof. & Non-prof.)

Percent of effort expended in

Research and Development 100%; Testing —; Other —

214

Relationship to other organizations

Parent Agency National Aeronautics and Space Administration

Parent Agency Subelements

Subordinate organizations

Type of Operation

Government owned & operated XX Leased & government operated —Government owned & contractor operated — Contractor owned & operated —Major scientific and/or testing equipment Space Environmental Simulation Laboratories, Mockup and Integration Laboratory

Comments

Date April 27, 1981

## Federal Laboratory Information Sheet

Name of Facility Goddard Space Flight CenterLocation Greenbelt, MarylandName of Director Mr. A. Thomas Young

Name, address and phone number of Research and Technology Applications Contact

Donald S. Friedman, GSFC, Mail Code 702.1, Greenbelt, MD 20771 (FTS) 344-6242Major mission of facility Earth Orbital spacecraft development and flight operations, tracking and data acquisition systems, Spacelab payloads, upper atmospheric research, space physics and astronomy payloads, information systems technology

9/30/80

Personnel as of 9/30/80: Professional 1707 All other 1729 Total 3436  
(S&E) (Prof. & Non-prof.)

Percent of effort expended in

Research and Development 100%; Testing —; Other —

Relationship to other organizations

Parent Agency National Aeronautics and Space Administration

Parent Agency Subelements

Subordinate organizations

Type of Operation

Government owned & operated XX Leased & government operated —Government owned & contractor operated — Contractor owned & operated —Major scientific and/or testing equipment Space Flight Tracking and Data Network, Spacecraft Magnetic Test Facility

Comments

Date April 27, 1981

## Federal Laboratory Information Sheet

Name of Facility Langley Research CenterLocation Hampton, VirginiaName of Director Dr. Donald P. Hearth

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

John Samos, LaRC, Mail Stop 139A, Hampton, VA 23665 (FTS) 928-3281Major mission of facility Long-haul aircraft technology, general aviation aircraft technology, acoustics and noise reduction, avionics technology, technology experiments in space

9/30/80

Personnel as of 12/31/80: Professional 1306 All other 1660 Total 2966  
(S&E) (Prof. & Non-prof.)

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency National Aeronautics and Space Administration

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated XX Leased & government operated   Government owned & contractor operated    Contractor owned & operated   Major scientific and/or testing equipment 8-Foot Transonic Pressure Tunnel,Transonic Dynamics Tunnel, National Transonic Facility (under construction)

Comments \_\_\_\_\_

Date April 27, 1981

## Federal Laboratory Information Sheet

Name of Facility Lewis Research CenterLocation Cleveland, OhioName of Director Dr. John F. McCarthy, Jr.

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Harrison Allen, Jr., LeRC, Mail Stop 7-3, Cleveland, OH 44135 (FTS) 294-6422Major mission of facility Air breathing, propulsion systems, launch vehicle procurement, STS upper stage, space propulsion systems technology, energy technology and applications, communications technology

9/30/80

Personnel as of 12/31/80: Professional 1238 All other 1584 Total 2822  
2 (S&E) (Prof. & Non-prof.)

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency National Aeronautics and Space Administration

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned & operated XX Leased & government operated   Government owned & contractor operated    Contractor owned & operated   Major scientific and/or testing equipment Propulsion Systems Laboratory, High TemperatureTurbine and Combustion Facility

Comments \_\_\_\_\_

Date April 27, 1981

## Federal Laboratory Information Sheet

Name of Facility John F. Kennedy Space Center  
 Location Kennedy Space Center, Florida  
 Name of Director Mr. Richard G. Smith  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
U. Reed Barnett, KSC, Mail Code PT-SPD, Kennedy Space Center, FL (FTS) 823-3017  
 Major mission of facility Check-out and launch of unmanned systems and manned systems, including STS  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

9/30/80  
 Personnel as of 12/31/80: Professional 1191 \_\_\_\_\_ All other 1010 \_\_\_\_\_ Total 2201  
 (S&E) (Prof. & Non-prof.)

Percent of effort expended in  
 Research and Development 100%; Testing   ; Other   

## Relationship to other organizations

Parent Agency National Aeronautics and Space Administration  
 Parent Agency Subelements \_\_\_\_\_  
 Subordinate organizations \_\_\_\_\_

## Type of Operation

Government owned & operated XX Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Launch Equipment Test Facility, Medical and Biomedical Facilities and Equipment  
 \_\_\_\_\_  
 \_\_\_\_\_

Comments \_\_\_\_\_  
 \_\_\_\_\_

Date April 27, 1981

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## Federal Laboratory Information Sheet

Name of Facility Ames Research Center  
 Location Moffett Field, California  
 Name of Director Mr. C. A. Svartson  
 Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_  
Ben Padrick, Ames Research Center, Mail Stop 240-2, Moffett Field, CA 94035 448-5554 (FTS)  
 Major mission of facility Fundamental aerodynamics, helicopter technology, flight simulation, military support, planetary mission operations, life sciences  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

9/30/80  
 Personnel as of 12/31/80: Professional 856 \_\_\_\_\_ All other 795 \_\_\_\_\_ Total 1651  
 (S&E) (Prof. & Non-prof.)

Percent of effort expended in  
 Research and Development 100%; Testing   ; Other   

## Relationship to other organizations

Parent Agency National Aeronautics and Space Administration  
 Parent Agency Subelements \_\_\_\_\_  
 Subordinate organizations \_\_\_\_\_

## Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment 40X80 Foot Wind Tunnel, C-141 Airborne Infrared Observatory  
 \_\_\_\_\_

Comments \_\_\_\_\_  
 \_\_\_\_\_

Date April 27, 1981

## Federal Laboratory Information Sheet

Name of Facility Hugh L. Dryden Flight Research Center  
 Location Edwards, California  
 Name of Director Mr. Isaac T. Gillam IV  
 Name, address and phone number of Research and Technology Applications Contact John C. Mathews, DFRC, Mail Stop D-CC, Edwards, CA 93523 (FTS) 984-8787  
 Major mission of facility Aeronautical flight research, remotely piloted vehicle research, Shuttle landing and recovery, contingency Shuttle landing site

9/30/80  
 Personnel as of 12/31/80: Professional 186 All other 279 Total 465  
 (S&E) (Prof. & Non-prof.)

Percent of effort expended in  
 Research and Development 100%; Testing —; Other —

## Relationship to other organizations

Parent Agency National Aeronautics and Space Administration  
 Parent Agency Subelements —  
 Subordinate organizations —

Type of Operation  
 Government owned & operated X Leased & government operated —  
 Government owned & contractor operated — Contractor owned & operated —

Major scientific and/or testing equipment Remotely Piloted Research Facility, Airborne Launch Aircraft

Comments —

Date April 27, 1981

## Federal Laboratory Information Sheet

Name of Facility Wallops Flight Center  
 Location Wallops Island, Virginia  
 Name of Director Mr. Robert L. Krieger  
 Name, address and phone number of Research and Technology Applications Contact Gilmore Trafford, WFC, Mail Code OD, Wallops Island, VA 23337 (FTS) 928-5201  
 Major mission of facility Sounding rocket development, procurement and operations; balloon programs

9/30/80  
 Personnel as of 12/31/80: Professional 103 All other 279 Total 382  
 (S&E) (Prof. & Non-prof.)

Percent of effort expended in  
 Research and Development 100%; Testing —; Other —

## Relationship to other organizations

Parent Agency National Aeronautics and Space Administration  
 Parent Agency Subelements —  
 Subordinate organizations —

Type of Operation  
 Government owned & operated X Leased & government operated —  
 Government owned & contractor operated — Contractor owned & operated —

Major scientific and/or testing equipment Sounding Rocket Range, Research Airport

Comments —

Date April 27, 1981

Federal Laboratory Information Sheet

Name of Facility National Space Technology Laboratories

Location NSTL Station, Mississippi

Name of Director Mr. I. Jerry Hlass

Name, address and phone number of Research and Technology Applications Contact \_\_\_\_\_

Fred Patterson, NSTL, Mail Code HA-10, NSTL Station, MS 39529 (FTS) 494-2042

Major mission of facility Testing of rocket engines and vehicle propulsion stages,

regional Earth resources sensing, support to tenant agencies

9/30/80

Personnel as of 9/30/80: Professional 47 All other 56 Total 103  
(S&E) (Prof. & Non-prof.)

Percent of effort expended in

Research and Development 100% Testing —; Other —

Relationship to other organizations

Parent Agency National Aeronautics and Space Administration

Parent Agency Subelements \_\_\_\_\_

Subordinate Organizations \_\_\_\_\_

Type of Operation

Government owned & operated XX Leased & government operated —

Government owned & contractor operated — Contractor owned & operated —

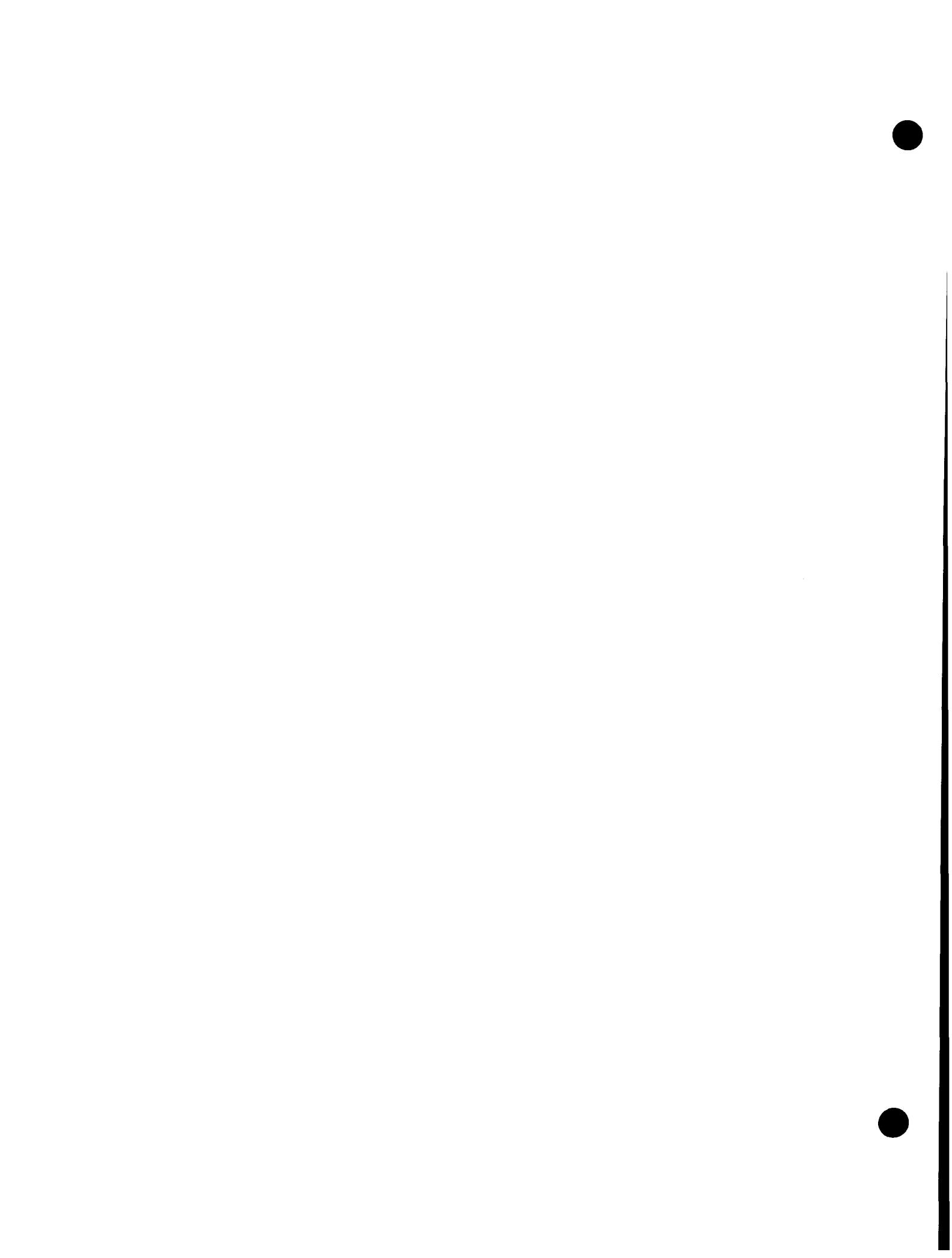
Major scientific and/or testing equipment \_\_\_\_\_

Comments \_\_\_\_\_

Date April 27, 1981

**NATIONAL SCIENCE  
FOUNDATION**

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## Federal Laboratory Information Sheet

Name of Facility National Center for Atmospheric ResearchLocation Boulder, ColoradoName of Director Dr. Wilmot N. HessName, address and phone number of Research and Technology Applications Contact Dr. Harold W. Baynton, National Center for Atmospheric Research  
P.O. Box 3000, 80307 - Tel: 303-484-5151(77747)

Major mission of facility Two missions guide the operation of NCAR: (1) Plan, initiate and carry out research programs on selected scientific problems in the atmospheric sciences and related areas, the problems to be characterized by their scientific significance and by the requirement for coordinated efforts and numbers of scientists and facilities: (2) Identify, develop, and make accessible research services and advanced facilities required by the scientific community to carry out programs in atmospheric research and other related areas.

Personnel as of 12/31/80: Professional 430 All other 246

Percent of effort expended in

Research and Development 88; Testing 3; Other 9 (Development)

Relationship to other organizations

Parent Agency National Science Foundation

Parent Agency Subelements \_\_\_\_\_

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned &amp; operated \_\_\_\_\_ Leased &amp; government operated \_\_\_\_\_

Government owned & contractor operated x\* Contractor owned & operated \_\_\_\_\_Major scientific and/or testing equipment Operates aircraft, radars, ground based observing systems and computers; carries out some instrument development activities.Comments \*Contractor is the University Corporation for Atmospheric Research

Date \_\_\_\_\_

## FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTER

Name of Facility National Radio Astronomy ObservatoryLocation Charlottesville, Virginia (headquarters)Name of Director Dr. Morton S. RobertsName, address and phone number of Research and Technology Applications Contact Dr. Robert Havlen, NRAO, Edgemont Road, Charlottesville, VA (804) 296-0211

Major mission of facility To provide major radio telescope facilities for use by the general astronomical community, to conduct research in the fields of advanced instrumentation and data processing, and to conduct investigations into concepts for next generation telescopes.

Personnel as of 12/31/80: Professional 34 All other 298

Percent of effort expended in

Research and Development 100; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency Funded by contract with the National Science FoundationParent Agency Subelements Division of Astronomical Sciences

Subordinate organizations \_\_\_\_\_

Type of Operation

Government owned &amp; operated \_\_\_\_\_ Leased &amp; government operated \_\_\_\_\_

Government owned & contractor operated x Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment \_\_\_\_\_

Very Large Array near Socorro, New Mexico. 12-meter diameter millimeter-wave

telescope near Tucson, Arizona. 91-meter and 43-meter diameter telescopes at

Green Bank, West Virginia

Comments \_\_\_\_\_

Date August 13, 1982

## FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTER

**Name of Facility** Kitt Peak National Observatory  
**Location** Tucson, Arizona  
**Name of Director** Dr. Geoffrey R. Burbidge  
**Name, address and phone number of Research and Technology Applications Contact** Mr. James F. Kattinge, Kitt Peak National Observatory, Post Office Box 26732, Tucson, Arizona 85726. Telephone No. (602) 325-9366  
**Major mission of facility** To provide the general astronomical community with the large ground-based optical telescopes, instrumentation, and support services required to conduct advanced research in stellar, solar, and planetary astronomy.

**Personnel as of 12/31/81:** Professional 60 All other 228

**Percent of effort expended in**

222 Research and Development 100; Testing  ; Other  

**Relationship to other organizations**

**Parent Agency** National Science Foundation

**Parent Agency Subelements** Division of Astronomical Sciences

**Subordinate organizations**  

**Type of Operation**

Government owned & operated   Leased & government operated  

Government owned & contractor operated X Contractor owned & operated  

**Major scientific and/or testing equipment**

Stellar telescopes: 4-meter, 2.1-meter, 1.3-meter reflectors.

Solar telescopes: 1.5-meter McMath Complex, 61-centimeter solar vacuum telescope.

**Comments**  

**Date** August 13, 1982

## FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTER

**Name of Facility** National Astronomy and Ionosphere Center  
**Location** Ithaca, New York (headquarters)  
**Name of Director** Dr. Tor Hagfors  
**Name, address and phone number of Research and Technology Applications Contact** Mr. Eugene Bartel, NAIC, Cornell University, Ithaca, New York (607) 256-3734  
**Major mission of facility** To provide major radio telescope facilities for use by the general astronomical community and to provide major ionospheric physics facilities for the general atmospheric physics community.

**Personnel as of 12/31/81:** Professional 16 All other 134

**Percent of effort expended in**

Research and Development 100; Testing  ; Other  

**Relationship to other organizations**

**Parent Agency** Funded by contract with the National Science Foundation

**Parent Agency Subelements** Division of Astronomical Sciences

**Subordinate organizations**  

**Type of Operation**

Government owned & operated   Leased & government operated  

Government owned & contractor operated X Contractor owned & operated  

**Major scientific and/or testing equipment**  

305-meter diameter radio telescope near Arecibo, Puerto Rico (also used for planetary radar astronomy and for ionospheric physics). High Frequency ionospheric heating facility near Arecibo, Puerto Rico.

**Comments**  

**Date** August 13, 1982

## FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTER

**Name of Facility** Cerro Tololo Inter-American Observatory  
**Location** La Serena, Chile  
**Name of Director** Dr. Patrick S. Osmer  
**Name, address and phone number of Research and Technology Applications Contact** Mr. James B. Way, Jr., Cerro Tololo Inter-American Observatory, Casilla 603, La Serena, Chile, South America Telephone No. 1353  
**Major mission of facility** To provide the general astronomical community with the large ground-based optical telescopes, instrumentation, and support services required to conduct advanced astronomy research in the southern hemisphere.

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Personnel as of 12/31/81: Professional 26 All other 118

Percent of effort expended in

Research and Development 100; Testing   ; Other   

Relationship to other organizations

Parent Agency National Science Foundation

Parent Agency Subelements Division of Astronomical Sciences

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated X Contractor owned & operated   

Major scientific and/or testing equipment   

Stellar telescopes: 4-meter, 1.5-meter, 91-centimeter reflectors.

Comments   

Date August 13, 1982

## FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTER

**Name of Facility** Sacramento Peak Observatory  
**Location** Sunspot, New Mexico  
**Name of Director** Dr. Jack B. Zirker  
**Name, address and phone number of Research and Technology Applications Contact** Mr. Frank A. Hegwer; Sacramento Peak Observatory; Sunspot, New Mexico 88349 (505)434-1390  
**Major mission of facility** To provide optical solar research facilities for studies in the fields of solar physics, solar-terrestrial relationships and related disciplines.

Personnel as of 12/31/81: Professional 23 All other 28

Percent of effort expended in

Research and Development 100; Testing   ; Other   

Relationship to other organizations

Parent Agency National Science Foundation

Parent Agency Subelements Division of Astronomical Sciences

Subordinate organizations   

Type of Operation

Government owned & operated    Leased & government operated   

Government owned & contractor operated X Contractor owned & operated   

Major scientific and/or testing equipment 109-meter high-solar vacuum tower telescope, 8-meter-long spar with 40-centimeter aperture coronagraph (Big Dome), 20-centimeter telescope (Hilltop Dome)

Comments   

Date August 13, 1982



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**SMITHSONIAN INSTITUTION**

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## Federal Laboratory Information Sheet

Name of Facility National Museum of Natural History  
 Location Washington, D. C.  
 Name of Director Dr. Richard Fiske  
 Name, address and phone number of Research and Technology Applications Contact  
Dr. James F. Mello, NHB 106, 10th & Constitution Ave., NW, Wash., DC 20560 (202) 357-2661  
 Major mission of facility The Museum's research includes basic work in biology, earth sciences, fossils, and anthropology. The Museum also administers the Oceanographic Sorting Center, Scientific Event Alert Network, and the Center for the Study of Man.

\* Personnel as of 12/31/80: Professional 10 All other 75

Percent of effort expended in

Research and Development   ; Testing   ; Other 100%

Relationship to other organizations

Parent Agency Smithsonian Institution

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Smithsonian     
 Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Meteorite saw, microprobe, three scanning electron microscopes, Xray diffraction equipment.

Comments \* Includes only research personnel who use laboratory facilities.

Date April 23, 1981

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## Federal Laboratory Information Sheet

Name of Facility Smithsonian Astrophysical Observatory (SAO)  
 Location Cambridge, Massachusetts & Mount Hopkins, Arizona  
 Name of Director Dr. George B. Field  
 Name, address and phone number of Research and Technology Applications Contact  
John G. Gregory, SAO, 60 Garden Street, Cambridge, Massachusetts 02138 (617) 495-7102  
 Major mission of facility The Astrophysical Observatory, in a joint venture with the Harvard Observatory known as the Center for Astrophysics, coordinates a program of research and studies into the physical nature of celestial bodies, processes, and events. Field work is centered at Mount Hopkins and is supplemented by satellite tracking stations located around the world.

\* Personnel as of 12/31/80: Professional 36 All other 36

Percent of effort expended in

Research and Development 33%; Testing 17%; Other 50%

Relationship to other organizations

Parent Agency Smithsonian Institution

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Smithsonian     
 Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Multiple mirror telescope, 60" telescope, 24" telescope, hydrogen maser system, electron microprobe, scanning electron microscope, four pulsed ruby laser systems, Xray vacuum pipes and Xray sources.

Comments \*Includes only research personnel who use laboratory facilities.

Date April 23, 1981

## Federal Laboratory Information Sheet

Name of Facility Radiation Biology Laboratory (RBL)  
 Location Rockville, Maryland  
 Name of Director Dr. William H. Klein  
 Name, address and phone number of Research and Technology Applications Contact Dr. William H. Klein, RBL, 12441 Parklawn Dr., Rockville, Md. 20852 (301)-443-2329  
 Major mission of facility The Radiation Biology Laboratory supports research on the quantity and quality of radiant energy reaching the earth, and its effects on plant biology.

\* Personnel as of 12/31/80: Professional 13 All other 47

Percent of effort expended in  
 Research and Development   ; Testing   ; Other 100%

## Relationship to other organizations

Parent Agency Smithsonian Institution  
 Parent Agency Subelements     
 Subordinate organizations   

Type of Operation  
 Government owned & operated    Smithsonian    Leased & government operated X  
 Government owned & contractor operated    Contractor owned & operated     
 Major scientific and/or testing equipment Carbon-14 data equipment, environmental plant growing chambers, Phillips 300 electron microscope, interference filter monochromators for action spectroscopy.

Comments \*Includes only research personnel who use laboratory facilities.

Date April 23, 1981

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## Federal Laboratory Information Sheet

Name of Facility Smithsonian Tropical Research Institute  
 Location Balboa, Canal Zone  
 Name of Director Dr. Ira Rubinoff  
 Name, address and phone number of Research and Technology Applications Contact Dr. Frank Morris, Smithsonian Tropical Research Institute, APO, Miami, Florida 34002  
 Major mission of facility The Institute operates as a center for advanced studies in tropical biology to promote basic and original research on marine and terrestrial organisms with emphasis on collection of long-term baseline data relative to studies of behavior, ecology, and evolution.

\* Personnel as of 12/31/80: Professional 22 All other 10

Percent of effort expended in  
 Research and Development   ; Testing   ; Other 100%

## Relationship to other organizations

Parent Agency Smithsonian Institution  
 Parent Agency Subelements     
 Subordinate organizations   

Type of Operation  
 Government owned & operated    Permit & Smithsonian Operated    Leased & government operated X  
 Government owned & contractor operated    Contractor owned & operated     
 Major scientific and/or testing equipment None

Comments \*Includes only research personnel who use laboratory facilities.

Date April 23, 1981

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Federal Laboratory Information Sheet

Name of Facility Chesapeake Bay Center for Environmental Studies (CBCES)  
Location Edgewater, Maryland  
Name of Director Dr. J. Kevin Sullivan  
Name, address and phone number of Research and Technology Applications Contact Dr. David L. Correll, CBCES, P.O. Box 28, Edgewater, Md. 20137 (301) 798-4424  
Major mission of facility The research program includes all aspects of watershed estuarine investigation with emphasis on land-water relationships and the effects of human use and development. Located on the Rhode River, the site's various features form a mosaic of land usage including forests, 14 miles of shoreline, marshes, fields, and agricultural areas.

\* Personnel as of 12/31/80: Professional 24 All other 0

Percent of effort expended in

Research and Development   ; Testing   ; Other 100%

Relationship to other organizations

Parent Agency Smithsonian Institution

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Smithsonian Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment None

Comments \*Includes only research personnel who use laboratory facilities.

Date April 23, 1981

Federal Laboratory Information Sheet

Name of Facility National Zoological Park & Conservation Center  
Location Rock Creek Park, Washington, D. C. & Front Royal, Va.  
Name of Director Dr. Theodore H. Reed  
Name, address and phone number of Research and Technology Applications Contact Dr. John Eisenberg, National Zoological Park, Washington, D. C. 20008 (202) 673-4705  
Major mission of facility The National Zoo is primarily involved in the care, breeding, and exhibition of live animals. Research includes comparative medicine and pathology, animal behavior, ecology, nutrition, and reproductive physiology. The Conservation Center was established to enhance conservation methods for rare and endangered species of mammals and birds.

\* Personnel as of 12/31/80: Professional 10 All other 8

Percent of effort expended in

Research and Development   ; Testing   ; Other 100%

Relationship to other organizations

Parent Agency Smithsonian Institution

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Smithsonian Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Real-time sound analyzer

Comments \*Includes only research personnel who use laboratory facilities.

Date April 23, 1981



**TENNESSEE VALLEY  
AUTHORITY**

**TVA**

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## Federal Laboratory Information Sheet

Name of Facility National Fertilizer Development Center  
 Location Muscle Shoals, Alabama 35660  
 Name of Director Dr. Billy J. Bond, Manager of Agricultural and Chemical Development  
 Name, address and phone number of Research and Technology Applications Contact  
(205) 386-2593  
J. Harold Parker, Manager of Information Services TVA, Muscle Shoals, AL 35660  
 Major mission of facility Charged in TVA Act with developing and improving fertilizers, fertilizer manufacturing processes, and fertilizer use nationally.  
 Personnel as of 12/31/80: Professional 317 All other 652  
 Percent of effort expended in  
 233 Research and Development 70 ; Testing 10 ; Other 20

## Relationship to other organizations

Parent Agency Tennessee Valley Authority  
 Parent Agency Subelements \_\_\_\_\_  
 Subordinate organizations \_\_\_\_\_

## Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
 Major scientific and/or testing equipment Mass Spectrometer, Scanning Electron Microscope, X-ray Diffraction, XRF Spectrometer, Argon Plasma Spectrometer, Calorimeters, Gelometer, Rhizotron Lysimeter, Fourier Transform Infra-Red Spectrometer  
 Comments Through technical publications and reports, licensing of new developments, and demonstrations, technology is made available to other fertilizer R&D organizations, educational institutions, industry, and farmers. TVA fertilizer technology is widely used.  
 Date April 14, 1981

## Federal Laboratory Information Sheet

Name of Facility Energy Demonstrations & Technology (ED&T)  
 Location 1000 Chestnut Street Towers II, Chattanooga, Tennessee 37401  
 Name of Director M. D. High  
 Name, address and phone number of Research and Technology Applications Contact  
Shirley S. Ray, 1340 Commerce Union Bank Bldg., Chattanooga, TN 37401 (615) 755-2771  
 Major mission of facility The Division of Energy Demonstrations and Technology (ED&T) plans, develops, coordinates, and manages TVA's energy technology assessment and demonstration activities. It assures that the conduct and implementation of energy technology assessment and demonstration activities will yield the lowest long-term cost for providing electric power consistent with reliability for service, energy conservation, and environmental considerations. As appropriate, it participates in the development of energy technologies and demonstrations to help solve the Nation's energy problems. It recommends participation with other organizations where significant benefits are likely to accrue to the TVA power program and the national energy effort.

Personnel as of 12/31/80: Professional 201 All other 120

## Percent of effort expended in

Research and Development 51 ; Testing 30 ; Other 19

## Relationship to other organizations

Parent Agency Tennessee Valley Authority  
 Parent Agency Subelements Office of Power  
 Subordinate organizations N/A

## Type of Operation

Government owned & operated X Leased & government operated \_\_\_\_\_  
 Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_  
 Major scientific and/or testing equipment Scrubbers, electric vehicles, atmospheric fluidized bed combustion pilot plant, Clinch River breeder reactor.

Comments \_\_\_\_\_

Date \_\_\_\_\_

## Federal Laboratory Information Sheet

Name of Facility TVA Engineering Laboratory  
 Location Pine Road, Norris, Tennessee 37828  
 Name of Director E. Ely Driver  
 Name, address and phone number of Research and Technology Applications Contact William R. Waldrop, P.O. Drawer E, Norris, TN 37828 (615) 632-4460  
 Major mission of facility Development of hydraulic models (physical and computer). Research and development are primarily in the fields of fluid dynamics heat transfer, and surface and ground water hydrology.  
 Personnel as of 12/31/80: Professional 44 All other 38

234

Percent of effort expended in  
 Research and Development 60; Testing 30; Other 10

Relationship to other organizations  
 Parent Agency Tennessee Valley Authority  
 Parent Agency Subelements Office of Natural Resources, Division of Water Resources  
 Subordinate organizations None

Type of Operation  
 Government owned & operated  Leased & government operated         
 Government owned & contractor operated        Contractor owned & operated         
 Major scientific and/or testing equipment Specialized instruments include laser techniques for measuring velocity, a micro processor controlled spectral analyzer for recording and analyzing vibration modes, a fluorocarbon tracer device for tracking flow through porous media, and an underwater camera with a video tape recorder. A number of computing systems are utilized.

Date April 9, 1981

## Federal Laboratory Information Sheet

Name of Facility Air Resources Program, Research Section  
 Location Muscle Shoals, Alabama  
 Name of Director John P. Blackwell  
 Name, address and phone number of Research and Technology Applications Contact Herbert C. Jones, TVA, 51 River Oaks Building, Muscle Shoals, Alabama c - (205) 386-2341 FTS - 872-8342  
 Major mission of facility Perform research on the effects of air pollutants emitted from conventional and new energy technologies. This includes research on (1) the effects on crop and forest productivity and long-term ecosystem response, (2) the long-range transport of air pollutants, (3) the production of secondary pollutants, and (4) the causes of visibility impairment. This also includes the development of models predicting/ describing the dispersion, long-range transport, transformation, and effects of air pollutants. Results are used to provide information for (1) setting and/or revising of air quality standards, (2) site assessment, and (3) assessment of air pollution control strategies.

Personnel as of 12/31/80: Professional 19 All other 13

Percent of effort expended in

Research and Development 90; Testing       ; Other 10

Relationship to other organizations  
 Parent Agency Tennessee Valley Authority  
 Parent Agency Subelements Office of Natural Resources  
 Subordinate organizations None

Type of Operation  
 Government owned & operated  Leased & government operated         
 Government owned & contractor operated        Contractor owned & operated         
 Major scientific and/or testing equipment Gaseous monitors, analytical equipment, minicomputers

Comments         
 Date

**U.S. DEPARTMENT OF  
AGRICULTURE**

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Federal Laboratory Information Sheet

Name of Facility Western Regional Research Center  
Location Berkeley, CA  
Name of Director Dr. Arthur I. Morgan, Jr.  
Name, address and phone number of Research and Technology Applications Contact Dr. Arthur I. Morgan, Jr., USDA-S&E-ARS-WRRC, 800 Buchanan Street, Berkeley, CA 94710 COMM: 415-486-3506  
Major mission of facility The scientific and engineering staff have a mission to develop through basic, applied, and developmental research new scientific knowledge, invention, innovation, and technology that benefit the environment, growers, processors, and consumers of agricultural products that are particularly important in western agriculture.  
Personnel as of 12/31/80: Professional 149 All other 173

238

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education  
Parent Agency Subelements Agricultural Research Service  
Subordinate organizations Western Regional Research Center

Type of Operation

Government owned & operated X Leased & government operated     
Government owned & contractor operated    Contractor owned & operated     
Major scientific and/or testing equipment Boiler plant, food processing laboratory, wool processing plant, X-ray defraction, Mass spectrometer, Nuclear Magnetic Resonance, GLC-MS Isolation and characterization, and major animal toxicological facilities.

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Eastern Regional Research Center  
Location Philadelphia, PA  
Name of Director Dr. H. L. Rothbart  
Name, address and phone number of Research and Technology Applications Contact Dr. H. L. Rothbart, USDA-S&E-ARS-NER, Eastern Regional Res. Center, 600 East Mermaid Lane Philadelphia, PA 19118 COMM: 215-233-6593  
Major mission of facility To conduct needed basic and applied research in the fields of chemistry, engineering, biochemistry, microbiology, food science, and related disciplines. Emphasis is on safety, quality, reduction of losses, and increases in economic return to the U.S. economy by research on foods derived from animals (meat, milk, etc.), plants of importance in the northeastern U.S., and animal hides.  
Personnel as of 12/31/80: Professional 130 All other 192

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education  
Parent Agency Subelements Agricultural Research Service  
Subordinate organizations Northeastern Region

Type of Operation

Government owned & operated X Leased & government operated     
Government owned & contractor operated    Contractor owned & operated     
Major scientific and/or testing equipment Continuous belt vacuum dryer, computer systems, mass spectrometers, nuclear magnetic resonance spectrometers, electron spin resonance spectrometer, Fourier transform infrared spectrometer, liquid and gas chromatographs, electron microscopes, etc.  
Comments Cooperative research is conducted with other scientists in areas of plant and animal production, protection, and in soil, water, and air research.

Date October 1981

## Federal Laboratory Information Sheet

Name of Facility Northern Regional Research Center  
 Location Peoria, IL  
 Name of Director Dr. William H. Tallent

Name, address and phone number of Research and Technology Applications Contact  
 Dr. William H. Tallent, USDA-S&E-ARS, NCR, Northern Regional Research Center, 1815 N. University St., Peoria, IL 61604 FTS: 360-4251

Major mission of facility Conduct basic, applied, and developmental research in the field of chemistry and biological sciences concerned with basic knowledge of chemical composing and physical properties of cereal grains and oilseeds and with the application of this knowledge to development of new or improved products and processing technology.

Personnel as of 12/31/80: Professional 166 All other 140

Percent of effort expended in  
 Research and Development 100%; Testing   ; Other   

Relationship to other organizations  
 Parent Agency U.S. Department of Agriculture, Science and Education  
 Parent Agency Subelements Agricultural Research Service  
 Subordinate organizations North Central Region

Type of Operation  
 Government owned & operated  Leased & government operated     
 Government owned & contractor operated    Contractor owned & operated     
 Major scientific and/or testing equipment Paper making machine, 2 Electron Microscopes, 8 Mass Spectrometers

Comments     
 Date October 1981

## Federal Laboratory Information Sheet

Name of Facility National Animal Disease Center  
 Location Ames, IA  
 Name of Director Dr. Phillip A. O'Berry

Name, address and phone number of Research and Technology Applications Contact  
 Dr. Phillip A. O'Berry, USDA-S&E-ARS-NCR, National Animal Disease Center, P.O. Box 70, Ames, Iowa 50010 FTS: 682-8201

Major mission of facility The Laboratory is the research center for the study of domestic diseases of livestock. Research is conducted on the infectious and noninfectious animal diseases prevalent in the United States having national significance or causing serious economic loss.

Personnel as of 12/31/80: Professional 69 All other 203

Percent of effort expended in  
 Research and Development 100%; Testing   ; Other   

Relationship to other organizations  
 Parent Agency U.S. Department of Agriculture, Science and Education  
 Parent Agency Subelements Agricultural Research Service  
 Subordinate organizations North Central Region

Type of Operation  
 Government owned & operated  Leased & government operated     
 Government owned & contractor operated    Contractor owned & operated     
 Major scientific and/or testing equipment Electron Microscope

Comments This Center coordinates with the Animal and Plant Health Inspection Service.  
 Date October 1981

Federal Laboratory Information Sheet

Name of Facility Richard B. Russell Agricultural Research Center

Location Athens, GA

Name of Director Dr. David Zimmer

Name, address and phone number of Research and Technology Applications Contact  
Dr. David Zimmer, USDA-S&E-ARS-SR, Richard B. Russell Agricultural Res. Center,  
P.O. Box 5677, Athens, GA 30613 FTS: 250-3328 COMM: 404-546-3328

Major mission of facility is to conduct a broad program of multidisciplinary research to meet Regional and national goals for increased agricultural production, improved nutrition, rural development, and food quality and safety.

Personnel as of 12/31/80: Professional 60 All other 100

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

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Federal Laboratory Information Sheet

Name of Facility Beltsville Human Nutrition Research Center

Location Beltsville, MD

Name of Director Dr. Walter Mertz

Name, address and phone number of Research and Technology Applications Contact  
Dr. Walter Mertz, USDA-S&E-ARS-NER, Beltsville Human Nutrition Res. Center, Room 223  
Bldg. 308, BARC-E, Beltsville, MD 20705 COMM: 301-344-2157

Major mission of facility Provide the most complete definition of human requirements for essential nutrients through basic and applied research, and the identification of foods that meet the nutritional requirements through nutrient composition research.

Personnel as of 12/31/80: Professional 44 All other 84

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Northeastern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Human study facility for independent human

nutrition studies of up to 60 subjects. Nutrient composition laboratory for complete nutrient composition analyses including "clean-room" facilities for trace elements.

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Metabolism and Radiation Research Laboratory

Location Fargo, ND

Name of Director Dr. D. S. Frear

Name, address and phone number of Research and Technology Applications Contact  
Dr. D. S. Frear, USDA-S&E-ARS-NCR, Metabolism & Radiation Res. Lab., P.O. Box 5674  
State Univ. Station, Fargo, ND 58105 FTS: 783-5445 COMM: 701-237-5771

Major mission of facility Conduct basic and applied research leading to control of insect pests through studies on physiology, development, and reproduction of insects of agricultural importance and study the metabolic fate of pesticides and other agricultural chemicals in plants and animals.

Personnel as of 12/31/80: Professional 62 All other 42

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Electron Microscope, 3 Mass Spectrometers, Carbon/Proton System

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Southeast Watershed Research Laboratory

Location Tifton, GA

Name of Director Dr. Loris Asmussen

Name, address and phone number of Research and Technology Applications Contact  
Dr. Loris Asmussen, USDA-S&E-ARS-SR, Southeast Watershed Research Laboratory,  
P.O. Box 946, Tifton, GA 31793 COMM: 912-386-3462

Major mission of facility The mission of the SEWRL is to develop concepts of watershed systems based on an understanding of hydrologic, sediment, and chemical transport processes, and to develop methodologies for predicting and evaluating the impact of agricultural management practices on the environment and the natural resources of the southeast.

Personnel as of 12/31/80: Professional 43 All other 44

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Insect Attractants, Behavior & Basic Biology Research Laboratory

Location Gainesville, FL

Name of Director Dr. Derrell L. Chambers

Name, address and phone number of Research and Technology Applications Contact  
Dr. Derrell L. Chambers, USDA-S&E-ARS-SR, Insect Attractants, Behavior & Basic Biology  
Res. Lab., 1700 S. W. 23rd Dr., P.O. Box 14565, Gainesville, FL 32604 FTS: 947-7205

Major mission of facility Conduct basic research on insect behavior and response to  
attractants and other factors in the environment; conduct basic and applied research  
which will lead to control of insects and ticks of animal and man.

Personnel as of 12/31/80: Professional 25 All other 53

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_; Other \_\_\_\_

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_

Government owned & contractor operated \_\_\_\_ Contractor owned & operated \_\_\_\_

Major scientific and/or testing equipment Various equipment

Comments \_\_\_\_\_

Date October 1981

Federal Laboratory Information Sheet

Name of Facility U.S. Grain Marketing Research Center

Location Manhattan, KS

Name of Director Dr. Yeshajahu Pomeranz

Name, address and phone number of Research and Technology Applications Contact  
Dr. Yeshajahu Pomeranz, USDA-S&E-ARS-NCR, U.S. Grain Marketing Research Center,  
1515 College Ave., Manhattan, KS 66502 FTS: 752-4201 or 4292

Major mission of facility Conduct physical, chemical, and biological research on  
improving handling efficiency, preventing deterioration, and evaluating quality in the  
storage and marketing of grain and in the development of grains with improved quality.

Personnel as of 12/31/80: Professional 35 All other 29

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_; Other \_\_\_\_

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_

Government owned & contractor operated \_\_\_\_ Contractor owned & operated \_\_\_\_

Major scientific and/or testing equipment Electron Microscope, Infrared Spectrophotometer

Comments \_\_\_\_\_

Date October 1981

Federal Laboratory Information Sheet

Name of Facility U.S. Horticultural Laboratory

Location Orlando, FL

Name of Director Dr. Roger Young

Name, address and phone number of Research and Technology Applications Contact  
Dr. Roger Young, USDA-S&E-ARS-SR, U.S. Horticultural Laboratory, 2120 Camden Rd., Orlando, FL 32803  
FTS: 820-6051

Major mission of facility Develop improved varieties and production practices for citrus including pest control and improved technologies for handling, storing, transporting, market preparation, and quality maintenance of fruits and vegetables.

Personnel as of 12/31/80: Professional 20 All other 42

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Crops Research Laboratory

Location Logan, UT

Name of Director Dr. R. Dean Plowman

Name, address and phone number of Research and Technology Applications Contact  
Dr. R. Dean Plowman, USDA-S&E-ARS-WR, Crops Research Lab., Utah State University, UMC 48, Agricultural Science Bldg., Logan, UT 84322  
COM: 801-750-3453

Major mission of facility Develop new improved breeding lines and varieties of sugarbeets; increase nutritive value of forage, study use of by-products feed, study role of nutrition and management in reproduction; study crop pollination by exotic bees (non-apes), study basic bee biology and systematics; investigate poisonous plants and their toxins, mode of action to prevent livestock losses; and provide forage grasses, etc.

Personnel as of 12/31/80: Professional 26 All other 36

Percent of effort expended in  
Research and Development 87%; Testing   ; Other 13%

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Western Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Infra-red spectrophotometer, Atomic

Absorption Spect., NMR (Mass) Spectrophotometer, Polarimeter, Oscilliscope,

Scintillation Counter, Seed Drill, Tractor.

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Regional Poultry Research Laboratory

Location East Lansing, MI

Name of Director Dr. Richard L. Witter

Name, address and phone number of Research and Technology Applications Contact  
Dr. Richard L. Witter, USDA-S&E-ARS-NCR, Regional Poultry Research Laboratory,  
3606 East Mt. Hope Road, East Lansing, MI 48823  
FTS: 374-6828

Major mission of facility Research is conducted on control or prevention of avian  
leukosis, both the lymphoid leukosis and Marek's disease.

Personnel as of 12/31/80: Professional 24 All other 32

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Roman L. Hruska U.S. Meat Animal Research Center

Location Clay Center, NE

Name of Director Dr. Robert R. Oltjen

Name, address and phone number of Research and Technology Applications Contact  
Dr. Robert R. Oltjen, USDA-S&E-ARS-NCR, Roman L. Hruska U.S. Meat Animal Res. Center,  
P.O. Box 166, State Spur 18D, Clay Center, NE 68933  
COMM: 402-762-3241

Major mission of facility The Center will conduct a comprehensive multidiscipline  
research program on feeding, housing, management, breeding, reproduction, and meats  
technology on beef cattle, swine, and sheep.

Personnel as of 12/31/80: Professional 43 All other 13

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Electron Microscope, Amino Acid Analyzer

Comments   

Date October 1981

## Federal Laboratory Information Sheet

Name of Facility Insects Affecting Man and Animals Research LaboratoryLocation Gainesville, FLName of Director Dr. Donald E. WeidhaasName, address and phone number of Research and Technology Applications Contact  
Dr. Donald E. Weidhaas, USDA-S&E-ARS-SR, Insects Affecting Man & Animals Res. Lab., 1600 S.W. 23rd Dr., P.O. Box 14565, Gainesville, FL 32604 FTS: 947-7290Major mission of facility Conduct basic research on insect behavior and response to attractants and other factors in the environment; conduct basic and applied research which will lead to control of insects and ticks of animals and man.Personnel as of 12/31/80: Professional 26 All other 28

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and EducationParent Agency Subelements Agricultural Research ServiceSubordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   Government owned & contractor operated    Contractor owned & operated   Major scientific and/or testing equipment Various equipmentComments   Date October 1981

## Federal Laboratory Information Sheet

Name of Facility Stored-Products Insects Research & Development LaboratoryLocation Savannah, GAName of Director Dr. Robert DavisName, address and phone number of Research and Technology Applications Contact  
Dr. Robert Davis, USDA-S&E-ARS-SR, Stored-Products Insects Res. & Dev. Lab., 3401 Edwin Ave., P.O. Box 22909, Savannah, GA 31403 FTS: 248-4397Major mission of facility Conduct basic and applied research on Kenaf, ornamental crops for the South, and control of aquatic weeds. Develop biological, physical, and chemical methods for preventing or controlling infestation of insects that attack food, feed, seed, and fiber after harvest.Personnel as of 12/31/80: Professional 23 All other 29

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and EducationParent Agency Subelements Agricultural Research ServiceSubordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   Government owned & contractor operated    Contractor owned & operated   Major scientific and/or testing equipment Various equipmentComments   Date October 1981

Federal Laboratory Information Sheet

Name of Facility Veterinary, Toxicology and Entomology Laboratory

Location College Station, TX

Name of Director Dr. Donald A. Witzel

Name, address and phone number of Research and Technology Applications Contact  
Dr. Donald A. Witzel, USDA-S&E-ARS, Veterinary, Toxicology & Entomology Lab.  
P.O. Drawer GE, College Station, TX 77841 FTS: 527-1371

Major mission of facility To protect livestock and poultry from toxic and residual effects of pesticides and/or other naturally occurring or synthetic agricultural chemicals and develop efficient and economical methods of controlling insects, ticks, and mites that attack livestock and poultry.

Personnel as of 12/31/80: Professional 25 All other 23

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Snake River Conservation Research Center

Location Kimberly, ID

Name of Director Dr. W. Doral Kemper

Name, address and phone number of Research and Technology Applications Contact  
Dr. W. Doral Kemper, USDA-S&E-ARS-WR, Snake River Conservation Res. Lab., Route 1  
Box 186, Kimberly, ID 83341 FTS: 554-6578 COMM: 208-423-5582

Major mission of facility Investigate water and fertility management problems on irrigated and associated drylands of the Snake River Valley and similar agricultural areas to increase production and conserve energy, water, and soil.

Personnel as of 12/31/80: Professional 17 All other 30

Percent of effort expended in

Research and Development 90%; Testing 10%; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Western Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment AA Spectrophotometers, Kjeldahl apparatus, Titralyzers, water level recorders, data acquisition system (climatological), soil moisture and testing apparatus, and similar instrumentation.

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Tropical Fruit and Vegetable Research Facility

Location Honolulu, HI

Name of Director Dr. D. Leroy Williamson

Name, address and phone number of Research and Technology Applications Contact  
Dr. D. Leroy Williamson, USDA-S&E-ARS-WR, Tropical Fruit and Vegetable Res. Facility,  
2727 Woodlawn Dr., P.O. Box 2280, Honolulu, HI 96804 FTS: 556-0220 COMM: 808-988-2158

Major mission of facility Unit is directed primarily toward discovering and developing  
technology for the detection, exclusion, control, and circulation of tropical fruit  
flies that may be accidentally introduced into agricultural areas of the U.S. mainland.

Research is focused toward the development and refinement of technology that minimizes  
the use of pesticides.

Personnel as of 12/31/80: Professional 15 All other 31

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Western Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Arthropod-borne Animal Diseases Research Laboratory

Location Denver, CO

Name of Director Dr. Thomas E. Walton

Name, address and phone number of Research and Technology Applications Contact  
Dr. Thomas E. Walton, USDA-S&E-ARS-WR, Arthropod-borne Animal Diseases Research Lab.,  
P.O. Box 25327, Denver Federal Center, Denver, CO 80225 COMM: 303-234-2474

Major mission of facility To perform research on the insect-transmitted viral  
diseases of domestic animals. The research is directed to the diagnosis and control  
of these diseases.

Personnel as of 12/31/80: Professional 10 All other 35

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Western Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Electron microscope, ultracentrifuges,  
liquid scintillation counter, and gamma counter.

Comments Work involved the use of biting insects such as Culicoides and mosquitoes.

Colonies of insects are maintained in the laboratory.

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Oilseed and Food Laboratory

Location New Orleans, LA

Name of Director Vacant

Name, address and phone number of Research and Technology Applications Contact  
Oilseed and Food Laboratory, USDA-S&E-ARS-SRRC, 1100 Robert E. Lee Blvd., P.O. Box 19687  
New Orleans, LA 70179  
FTS: 682-7557

Major mission of facility The mission of the Laboratory is to carry on a far-reaching  
research program in five general areas including food flavor, oils and carbohydrates,  
biochemistry, protein products, food and feed safety.

Personnel as of 12/31/80: Professional 34 All other 10

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Regional Research Center

Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Various equipment

Comments \_\_\_\_\_

Date October 1981

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Federal Laboratory Information Sheet

Name of Facility Sedimentation Laboratory

Location Oxford, MS

Name of Director Vacant

Name, address and phone number of Research and Technology Applications Contact  
Sedimentation Laboratory, USDA-S&E-ARS-SR, P.O. Box 1157, Oxford, MS 38655  
COMM: 601-234-4121

Major mission of facility Develop and report better methods, practices, and  
techniques for control of sediment and its resulting effect on the quality of the  
environment.

Personnel as of 12/31/80: Professional 23 All other 20

Percent of effort expended in

Research and Development 100%; Testing \_\_\_\_\_; Other \_\_\_\_\_

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned & contractor operated \_\_\_\_\_ Contractor owned & operated \_\_\_\_\_

Major scientific and/or testing equipment Various equipment

Comments \_\_\_\_\_

Date October 1981

Federal Laboratory Information Sheet

Name of Facility U.S. Livestock Insects Laboratory  
Location Kerrville, TX  
Name of Director Dr. Roger O. Drummond  
Name, address and phone number of Research and Technology Applications Contact Dr. Roger O. Drummond, USDA-S&E-ARS-SR, U.S. Livestock Insects Lab., P.O. Box 232 Kerrville, TX COMM: 512-257-3566  
Major mission of facility Conduct basic and applied research leading to improved quality and production of livestock through control of its insect pests. Conduct research on the toxicological effects of various agricultural chemicals on livestock and poultry.

Personnel as of 12/31/80: Professional 18 All other 25

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education  
Parent Agency Subelements Agricultural Research Service  
Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated     
Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Western Cotton Research Laboratory  
Location Phoenix, AZ  
Name of Director Dr. Thomas J. Henneberry  
Name, address and phone number of Research and Technology Applications Contact Dr. Thomas J. Henneberry, USDA-S&E-ARS-WR, Western Cotton Research Laboratory, 4135 East Broadway, Phoenix, AZ 85040 FTS: 261-3524 COMM: 602-261-3524  
Major mission of facility Research leading to the development of improved and more efficient cotton production.

Personnel as of 12/31/80: Professional 14 All other 28

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education  
Parent Agency Subelements Agricultural Research Service  
Subordinate organizations Western Region

Type of Operation

Government owned & operated X Leased & government operated     
Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Standard laboratory equipment including microscopes, chromatographs, spectrophotometers, irradiator, photography equipment, centrifuges, bioclimatic chambers, incubators, and computers.

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Northern Great Plains Research Center

Location Mandan, ND

Name of Director Dr. Alfred L. Black

Name, address and phone number of Research and Technology Applications Contact Dr. Alfred L. Black, USDA-S&E-ARS-NCR, Northern Great Plains Research Laboratory, P.O. Box 459, Mandan, ND 58554 FTS: 783-4011 COMM: 701-663-6445

Major mission of facility To develop soil and water management practices designed to prevent soil, water, and aerial deterioration of the rural environment. To characterize the flow systems involved in the appearance of saline seeps and to devise soil management and/or engineering principles to prevent their occurrence and spreading and to reclaim those saline seeps already in existence. Research on revegetation and forage improvement.

Personnel as of 12/31/80: Professional 16 All other 26

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments This Center coordinates with the Soil Conservation Service.

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Boll Weevil Research Laboratory

Location Mississippi State, MS

Name of Director Dr. T. B. Davich

Name, address and phone number of Research and Technology Applications Contact Dr. T. B. Davich, USDA-S&E-ARS-SR, Boll Weevil Res. Lab., P.O. Box 5367 Mississippi State, MS 39762 COMM: 601-323-2230 FTS: 490-4676

Major mission of facility Conduct basic and applied research leading to improved production of cotton, grain, and forage through control of its insect pests.

Personnel as of 12/31/80: Professional 18 All other 23

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility U.S. Water Conservation Laboratory

Location Phoenix, AZ

Name of Director Dr. Herman Bouwer

Name, address and phone number of Research and Technology Applications Contact  
Dr. Herman Bouwer, USDA-S&E-ARS-WR, U.S. Water Conservation Laboratory, 4331 East Broadway, Phoenix, AZ 85040 FTS: 261-4356 COMM: 602-261-4356

Major mission of facility To make more efficient use of water in agriculture by more efficient irrigation systems, better scheduling of irrigations, water harvesting, runoff farming, closed-environment crop production, growing drought tolerant crops, wastewater reuse, and other water conservation research in systems involving plants, soil, and the atmosphere.

Personnel as of 12/31/80: Professional 18 All other 22

Percent of effort expended in

Research and Development 80%; Testing   ; Other 20%

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Western Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment lysimeters, hydraulic flume, growth room, infrared thermometers, meteorological instrumentation, gas chromatograph, analytical equipment, neutron probes, data acquisition and processing systems, and microprocessors.

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Appalachian Fruit Research Station

Location Kearneysville, WV

Name of Director Mr. Bill A. Butt

Name, address and phone number of Research and Technology Applications Contact  
Mr. Bill A. Butt, USDA-S&E-ARS-NER, Appalachian Fruit Research Station, Route 2, Box 45 Kearneysville, WV 25430 COMM: 304-725-3451

Major mission of facility Develop the technology needed to increase yields, improve quality, reduce cost of production, reduce losses, improve production systems, and improve marketing efficiency for fruit crops.

Personnel as of 12/31/80: Professional 12 All other 26

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Northeastern Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment 500 acres of land, 400 under cultivation

Comments The Blueberry & Cranberry Res. Center, Chatsworth, NJ, which is a satellite of Kearneysville, with 2 scientists conducts research on breeding & diseases of subject lab.

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Cotton Textile Processing Laboratory

Location New Orleans, LA

Name of Director Dr. Albert Baril

Name, address and phone number of Research and Technology Applications Contact Dr. Albert Baril, USDA-S&E-ARS-SRRC, Cotton Textile Processing Lab., 1100 Robert E. Lee Blvd., P.O. Box 19687, New Orleans, LA 70179 FTS: 682-7582

Major mission of facility The major mission of the Cotton Textile Processing Laboratory is to develop new approaches and techniques for processing cotton textiles and to apply technology advances from other scientific fields to problems associated with efficient processing, handling, and evaluation of fibrous and nonfibrous agricultural products.

Personnel as of 12/31/80: Professional 18 All other 19

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Regional Research Center

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

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Federal Laboratory Information Sheet

Name of Facility Tobacco Research Laboratory

Location Oxford, NC

Name of Director Dr. James F. Chaplin

Name, address and phone number of Research and Technology Applications Contact Dr. James F. Chaplin, USDA-S&E-ARS-SR, Tobacco Res. Lab., Route 2, Box 16G Oxford, NC 27565 COMM: 919-693-5151

Major mission of facility Conduct basic and applied research leading to the improved varieties and production practices of tobacco and control of tobacco insect pests.

Personnel as of 12/31/80: Professional 13 All other 23

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

## Federal Laboratory Information Sheet

Name of Facility Southeast Poultry Research Laboratory  
 Location Athens, GA  
 Name of Director Dr. Charles W. Beard

Name, address and phone number of Research and Technology Applications Contact  
 Dr. Charles W. Beard, USDA-S&E-ARS-SR, Southeast Poultry Research Lab., 934 College  
 Station Rd., Athens, GA 30613 FTS: 250-3432

Major mission of facility Conduct research on the diseases that cause condemnation losses in poultry.

Personnel as of 12/31/80: Professional 12 All other 23

Percent of effort expended in  
 Research and Development 100%; Testing   ; Other   

Relationship to other organizations  
 Parent Agency U.S. Department of Agriculture, Science and Education  
 Parent Agency Subelements Agricultural Research Service  
 Subordinate organizations Southern Region

Type of Operation  
 Government owned & operated X Leased & government operated     
 Government owned & contractor operated    Contractor owned & operated     
 Major scientific and/or testing equipment Various equipment

Comments     
 Date October 1981

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## Federal Laboratory Information Sheet

Name of Facility Bioenvironmental Insects Control Laboratory  
 Location Stoneville, MS  
 Name of Director Dr. F. I. Proshold

Name, address and phone number of Research and Technology Applications Contact  
 Dr. F. I. Proshold, USDA-S&E-ARS-SR, Bioenvironmental Insects Control Lab.,  
 P.O. Box 225, Stoneville, MS 38776 FTS: 497-2232

Major mission of facility Conduct the pilot test "Management of Tobacco Budworm Populations with the Hybrid Sterile - Male Principle."

Personnel as of 12/31/80: Professional 12 All other 23

Percent of effort expended in  
 Research and Development 100%; Testing   ; Other   

Relationship to other organizations  
 Parent Agency U.S. Department of Agriculture, Science and Education  
 Parent Agency Subelements Agricultural Research Service  
 Subordinate organizations Southern Region

Type of Operation  
 Government owned & operated X Leased & government operated     
 Government owned & contractor operated    Contractor owned & operated     
 Major scientific and/or testing equipment Various equipment

Comments     
 Date October 1981

Federal Laboratory Information Sheet

Name of Facility Composition and Properties Laboratory

Location New Orleans, LA

Name of Director Dr. Ralph Berni

Name, address and phone number of Research and Technology Applications Contact  
Dr. Ralph Berni, USDA-S&E-ARS-SRRC, Composition and Properties Laboratory, 1100 Robert E. Lee Blvd., P.O. Box 19687, New Orleans, LA 70179 FTS: 682-7547

Major mission of facility To evaluate bioassay systems by byssinosis causatives, characterize chemical constituents of cotton dust & major plant parts contributing to the dust and determine biological activity related to byssinosis, & develop basic information on gross and fine structure of textile fibers and assemblies for interpretation of effect of physical & chemical treatments and their relationship to end-use properties.

Personnel as of 12/31/80: Professional 17 All other 17

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Regional Research Center

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Southern Weed Science Laboratory

Location Stoneville, MS

Name of Director Dr. Chester G. McWhorter

Name, address and phone number of Research and Technology Applications Contact  
Dr. Chester A. McWhorter, USDA-S&E-ARS-SR, Southern Weed Science Laboratory, P.O. Box 225, Stoneville, MS 38776 FTS: 497-2221

Major mission of facility Conduct basic and applied research on cotton with special emphasis on physiology and genetics and to develop new techniques and methods to control perennial and other troublesome weeds in the southern states.

Personnel as of 12/31/80: Professional 17 All other 17

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Livestock Insects Research Laboratory

Location Lincoln, NE

Name of Director Dr. Ivan L. Berry

Name, address and phone number of Research and Technology Applications Contact  
Dr. Ivan L. Berry, USDA-S&E-ARS-NCR, Livestock Insects Res. Lab., Univ. of Nebraska-East  
Campus, 305A Plant Industry Bldg., Lincoln, NE 68533 COMM: 402-472-2918 FTS: 541-5267

Major mission of facility Livestock insects research is conducted on integrated  
control of stable and face flies on livestock.

Personnel as of 12/31/80: Professional 25 All other 8

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Southeastern Fruit and Tree Nut Research Laboratory

Location Byron, GA

Name of Director Dr. James W. Snow

Name, address and phone number of Research and Technology Applications Contact  
Dr. James W. Snow, USDA-S&E-ARS-SR, Southeastern Fruit & Tree Nut Res. Lab., P.O. Box 87  
Byron, GA 31008 FTS: 238-0422

Major mission of facility Conduct basic and applied production, marketing, and  
agricultural engineering research in deciduous fruit and nut crops in the Southeast.

Personnel as of 12/31/80: Professional 14 All other 18

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Crop Science and Engineering Research Laboratory

Location Mississippi State, MS

Name of Director Dr. Johnie N. Jenkins

Name, address and phone number of Research and Technology Applications Contact  
Dr. Johnie N. Jenkins, USDA-S&E-ARS-SR, Crop Science and Engineering Research Lab., P.O. Box 5465, Mississippi State, MS 39762 FTS: 490-4676

Major mission of facility Conduct breeding, entomological, pathological, and plant resistance studies on cotton, corn, and Trifolium species for major insect and disease pests and to develop models stimulating growth and yield of agronomic crops using systems methodology and controlled environment experiments.

Personnel as of 12/31/80: Professional 15 All other 17

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Water Quality Management Laboratory

Location Durant, OK

Name of Director Dr. J. Roger McHenry

Name, address and phone number of Research and Technology Applications Contact  
Dr. J. Roger McHenry, USDA-S&E-ARS-SR, Water Quality Management Laboratory, 801 Wilson Street, P.O. Box 1430, Durant, OK 74701 FTS: 736-5401

Major mission of facility Conduct basic and applied research to determine scope and nature surface and ground water quality degradation from use of fertilizers and improving quality of water coming from agricultural lands.

Personnel as of 12/31/80: Professional 18 All other 14

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

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Federal Laboratory Information Sheet

Name of Facility Grassland, Soil and Water Research Laboratory

Location Temple, TX

Name of Director Dr. Earl Burnett

Name, address and phone number of Research and Technology Applications Contact Dr. Earl Burnett, USDA-S&E-ARS-SR, Grassland, Soil & Water Res. Lab., P.O. Box 748, Temple, TX 76501  
FTS: 736-1201

Major mission of facility Basic and applied research on influence of soil-water-plant system on precipitation-evaporation-runoff relations for various land uses and treatments. Development of improved practices for water conservation and erosion control.

Personnel as of 12/31/80: Professional 18 All other 14

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Yakima Agricultural Research Laboratory

Location Yakima, WA

Name of Director Dr. Arthur K. Burditt, Jr.

Name, address and phone number of Research and Technology Applications Contact Dr. Arthur K. Burditt, Jr., USDA-S&E-ARS-WR, Yakima Agricultural Research Lab., 3706 West Nob Hill Road, Yakima, WA 98902  
COMM: 509-575-5877

Major mission of facility The mission of this Laboratory is to conduct research in order to develop new, improved, and more effective methods for control of agricultural pest species in the Northwest. Emphasis is on control of insect pests of horticultural and field crops including codling moth, pear psylla, cherry fruit fly, lygus, peach twig borer, Colorado potato beetle, peach aphid, wireworms, and other species.

Personnel as of 12/31/80: Professional 18 All other 13

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Western Region

Type of Operation

Government owned & operated    Leased & government operated

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Gas chromatographs, mini-computers, insect rearing and environmental chambers, fumigation chambers, Cobalt-60 gamma irradiator.

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Southern Piedmont Conservation Laboratory

Location Watkinsville, GA

Name of Director Dr. James E. Box, Jr.

Name, address and phone number of Research and Technology Applications Contact  
Dr. James E. Box, Jr., USDA-S&E-ARS-SR, Southern Piedmont Conservation Lab., Highway 53  
P.O. Box 555, Watkinsville, GA 30677 FTS: 250-2425

Major mission of facility Basic and applied research on developing principles for soil erosion control, for total water management for conservation and efficient plant use, for control of pesticides in soil and water resources, for poultry waste disposal on farmlands, and for soil fertility maintenance with fertilizers, crop residue, and animal wastes.

Personnel as of 12/31/80: Professional 10 All other 20

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility U.S. Sugarcane Field Laboratory

Location Houma, LA

Name of Director Dr. James E. Irvine

Name, address and phone number of Research and Technology Applications Contact  
Dr. James E. Irvine, USDA-S&E-ARS-SR, U.S. Sugarcane Field Lab., P.O. Box 470  
Houma, LA 70526 FTS: 682-2611

Major mission of facility Basic and applied research on culture, breeding, and control of insect pests and weeds of sugarcane.

Personnel as of 12/31/80: Professional 11 All other 19

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated  Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Natural Polymers Laboratory  
Location New Orleans, LA  
Name of Director Vacant

Name, address and phone number of Research and Technology Applications Contact  
Natural Polymers Laboratory, USDA-S&E-ARS-SRRC, 1100 Robert E. Lee Blvd., P.O. Box 19687  
New Orleans, LA 70179  
FTS: 682-7076

Major mission of facility The major mission of the Laboratory is to conduct their research that provides fundamental knowledge useful to biologically oriented crops research and to industrially oriented food, fiber, and natural polymer research.

Personnel as of 12/31/80: Professional 15 All other 15

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Regional Research Center

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Engineering and Development Laboratory  
Location New Orleans, LA  
Name of Director Dr. Angelo V. Graci, Jr.

Name, address and phone number of Research and Technology Applications Contact  
Dr. Angelo V. Graci, Jr., USDA-S&E-ARS-SRRC, Engineering & Development Lab., 1100  
Robert E. Lee Blvd., P.O. Box 19687, New Orleans, LA 70179  
FTS: 682-7521

Major mission of facility The major mission of this laboratory is to develop new and innovative methods of handling and processing agricultural products which reduce losses, improve energy efficiency, and maintain nutritive and other product quality factors.

Personnel as of 12/31/80: Professional 17 All other 12

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Regional Research Center

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility U.S. Vegetable Laboratory

Location Charleston, SC

Name of Director Dr. Elbert V. Wann

Name, address and phone number of Research and Technology Applications Contact  
Dr. Elbert V. Wann, USDA-S&E-ARS-SR, U.S. Vegetable Laboratory, 2875 Savannah Highway, Charleston, SC 29407  
FTS: 677-4396

Major mission of facility Conduct basic and applied research leading to improved quality, varieties, and production of vegetables through control of its pests and breeding for resistance of plants to diseases, nematodes, etc.

Personnel as of 12/31/80: Professional 12 All other 16

Percent of effort expended in  
Research and Development 100%; Testing       ; Other       

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated       

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment Various equipment

Comments       

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Northern Grain Insects Research Laboratory

Location Brookings, SD

Name of Director Dr. Gerald R. Sutter

Name, address and phone number of Research and Technology Applications Contact  
Dr. Gerald R. Sutter, USDA-S&E-ARS-NCR, Northern Grain Insects Research Laboratory, R. R. #3, Brookings, SD 57006  
FTS: 782-7000

Major mission of facility Conduct basic and applied research leading to (1) improved or new control methods for insects and insect-related diseases affecting grain crops in the North Central States; (2) elucidation of physiological processes that are oil quality and yield of oilseeds; and (3) development of improved barley varieties for the North Central States.

Personnel as of 12/31/80: Professional 13 All other 15

Percent of effort expended in  
Research and Development 100%; Testing       ; Other       

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated X Leased & government operated       

Government owned & contractor operated        Contractor owned & operated       

Major scientific and/or testing equipment       

Comments       

Date October 1981

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Federal Laboratory Information Sheet

Name of Facility Conservation and Production Research Laboratory

Location Bushland, TX

Name of Director Dr. Bobby Stewart

Name, address and phone number of Research and Technology Applications Contact  
Dr. Bobby Stewart, USDA-S&E-ARS-SR, Conservation and Production Res. Lab., P.O. Drawer  
Box 10, Bushland, TX 79012 FTS: 734-2524

Major mission of facility Conduct basic and applied research giving specific attention  
to soil and water conservation problems in the Southern High Plains, Central Rolling  
Red Plains, Pecos-Canadian Plains, and Valley land resource areas.

Personnel as of 12/31/80: Professional 16 All other 12

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Fruit and Vegetable Chemistry Research Unit

Location Pasadena, CA

Name of Director Dr. Vincent P. Maier

Name, address and phone number of Research and Technology Applications Contact  
Dr. Vincent P. Maier, USDA-S&E-ARS-WR, Fruit & Vegetable Chemistry Res. Unit,  
263 S. Chester Avenue, Pasadena, CA 91106 FTS: 681-7294 COMM: 213-681-7294

Major mission of facility Research on the chemistry and biochemistry of plants with  
emphasis on citrus and subtropical fruits and their products and potential crop  
plants such as guayule.

Personnel as of 12/31/80: Professional 14 All other 12

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Western Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Soil Erosions Laboratory

Location W. Lafayette, IN

Name of Director Dr. William C. Moldenhauer

Name, address and phone number of Research and Technology Applications Contact  
Dr. William C. Moldenhauer, USDA-S&E-ARS-NCR, Soil Erosions Laboratory, 2700 Kent Ave., W. Lafayette, IN 47906 FTS: 331-6001 or 7803

Major mission of facility Deals primarily with the erosion phase of the sedimentation processes. Problems of national scope are addressed with particular emphasis on erosion conditions in the Midwest.

Personnel as of 12/31/80: Professional 19 All other 7

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments This Laboratory coordinates with the Soil Conservation Service.

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Biological Control of Insects Research Laboratory

Location Columbia, MO

Name of Director Dr. Carlo M. Ignoffo

Name, address and phone number of Research and Technology Applications Contact  
Dr. Carlo M. Ignoffo, USDA-S&E-ARS-NCR, Biological Control of Insects Res. Lab., P.O. Box A, Columbia, MO 65205 FTS: 276-3194

Major mission of facility Conduct basic research on biological agents to control insect pests.

Personnel as of 12/31/80: Professional 10 All other 15

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Cotton Textile Chemistry Laboratory

Location New Orleans, LA

Name of Director Dr. Sidney Vail

Name, address and phone number of Research and Technology Applications Contact  
Dr. Sidney Vail, USDA-S&E-ARS-SRRC, Cotton Textile Chemistry Lab., 1100 Robert E. Lee  
Blvd., P.O. Box 19687, New Orleans, LA 70179 FTS: 682-7064

Major mission of facility The major mission is to evaluate causes of formaldehyde release from treated textiles and to develop means to control this release.

Personnel as of 12/31/80: Professional 21 All other 3

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Regional Research Center

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

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Federal Laboratory Information Sheet

Name of Facility Cotton Research Laboratory

Location Lubbock, TX

Name of Director Dr. Jerry Quisenberry

Name, address and phone number of Research and Technology Applications Contact  
Dr. Jerry Quisenberry, USDA-S&E-ARS-SR, Cotton Research Laboratory, Route 3  
Lubbock, TX 79401 FTS: 738-7413

Major mission of facility Conduct basic and applied research leading to the development of improved equipment and procedures for ginning cotton grown on the South Plains of Texas.

Personnel as of 12/31/80: Professional 12 All other 11

Percent of effort expended in  
Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment Various equipment

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility U.S. Plant, Soil, and Nutrition Laboratory

Location Ithaca, NY

Name of Director Dr. D. R. Van Campen

Name, address and phone number of Research and Technology Applications Contact  
Dr. D. R. Van Campen, USDA-S&E-ARS-NER, U.S. Plant, Soil, and Nutrition Lab., Cornell Univ., Tower Road, Ithaca, NY 14853 COMM: 607-256-5480 FTS: 882-4280

Major mission of facility Conduct basic research on the effects of the chemical composition of soils as they influence essential elements in the process of moving through the food chain from soils to plants to animals to people.

Personnel as of 12/31/80: Professional 11 All other 9

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Northeastern Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments   

Date October 1981

Federal Laboratory Information Sheet

Name of Facility Dairy Forage Research Center

Location Madison, WI

Name of Director Dr. Raymond J. Bula

Name, address and phone number of Research and Technology Applications Contact  
Dr. Raymond J. Bula, USDA-S&E-ARS-NCR, Dairy Forage Res. Center, Univ. of Wisconsin, Dept. of Agronomy, Rm. 338 Moore Hall, Madison, WI 53706 COMM: 608-262-0377 FTS: 364-5242

Major mission of facility To ensure an adequate science and technology base for the dairy industry so as to more fully utilize the large forage producing potentials of the humid, temperate regions of the U.S.

Personnel as of 12/31/80: Professional 16 All other 2

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

Type of Operation

Government owned & operated X Leased & government operated   

Government owned & contractor operated    Contractor owned & operated   

Major scientific and/or testing equipment   

Comments   

Date October 1981

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Federal Laboratory Information Sheet

Name of Facility Citrus and Sub-Tropical Products Laboratory

Location Winter Haven, FL

Name of Director Dr. Robert E. Berry

Name, address and phone number of Research and Technology Applications Contact  
Dr. Robert E. Berry, USDA-S&E-ARS-SR, Citrus and Sub-Tropical Products Lab., P.O. Box  
1909, Winter Haven, FL 33880 COMM: 813-293-4133Major mission of facility Conduct basic research on chemical composition of citrus  
fruits and applied and development research to develop new or improved citrus  
products and processing technology.

Personnel as of 12/31/80: Professional 12 All other 5

Percent of effort expended in

Research and Development 100% ; Testing \_\_\_\_\_; Other \_\_\_\_\_

## Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations Southern Region

## Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Various equipment

Comments \_\_\_\_\_

Date October 1981

## Federal Laboratory Information Sheet

Name of Facility Weed Research Laboratory

Location St. Paul, MN

Name of Director Dr. Robert N. Anderson

Name, address and phone number of Research and Technology Applications Contact  
Dr. Robert N. Anderson, USDA-S&E, ARS-NCR, Weed Res. Lab., Univ. of Minnesota, Dept. of  
Agronomy, 1590 Gortner Ave., St. Paul, MN 55108 FTS: 786-0855 COMM: 612-373-0877

Major mission of facility Weed control research in soybeans.

Personnel as of 12/31/80: Professional 11 All other 5

Percent of effort expended in

Research and Development 100% ; Testing \_\_\_\_\_; Other \_\_\_\_\_

## Relationship to other organizations

Parent Agency U.S. Department of Agriculture, Science and Education

Parent Agency Subelements Agricultural Research Service

Subordinate organizations North Central Region

## Type of Operation

Government owned & operated  Leased & government operated \_\_\_\_\_

Government owned &amp; contractor operated \_\_\_\_\_ Contractor owned &amp; operated \_\_\_\_\_

Major scientific and/or testing equipment Mass Spectrometer

Comments \_\_\_\_\_

Date October 1981

## Federal Laboratory Information Sheet

Name of Facility Northeastern Forest Experiment StationLocation Broomall, Pa.Name of Director David B. ThorudName, address and phone number of Technology Information Contact Ron Glass  
P&A AD, 370 Reed Road, Broomall, Pa., Phone 814-863-1936Major mission of facility To develop knowledge and technologies of America's forest and related lands and the utilization of its forestry resourcesPersonnel as of 12/31/80: Professional 153 All Other 243

Percent of effort expended in

Research and Development 100%; Testing       ; Other       

Relationship to other organizations

Parent Agency Forest Service, USDAParent Agency Subelements       Subordinate organizations       

Type of Operation

Government owned and operated XGovernment owned and contractor operated       Contractor owned and operated       Leased and government operated       Major scientific and/or testing equipment   </u

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Federal Laboratory Information Sheet

Name of Facility Forest Products Laboratory

Location Madison, Wis.

Name of Director Robert Youngs

Name, address and phone number of Research and Technology Applications Contact  
R. Steidemann, P&A, AD, North Walnut St., Box 5130, Madison, Wisconsin 53705  
608-264-5745

Major mission of facility Forest products research

Personnel as of 12/31/80: Professional 153 All other 186 Total 339

Percent of effort expended in

Research and Development 90; Testing 10; Other 0

Relationship to other organizations

Parent Agency Forest Service, USDA

Parent Agency Subelements  

Subordinate organizations  

Type of Operation

Government owned & operated X Leased & government operated  

Government owned & contractor operated   Contractor owned & operated  

Major scientific and/or testing equipment  

Comments  

Date  

Federal Laboratory Information Sheet

Name of Facility Southern Forest Experiment Station

Location New Orleans, La.

Name of Director Laurence E. Lassen

Name, address and phone number of Technology Information Contact John Henley  
P&A AD, T-10210, U.S. Postal Service Bldg., 701 Loyola Ave, 504-589-6712

Major mission of facility Forestry and related research

Personnel as of 12/31/80: Professional 118 All Other 204

Percent of effort expended in

Research and Development 100%; Testing  ; Other  

Relationship to other organizations

Parent Agency Forest Service, USDA

Parent Agency Subelements  

Subordinate organizations  

Type of Operation

Government owned and operated X

Government owned and contractor operated  

Contractor owned and operated  

Leased and government operated  

Major scientific and/or testing equipment  

Comments  

Date

## Federal Laboratory Information Sheet

Name of Facility Southeastern Forest Experiment StationLocation Asheville, N.C.Name of Director Eldon RossName, address and phone number of Research and Technology Applications Contact Dr. G. Lewis, P&A AD, Post Office Bldg., Box 2570, Asheville, NC 28804 704-258-2850Major mission of facility Forestry and related researchPersonnel as of 12/31/80: Professional 137 All other 150 Total 287

Percent of effort expended in

Research and Development 100; Testing       ; Other       

Relationship to other organizations

Parent Agency Forest Service, USDAParent Agency Subelements       Subordinate organizations       

Type of Operation

Government owned & operated X Leased & government operated       Government owned & contractor operated        Contractor owned & operated       Major scientific and/or testing equipment       Comments       Date       

## Federal Laboratory Information Sheet

Name of Facility Pacific Northwest Experiment StationLocation Portland, OregonName of Director Robert L. EthingtonName, address and phone number of Technology Information Contact Eldon Estep, 809 NE 6th Ave., Portland, Oregon, Phone 503-231-2059Major mission of facility To develop knowledge and technologies of America's forest and related lands and the utilization of its forestry resources.Personnel as of 12/31/80: Professional 151 All Other 131

Percent of effort expended in

Research and Development 100%; Testing       ; Other       

Relationship to other organizations

Parent Agency Forest Service, USDAParent Agency Subelements       Subordinate organizations       

Type of Operation

Government owned and operated XGovernment owned and contractor operated       Contractor owned and operated       Leased and government operated       Major scientific and/or testing equipment       Comments       Date

## Federal Laboratory Information Sheet

Name of Facility Pacific Southwest Forest Experiment Station  
 Location Berkeley, CA  
 Name of Director Robert Z. Callaham  
 Name, address and phone number of Technology Information Contact Richard Hubbard, P&A AD, 1960 Addison St., Box 245, Berkeley, CA, 415-486-3286  
 Major mission of facility To research forestry and its related fields

Personnel as of 12/31/80: Professional 126 All Other 129

Percent of effort expended in

Research and Development 100%; Testing       ; Other       

Relationship to other organizations

Parent Agency Forest Service, USDA

Parent Agency Subelements       

Subordinate organizations       

Type of Operation

Government owned and operated X

Government owned and contractor operated       

Contractor owned and operated       

Leased and government operated       

Major scientific and/or testing equipment       

Comments       

Date       

## Federal Laboratory Information Sheet

Name of Facility Intermountain Forest and Range Experiment Station  
 Location Ogden, Utah  
 Name of Director Roger R. Bay  
 Name, address and phone number of Technology Information Contact Keith Evans P&A AD, 507 25th St., Ogden, Utah, Phone 801-626-3361  
 Major mission of facility To research forestry, range and related resources

Personnel as of 12/31/80: Professional 144 All Other 96

Percent of effort expended in

Research and Development 100%; Testing       ; Other       

Relationship to other organizations

Parent Agency Forest Service, USDA

Parent Agency Subelements       

Subordinate organizations       

Type of Operation

Government owned and operated X

Government owned and contractor operated       

Contractor owned and operated       

Leased and government operated       

Major scientific and/or testing equipment       

Comments       

Date

Federal Laboratory Information Sheet

Name of Facility Rocky Mountain Forestry and Range Experiment Station

Location Fort Collins, Col.

Name of Director Dixie Smith (Acting)

Name, address and phone number of Technology Information Contact Jay Krammes,  
P&A AD, 240 W. Prospect St., Fort Collins, Col., Phone 303-221-4390

Major mission of facility Forestry and related resource research.

Personnel as of 12/31/80: Professional 112 All Other 118

Percent of effort expended in

Research and Development 100%; Testing   ; Other   

Relationship to other organizations

Parent Agency Forest Service, USDA

Parent Agency Subelements   

Subordinate organizations   

Type of Operation

Government owned and operated X

Government owned and contractor operated   

Contractor owned and operated   

Leased and government operated   

Major scientific and/or testing equipment   

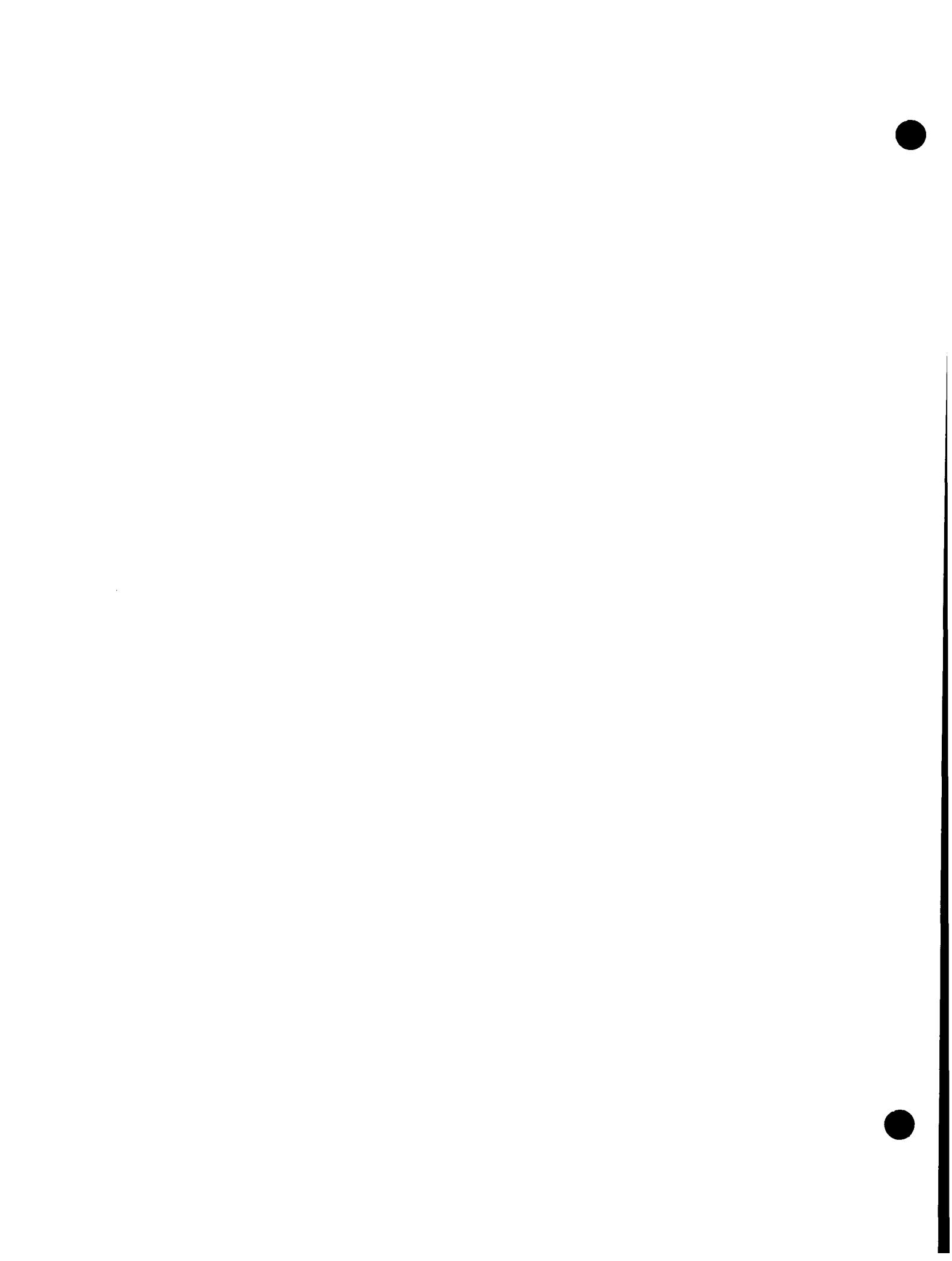
Comments   

Date

**VETERANS ADMINISTRATION**

271/272

**V A**



VETERANS ADMINISTRATION MEDICAL CENTERS  
WITH 10 OR MORE INVESTIGATORS

VETERANS ADMINISTRATION MEDICAL CENTERS  
WITH 10 OR MORE INVESTIGATORS

VAMC ADDRESS	ASSOCIATE CHIEF OF STAFF FOR RESEARCH AND DEVELOPMENT	FTS TELEPHONE NO.	VAMC ADDRESS	ASSOCIATE CHIEF OF STAFF FOR RESEARCH AND DEVELOPMENT	FTS TELEPHONE NO.
ALBANY, NY 12208	Charles Bruce Taylor, M.D.	563-9374	DALLAS, TX 75216 4500 South Lancaster Rd.	Mark Feldman, M.D.	749-5382
ALBUQUERQUE, NM 87108 2100 Ridgecrest Dr. S.E.	William P. Reed, M.D.	572-9319	DENVER, CO 80220 1055 Clermont Street	John J. Franks, M.D.	322-3447
ANN ARBOR, MI 48105 2215 Fuller Rd.	William O. Dobbins, III, M.D.	374-5333	DURHAM, NC 27705 508 Fulton Street	Gerald Logue, M.D.	629-6500
AUGUSTA, GA 30904	James W. Holsinger, Jr. M.D.	251-2443	EAST ORANGE, NJ 07019	Richard Peter Wedeen, M.D.	342-1269
BEDFORD, MA 01730 200 Springs Road	Ira Sherwin, M.D.	840-0530	GAINESVILLE, FL 32602 Archer Road	William Thomas, Jr., M.D.	947-6069
BIRMINGHAM, AL 35233 700 South 19th Street	E. E. Eddleman, Jr., M.D.	534-6323	HINES, IL 60141 Edward Hines, Jr. Hospital	Edward Paloyan, M.D.	387-3291
BOSTON, MA 02130 150 South Huntington, Ave.	Oscar C. Bing, M.D.	839-0771	HOUSTON, TX 77211 2002 Holcombe Boulevard	Ismet Karacan, M.D.	527-7469
BRONX, NY 10468 130 West Kingsbridge Rd.	Herbert Rose, M.D.	212-579-1630 (Commercial)	INDIANAPOLIS, IN 46202 1481 West 10th Street	Ting Kai Li, M.D.	332-2525
BROOKLYN, NY 11209 800 Poly Place	Albert B. Eisenstein, M.D.	265-6351	IOWA CITY, IA 52240	Philip George Schmid, Jr., M.D.	863-6246
BUFFALO, NY 14215 3495 Bailey Avenue	Jack K. Goldman, M.D.	432-9502	KANSAS CITY, MO 64128 4801 Linwood Boulevard	David V. Cohn, Ph.D.	754-1501
CHARLESTON, SC 92403 109 Bee Street	John A. Colwell, M.D.	677-7346	LEXINGTON, KY 40507	Russell G. McAllister, Jr.	355-2635 Ext. 517
CHICAGO, IL 60611 (Lakeside) 333 East Huron Street	Theodore N. Pullman, M.D.	384-8511	LITTLE ROCK, AR 72206 300 Roosevelt Road	Karl D. Straub, M.D.	740-2455
CHICAGO, IL 60680 (West Side) 820 South Damen Avenue	Frank A. DeLeon-Jones, M.D.	388-8744	LONG BEACH, CA 90822 5901 East 7th Street	Robert W. Porter, M.D., Ph.D.	799-9711
CINCINNATI, OH 45220 3200 Vine Street	Ronald E. Myers, M.D.	773-4318	LOS ANGELES, GA 90073 (Brentwood Division) 11301 Wilshire Blvd	Eustace A. Serafetinides, M.D., Ph.D.	794-2460
CLEVELAND, OH 44106 10701 East Boulevard	Charles L. Hoppel, M.D.	294-7521	LOS ANGELES, CA 90073 (Wadsworth Division)	Lucien B. Guze, M.D.	794-2347
COLUMBIA, MO 65201 800 Stadium Road	Travis Solomon, M.D.	276-6453	MADISON, WI 53705 2500 Overlook Terrace	Theodore L. Goodfriend, M.D.	364-1277

VETERANS ADMINISTRATION MEDICAL CENTERS  
WITH 10 OR MORE INVESTIGATORS

<u>VAMC ADDRESS</u>	<u>ASSOCIATE CHIEF OF STAFF FOR RESEARCH AND DEVELOPMENT</u>	<u>FTS TELEPHONE NO.</u>
MARTINEZ, CA 94553 150 Muir Road	Robert Efron, M.D.	450-0596
MEMPHIS, TN 38104 1030 Jefferson Avenue	Andrew H. Kang, M.D.	222-7266
MIAMI, FL 33125 1201 Northwest 16th St.	Lawrence M. Fishman, M.D.	350-3211
MINNEAPOLIS, MN 55417 54th St. & 48th Ave., South	Michael David Levitt, M.D.	784-6561
NASHVILLE, TN 37203 1310 24th Avenue, South	Conrad Wagner, Ph.D.	852-9771
NEW ORLEANS, LA 70146 1601 Perdido Street	Robert E. Burch, M.D.	682-5279
NEW YORK, NY 10010 First Ave. at East 24th St.	Vincent J. Fisher, M.D.	660-9667
OKLAHOMA CITY, OK 73104 921 Northeast 13th Street	Michael F. Wilson, M.D.	743-3582
OMAHA, NE 68105 4101 Woolworth Avenue	M. F. Sorell, M.D.	864-0404
PALO ALTO, CA 94304 3801 Miranda Avenue	Franklin G. Ebaugh, M.D.	449-5410
PHILADELPHIA, PA 19104 University & Woodland Aves.	David M. Capuzzi, M.D.	488-9549
PITTSBURGH, PA 15240 (U.D.) University Dr. C	Martin Sax, Ph.D.	726-3426
PORLND, OR 97201 3710 S. W. U.S. Veterans Hospital Road	John W. Kendall	424-9221
RICHMOND, VA 23249 1201 Broad Rock Road	Franklin J. Zieve, M.D.	925-9421
ST. LOUIS, MO 63125	Francis J. Carey, M.D.	276-4356
SALT LAKE CITY, UT 84148 500 Foothill Boulevard	E. Andrew Deiss, Jr., M.D.	588-1514

VETERANS ADMINISTRATION MEDICAL CENTERS  
WITH 10 OR MORE INVESTIGATORS

<u>VAMC ADDRESS</u>	<u>ASSOCIATE CHIEF OF STAFF FOR RESEARCH AND DEVELOPMENT</u>	<u>FTS TELEPHONE NO.</u>
SAN ANTONIO, TX 78284 7400 Merton Minter Blvd.	Frederic C. Bartter, M.D.	738-0463
SAN DIEGO, CA 92161 3350 LaJolla Village Dr.	Lee W. Henderson, M.D.	897-3657
SAN FRANCISCO, CA 94121 4150 Clement Street	Thomas B. Bradley, Jr., M.D.	470-4446
SEATTLE, WA 98108 4435 Beacon Ave., South	Daniel Porte, Jr., M.D.	396-1493
SEPULVEDA, CA 91343	Isadore Michael Samloff, M.D.	960-9481
SYRACUSE, NY 13210 Irving Avenue and University Place	Stephen A. Landaw, M.D.	953-7401
TAMPA, FL 33612 13000 North 30th Street	Robert V. Farese, M.D.	826-6566
TUCSON, AZ 85723	Stanton G. Axline, M.D.	765-6424
WASHINGTON, DC 20422 50 Irving Street, N.W.	Richard F. Levine, M.D.	389-7277
WEST HAVEN, CT 06516 West Spring Street	Philip Kramer Bondy, M.D.	641-7608
WEST ROXBURY, MA 02132 1400 Veterans of Foreign Wars Parkway	Amico Bignami, M.D.	837-5430
WOOD, WI 53193 (MILWAUKEE) 5000 West National Ave.	Jordan N. Fink, M.D.	362-7611



APPENDIX A

APR 8 1981



Mr. James M. Wyckoff  
Liaison Officer  
State and Local Government Affairs  
United States Department of Commerce  
National Bureau of Standards  
Washington, D.C. 20234

Dear Mr. Wyckoff:

This is in response to your letter dated March 24, 1981 requesting information about the Veterans Administration Research and Development program. We understand that this information is needed for preparing an updated reference document on Federal laboratories.

Biomedical, Health Services, and Rehabilitative Engineering research is conducted at approximately 129 VA medical centers and medical clinics. The appended listing identifies 60 VA facilities which have 10 or more principal investigators conducting centrally reviewed and funded research programs. This listing identifies the address of each of these medical centers as well as the name and telephone number of the Associate Chief of Staff for Research and Development.

A brief summation of the VA's Research and Development program, highlighting its unique features, may help to clarify the difficulty we have in providing the requested data as outlined on your Information Sheet. Research and Development within the VA is chiefly an intramural program in which clinician-investigators at VA medical centers study problems arising during their care of veteran patients. Non-clinical scientists in VA medical centers work in close collaboration with clinicians and support their research efforts. The research projects are primarily investigator initiated. Consequently, research conducted at any one VA medical facility covers a broad range of program areas, e.g., cardiovascular, pulmonary, behavioral science. All VA studies are in concert with the overall mission of providing the best available health care for veteran patients.

Equipment and instrumentation needed for the conduct of research is provided as a common resource to be used by several investigators at a medical center or may be purchased for and used by only one investigator. Data on equipment and instrumentation purchased with an

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acquisition cost of \$2,000 or more are available for each medical center. However, we evaluate that a listing for each of the 60 aforementioned VA medical centers, even if limited to equipment and instrumentation with an acquisition cost of over \$10,000, would not be practical for the purpose of your request.

Please contact me at 389-2616 for any questions you may have or further discussion.

Sincerely,



HOLLIS G. BOREN, M.D.

Assistant Chief Medical Director  
for Research and Development

Enclosure