SEMIANNUAL HISTORICAL REPORT (U)

HEADQUARTERS FIELD COMMAND, DASA

1 January 1970 - 30 June 1970

(deleted version)

DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

FCPA 9 October 1970

SUBJECT: Semiannual Historical Reports

Director
Defense Atomic Support Agency
Washington, D.C. 20305

Reference DASA Instruction 5100.3, dated 7 Mar 69, semiannual historical reports for the period 1 January 1970 - 30 June 1970 are submitted for Headquarters Field Command, Manzano Base and Sandia Base.

FOR THE COMMANDER:

CHESTER BRUCE HANSON
Director of Public Affairs

Incls
as (copies 1A)

THIS IS A LETTER OF TRANSMITTAL ONLY
CLASSIFICATION WILL BE U
WHEN INCLOSURES ARE DETACHED.

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SUBJECT: [redacted]

Director
Defense Atomic Support Agency
Washington, D.C. 20305

Reference: DASA Instruction 3200.1, dated [redacted]
[redacted] classified reports [redacted]
January 1970 - 30 June 1970 [redacted]
Operators Field Command, [redacted]
Base.

FOR THE COMMANDER:

CHESTER KEITH HANSEN
Director of Public Affairs

Incls
as (copies 2A)

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Semiannual History
FIELD COMMAND, DASA
1 January 1970 - 30 June 1970

TABLE OF CONTENTS

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HEADQUARTERS FIELD COMMAND
DEFENSE ATOMIC SUPPORT AGENCY
SANDIA BASE, ALBUQUERQUE, NEW MEXICO

Major General Francis W. Nye, USAF, Commander

I. (U) ACTIVATION: As recorded on pages 1 through 4, Volume I, Semiannual History of Field Command, DASA, for the period 1 July 1964 through 31 December 1964.

II. (U) MISSION: Commander, Field Command, as an operating agent of Director, DASA, provides technical, logistical and training advice and services in the field of nuclear weapons in support of Director, DASA's Mission to provide support of the Secretary of Defense, the Joint Chiefs of Staff, the Military Departments and such other DOD components as may be appropriate, in matters concerning nuclear weapons, nuclear weapons effects, nuclear weapon testing, and such other aspects of the DOD nuclear energy program as may be directed by the Secretary of Defense.

III. (U) ORGANIZATION: The organization of the Defense Atomic Support Agency (DASA) and of Field Command was under a constant state of review throughout this period. The DASA Headquarters organization underwent an interim reorganization on 1 May 70, and received final approval for reorganization into a J-Staff structure effective 1 July 1970. It remains a joint command of all the Armed Forces -- Army, Navy, Air Force and Marine Corps. Headquarters Field Command underwent only minor organizational readjustments to compensate for loss of all but two of the command bases; consolidation of the two remaining bases into a single base and a supported operating site; and numerous reductions in personnel. The structure of the Command Section of the Field Command Headquarters was reorganized on 6 April 1970 to improve command and control. The revised organization is now composed of a Commander, a Deputy Commander, a Chief of Staff and an Administrative Office of the Command Section. The various staff directorates and activities remained as reported in previous reports as modified by individual sections in this report.

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IV. (U) PERSONNEL: Command Section personnel during the period covered by this report include the following persons, date of assignment to Headquarters Field Command, Sandia Base, and date of transfer, change of title or retirement:

COMMANDER

Major General Francis W. Nye, USAF	31 Oct 69
Since 31 Oct 69	

DEPUTY COMMANDER

Rear Admiral William H. Livingston, USN	22 Aug 69
Since 22 Aug 69	
Captain George L. Block, USN	8 Sep 66
6 Sep 66 to title change 6 Apr 70	

CHIEF OF STAFF

Captain George L. Block, USN	6 Sep 66
6 Apr 70 to Retirement 30 Jun 70	
Colonel Gerald W. Homann, USA	19 Jun 70
Since 19 Jun 70	

EXECUTIVE OFFICER

Colonel William P. Carter, USAF	30 Jul 65
Chief, FCDV, 30 Jul 65 25 May 68 to title change 6 Apr 70	

SPECIAL ASSISTANT TO DEPUTY COMMANDER

Colonel William P. Carter, USAF	30 Jul 65
Since 6 Apr 1970	

[redacted]

[redacted]

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ADMIN OFFICER FOR DEPUTY COMMANDER

Major Kenneth L. Herndon, USAF — 15 Aug 69

15 Aug 69 to title change 6 Apr 70

ADMIN OFFICER TO THE COMMAND SECTION

Lt Col Kenneth L. Herndon, USAF — 15 Aug 69

Since 6 Apr 70

AIDE TO THE COMMANDER

Captain Jerry V. Brown, USAF — 1 Jun 67

FCDV to 1 Oct 69
Since 1 Oct 69

TECHNICAL ASSISTANT TO DEPUTY COMMANDER

Lt Ronald D. Tucker, USN — 21 Nov 69

Since 21 Nov 69

ADMIN ASSISTANT TO THE COMMANDER

Mrs. Carolyn Wilson, Civ, GS-7 — 18 Mar 54
Other FC Offices 18 Mar 54 to 2 Nov 58
Since 2 Nov 68

V. (U) ACTIVITIES:

a. The activities of the various staff directorates and activities of Field Command are described elsewhere in this volume comprising Field Command, DASA, semiannual history.

b. There were ten (10) General Orders issued by this headquarters during this period, appearing under the Adjutant General Section and the activity or directorate concerned.

c. Major General Francis W. Nye assumed command of Test Command, DASA, as an additional duty effective 1 April

[redacted]

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1970. As a consequence of this additional duty, the two headquarters, Test Command and Field Command, are enjoying a closer working relationship and greatly improved exchange of information.

d. Rear Admiral William H. Livingston was assigned an additional duty on 1 April 1970 as Primary Project Officer for the THOR High Altitude Test Vehicle Test Planning Group (TTPG) under control of Defense Atomic Support Agency. This additional duty involved detailed planning and preparation for the THOR/HATV Development Test which is scheduled to take place in late summer or early fall 1970. This additional duty was formalized by DASA General Order 32 on 25 June 1970 which activates JTF-8 effective 1 July 1970 under the command of Admiral Livingston to carry out the THOR/HATV development test.

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SEMIANNUAL HISTORICAL REPORT
FOR PERIOD 1 JANUARY THRU 30 JUNE 1970
SECRETARY TO THE STAFF

Lieutenant Colonel Vernon P. Terry, Jr., USAF
Secretary to the Staff, July 1969 -

I. (U) Activation: The Office of the Secretary to the Staff (FCSS) was activated on 9 March 1967 by General Order #6 from the resources of the Plans Group (FCPL).

II. (U) Mission:

Secretary to the Staff

1. Acts as office manager for office of the command element.

2. Arranges for the reception of visitors to Headquarters Field Command.

3. Provides airlift coordination for Field Command, requesting and scheduling flights in support of Field Command.

4. Supervises and coordinates the duties of the Staff Duty Officer.

5. Coordinates custodial and maintenance services in Building 200.

6. Assists the Executive Officer in the accomplishment of his assigned duties and responsibilities.

Visitors Bureau

1. Directs, schedules and makes arrangements for the meeting, transporting and billeting of official military and civilian visitors.

2. Determines that security requirements have been satisfied, issues security badges and presents security briefings for incoming visitors to Field Command.

III. (U) Organization: Secretary to the Staff is comprised of the Office of the Secretary to the Staff and the Visitors Bureau with missions as stated in II, above.

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IV. (U) Personnel:

1. Key personnel on duty with the Secretariat during the period of this report are listed below:

Lt Col Vernon P. Terry, Jr., ., Jan - Jun 70
Lt Col Sidney A. Webb, , Jan - Jun 70
CPT Francis J. Costello, , Feb - May 70
SSG Earthel B. King, , Jan - Jun 70
SSgt Allen W. Potter, Jan - Jun 70

2. Authorized Strength

	Officer	Enlisted	Civilian	Total
Army	1	2		3
Navy				0
Air Force	2	1		3
Civilian			2	2
Total	3	3	2	8

3. Assigned Strength (as of 30 June 1970):

	Officer	Enlisted	Civilian	Total
Army		2		2
Navy				0
Air Force	2	1		3
Civilian			2	2
Total	2	3	2	7

V. (U) Activities: During the period covered by this report, the Secretariat accomplished the following:

1. Planned, coordinated or supported the following special briefings for VIPs to Headquarters, Field Command.

a. Orientation of Senior Military and Civilian Personnel of DOD Activities, 16 - 17 March.

b. Department of State Senior Seminar in Foreign Policy, 20 - 21 April.

c. Inter-American Defense Board, 2 - 3 June.

[redacted]

[redacted]

[redacted]

2. Visits to Bases and Headquarters DASA by Commander and Deputy Commander Field Command:

13 Jan	Maj Gen Nye and party to Headquarters DASA
22 Jan	Maj Gen Nye and party to Santa Fe, N. M.
22 Jan	Maj Gen Nye and party to Barksdale AFB, La.
27 Jan	Maj Gen Nye and party to Oakland, Calif.
11 Feb	RADM Livingston and party to McGhee-Tyson, Tenn. and Bush Field, Ga. (Augusta)
26 Feb	Maj Gen Nye and party to Chicago, Ill.
27 Feb	RADM Livingston and party to Alameda, Calif.
12 Mar	RADM Livingston and party to NAS Lemoore, Calif.
11 Mar	Maj Gen Nye and party to Indian Springs, Nev.
14 Mar	RADM Livingston and party to NAS Lemoore, Calif.
22 Apr	Maj Gen Nye and party to Indian Springs, Nev.
22 May	RADM Livingston and party to Headquarters DASA
4 May	Maj Gen Nye and party to Indian Springs, Nev.
7 May	Maj Gen Nye and party to Indian Springs, Nev.
12 May	Maj Gen Nye and party to Los Angeles & Norton AFB, Calif.
25 May	Maj Gen Nye and party to Indian Springs, Nev.
4 Jun	Maj Gen Nye and party to Colorado Springs, Colo.
17 Jun	Maj Gen Nye and party to Headquarters DASA

3. During this period, arrangements were made for the transportation and billeting of 381 military members in the grade of 06 and above or civilian equivalents. The Field Command Visitors Bureau issued a total of 1,294 temporary security badges for special conferences and 11 courses offered by the Field Command Nuclear Training Directorate.

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4. Air Force Special Weapons Center at Kirtland AFB maintains a fleet of aircraft for pilot proficiency which includes two T-29 and one T-39. Personnel of this command utilized them for official travel as far as possible. During 1 January - 30 June 1970, AFSWC supported 34 of our 42 requests for airlift.

5. On 9 April the Visitors Bureau was transferred from the Secretary to the Staff to the Public Information Office.

6. This is the final historical report since the Secretary to the Staff will be deleted from the JTD on 1 July 1970.

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SEMIANNUAL HISTORICAL REPORT
FOR PERIOD 1 JANUARY THRU 30 JUNE 1970
EQUAL EMPLOYMENT OPPORTUNITY OFFICE

Salvadore Del Valle
Equal Employment Opportunity Officer

I. (U) ACTIVATION: As recorded in Semiannual Report for the period 1 July thru 31 December 1969.

II. (U) MISSION: As recorded in Semiannual Report for the period 1 July thru 31 December 1969.

III. (U) ORGANIZATION: As recorded in Semiannual Report for the period 1 July thru 31 December 1969.

IV. (U) PERSONNEL:

Salvador Del Valle, Equal Employment Opportunity Officer, GS-13, 17 July 1967

Elizabeth Truitt, Secretary-Stenographer, GS-5, 28 August 1967

V. (U) ACTIVITIES: During the period covered by this report, the Equal Employment Opportunity Officer has accomplished the following:

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1. From January through June, conducted EEO discussions and orientation visits at Sandia Base Army Hospital, Army Materiel Command Field Office, Test Command and Sandia Base.

2. In conjunction with FCPS5, conducted a review of Placement Actions for the first and second quarters of calendar year 1970.

3. Continued to participate in American GI Forum and League of United Latin American Citizens, both Spanish American organizations.

4. Maintained frequent contacts with the Civil Service Commission and minority group organizations.

5. On 5 March and 11 May participated in Familiarization Training for supervisors and employees.

6. On 23, 24 and 25 March attended EEO Officers conference at Colorado Springs.

7. On 27 March received the Meritorious Service Award.

8. On 9 April introduced Mr. Robert Ornelas, Government Contract Compliance Officer and Mr. Robert Barela of the Skills Bank, Operation SER, to General Francis Nye.

9. On 13 April gave a presentation to the Commanding Officer, Sandia Base and the AFGE Union officials on the specific objectives of the EEO program.

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10. On 23 April attended the formal opening of the new location of the Equal Employment Opportunity Commission in Albuquerque and met the chairman of EEOC, Mr. William Brown III from Washington, D. C.

11. On 30 April attended a meeting at Kirtland Air Force base at which Mr. Nicholas J. Organovic, Executive Director of the Civil Service Commission talked about EEO policies.

12. On 3 May received a promotion to a GS-13.

13. On 4 May visited the high schools, colleges and community centers to announce the Summer Youth program.

14. On 7 May published an annual evaluation report of the Field Command EEO program.

15. On 15 May a formal complaint was filed in this office based on ethnic background.

16. Made arrangements for two minority speakers from Albuquerque to speak on 19 and 20 May to military and civilian supervisors at the Sandia Base Theater on Spanish American and American Indian culture.

17. On 28 May completed a course at the University of New Mexico, subject, Intergovernmental Administrative Relations.

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18. Compiled a Minority Group Employment Census Report as of 31 May

19. Moved the EEO office from Building 201D to 203A on 3 June.

20. On 3 June interpreted for Inter-American visitors.

21. The EEO Counselors counseled 10 employees during this reporting period. All the complaints were settled informally except one.

22. Thirty persons, including youths and military retirees, visited this office inquiring about employment.

[redacted]

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[redacted]

OFFICE OF THE INSPECTOR GENERAL

Colonel William M. Black, USAF, Inspector General

1 January 1970 - 30 June 1970

I. ACTIVATION: As recorded in Semiannual Historical Report of the Office of the Inspector General, dated 1 January to 30 June 1964.

II. MISSION: As recorded in Semiannual Historical Report of the Office of the Inspector General, dated 1 July to 31 December 1964.

III. ORGANIZATION: The following is the manning status of this office as of 30 June 1970.

AUTHORIZED STRENGTH

	Officers and Warrant Officers						Enlisted				Total
	06	05	04	03	02	WO	E-7	E-6	E-5	E-4	
Army	1	1	3	3	0	2					10
Navy	2	0	3	3	0	1			1		10
Air Force	3	1	4	4	1	0					13
	6	2	10	10	1	3			1		33

ASSIGNED STRENGTH

	Officers and Warrant Officers						Enlisted				Total
	06	05	04	03	02	WO	E-7	E-6	E-5	E-4	
Army	1	2	3	2	0	3					11
Navy	2	0	3	1	1	3			1		11
Air Force	3	3	2	7	0	0					15
	6	5	8	10	1	6					37

Civilians GS-6 1 GS-5 2 GS-4 2

[redacted]

[redacted]

[redacted]

IV. PERSONNEL: Key personnel on duty in this office during the period covered by this report, along with their date of assignment to DASA are as follows

Colonel William M. Black Inspector General since 5 September 1969	10 August 1969
Captain Tony F. Schneider Assistant Inspector General since 3 July 1969	3 July 1969
Captain Paul J. Brownlow Assistant Inspector General since 14 November 1969	14 November 1969
Colonel Siegfried E. Ristau, Assistant Inspector General since 27 January 1969	27 January 1969
Colonel Paul C. Hunner, Assistant Inspector General since 17 November 1969	17 November 1969
Colonel Alphonso A. Topp, Jr. Assistant Inspector General from 13 July 1968 to 30 June 1970	13 July 1968
Lt Col Edwin J. Rackham, Chief of Technical Operations Division since 1 August 1967	8 February 1967
LTC Alex F. DeGiovanni, Chief of General Inspection Division Since 7 June 1969	2 September 1967

V. ACTIVITIES:

A. General Inspection Division

1. Five Annual General Inspections (AGI's) were conducted during the period 1 January 1970 through 30 June 1970. Listed below are the bases and units inspected including the date of the inspection:

Livermore Division	14-15 January 1970

[redacted]

[redacted]

[redacted]

Headquarters and Headquarters Company, U. S. Army Element	9 February 1970
Medical Company, U. S. Army Element	10 February 1970
WAC Detachment, U. S. Army Element	11 February 1970
Manzano Base	18-22 May 1970

B. Technical Operations

Technical Standardization Inspections conducted·

Units under Army Jurisdiction:

Battery B, 2d Battalion (HERC) 176th Artillery (PARNG)	6-7 January 1970
Battery C, 2d Battalion (HERC) 176th Artillery (PARNG)	8-9 January 1970
Battery D, 3d Battalion (HERC) 1st Artillery	12-13 January 1970
Battery A, 5th Battalion 1st Artillery	13-14 January 1970
Battery D, 5th Battalion 1st Artillery	15-16 January 1970
96th Ordnance Company	19-23 January 1970
619th Ordnance Company	26-30 January 1970
9th Ordnance Company	2-6 February 1970
83d U. S. Army Missile Detachment	24-25 February 1970
4th Battalion, 80th Artillery	25-26 February 1970
Team A, 43d Artillery Detachment	26-27 February 1970

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4th Field Artillery, Missile Detachment	9-10 March 1970
69th Field Artillery, Missile Detachment	11-12 March 1970
Team A, 66th U.S. Army Artillery Detachment	16-17 March 1970
78th Engineer Battalion	18-19 March 1970
Nuclear Weapons Support Section (NH), Fort Devens	7-8 April 1970
Battery B, 1st Battalion (NH) 241st Artillery (MARNG)	9-10 April 1970
Battery D, 1st Battalion (NH) 192d Artillery	13-14 April 1970
Battery C, 3d Battalion (NH) 5th Artillery	16-17 April 1970
577th Engineer Platoon	20-21 April 1970
588th Engineer Platoon	22-23 April 1970
515th Ordnance Company	22-24 April 1970
Battery B, 1st Battalion 65th Artillery	29 April 1970
Battery D, 1st Battalion 65th Artillery	30 April 1970
Battery C, 1st Battalion 244th Artillery (NYARNG)	11 May 1970
Battery A, 1st Battalion (NH) 244th Artillery (NYARNG)	13 May 1970
509th Engineer Platoon	25-26 May 1970

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7th Field Artillery Missile Detachment	27-28 May 1970
Team B, 35th U. S. Army Artillery Detachment	1-2 June 1970
Team A, 35th U. S. Army Artillery Detachment	3-4 June 1970
2d Squadron Armored Cavalry	8-9 June 1970
HQS & B Batteries, 3d Battalion 71st Artillery	11-12 June 1970
HQS & D Batteries, 2d Battalion, 56th Artillery	15-16 June 1970
Battery A, 4th Battalion (HERC) 44th Artillery	11-12 June 1970
3d U.S. Army Missile Detachment	17-18 June 1970
7th Ordnance Company	15-17 June 1970
161st Engineer Company	18-19 June 1970
2d Engineer Battalion	22-23 June 1970

Units under Navy Jurisdiction

Naval Weapons Stations Fallbrook Annex	14-16 January 1970
Naval Weapons Station Seal Beach	19-23 January 1970
NBCWS, Sub Unit, MACS-1 Detachment "J"	26-28 January 1970
USS R. A. OWENS (DD827)	27-28 January 1970
USS O'RION (AS-18)	29-30 January 1970
USS SAMUEL GOMPERS (AD 37)	29-31 January 1970

[redacted]

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USS MAUNA LOA (AE 8)	2 February 1970
USS ISLE ROYAL (AD 29)	2-3 February 1970
USS PARICUTIN (AE 19)	5 February 1970
USS CLAMAGORE (SS 343)	5-6 February 1970
USS DALE (DLG 19)	9-10 February 1970
USS PUGET SOUND (AD 38)	9-10 February 1970
USS GRAND CANYON (AD 28)	11-12 February 1970
US Naval Station, Rota, Spain	2-6 March 1970
US Naval Station, Roosevelt Rd. P. R.	5-6 March 1970
USS ANDREW JACKSON (SSBN 619)	9-10 March 1970
USS ALEXANDER HAMILTON (SSBN 617)	10-11 March 1970
USS HOLLAND (AS-32)	12-13 March 1970
USS THOMAS JEFFERSON (SSBN 618)	16-18 March 1970
USS SIMON LAKE (AS 33)	17-18 March 1970
USS SNOOK (SS592)	19 March 1970
USS GEORGE WASHINGTON (SSBN 598)	19-20 March 1970
US Naval Aviation Weapons Facility, Scotland	23-25 March 1970
Company B, 11th Engineer Battalion (Marine)	24 March 1970
Company B, 3d Engineer Battalion (Marine)	24 March 1970
USS HALEAKOLA (AE 25)	30 March 1970

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USS HALSEY (DLG 23)	23 April 1970
Naval Weapons Station, Yorktown	13-17 April 1970
USS INTREPID (CVS 11)	20-21 April 1970
USS JOHN ADAMS (SSBN 620)	20-21 April 1970
USS CORPORAL (SS 346)	22 April 1970
USS NITRO (AE 23)	23-24 April 1970
USS RUSH (DD 714)	27-28 April 1970
USS CHARLES P. CECIL (DD 835)	28 April 1970
U. S Naval Air Facility, Naha	27-28 April 1970
USS KOELSCH (DE 1049)	1 May 1970
Naval Air Station, Barbers Point	4-5 May 1970
USS SPERRY (AS 12)	26-27 May 1970
USS IWO JIMA (LPH 2)	27-28 May 1970
USS DIXIE (AD 14)	1-2 June 1970
Naval Air Station, Alameda	4-5 June 1970
USS KILAUEA (AE 26)	8-9 June 1970
USS BRUMBY (DE 1044)	9-10 June 1970
USS TATTNALL (DDG 19)	11-12 June 1970
USS INDEPENDENCE (CVA 62)	15-17 June 1970
USS FURSE (DD 882)	18-19 June 1970
USS DAHLGREN (DLG 12)	22-23 June 1970
USS LAPON (SSN 661)	24-25 June 1970

[redacted]

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Units under Air Force Jurisdiction

351st Missile Maintenance Squadron	15-16 January 1970
Detachment 1, 1st Fighter Wing	26-27 January 1970
25th Aerospace Defense Squadron	29 January 1970
48th Fighter Interceptor Squadron	24-25 February 1970
22d Air Defense Missile Squadron	25-26 February 1970
72d Bombardment Wing	2-3 March 1970
96th Strategic Aerospace Wing	9-10 March 1970
15th Tactical Fighter Wing	9-10 March 1970
306th Bomb Wing	12-13 March 1970
19th Bomb Wing	16-17 March 1970
Detachment 1, 425th Munitions Maintenance Squadron	27-28 April 1970
Detachment 6, 425th Munitions Maintenance Squadron	30 Apr - 1 May 1970
416th Bomb Wing	4-5 May 1970
49th Fighter Interceptor Squadron	6-7 May 1970
48th Tactical Fighter Wing	1-2 June 1970
10th Tactical Reconnaissance Wing	2-4 June 1970

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6175th Munitions Maintenance Squadron	8-10 June 1970
36th Tactical Fighter Wing	11-16 June 1970
Detachment 1, 26th Tactical Reconnaissance Wing	8-9 June 1970
Detachment 1, 50th Tactical Fighter Wing	18-19 June 1970
50th Tactical Fighter Wing	22-23 June 1970
6314th Munitions Maintenance Squadron	24-26 June 1970

[redacted]

STAFF JUDGE ADVOCATE

Semi-Annual Historical Report

1 January 1970 - 30 June 1970

1. GENERAL. Staff Judge Advocate, Headquarters, Field Command, Defense Atomic Support Agency (FCJA),provided to Field Command Commander (who also is Deputy Director DASA), Commander, Test Command and Joint Task Force Eight, subordinate Commanders, their staffs and other supported personnel and dependents, 8,782 legal services during the period covered by this report. FCJA terminal strength for the period was eight judge advocates, four enlisted and five civilian personnel. Principal items of historical interest concerned Law Day 1970, Special Projects and Legal Services.

2. PERSONNEL.

There was no change in the officer personnel of FCJA during this period. SP6 Landry, USA, arrived on 19 January 1970 to assume duties as Chief of the Administrative Office.

Complete roster of judge advocates in FCJA, their branch of service, and their principal duties during this period follows:

Col Perry H. Burnham, USAF	Staff Judge Advocate
LTC Shelton R. Nelson, USA	Deputy Staff Judge Advocate
LCDR Fred C. Canant, Jr., USN	Chief Military Affairs Div.
CPT Michael H. Anderson, USA	Chief Claims Division
CPT Harry B. Wyeth, USA	Chief Military Justice Div.
LT David T. Mitzner, USNR	Military Affairs and Claims
Capt Eugene M. Hoyt, Jr., USAF	Chief Legal Assistance Div.
Capt Larry G. Shockley, USAF	Legal Assistance Div.

[redacted]

3. LEGAL OFFICE MANAGEMENT.

Detailed review and study of administrative procedures continued under the supervision of the new Chief of the Administrative Office to more effectively accomplish our stated mission and goals. A complete review of the office filing system was accomplished to assure compliance with pertinent directives. There were 1,524 actions in Legal Office Management.

4. SPECIAL PROJECTS.

Law Day 1970. The most important special project conducted by this office during this period was Law Day 1970, which consisted of both on and off-base activities by the members of the office. A full report of our participation in this event is attached.

Other projects conducted during this period included training of unit tax advisors and a series of tax articles in the Judge Speaks column of the Crossroads. The study of Sandia Base real estate documents, use agreements and the laws, regulations and cases pertinent to the complex, mixed, jurisdictional status and related command authority over the real estate, started in the previous reporting period, was concluded and briefings were conducted for the appropriate command and base personnel apprising them of our findings.

A study of the New Mexico laws regarding child abuse was coordinated with the U.S. Army Hospital and the appropriate civilian agencies.

A complete and thorough study of Article 15 authority, delegation of such authority, and the authority to handle appeals of nonjudicial punishment within the joint command situation was conducted, and recommended changes in the appropriate Air Force regulation were forwarded to The Judge Advocate General of the Air Force concerning delegation of authority.

[redacted]

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Sandia Base Army Hospital became United States Army Hospital, Sandia Base, under the Surgeon General of the Army instead of DASA, effective 1 July 1970, with resulting changes in courts-martial and nonjudicial punishment authorities on which this office coordinated. Joint Task Force Eight was likewise dissolved and assumed another identity resulting in a study by this office of the military justice implications.

LTC Nelson, LT Mitzner, and CPT Shockley variously attended courses in Employee-Management Agreement Negotiation/Administration, Procurement Law, Military Affairs and Contract Administration.

Judge advocates participated in and supported activities of the American Bar Association, Federal Bar Association, Albuquerque Bar Association, Better Business Bureau, Greater Albuquerque Police and Safety Association, Chapel and other community activities.

5. LEGAL SERVICES. The total of 8,782 Legal Services actions included the following:

a. Military Justice. Provided trial and defense counsel, court reporters and all legal actions in the administration of military justice in FCDASA and for Headquarters Test Command/JTF-8. Total Military Justice actions: 2,157.

b. Military Affairs. Concerned appropriated and non-appropriated fund contracts, reports of survey, boards of officers, line of duty and other general military law matter. Total Military Affairs actions: 1,403.

c. Claims. Concerned processing and disposition of claims in favor of and against the United States, including liaison with the U.S. Attorney and other attorneys involved in litigation in which the United States had an interest. Total Claims actions: 1,327.

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d. Legal Assistance. Supported active duty and retired military personnel and their dependents on personal legal matters including wills, powers of attorney, bills of sale, income tax returns, domestic relations, notary public services, tax exemption certificates, and other personal legal matters. Total Legal Assistance actions: 2,371.

e. Legal Office Management actions (para 3, supra): 1,524.

6. These legal services, conservatively valued at $203,466 (using standard-minimum hourly fee schedules), were provided at a budget cost of $105,953.

PERRY H. BURNHAM
Colonel, USAF
Staff Judge Advocate

[redacted]

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DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

FCJA

25 June 1970

SUBJECT: Military Participation LAW DAY USA 1970

TO: See Distribution

1. Combined Program. Military Law Day activities were coordinated and combined with activities of the State Bar Association of New Mexico, the Albuquerque Bar Association, the Federal Bar Association New Mexico Chapter, Kirtland Air Force Base Staff Judge Advocate, and many other interested bar association officials, civilian attorneys and judicial officials. The activities are reported in categories of Planning, Theme, Publicity, Informational Material, Church and Chapel, Schools, Law Day Occasions and Military Participation. Comments for future guidance are included.

2. Planning. Planning and coordination began in September 1969 and, beginning in January 1970, included many luncheon meetings on details of the New Mexico and Albuquerque Law Day programs. There was active participation by all interested elements.

3. Theme. The basic theme was Law - Bridge to Justice. Emphasis was directed to getting the Law Day message and related matter to the young people, particularly those of pre-college age, affirming that the best way to resolve social issues, differences of opinion and disputes is in the orderly processes of the law.

4. Publicity. There was good cooperation from newspapers, radio and television. Radio announcements were recorded and broadcast. A special half-hour television program was taped and broadcast over two television stations. Newspapers published news items on the Law Day program and activities. There was television coverage of the Law Day Luncheon on 1 May 1970 attended by the Governor of New Mexico, a United States

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FCJA 25 June 1970
SUBJECT: Military Participation LAW DAY USA 1970

Congressman, several State and local judicial officials, New Mexico attorneys, key military commanders of the Albuquerque area and other military personnel.

5. Informational Material. Informational material included the Law Day rights and duties pamphlet (over 5,000 copies purchased and distributed), the Presidential proclamation, mail stickers, newspaper ad mats, mock trial scripts, window displays, law quizzes and questionnaires and billboard posters.

6. Church and Chapel. Ministerial groups, including Post Chaplains, supported the Law Day observance with special topic sermons, special lawyer participation in religious services, displays, and handout of informational materials.

7. Schools. Lawyers participated with students in mock trials, spoke on constitutional rights and duties and other legal subjects, and distributed informational material. Some schools had displays of Law Day material.

8. Law Day Occasions. The principal Law Day occasion in the State of New Mexico was the Law Day Luncheon on 1 May 1970 at the Officers' Mess at Sandia Base, New Mexico, sponsored by the Bar Association, the Staff Judge Advocates of Air Force Special Weapons Center and Field Command, DASA, and hosted by the Commander, Field Command, DASA. There were other Law Day occasions throughout the State on a smaller scale. Many lawyers, including military lawyers, were making presentations at schools on Law Day.

9. Military Participation. There was maximum active military participation in planning, coordination for all programs, and in sponsoring and arranging for the Law Day Luncheon. Military lawyers were either principals or provided vigorous support in organizing radio, television, Sandia Base newspaper support, chapel, on-base schools and Highland High School activities. The Base information office gave outstanding coverage to Base and related Law Day activities, including editorial features beginning several weeks before Law Day. A variety of informational material was distributed. There were displays in chapels and at dense pedestrian traffic areas. There were billboard displays at entrances and exits from the Base. Military commanders issued

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appropriate proclamations, endorsed Law Day interests and activities, verbally and in writing, and supported with their presence, the key Law Day activities. Military participation in the overall community activity was evaluated as outstanding and greater than on any previous occasion. Among special events Sandia Base sponsored a special pre-law day luncheon for the Greater Albuquerque Police and Safety Association and the Staff Judge Advocate, Field Command, DASA, served as the featured speaker at the Law Day dinner on 2 May 1970 at Holloman Air Force Base, Alamogordo, New Mexico.

10. Comments. There seemed to be consensus among all planners that:

a. Law Day planning and coordination should begin much earlier, perhaps as early as August-September to assure full coordination and to get the most appropriate speakers, featured guests, and maximum planned participation.

b. There should be fairly continuous planning and liaison with school officials for special activities to be scheduled during more of the year to foster and promote Law Day themes and purposes.

c. There should be timely requests for funding and reservation of dates and facilities.

d. There should be a closer, continuous bar association tie with juvenile, school, police and judicial officials with the long range objective of promotion of law as the bridge to justice and orderly social reform. The most important directly relevant action to Law Day USA was believed to be the need to start detailed, early planning and coordination in August-September of the year preceding the next Law Day.

11. The military organization for Sandia Base and related Law Day activities was as follows:

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FCJA 25 June 1970
SUBJECT: Military Participation LAW DAY USA 1970

Command Chairman	-	Colonel Perry H. Burnham, USAF Staff Judge Advocate Field Command, DASA
Deputy	-	Lt Col S. R. Nelson, USA Deputy Staff Judge Advocate Field Command, DASA
Base Committee Chairman	-	LCDR Fred C. Canant, Jr., USN
Committee Members	-	Captain Harry B. Wyeth, USA Captain Larry G. Shockley, USAF
Advisors and Participants	-	LTC S. R. Nelson, USA Captain Eugene M. Hoyt, USAF Captain Michael H. Anderson, USA LT David T. Mitzner, USN

12. Selected inclosures are submitted for further information and for use in future planning and developing of Law Day programs.

Incl

PERRY H. BURNHAM
Colonel, USAF
Staff Judge Advocate

Distribution:
TJAG A/N/AF
DOD Dep Gen Counsel
NM State Chairman
Pres, Alb Bar Assn
Alb Chamber of Comm
Am Bar Assn

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PUBLIC INFORMATION OFFICE

Chester Bruce Hanson
Information Officer

1. (U) ACTIVATION: As recorded on pages 109 and 110 of Volume I, Field Command, DASA, Semiannual History for the period 1 July 1964 to 31 December 1964.

II. (U) MISSION: As recorded on pages 110 and 111 of Volume I, Field Command, DASA, Semiannual History for the period 1 July 1964 to 31 December 1964.

III. (U) ORGANIZATION: By Disposition Form from FCCS (copy attached), dated 23 April 1970, the Information Office acquired additional duties of the Visitors Bureau, Sandia Atomic Museum, and Command Air Lift. Authorized personnel for FCPI as of the end of this reporting period totalled 15.

Authorized Strength

	Officers	Enlisted	Civilian	Total
Army	2	3		5
Navy	0	0		0
Air Force	2	1		3
Civilian			7	7
Totals	4	4	7	15

Assigned Strength

	Officers	Enlisted	Civilian	Total
Army	2	4*		6
Navy	0	0		0
Air Force	2	1		3
Civilian			7	
Totals	4	5	7	16

* SSgt Raymond P. Meyer, [redacted] is acting tour guide in the Museum, although he is not officially assigned to this activity.

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IV. (U) PERSONNEL: The following key personnel were assigned to the Information Office during this reporting period, including date of assignment to Field Command, DASA, and date of transfer or retirement:

PUBLIC INFORMATION

Chester Bruce Hanson, GS-12 — 17 Feb 63
Dep Info Officer 17 Feb 63
Info Officer since 25 Sep 66

Captain John A. Gable — 15 Jul 69

Dep Info Officer

George E. Pearce, GS-9 — 17 Jun 68
Editor, CROSSROADS

Mrs. Ella Pearl Clark, GS-7 — 3 Mar 58
Secretary, 3 Mar 58
Writer-Historian since 18 Mar 63

Spencer B. Terry, Jr., GS-7 — 8 Oct 64
Still Photographer, 8 Oct 64
Chief, Photo Lab 7 Sep 65

Mrs. Rosemary Cozart, GS-5 — 14 Jan 64
Clerk-Steno in FCCT 14 Jan 64
Secretary FCCT 3 Jul 66
Secretary FCPI since 20 Oct 69

VISITORS BUREAU

Lt. Col. Sidney A. Webb — Jan 70

Operations Staff Officer

Captain Francis J. Costello — Feb 70

Chief, Visitors Bureau
Separated from service 15 May 70

SSG Earthel B. King — Oct 66

Billeting NCO

Mrs. Emily F. Matturro, GS-4 — 13 May 68
Clerk-Typist in War Room
Info Receptionist 23 Aug 68

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SANDIA ATOMIC MUSEUM

CW4 Eugene B. Ditrick, USA 275-26-2169 Tour Director	1 Oct 69
Mrs. Carrol V. Canfield, GS-9 Museum Manager since 17 May 70	3 May 54
SSgt Leonard Askew 429-78-3061FR Admin Supr since 22 Oct 69	6 Sep 68

V. (U) ACTIVITIES: During the period covered by this report, accomplishments are shown below:

1. Following TDY visits were made by assigned personnel:

4-6 Feb 70 - Chester B. Hanson to Washington, D.C. for staff visit.

8-11 Mar 70 - Capt John A. Gable to Eglin AFB, Fla., Cape Kennedy, Fla., and Brooks AFB, Tex., as escort officer for orientation visit by New Mexico media representatives.

30 Apr 70 - Sp4 Craig A. Phelon to Randolph AFB, Tex., to coordinate news releases in connection with Phase II Air Force personnel operations.

5-8 May 70 - Chester B. Hanson to Washington, D.C., and Dayton, Ohio, on public information business.

2. There were 1048 news releases made to local papers, TV stations, Radio stations and Service papers, on 394 different events, and 243 news releases to hometown papers.

3. Under the Federal government's Summer Aid Program, FCPI was authorized one GS-3 journalism student from the University of New Mexico to work primarily in publicizing the program for Field Command and Sandia Base. On June 8, 1970, this office acquired Miss Sue Major, who will be employed until the middle of September. Two Summer Aids were also employed at the museum under the program. Diana Aragon reported on June 9 and Bernadette A. Abeita reported on June 10.

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4. The photographic laboratory of FCPI processed approximately 2309 negatives and 7662 prints to accompany all releases and for use in the Crossroads.

5. THE CROSSROADS NEWSPAPER

a. In January 1970, the CROSSROADS introduced a new weekly feature, the "Crossroads Gallery," which invited both local amateur and professional photographers to submit their work for publication. Also in January the publication began the first of a five-part series on the danger of drugs and fighting drug abuse with education.

b. On February 27, Crossroads ran a two-page photo spread on the Military Policemen on base. The story was given a full-page feature in Army Times and a two-page spread in the Military Police Journal.

c. On March 20 the paper began a six-part series on local unit commanders, where they openly explained their various policies as they pertained to the men of their commands. In March the newspaper ran a questionnaire to determine reader preferences. Response to the questionnaire was "overwhelming." As a result, the paper undertook a campaign to satisfy reader preferences, i.e., more local sports coverage, more photo stories on "little people" of the base, more "Places to Go" articles, etc.

d. May 1, the newspaper began a weekly column, "New Mexico Hollywood Reporter," by Chuck Mittlestadt, a widely-read New Mexico columnist. The CROSSROADS received this column free of charge.

6. In February, the Information Officer was appointed to the National Council of United Service Organizations for a term ending in September 1971. He also attended the Presidential Prayer Breakfast in Washington, D.C. during this month.

7. The Field Command Information Office was responsible for the first Governor's Prayer Breakfast ever held in the state of New Mexico. The command Information Officer was appointed by New Mexico Governor David F. Cargo as the chairman of the committee formed to handle all the arrangements. Commander, Field Command, was one of the principal speakers and was joined at the head table by the Chief of the New Mexico Supreme Court, Speaker of the House of Representatives, the Governor, the Lt. Governor, the

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president of the largest corporation in New Mexico, and the president of the state university. Patterned after the Presidential Prayer Breakfast held annually in Washington, the first annual Governor's Prayer Breakfast was an outstanding success. It was held at the La Fonda Hotel in Santa Fe on January 22. Field Command Information Office accepted the assignment as a community relations effort and completed it successfully. It is expected that, as a result of FCDASA backing and cooperation, the New Mexico Governor's Prayer Breakfast will be an annual, traditional event.

8. Through the joint efforts of the Information Officer, Base Commander and Commander, Field Command, a bill was passed by the New Mexico State Legislature, during this period, allowing military personnel to pay resident tuition in universities in the state. Passing of this bill is expected to give economic and educational benefits to military personnel.

9. Planned public relations, news coverage and/or photographic coverage were handled by this office in connection with the following special events:

a. Initial publicity in city papers, with continuing publicity in Crossroads, on 3300 Army Reservists from ten reserve units completing their two-week training requirements for annual active duty at Sandia Base. They began arriving in May and will continue through August.

b. Four posthumous award presentations.

c. Visit of Tadao Nishimura, Producer of TV Production crew for the Japan Broadcasting Corporation (NHK) for location filming at the Sandia Atomic Museum. NHK plans to present a series of six documentaries on various aspects of world security and Mr. Nishimura felt filming of Sandia Atomic Museum would have special significance to the Japanese people because of their concern with nuclear weapons.

d. A new teaching program, established in January, between the Sandia Base Army Hospital's Obstetrics and Gynecology Clinic and the University of New Mexico upper class medical students. Two students began seven weeks of instruction and observation at the clinic to fulfill the required training for their medical degree. The program is believed to be the first combined teaching effort of a civilian medical school and a military hospital of this size, in obstetrics and gynecology.

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e. Exceptional Civilian Service Award, first ever to be given at Sandia Base, presented to Guy G. "Gus" Henson.

f. Visit of Army's Chief Nurse, Col. Anna May Hays, on February 13.

g. Military Chaplains Nuclear Training Course, March 17-20, with 85 chaplains in attendance, representing all military services. Featured speakers for the event included noted figures from the fields of science and religion.

h. Sandia Base Fire Department, for 7th consecutive year, received the National Fire Protection Association's "Outstanding" award.

i. Sandia Base handicapped woman named one of the nation's ten semi-finalists in "Outstanding Handicapped Federal Employee of the Year" award competition. Publicity on her departure to Washington, D.C. for final competition.

j. Fourth U. S. Army Photo contest hosted by Sandia Base in March.

k. Formal Joint Services Dining In, April 3, at Sandia Base Officers Club, for all commissioned officers assigned to Sandia and Manzano Bases.

l. Formation of first Joint-Service Junior Officers Council at Sandia Base. Council is open to all officers in first three officer grades with less than five years of commissioned service.

m. Law Day 1970 "Bridge to Justice." A luncheon with lawyers and law enforcement officials from New Mexico State Bar Association, held at the Sandia Base Officers Club. U. S. Congressman (New Mexico) Manuel Lujan was speaker at the event, with more than 300 in attendance.

n. Military "Clergy Day" sponsored by chaplains of Sandia-Manzano-Kirtland, on May 6. Nearly 100 clergymen of all faiths from local community were guests. Special day held to acquaint members of Greater Albuquerque Ministerial Alliance with activities of bases and military chapel programs.

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o. Armed Forces Week speakers and the annual Armed Forces Week breakfast on May 12. Held jointly by the Albuquerque Chamber of Commerce and area military leaders at the Sandia Base Officers Club, the breakfast highlighted speaker Maj. Gen. Joseph L. Dickman, Dep Chief of Staff for Operations, Hqs Aerospace Defense Command at Ent AFB, Colorado. More than 350 area civic and military leaders attended.

p. Lt. Col. William H. Laybourn of Sandia Base, over a period of a year and a half, restored two cannons for Albuquerque's historic Old Town Plaza. Ceremonies were held during Armed Forces Week in the Plaza, and Colonel Laybourn gave the cannons to the city. About 500 people were in attendance and the event received extensive coverage from both city newspapers, all three TV stations, several radio stations and service papers.

q. Seventy young men and women hired as part of Federal government's Summer Aid Program.

r. Fourth Army Tennis Tournament, June 23-26, hosted by Sandia Base.

s. Sportsmen from Sandia and Kirtland AFB sponsored a luncheon for their counterparts in the State Game and Fish Department. It was held on June 10 at the Sandia Base Officers Club. Purpose of the luncheon was to cement good relations between state game officials and military sportsmen.

10. The Sandia Atomic Museum was reassigned from Sandia Base Activities Division to the Information Office, effective 23 April 1970.

a. On June 1, 1970, the hours during which the Museum is open to the public were increased from 10-5, Wednesday through Sunday, to 9-5, seven days a week.

b. During this reporting period, the following additional items were placed on display:

MK 61 H-Bomb/w/parachute
MK 4 Re-entry Vehicle
Two MK 5's Re-entry Vehicle
MK 53 Warhead
MK 28 RI H-Bomb
MK 19 Shell

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MK 23 (16" Shell)
MHU-29/C Clip In Assy for the MK 53 H-Bomb

c. On 16 June 1970, the 280mm cannon, on display at the Museum, was moved from inside the building to the parking area in front of the display building.

d. As of 30 June 1970, a total of 27,981 visitors had toured the Museum, since it was officially opened to the public on 6 October 1969. During this period, 19,519 visitors toured the Museum, representing all 50 states and 53 foreign countries.

11. The Visitors Bureau directs, schedules and makes arrangements for the meeting, transporting and billeting of official military and civilian visitors; determines that security requirements have been satisfied, issues security badges and presents security briefings for incoming visitors to Field Command. Activity highlights for the Bureau during this period were:

a. On June 2-3 the Bureau handled billeting for the most important group of Latin Americans ever to visit New Mexico -- including 55 high-ranking officers. Members of the Inter-American Defense Board were at Sandia Base for briefings on the mission and organization of DASA and the AEC. The officers toured the Sandia Atomic Museum and were joined by a group of distinguished New Mexicans, including local, county and state officials of government and education.

b. Visit of 31 members of the State Department, U. S. Foreign Service and other federal agencies who were at Sandia Base 20-21 April for a tour of local Department of Defense activities. The visit was part of a U. S. Foreign Service Senior Seminar in Foreign Policy.

c. At the end of this reporting period, theBureau had made arrangements for the transportation and billeting of 381 military members in the grade of 06 and above or civilian equivalents. The office issued a total of 1,294 temporary security badges for special conferences and 11 courses offered by the Field Command Nuclear Training Directorate.

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DISPOSITION FORM [redacted]

(AR 340-15)

OF E SYMBOL OR FILE REFERENCE	SUBJECT
FCCS	Realignment of Functions

TO: See Distribution

FROM: FCCS

DATE: 20 Apr 70

CMT 1

Maj Herndon/det/4513

1. Announcement is made of the realignment of the following functions into the Field Command Information Office with effect from Thursday 23 April 1970. Operational control and executive direction of these functions become the responsibility of Field Command Information Officer on the date specified above.

a. Visitors Bureau from Office of the Secretary to the Staff

b. Atomic Museum from Sandia Base Activities Division (SBCO has concurred.)

c. Air Operations Staff Officer functions of the Secretary to the Staff

2. The Air Operations Staff Officer and personnel assigned duty in the Visitors Bureau will relocate their offices from Building 200 to Building 201. Separate announcement will be made of room numbers and telephone numbers. Personnel the Atomic Museum will continue to perform duty at the Atomic Museum.

3. The Field Command Adjutant General will arrange for personnel to take over reception and information responsibility at the entrance to Building 200.

WILLIAM P. CARTER
Colonel, USAF
Acting Chief of Staff

Action:
FCPI
FCSS
FCVB
FCAG
SBCO
SBAC
SBAM

Information:
Chiefs, FC Staff Activities

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FIELD COMMAND SURGEON

Colonel Jack C. Fitzpatrick, MC, USA, Surgeon

I. (U) ACTIVATION. The Office of the Surgeon, Field Command, Defense Atomic Support Agency was created on 4 October 1951 by General Order Number 32, Headquarters Field Command, dated 4 October 1951.

II. (U) MISSION. As recorded in the semiannual historical report of Field Command Surgeon's office for the period 1 Jul 69 through 31 Dec 69.

III. (U) ORGANIZATION. The Surgeon was responsible to the Commander, Field Command. Personnel authorization and assigned strength for the Office of the Surgeon as of 30 Jun 70 was as follows:

AUTHORIZED STRENGTH

	Officers	Enlisted	Total
Army	2	0	2
Air Force	1	1	2
Total	3	1	4

ASSIGNED STRENGTH

	Officers	Enlisted	Total
Army	1	0	1
Air Force	1	1	2
Total	2	1	3

AUTHORIZED STRENGTH-ASSIGNED STRENGTH

Civilian Personnel	1	1

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IV. (U) PERSONNEL.

A. Key personnel on duty in this office during the period covered by this report include the names given below, along with their date of assignment to FCDASA:

Colonel Jack C. Fitzpatrick, MC, USA	1 Jul 67
Field Command Surgeon 1 Jul 67 to 1 Jun 70	
Major Harold W. Fisherman, MC, USA	21 Nov 69
Preventive Medicine Officer since 21 Nov 69	
Captain Dean D. Nelson, USAF, BSC	9 Sep 69
Bio-Environmental Engineer since 9 Sep 69	

B. LTC Raymond K. Morrow, DC, USA, 011-20-0634, Chief, Base Dental Surgeon Division, Field Command Medical Directorate, served in an additional duty capacity as Consultant in Dentistry to the FCDASA Surgeon from 18 Aug 69 to 31 Jan 70.

V. (U) ACTIVITIES:

A. Travel performed by members of the office:

(1) 5-16 Jan 70 - Captain Dean D. Nelson attended Department of Defense Computer Institute Class T-1-70 in Washington, D.C.

(2) 27-28 Jan 70 - At the request of Air Force Special Weapons Center (AFSWC), Captain Dean D. Nelson, Field Command Bio-Environmental

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Engineer visited Indian Springs AF Auxiliary Field with personnel of AFSWC on 27 and 28 Jan 70. The purpose of the visit was to evaluate disposal of radioactive waste acquired during aircraft decontamination and to gather background samples to be sent to the USAF Radiological Health Labaratory, Wright-Patterson AFB, Ohio.

(3) 20 Apr 70 - 1 May 70 - Captain Dean D. Nelson attended the U.S. Public Health Service Course titled, Medical X-Ray Protection, in Las Vegas, Nevada.

(4) 11-15 May 70 - Captain Dean D. Nelson attended the annual meeting of the American Conference of Governmental Industrial Hygienists in Detroit, Michigan.

(5) 21-25 Jun 70 - Captain William H. Fisherman attended the Annual Meeting of the American Medical Association in Chicago, Illinois.

B. Following is a summary of activities and accomplishments which occurred during the period:

(1) In February 1970 Captain Dean D. Nelson, Bio-Environmental Engineer, was instrumental in having Classified Material Shredder located in a remote area and undergoing considerable in-service testing before permanent facilities were considered for development.

(2) Because the policy of the current administration appears to be one of increasing emphasis on pollution control, particularly where Federal installations are concerned, Commander, Field Command instructed the Field Command Bio-Environmental Engineer, Captain Dean D. Nelson, to survey the geographical area of Sandia Base for real or potential air and water pollution sources. The air and water

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pollution study was coordinated with non-Field Command DASA activities on Sandia Base proper. Contributors, broken down into five areas, included: Sandia and Manzano Bases, Air Force Weapons Laboratory tenants located on Sandia Base, Sandia Laboratories, Lovelace Foundation under contract to DASA (Lovelace DASA); and Lovelace Foundation under contract to the Atomic Energy Commission (Lovelace AEC). Starting in mid-February the Bio-Environmental Engineer visited all these areas to make an evaluation of any Field Command contribution to pollution in the Albuquerque area. In June 1970 the Environmental Pollution Survey Report (Inclosure 1) was distributed to the contributing agencies.

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ENVIRONMENTAL POLLUTION SURVEY

GEOGRAPHICAL AREA
OF
SANDIA BASE

ALBUQUERQUE, NEW MEXICO

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GENERAL

This report is designed to show the contribution of Sandia Base, including all tenant organizations, to the overall pollution levels in the Albuquerque area. Solid wastes management, water pollution, and air pollution are the three categories of concern. Contributors are broken down into five areas. They are: Sandia and Manzano Bases, Air Force Weapons Laboratory tenants located on Sandia Base, Sandia Laboratories, Lovelace Foundation under contract to DASA (Lovelace DASA), and Lovelace Foundation under contract to the Atomic Energy Commission (Lovelace AEC). It should be noted here that the term Sandia Base generally means the geographical area of the Base; however when the term Sandia Base is used in an organizational breakdown situation it means Field Command, DASA activities, excluding Manzano Base.

ASSUMPTIONS

Usage amounts are based on values supplied by organizations during actual visits to all areas of Sandia Base. It was assumed that the emission factors in AFP 161-19, "Environmental Health Engineering Handbook Air Pollution," were applicable without modification. Gasoline usage represents only that amount actually dispensed on Sandia Base by service stations and motor pools. No attempt was made to estimate the amount of gasoline purchased off base by military or civilian personnel. In addition, no evaluation was made as to pollution from such items as unpaved roads, construction, and fireplaces.

SOLID WASTE MANAGEMENT

a. Domestic waste is disposed of by removal to a sanitary land fill. This land fill was located on Sandia Base and operated by the City of Albuquerque. The current land fill is located on Kirtland AFB. The Atomic Energy Commission removes solid wastes from Sandia Laboratories and Lovelace AEC. The Air Force Weapons Laboratory (AFWL) arranges pick-up for all AFWL tenant organizations. Sandia Base trash removal is made by contract. This contract now includes Lovelace DASA, who prior to this survey was disposing of rubbish by open burning followed by burial.

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b. Part of the classified waste, pathological waste, low-level radioactive waste, and the trash accumulated at the Commissary is disposed of by incineration. Details of these operations will be discussed in the section of this report concerned with air pollution.

c. Radioactive waste from Sandia Laboratories is disposed of in a well-controlled and isolated burial area in a remote area of Sandia Base. Records of this operation are maintained. Lovelace AEC disposes of high-level radioactive waste through a private contractor for burial in controlled areas away from military jurisdiction and subject to AEC rules. Sandia and Manzano Bases dispose of radioactive waste IAW AR 755-15, "Disposal of Unwanted Radioactive Material." This means the waste is returned to AEC or shipped to contractor-operated disposal areas.

d. Toxic or hazardous material is disposed of at Sandia Laboratories by burial in a well-controlled fenced remote area. Materials taken to this site are segregated to prevent unwanted interactions.

e. Animal remains from the AFWL Biophysics Division and Lovelace DASA are buried in remote areas. Burial is deep enough that no problems after disposition have been encountered.

WATER POLLUTION

a. Domestic and Industrial Sewage from Sandia Base and the main Sandia Laboratories complex are not segregated. They are currently disposed of through a sewerage system which results in ultimate treatment at the Albuquerque treatment facilities. Meters are currently being installed in the interceptor lines that will allow actual determination of hydraulic loads. Our current estimate is just under 2 million gallons per day average. We accomplish no chemical analysis or radioactivity assay on this waste. Until last February the industrial waste at Sandia Laboratories was disposed of through separate sewer lines with ultimate dumping in an open remote area.

b. Manzano Base utilizes an Imhoff tank for primary treatment and a series of nonoverflowing lagoons for secondary treatment.

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ATOMIC ENERGY ACT 1954

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c. Sandia Laboratories uses a nonoverflowing lagoon for disposal of liquid wastes from the nuclear reactors. This waste contains some short half-life radionuclides such as Sodium-24 (^{24}Na). The lagoon is isolated, fenced, and well-marked. Records are maintained as to the amount of activity applied to the lagoon.

d. Lovelace AEC maintains a series of three, nonoverflowing sewage lagoons for handling their liquid waste, some of which is lightly contaminated with radioactivity. These lagoons are isolated, fenced and well-marked. Records are maintained as to the activity in these lagoons.

e. High-level radioactive wastes from Lovelace AEC are placed in a sealed tank until evaporation is complete and the solid residue can be shipped. The amount of high-level liquid waste has been so small that no shipments have been made to date.

f. All outlying organizations having facilities located on Sandia Base where sewerage is not available utilize septic tanks with subsurface irrigation fields. Examples of these areas are: Lovelace DASA, Sandia Laboratories Area 3, and the AFWL Civil Engineering Research Facility.

g. Large cooling towers are operated in at least six buildings on Sandia and Manzano Bases. To control corrosion, several types of "Brand Name" inhibitors are used. Most of these inhibitors contain chromates. To control disolved solids build-up in the tower water, finite amounts of this treated water are bled to the sewer system.

AIR POLLUTION

a. A tabulation of estimates of atmospheric emissions from the Sandia Base complex is shown in Inclosure 1. A more detailed breakdown by type of source and organization is given in Inclosure 2. Material or operation usage figures are supplied in Inclosure 3.

b. The Sandia Base complex contributes approximately 9.4 tons/day of pollutants into the Albuquerque atmosphere. This is just under 1% of the 1969 total Albuquerque and

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Bernalillo County total of 1015 tons/day. A great deal of reservation must be used in comparing these two estimates. Our figures only include that which occurs on Base property and does not take into account such other factors as the pollution we create with recreation, off-base living, and our share of pollutants emitted during the generation of electrical power for the Base. The Albuquerque and Bernalillo County figures are intended to be all inclusive.

c. Transportation, specifically gasoline combustion, is our major source of air pollutants. Stationary heating is our second major source. Natural gas is the principal fuel used for heat; however, due to the nonavailability of natural gas at the more remote areas, considerable amounts of liquid gas (LP) and number 2 grade fuel oil are used.

d. The total industrial complex located on Sandia Base is relatively small. Air pollution from industrial sources is composed primarily of emissions from solvent usage and painting operations. A small amount of pollution is generated in plating, welding and foundry facilities.

e. There are seven incinerators located on the Sandia Base complex. Sandia Laboratories uses an air-supplied, multi-chamber (parallel) incinerator for the destruction of classified waste and a multi-chamber, gas-fired incinerator for film destruction. The ash from the second unit is processed for silver recovery. Manzano Base has a small single chamber incinerator for destroying classified material. Lovelace AEC has a multi-chambered gas fired incinerator for destroying low-level radioactive pathological waste. The effluent is monitored by isokinetic sampling and is well within the limits established by Title 10, Code of Federal Regulations. The ash from this unit is disposed of by private contract to approved burial sites. The Sandia Base Army Hospital operates a gas-fired incinerator for destroying pathological waste. The Nuclear Training Directorate utilizes a single chamber incinerator to destroy small amounts of waste accumulated during training exercises. Material destroyed in this unit is not contaminated above 400 disintegrations per minute per 60 square centimeters. (This is very close to background.) In addition, air sampling during burning operations has provided evidence

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[redacted]

of no radioactive air pollution. The largest incinerator, from a loading standpoint, is the unit at the Base Commissary. This incinerator is a multi-chambered, gas-fired facility that burns cardboard boxes, paper wrappings and other material normally accumulated at a large retail food store. None of these seven incinerators has been evaluated as to compliance with Federal standards.

f. Emissions from burning should decrease some in 1970 as Lovelace DASA no longer uses open burning as a means of getting rid of trash.

g. Open burning of crankcase oil and contaminated JP-4 is accomplished to allow for continual training of fire-fighting personnel. Approximately 500 gallons are burned annually for this purpose. The duration of each burn is generally less than one-half an hour.

h. The AFWL Advanced Research EMP Simulation (ARES) Facility does on occasion vent Nitrogen (N_2) and Sulfur hexafloride (SF_6) to the atmosphere. This is not a routine operation and only occurs as a result of nonpredicable problems. Sulfur hexafloride is generally considered stable and nontoxic. Its venting to the atmosphere in these limited quantities is much more of an economical problem than one of air pollution. As a result of the economics involved, AFWL and DASA are attempting to procure a gas recovery system.

i. Sandia Laboratories, during operation of its nuclear reactors, radiation standards calibration, tritium facility and neutron generator, releases some radioactive gases. These pollutants are almost exclusively in the form of ^{41}Ar and ^{3}H. Records of concentration, and total release are maintained. All releases are within standards established by Title 10, Code of Federal Regulations.

j. Lovelace AEC removes radioactive material from air that has been purposely contaminated during tests by the use of absolute filters. Assay of other filters operated on the roof of this facility indicate that no measurable amount of radioactive material is being released. The absolute filters are disposed of as contaminated solid waste.

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k. The Base Exchange Service Station and two military gasoline pumping facilities did not have submerged filing inlets. Satisfactory submerged inlets have now been installed at the Base Exchange Service Station and installation is currently being accomplished at the military pumping facilities.

l. The detonation of explosives or explosive devices is not considered a significant source of air pollution from the Sandia Base complex due to the relatively small amount of material used and the efficient combustion associated with explosions.

m. Sandia Laboratories has, in the past, conducted burn test on various military items. These tests use from 1000 to 5000 gallons of JP-4 per experiment. The use of this much fuel in open burning must be considered a potential problem. There are no current plans for additional tests and while this does not mean that tests might not be conducted in the future, we have no immediate problem.

ADDITIONAL INFORMATION

A comprehensive file of detailed information including survey notes, manufacturers' quantitative and qualitative data, Federal standards and Executive Orders is maintained by the Medical Command Special Staff.

PREPARED BY:

DEAN D. NELSON
Captain, USAF,
Bio-Environmental Engineer

APPROVED BY:

ROBERT F. BELL
Colonel, MC
Commander, Medical Command

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ESTIMATE OF 1969 ATMOSPHERIC EMISSIONS INVENTORY
GEOGRAPHICAL AREA OF SANDIA BASE, ALBUQUERQUE, NEW MEXICO

Emissions Categories	Emissions tons/year							
Source	Particulates	Hydrocarbons	Carbon Monoxide	Oxides of Nitrogen	Oxides of Sulfur	Other	Total	Percentage of Total
I. Transportation								
Gasoline Combustion	12	218	2502	123	10	9	2878	
Diesel Combustion	7	9	4	15	3	3	41	
Fuel Handling	-	24	-	-	-	-	24	
Vehicle Evaporation	-	100	-	-	-	-	100	
Total	19	351	2506	138	13	12	3039	88.6
II. Stationary Heating								
Natural Gas Combustion	15	-	-	128	-	2	145	
Fuel Oil Combustion	10	1	1	31	24	-	67	
LP Gas Combustion	-	-	-	1	-	-	1	
Total	25	1	1	160	24	2	213	6.2
III. Industrial Operation								
Solvent Usage	-	101	-	-	-	-	101	
Painting	-	67	-	-	-	-	67	
Other	5	-	-	-	-	-	5	
Total	5	168	-	-	-	-	173	5.0
IV. Incineration or Burning	1	1	5	1	N	N	8	
Total	1	1	5	1	N	N	8	0.2
GRAND TOTALS	50	521	2512	299	37	14	3433	100
% of Totals	1.5	15.2	73.1	8.7	1.1	0.4	100	(9.4 Tons/day)

Incl. 1

NOTE: N indicates Negligible

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GASOLINE ENGINE EXHAUST

ALDEHYDES	lbs/year
Sandia & Manzano Bases	7,121
AFWL tenants	97
Sandia Lab	1,456
Lovelace DASA	18
Lovelace AEC	12
Total	8,704

CARBON MONOXIDE	
Sandia & Manzano Bases	4,094,690
AFWL tenants	55,568
Sandia Lab	837,200
Lovelace DASA	10,350
Lovelace AEC	6,900
Total	5,004,708

HYDROCARBONS	
Sandia & Manzano Bases	356,060
AFWL tenants	4,832
Sandia Lab	72,800
Lovelace DASA	900
Lovelace AEC	600
Total	435,192

OXIDES OF NITROGEN	
Sandia & Manzano Bases	201,174
AFWL tenants	2,730
Sandia Lab	41,032
Lovelace DASA	509
Lovelace AEC	339
Total	245,478

OXIDES OF SULFUR	
Sandia & Manzano Bases	16,923
AFWL tenants	217
Sandia Lab	3,276
Lovelace DASA	39
Lovelace AEC	27
Total	20,482

ORGANIC ACIDS	
Sandia & Manzano Bases	7,121
AFWL tenants	97
Sandia Lab	1,456
Lovelace DASA	18
Lovelace AEC	12
Total	8,704

PARTICULATES	
Sandia & Manzano Bases	19,583
AFWL tenants	266
Sandia Lab	4,004
Lovelace DASA	50
Lovelace AEC	33
Total	23,936

DIESEL ENGINE EXHAUST

ALDEHYDES	lbs/year
Sandia & Manzano Bases	250
AFWL tenants	60
Sandia Lab	1,000
Lovelace DASA	N
Lovelace AEC	N
Total	1,310

CARBON MONOXIDE	
Sandia & Manzano Bases	1,500
AFWL tenants	360
Sandia Lab	6,000
Lovelace DASA	N
Lovelace AEC	N
Total	7,860

HYDROCARBONS	
Sandia & Manzano Bases	3,400
AFWL tenants	816
Sandia Lab	13,600
Lovelace DASA	N
Lovelace AEC	N
Total	17,816

OXIDES OF NITROGEN	
Sandia & Manzano Bases	5,550
AFWL tenants	1,332
Sandia Lab	22,200
Lovelace DASA	N
Lovelace AEC	N
Total	29,082

OXIDES OF SULFUR	
Sandia & Manzano Bases	1,000
AFWL tenants	240
Sandia Lab	4,000
Lovelace DASA	N
Lovelace AEC	N
Total	5,240

ORGANIC ACIDS	
Sandia & Manzano Bases	775
AFWL tenants	186
Sandia Lab	3,100
Lovelace DASA	N
Lovelace AEC	N
Total	4,061

PARTICULATES	
Sandia & Manzano Bases	2,750
AFWL tenants	660
Sandia Lab	11,000
Lovelace DASA	N
Lovelace AEC	N
Total	14,410

GASOLINE EVAPORATION EMISSION
(HYDROCARBONS)

FILLING SERVICE STATION TANKS	lbs/year
Sandia & Manzano Bases	20,473
AFWL tenants	278
Sandia Lab	2,657
Lovelace DASA	52
Lovelace AEC	N
Total	23,460

FILLING AUTOMOBILE TANKS	
Sandia & Manzano Bases	20,652
AFWL tenants	280
Sandia Lab	4,222
Lovelace DASA	52
Lovelace AEC	N
Total	25,206

AUTOMOBILE EVAPORATION LOSSES	
Sandia & Manzano Bases	163,788
AFWL tenants	2,223
Sandia Lab	33,488
Lovelace DASA	414
Lovelace AEC	276
Total	200,189

NATURAL GAS BURNING EMISSIONS

ALDEHYDES	lbs/year
Sandia & Manzano Bases	1,028
AFWL tenants	N
Sandia Lab	2,275
Lovelace DASA	N
Lovelace AEC	N
Total	3,303

CARBON MONOXIDE	
Sandia & Manzano Bases	206
AFWL tenants	N
Sandia Lab	451
Lovelace DASA	N
Lovelace AEC	N
Total	657

HYDROCARBONS
Negligible

OXIDES OF NITROGEN	
Sandia & Manzano Bases	59,624
AFWL tenants	N
Sandia Lab	196,653
Lovelace DASA	N
Lovelace AEC	N
Total	256,277

OXIDES OF SULFUR	
Sandia & Manzano Bases	206
AFWL tenants	N
Sandia Lab	451
Lovelace DASA	N
Lovelace AEC	N
Total	657

PARTICULATES	
Sandia & Manzano Bases	9,766
AFWL tenants	N
Sandia Lab	20,291
Lovelace DASA	N
Lovelace AEC	N
Total	30,057

FUEL OIL BURNING EMISSIONS

ALDEHYDES	lbs/year
Sandia & Manzano Bases	603
AFWL tenants	N
Sandia Lab	800
Lovelace DASA	N
Lovelace AEC	317
Total	1,720

CARBON MONOXIDE	
Sandia & Manzano Bases	603
AFWL tenants	N
Sandia Lab	800
Lovelace DASA	N
Lovelace AEC	317
Total	1,720

HYDROCARBONS	
Sandia & Manzano Bases	603
AFWL tenants	N
Sandia Lab	800
Lovelace DASA	N
Lovelace AEC	317
Total	1,720

OXIDES OF NITROGEN	
Sandia & Manzano Bases	21,715
AFWL tenants	N
Sandia Lab	28,800
Lovelace DASA	N
Lovelace AEC	11,405
Total	61,920

SULFUR DIOXIDE	
Sandia & Manzano Bases	16,588
AFWL tenants	N
Sandia Lab	22,000
Lovelace DASA	N
Lovelace AEC	8,712
Total	47,300

SULFUR TRIOXIDE	
Sandia & Manzano Bases	211
AFWL tenants	N
Sandia Lab	280
Lovelace DASA	N
Lovelace AEC	111
Total	602

PARTICULATES	
Sandia & Manzano Bases	6,937
AFWL tenants	N
Sandia Lab	9,200
Lovelace DASA	N
Lovelace AEC	3,643
Total	19,780

LIQUID (LP) GAS BURNING EMISSION

ALDEHYDES	lbs/year
Sandia & Manzano Bases	N
AFWL tenants	N
Sandia Lab	N
Lovelace DASA	N
Lovelace AEC	N
Total	N

CARBON MONOXIDE	
Sandia & Manzano Bases	N
AFWL tenants	3
Sandia Lab	1
Lovelace DASA	1
Lovelace AEC	1
Total	6

HYDROCARBONS	
Sandia & Manzano Bases	N
AFWL tenants	N
Sandia Lab	N
Lovelace DASA	N
Lovelace AEC	N
Total	N

OXIDES OF NITROGEN	
Sandia & Manzano Bases	19
AFWL tenants	716
Sandia Lab	195
Lovelace DASA	215
Lovelace AEC	110
Total	1,255

OXIDES OF SULFUR	
Sandia & Manzano Bases	N
AFWL tenants	3
Sandia Lab	1
Lovelace DASA	1
Lovelace AEC	1
Total	6

PARTICULATES	
Sandia & Manzano Bases	3
AFWL tenants	117
Sandia Lab	32
Lovelace DASA	35
Lovelace AEC	18
Total	205

SOLVENT USAGE EMISSIONS

HYDROCARBONS	lbs/year
Sandia & Manzano Bases	62,500
AFWL tenants	6,230
Sandia Lab	129,600
Lovelace DASA	1,916
Lovelace AEC	958
Total	201,204

PAINTING EMISSIONS

HYDROCARBONS	
Sandia & Manzano Bases	72,800
AFWL tenants	1,800
Sandia Lab	57,200
Lovelace DASA	1,500
Lovelace AEC	N
Total	133,300

OTHER

Sandia & Manzano Bases	4,345
AFWL tenants	N
Sandia Lab	6,570
Lovelace DASA	N
Lovelace AEC	N
Total	10,915

INCINERATION OR BURNING EMISSION

ALDEHYDES	lbs/year
Sandia & Manzano Bases	82
AFWL tenants	N
Sandia Lab	40
Lovelace DASA	6
Lovelace AEC	N
Total	128

CARBON MONOXIDE	
Sandia & Manzano Bases	4,080
AFWL tenants	N
Sandia Lab	1,760
Lovelace AEC	N
Total	10,685

HYDROCARBONS	
Sandia & Manzano Bases	1,469
AFWL tenants	N
Sandia Lab	168
Lovelace DASA	1,140
Lovelace AEC	N
Total	2,777

OXIDES OF NITROGEN	
Sandia & Manzano Bases	816
AFWL tenants	N
Sandia Lab	120
Lovelace DASA	627
Lovelace AEC	N
Total	1,563

OXIDES OF SULFUR	
Sandia & Manzano Bases	408
AFWL tenants	N
Sandia Lab	80
Lovelace DASA	N
Lovelace AEC	N
Total	488

PARTICULATES	
Sandia & Manzano Bases	1,224
AFWL tenants	N
Sandia Lab	400
Lovelace DASA	912
Lovelace AEC	N
Total	2,536

MATERIAL USAGE FIGURES

GASOLINE USAGE	Gallons/year
Sandia & Manzano Bases	1,780,258
AFWL tenants	24,160
Sandia Lab	364,000
Lovelace DASA	4,500
Lovelace AEC	3,000

DIESEL ENGINE USAGE	
Sandia & Manzano Bases	25,000
AFWL tenants	6,000
Sandia Lab	100,000
Lovelace DASA	N
Lovelace AEC	N

FUEL OIL USAGE	
Sandia & Manzano Bases	301,628
AFWL tenants	N
Sandia Lab	400,000
Lovelace DASA	N
Lovelace AEC	158,392

GAS (NATURAL)	Cu Ft/year
Sandia & Manzano Bases	514,018,000
AFWL tenants	N
Sandia Lab	1,127,273,000
Lovelace DASA	N
Lovelace AEC	N

GAS LIQUID (LP)	Gallons/year
Sandia & Manzano Bases	4,000
AFWL tenants	150,000
Sandia Lab	41,000
Lovelace DASA	45,000
Lovelace AEC	23,080

PAINT USAGE	Gallons/year
Sandia & Manzano Bases	12,140
AFWL tenants	300
Sandia Lab	7,863
Lovelace DASA	250
Lovelace AEC	N

SOLVENT USAGE	Gallons/year
Sandia & Manzano	6,552
AFWL tenants	650
Sandia Lab	13,516
Lovelace DASA	200
Lovelace AEC	100

INCINERATION OR BURNING	lbs/year
Sandia & Manzano Bases	816,000
AFWL tenants	N
Sandia Lab	79,800
Lovelace DASA	53,400
Lovelace AEC	N

Incl 3

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FIELD COMMAND CHAPLAIN'S OFFICE

Chaplain (COL) John A. Lindvall, USA, Command Chaplain

I. (U) ACTIVATION: As recorded in the Semi-Annual Historical Report of the Field Command Chaplain's Office for period 1 July - 31 December 1964.

II. (U) MISSION: As recorded in the Semi-Annual Historical Report of the Field Command Chaplain's Office for period 1 July - 31 December 1964.

III. (U) ORGANIZATION: Initially as recorded in the Semi-Annual Historical Report of the Field Command Chaplain's Office for period 1 July - 31 December 1964. Effective 1 Jan 1970 the Field Command Chaplain assumed collateral duty as the Sandia Base Chaplain. At that time also the Manzano Base Chaplain Section merged with and under the control of the Field Command/Sandia Base Chaplain Section.

IV. (U) PERSONNEL: Personnel assigned to this section during this reporting period are as follows:

Chaplain (COL) John A. Lindvall, 567-07-5324, USA 13 Sep 69
FC Chaplain since 1 Oct 69

SSgt Joseph L. Webb, FR407-60-5775, USAF 14 Nov 67
FC/Sandia Base NCOIC since 5 Dec 69

V. (U) ACTIVITIES:

A. The Tenth Military Chaplains Nuclear Training Course was conducted at Sandia Base 17 - 20 March 1970. Sixty-five military chaplains from major service headquarters throughout the United States participated in the Course. The Field Command Chaplain was the project officer. By direction of the Armed Forces Chaplains' Board and Headquarters Defense Atomic Support Agency and until further notice the Course will be discontinued.

[redacted]

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B. The Field Command Chaplain attended the American Institute of Family Relations Course in Los Angeles, Calif., 21 Jun - 5 Jul.

C. The Field Command Chaplain participated in the denominational Commission on Chaplains meeting for the Assemblies of God Church in Springfield, MO 24-26 Jan 70.

D. The Field Command Chaplain serves on the committee for Impact 70 - a program of outreach for the Assemblies of God Churches in the Albuquerque area.

VI. (U) RELIGIOUS COVERAGE: Religious coverage was complete in every respect. Where one particular faith group was not represented by a chaplain, transportation was provided so they might attend services in the civilian community.

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HEADQUARTERS AND HEADQUARTERS COMPANY
U.S. ARMY ELEMENT, FIELD COMMAND, DASA

Major Gerald E. Donaldson, Infantry, USA, Commanding

I. (U) ACTIVATION:

As recorded in the semiannual historical report of Headquarters and Headquarters Company, U.S. Army Element, Field Command, DASA, dated 1 July 1969 - 31 December 1969.

II. (U) MISSION: The mission of Headquarters and Headquarters company, U.S. Army Element, Field Command, DASA (SD-5805) is to:

a. Provide command and disciplinary control, unit supply and administration, non-atomic training, and morale and welfare activities to all assigned and attached enlisted personnel.

b. Provide unit logistical support and mandatory training to all Army officers assigned to Headquarters and Headquarters Company; Joint Task Force Eight, U.S. Army Element; and Test Command, U.S. Army Element, stationed at Sandia Base.

c. Support Test Command, U.S. Army Element and Joint Task Force Eight, U.S. Army Element, by providing normal unit support, excluding disciplinary control and personnel administration, to enlisted men with duty station at Sandia Base.

d. Provide billets for transient enlisted personnel and civilian groups authorized by the Base Commander to utilize Base facilities.

e. Maintain a student detachment of sufficient capability to support Army enlisted students assigned or attached to Field Command for training.

III. (U) ORGANIZATION: Organizational chart attached.

IV. (U) PERSONNEL:

a. Permanent Party Personnel: (31 July 1970)

	OFF & WO	ENLISTED	TOTAL
Authorized	154	362	516
Assigned	151	361	512

[redacted]

[redacted]

[redacted] 70 0848

[redacted]

b. Student Personnel: (31 July 1970)

	OFF & WO	ENLISTED	TOTAL
*Authorized	-	-	-
Assigned	43	41	84

*There are no students authorized since class quotas vary depending on Department of the Army requirements.

c. Key personnel assigned to this unit during the period covered by this report include the names given below, along with their date of assignment to DASA:

Major Gerald E. Donaldson, Infantry
USA, 318-28-8232
Commanding Officer from 9 May 1970 to
Present

Captain Lloyd B. Arnold, Armor
USA, 410-72-2980
Non-Tactical Unit Officer from 22 April to
Present

1st Sergeant Marcellus H. Fricke,
USA, 490-44-9813
1st Sergeant from 25 June 1970 to
Present

V. (U) ACTIVITIES: During the period covered by this report this unit has accomplished the following:

a. Conducted routine activities in support of missions enumerated in paragraph II.

b. Supported numerous groups with billets to include:

1. Army Convoys

2. USAR Schools and annual active duty training

c. Supplied burial details for numerous military funerals in the surrounding area of New Mexico.

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[redacted]

[redacted]

[redacted]

d. In Sandia Base Serviceman of the Month/Quarter/Year competition, this unit produced the following winners during the six (6) month reporting period:

1. Monthly winners in January, February and June

e. Won 2nd place in Base Basketball competition.

f. Two individuals from this unit won first place in their classes in Fourth Army Boxing competition.

g. Won 1st place in Base Tennis competition.

h. One individual from this unit won first place in his class in Fourth Army Wrestling competition.

i. Won 1st place in New Mexico .30 caliber Rifle Firing Team competition.

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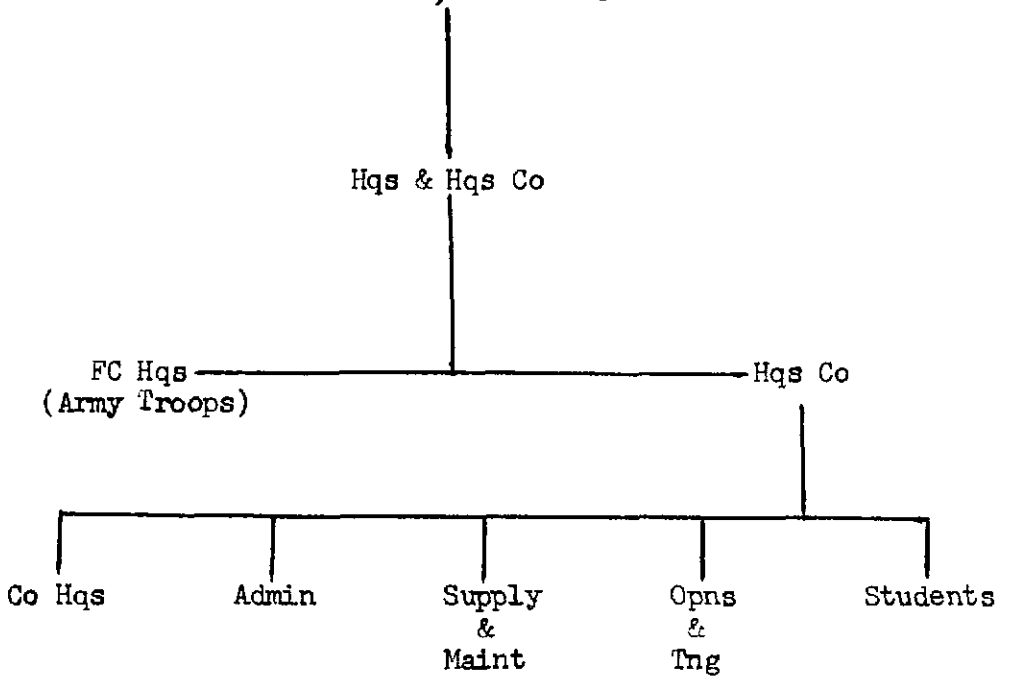
HEADQUARTERS AND HEADQUARTERS COMPANY
U.S. ARMY ELEMENT, FIELD COMMAND, DASA
Sandia Base, New Mexico



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NAVAL ADMINISTRATIVE UNIT

Captain William B. Oliver, USN, Commanding Officer

I. (U) ACTIVATION. As recorded in Semiannual Historical Report of the Naval Administrative Unit, dated 1 July to 31 December 1963.

II. (U) MISSION. As recorded in Semiannual Historical Report of the Naval Administrative Unit, dated 1 July to 31 December 1967.

III. (U) ORGANIZATION. As recorded in Semiannual Historical Report of the Naval Administrative Unit, dated 1 January to 30 June 1967.

IV. (U) PERSONNEL. Key personnel on duty in the Naval Administrative Unit during the period covered by this report include the names given below, along with their date of assignment to this Unit:

Captain William B. OLIVER, USN, 103980 Commanding Officer, since 29 June 1966	27 June 1966
Commander Vance L. HARRIS, USNR, 530980 Executive Officer, since 26 June 1969	9 June 1969
Lieutenant Genaro M. ROYBAL, USN, 660747 Administrative Officer, since 10 July 1969	10 July 1969
Lieutenant Albert V. SCHNOEBELEN, USN, 686044 Personnel Officer, 25 November 1966 - 30 March 1970	25 November 1966
Lieutenant(junior grade) Dallas E. WILHELM, Jr., USNR, 736623, Personnel Officer, since 31 March 1970	16 February 1970
CWO2 Robert L. SHARP, USN, 697398 Education Services Officer, since 30 December 1968	29 December 1968
HMC Bobby G. ROGERS, USN, 750 08 35 Chief in Charge Medical Section, since 30 April 1969	16 January 1969
YNC Doyle L. WOODLIEF, USN, 451 58 53 Chief in Charge Administrative Office, since 15 December 1969	21 November 1969

[redacted]

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YN2 Joseph L. LUCERO, USN, 686 51 58 — 9 December 1968
Petty Officer in Charge Education & Training, since 17 March 1969

YN1 Charles C. KENNINGTON, USN, 994 76 28 — 14 February 1966
Petty Officer in Charge Enlisted Personnel Section, 1 July 1967 - 27 February 1970

PN1 Juan ESPARZA, USN, 767 49 31 — 24 February 1968
Petty Officer in Charge Enlisted Personnel Section, since 28 February 1970

SK2 George M. THOMAS, USN, 918 64 51 — 15 October 1969
Petty Officer in Charge Supply Section, since 28 November 1969

SK2 Charles D. RAINWATER, USN, 353 89 00 — 27 March 1969
Assistant Petty Officer in Charge Supply Section, since 28 November 1969

GMG1 Willie "J" PHILLIPS, USN, 474 90 93 — 18 April 1969
Petty Officer in Charge NAU Armory, since 29 September 1969 and Assistant Chief Master-at-Arms, since 18 May 1970

BM1 Edward L. KNIGHT, USN, 499 57 78 — 17 April 1969
Chief Master-at-Arms, since 31 December 1969

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[redacted]

[redacted]

AUTHORIZED STRENGTH

	OFFICERS AND WARRANT OFFICERS	ENLISTED	TOTAL
Headquarters Field Command and Sandia Base			
Navy	123	91	214
Marine Corps	6	6	12
Total	129	97	226
Test Command			
Navy	13	14	27
Marine Corps	1	0	1
Total	14	14	28
NTS Mercury			
Navy	3	16	19
Marine Corps	0	0	0
Total	3	16	19
Joint Task Force EIGHT			
Navy	14	17	31
Marine Corps	1	0	1
Total	15	17	32
Grand Total			
Navy	153	138	291
Marine Corps	8	6	14
Total	161	144	305

[redacted]

[redacted]

[redacted]

ASSIGNED STRENGTH

	OFFICERS AND WARRANT OFFICERS	ENLISTED	TOTAL
Headquarters Field Command and Sandia Base			
Navy	105	91	196
Marine Corps	6	6	12
Total	111	97	208
Test Command			
Navy	12	15	27
Marine Corps	1	0	1
Total	13	15	28
NTS Mercury			
Navy	3	14	17
Marine Corps	0	0	0
Total	3	14	17
Joint Task Force EIGHT			
Navy	14	17	31
Marine Corps	1	0	1
Total	15	17	32
Grand Total			
Navy	134	137	271
Marine Corps	8	6	14
Total	142	143	285

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[redacted]

[redacted]

V. (U) ACTIVITIES. During the period of this report, the Naval Administrative Unit has provided administrative and logistical support for Naval personnel stationed at Sandia Base, Lawrence Radiation Laboratory, Livermore, California, Los Alamos Scientific Laboratory, Los Alamos, New Mexico, and Nevada Test Site, whether in a permanent or temporary status. A resume of personnel functions accomplished for naval personnel attached to the Naval Administrative Unit for administrative purposes during the reporting period is as follows:

A. (U) Officer Personnel Branch

1. Promotions:	13
2. Receipts:	
Ship's Company	24
Temporary Duty and Temporary Additional Duty	21
3. Transfers:	
Ship's Company	11
Temporary Duty and Temporary Additional Duty	11
4. Separations: (Discharge, Resignations, Release to inactive duty and Retirement)	17

B. (U) Enlisted Personnel Branch

1. Promotions:	5
2. Receipts:	
Ship's Company	14
Temporary Duty and Temporary Additional Duty	148
3. Transfers:	
Ship's Company	11
Temporary Duty and Temporary Additional Duty	150
4. Separations: (Discharge, Release to Inactive Duty and Retirement)	11

[redacted]

[redacted]

[redacted]

DEPARTMENT OF THE AIR FORCE
Hq Sq Sec 1090 USAF Sp Rprtg Gp (Hq Comd USAF)
Sandia Base, Albuquerque, New Mexico 87115

Captain Denis A Heimerich, USAF, Commander

I. (U) ACTIVATION: As recorded in Semi-Annual Historical Report of Headquarters Squadron Section, 1090 USAF Special Reporting Group, Sandia Base, New Mexico, dated 1 July 1964 to 31 December 1964.

II. (U) MISSION: As recorded in Semi-Annual Historical Report of Headquarters Squadron Section, 1090 USAF Special Reporting Group, Sandia Base, New Mexico, dated 1 July 1964 to 31 December 1964.

III. (U) ORGANIZATION: As recorded in Semi-Annual Historical Report of Headquarters Squadron Section, 1090 USAF Special Reporting Group, Sandia Base, New Mexico, dated 1 July 1964 to 31 December 1964.

IV. (U) PERSONNEL: Key personnel on duty in this unit during the period covered by this report include the names given below, along with their date of assignment to DASA.

Captain Denis A Heimerich Commander since 11 August 1969	18 Oct 68
2d Lt Lawrence J Neveux Executive Officer since 14 September 1969	14 Sep 69
SMSgt Floyd H Rogers First Sergeant since 1 September 1968	26 Jul 68
MSgt Darwin L Anderson Chief Clerk since 25 August 1968	31 Jul 68
TSgt Gordon R McGregor Supply Sergeant since 1 February 1967	23 Nov 66

V. (U) ACTIVITIES: During the period covered by this report, this squadron has accomplished the following:

A. Provided:

[redacted]

[redacted]

[redacted]

1. Administration, training, billeting and supply services for all assigned and attached personnel.

2. Monthly Commander's Call for all enlisted personnel of this organization.

B. MISCELLANEOUS:

1. There were no Court Martial actions during this period.

2. There were two punishments administered under Article 15, Uniform Code of Military Justice, 1969.

3. The following promotions were effected:

a. Three to Master Sergeant

b. Five to Technical Sergeant

c. Three to Staff Sergeant

d. Five to Sergeant

4. Four noncommissioned officers graduated from the NCO Academy at Kirtland AFB, New Mexico.

5. There were Three Airman of the Month, two Serviceman of the Month, and two Serviceman of the Quarter.

6. The following training was accomplished during this period:

a. 40 airmen completed Accident Prevention Training.

b. 5 airmen completed Articles of the UCMJ Training.

c. 52 officers and 200 airmen completed Code of Conduct Training.

d. 52 officers and 195 airmen completed Communications Security Training.

e. 95 officers and 200 airmen completed Disaster Preparedness Training.

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f. 1 officer and 16 airmen completed First Aid Training.

g. 177 personnel completed the Physical Fitness Test.

h. 3 officers and 14 airmen completed Driver Improvement Training.

C. (U) STRENGTH: Strength figures below, as of 30 June 1970, reflect all officer and enlisted personnel assigned or attached to the Headquarters Squadron Section, 1090 USAF Special Reporting Group.

AUTHORIZED STRENGTH

	Officers	Enlisted	Total
Air Force	2	328	330

ASSIGNED STRENGTH

Air Force	Officers	Enlisted	Total
	2	296	298

[redacted]

[redacted]

[redacted]

COMPTROLLER

Colonel Edmund Czapski, USAF, Comptroller

I. (Unclassified) ACTIVATION: As recorded in Semiannual Historical Report of Comptroller, 1 July 1961 to 31 December 1961 and 1 July 1964 to 31 December 1964.

II. (Unclassified) MISSION: As recorded in Semiannual Historical Report of Comptroller, 1 July 1964 to 31 December 1964.

III. (Unclassified) ORGANIZATION: See attached organizational chart.

IV. (Unclassified) PERSONNEL: Key personnel on duty within the Comptroller during the period covered by this report:

NAME	DATE ASSIGNED DASA
Colonel Edmund Czapski Comptroller 1 August 1968 to date	12 July 1968
E. M. Taylor, Civilian Chief, Budget & Fiscal Division 1 January 1947 to 14 March 1957 Director, Budget & Fiscal Division 15 March 1957 to 1 July 1958 Asst Deputy Chief of Staff, Comptroller 1 July 1958 to 30 April 1964 Acting Deputy Chief of Staff, Comptroller 1 May 1964 to 12 July 1964 Asst Deputy Chief of Staff, Comptroller 13 July 1964 to 31 August 1964 Assistant Chief, Comptroller Group 1 September 1964 to 31 May 1967 Assistant Comptroller 1 June 1967 to date	1 January 1947
LtCol George F. Weddell Chief, Program Analysis Division 8 August 1969 to date	7 August 1969

[redacted]

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[redacted]

LTC William J. Nelson — 25 October 1968
Chief, Finance and Accounting Division
15 November 1968 to date

Erno Hanz, Civilian — 8 April 1946
Chief, Budget Branch
1 January 1947 to 30 June 1958
Director, Budget Division
1 July 1958 to 31 August 1964
Chief, Budget Division
1 September 1964 to date

LTC Robert C. McCulloch — 31 August 1967
Asst Chief, Manpower & Organization Division
31 August 1967 to 31 December 1967
Chief, Manpower & Organization Division
1 January 1968 to date

Colonel Robert M. Mebane — 16 September 1968
Chief, Data Automation Division
1 October 1968 to date

V. ACTIVITIES: During the period covered by this report the Comptroller has accomplished the following:

A. Budget Division

1. Estimates & Operations Branch

a. (Unclassified) During the period 1 January - 30 June 1970 this Branch finalized the FY 1971 Apportionment Submission covering fund requirements under the Operation and Maintenance and Family Housing appropriations. Budgets as submitted from subordinate activities were reviewed and adjusted during the period 17 March-15 April 1970 based on limitations prescribed by Director, DASA. Reviews were conducted during the period 16 April - 5 May 1970 in coordination with the Field Command Staff activities, presented to the Field Command Budget Review Committee and Commander, Field Command for final approval. Budgets were submitted to Director, DASA, requesting the following amounts:

[redacted]

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APPROPRIATION	AMOUNT
Operation and Maintenance	
New Obligation Authority (Direct Funds)	$25,553,000
Funded Reimbursement Requirements	3,102,000
Unfunded Wage Increases	659,000
Family Housing	1,871,000
Unfunded Family Housing - Projects	169,300
Unfunded Family Housing - Wage Increases	56,000
Stock Fund	9,462,000

b. (Unclassified) A mid-year review and third-quarter update for the FY 1970 Operating Budget for Operation and Maintenance and Family Housing funds was made during this period. Purpose of reviews was to assure proper distribution and utilization of funds where needed, to provide financing for unfunded requirements where possible, and to reflect organizational and functional changes which had taken place.

c. (Unclassified) Guideline instructions were issued in January 1970 for the submission of changes to cover the remainder of the FY 1970 operating budget, establish input for the FY 1971 apportionment budget based upon current guidelines, and prepare the Budget Estimate for FY 1972. The apportionment budget was submitted to DASA in early May 1970.

d. (Unclassified) Fund authorizations for the 3d and 4th quarters FY 1970 were issued during this period.

e. (Unclassified) A representative of the Budget Division (Erno Hanz) was placed on TDY in Washington, D. C. in June 1970 for the purpose of discussing and defending the FY 1971 Operations and Family Housing Budgets.

f. (Unclassified) During May and early June the Field Command Instructions 7000.1, Financial Resources Management Manual was revised to include the DASA RMS structure to be used for reporting expenses in FY 1971 and adapted to reflect changes in the proposed organizational structure and revised JTD.

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[redacted]

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2. Major Procurement Branch

a. (Unclassified) During this period (March - April) the FY 1971 Operating Budget for Procurement was finalized. Budget was reviewed in coordination with Field Command Staff activities and subsequently presented to the Field Command Budget Review Committee and the Commander, Field Command, for consideration and approval. Budget was submitted to Director, DASA, in early May requesting the following amounts:

Atomic Weapons Training Materiel	135,000
Vehicles	131,650
Other Capital Equipment (Medical - Communications - Electronic)	67,350
Total Direct Funds	334,000
Army	1,951,000
Navy	2,605,000
Air Force	1,708,973
Total Reimbursable Funds	6,264,973
Grand Total Direct and Reimbursable Funds	6,598,973

b. (Unclassified) The above estimates were discussed by a representative of this Division (Erno Hanz) with DASA personnel in Washington in June 1970.

c. (Unclassified) During January 1970 the semi-annual revision to the atomic weapons training materiel Price Bulletin was issued. These bulletins are issued to the three military Services for use in preparing budgets and procurement documents.

d. (Unclassified) MIPR's were received from the Services during this period for atomic weapons training materiel in the amount of $3,129,889.00. These requirements were consolidated and placed on Economy Act Orders to the AEC.

e. (Unclassified) Fund authorizations were issued during the period to finance Procurement requirements of Field Command activities.

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[redacted]

f. (Unclassified) A mid-year (January) and third-quarter (April) review of Procurement funds was conducted to assure maximum and proper use of available funds.

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BUDGET DIVISION

AUTHORIZED STRENGTH

	Officers & Warrant Officers	Enlisted	Total
Army	0	0	0
Navy	0	0	0
Marine Corps	0	0	0
Air Force	0	0	0
Civilian	___	___	8
Total	0	0	8

ASSIGNED STRENGTH

	Officer & Warrant Officers	Enlisted	Total
Army	0	0	0
Navy	0	0	0
Marine Corps	0	0	0
Air Force	0	0	0
Civilian	___	___	8
Total	0	0	8

[redacted]

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B. Finance and Accounting Division

1. Quality Assurance Office

a. (Unclassified) Monthly audits of 440 FDRF's revealed 673 errors. Year audit of Army and Navy W2 forms was performed in January. An extensive audit of Navy pay records was conducted in January. Numerous errors warranted a 100% audit of close-out and carry forwards to new pay records.

b. (Unclassified) 1970 Savings Bond Drive was conducted in Field Command, DASA, 1 May - 30 June 1970. Quality Assurance provided a task force for Comptroller to organize and report results to DASA. Final results showed an 8% increase in total participation on Sandia-Manzano Base.

c. (Unclassified) 2LT Michael J. Hogan attended Military Accounting Course at Fort Benjamin Harrison, Indiana, 8 March - 3 April 1970.

2. Systems Accountant

a. (Unclassified) A systems requirements package was completed and furnished to FCCT7, Data Automation Division. The accounting system devised is intended to furnish more timely fund status, automatic entries with overlapping aspects to prevent imbalances which occur when done manually, provide for automatic reconciliation of files and reports, provide a simple means of adding, deleting and changing files, provide for many more automated reports in proper format for dispatch, and many other features not presently in the accounting system.

b. (Unclassified) The Hospital went under the Surgeon General 1 July 1970 funded by Army funds. During the reporting period the Systems Office developed manual procedures to prepare the report required by the Surgeon General. There was no way to develop a machine procedure for mechanized reports without a major increase in the present data bank. Data Automation Division could not furnish systems and programming service for this type of requirement.

c. (Unclassified) Reorganization of Field Command placed an additional requirement for processing end of year payroll into the fiscal records of two fiscal years. Systems Office developed this procedure and with the cooperation of the Data Automation

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Division, irregularities in last fiscal year end programs were found that contributed to the July 1969 payroll problems. These items have been corrected and an accurate year end handling of payroll is expected.

3. Disbursing Branch

(Unclassified) As per notice from the Treasure Department, all US Savings Notes (Freedom Shares) have been discontinued as of 30 June 1970. The Check and Bond Section is in the process of returning all unused Savings Notes to the Federal Reserve Bank.

4. Examination Branch

a. Military Pay Section

(1) (Unclassified) US Army Reserves. Reserve units reported to Sandia Base, New Mexico for annual active duty for training effective 30 May 1970. Approximately 835 payments were processed by 30 June 1970. Reserve finance clerks, called to active duty for training, are being utilized to staff a Reserve Pay Unit within the Military Pay Section.

(2) (Unclassified) JTD changed 1 January 1970 with final change effective 1 April 1970 abolished one Navy space. Military Pay Section currently operating with staffing authorized as of 1 January 1970.

b. Civilian Pay Section

(1) (Unclassified) The phase out of Bossier Base was completed in January 1970. This caused a loss of approximately 100 accounts in the Civilian Pay Section.

(2) (Unclassified) Computerization of Civilian Pay Section was not implemented in the last half of the Fiscal Year 1970. For testing purposes, 265 pay accounts were processed as input to the computer for a dual operation in April, May, and June 1970. Results of testing are unknown since there has been no output from the computer.

(3) (Unclassified) Reduction in Force is being implemented in FY 1970 causing a loss of 3 persons in Civilian Pay Section.

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5. Accounting Branch

a. (Unclassified) In April, Data Processing converted the accounting data from an IBM 360/30 to an IBM 360/40 Computer. During the process, historical data was lost, thus necessitating the reconstruction of accounting records in some areas. This additional accounting workload, combined with the careful review of fiscal year records, required overtime for accounting personnel.

b. (Unclassified) Captain Donald C. Prettol, USA, was assigned as the Chief, Accounting Branch, during the month of May. He replaced Captain L. H. Groves, who was transferred to an overseas assignment. Mr. Dean E. Roberts, GS-11, was assigned as Assistant Branch Chief during this period.

6. Workload Analysis

a. (Unclassified) Disbursements

Gross	$ 58,489,000.00
Cash	1,038,000.00
Check	53,050,000.00
Voucher Deductions	4,401,000.00

b. (Unclassified) Collections

Gross	18,657,000.00
Cash	14,256,000.00
Voucher Deductions	4,401,000.00

c. (Unclassified) Work Units

Line items processed (Fiscal)	150,000
Commerical Vouchers Processed	8,603
Commercial Invoices Processed	13,691
Civilian Personnel Records Maintained	8,308

[redacted]

[redacted]

[redacted]

Military Personnel Records Maintained	9,340
Travel Vouchers Processed	3,345
PCS Paid	838
Savings Bonds and Notes Issued	6,076
Casual/Partial Military Payments	3,567
FDRF Reviews	440
Quality Assurance Special Studies	3

[redacted]

[redacted]

[redacted]

FINANCE AND ACCOUNTING DIVISION

AUTHORIZED STRENGTH

	Officers and Warrant Officers	Enlisted	Total
Army	3	11	14
Navy	1	2	3
Marine Corps	0	0	0
Air Force	0	3	3
Civilian	___	___	71
Total	4	16	91

ASSIGNED STRENGTH

	Officers and Warrant Officers	Enlisted	Total
Army	3	12	15
Navy	1	2	3
Marine Corps	0	0	0
Air Force	0	3	3
Civilian	___	___	71
Total	4	17	92

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C. Manpower and Organization Division

1. (Unclassified) JTD changes in manpower authorizations for Field Command during the period of this report were as follows:

ACTIVITY	Officers	Enlisted	Civilian	Total
Hq Field Command				
1 January 1970	410	763	724	1897
Changes	-4	-94		-98
30 June 1970	406	669	724	1799
Hq Sandia Base				
1 January 1970	33	306	592	931
Changes	-1	-2		-3
30 June 1970	32	304	592	928
Manzano Base				
1 January 1970	16	228	3	247
Changes		-2		-2
30 June 1970	16	226	3	245
FIELD COMMAND				
1 January 1970	459	1297	1319	3075
Changes	-5	-98		-103
30 June 1970	454	1199	1319	2972

2. (Unclassified) Significant manpower and organization changes made during the reporting period are as follows:

a. Organization Changes:

(1) The Classified Control Section, Data Automation Division Comptroller, was created as an activity of the Data Processing Branch.

(2) The Standards Laboratory/Calibration Section, FCNM, was retitled as the Standards Laboratory Section.

(3) The Calibration Section was created within the Instrument Repair and Calibration Branch, FCNM.

(4) The Instrument/Equipment Repair Shop Section was retitled the Technical Repair Section, FCNM.

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(5) The Housing Branch, Sandia Base, was reorganized internally. The previous five Sections of the Branch were reorganized into four Section and two Units.

(6) A proposed reorganization of Field Command was prepared during the period and draft JTD's were forwarded to Headquarters, DASA, for approval in June 1970. The reorganization proposal includes consolidation of functions, deletion of certain functions, creation of new functions, and deletion of manpower authorizations.

b. Changes Affecting Overall Field Command Strength:

Officers: -5. Spaces were coded 4/70 on the 1 January 1970 JTD. Reductions are in relation to the Single Side-Band and New Computer Programs. Authorities: (a) MJCS 582-69, 31 December 1969; (b) DASA (OAPA) letter, JCS Approval of JTD, 9 January 1970; (c) MAVs 16-70, 17-70, and 18-70, 9 April 1970.

Enlisted: -98. Spaces were coded 4/70 on the 1 January 1970 JTD. Reductions are in relation to the Single Side-Band, New Computer, and Classified Control Section Programs. Authorities: (a) MJCS 582-69, 31 December 1969; (b) DASA (OAPA) letter, JCS Approval of JTD, 9 January 1970; (c) MAVs 16-70, 17-70, and 18-70, 9 April 1970.

3. (Unclassified) Review and certification of civilian vacancies continued in effect as required by DASA Instructions. Total certifications for reporting period follow:

Organization	Certified
Hq Field Command	42
Sandia Base	42
Manzano Base	3
Total	87

[redacted]

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[redacted]

MANPOWER & ORGANIZATION DIVISION

AUTHORIZED STRENGTH

	Officers & Warrant Officers	Enlisted	Total
Army	1	0	1
Navy	0	0	0
Marine Corps	0	0	0
Air Force	1	2	3
Civilian	___	___	3
Total	2	2	7

ASSIGNED STRENGTH

	Officers & Warrant Officers	Enlisted	Total
Army	1	0	1
Navy	0	0	0
Marine Corps	0	0	0
Air Force	1	2	3
Civilian	___	___	2
Total	2	2	6

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D. Program Analysis Division

1. (Unclassified) A management information briefing has been formulated and presented for all areas of the Command on a monthly basis. This briefing depicts progress, identifies trends and disseminates general management information to the Commander and staff.

2. (Unclassified) A Command Management Summary is being published on a quarterly basis. This publication graphically portrays comparative and statistical data that shows progress toward the goals and mission of the Command.

3. (Unclassified) The Civilian Pay Forecasting Program is continuing.

4. (Unclassified) Field Command Cost Reduction Program saved $372,795 for FY 70 with a 3-year effect of $1,536,113. A large portion of this amount was generated by the consolidation of facilities brought about by the reorganization of FC DASA and a new JTD.

5. (Unclassified) An operations sybsystem to the Five Year Defense Program has been developed which compares current year expense to the budget.

6. (Unclassified) The Output Measurement Program is continuing.

7. (Unclassified) Monitoring the installation of the IBM 360 computer complex and programming and implementation of a new nuclear weapons stockpile reporting system by a Program Evaluation and Review Technique PERT network was continued.

8. (Unclassified) The Five Year Defense Program for CY 1970 was prepared and forwarded to Headquarters, DASA, during this period.

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PROGRAM ANALYSIS DIVISION

AUTHORIZED STRENGTH

	Officers & Warrant Officers	Enlisted	Total
Army	0	0	0
Navy	0	0	0
Marine Corps	0	0	0
Air Force	2	3	5
Civilian	—	—	4
Total	2	3	9

ASSIGNED STRENGTH

	Officers & Warrant Officers	Enlisted	Total
Army	0	0	0
Navy	0	0	0
Marine Corps	0	0	0
Air Force	2	3	5
Civilian	—	—	4
Total	2	3	9

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E. Data Automation Division

1. Data Systems Branch (Systems structure as of 30 June 1970 is attached as Inclosure 1)

a. (Unclassified) Stockpile Management Systems:

(1) Stockpile Accounting and Reporting System (SMARS). Testing of this system continued through this period. Difficulties in getting this system operational were mainly attributable to the software/hardware furnished by International Business Machines Corporation (IBM). Changes in requirements also delayed finalizing computer programs. The development of SMARS was 97% complete as of 30 June 1970.

(2) Stockpile Emergency Accounting and Reporting System (SEARS). This is a summary reporting system to complement SMARS. It was 95% complete as of 30 June 1970.

(3) Nuclear Stockpile Accounting and Reporting System (NUSPARS). The operation of this system was transferred from the Interim 360/30 Sandia Base, to the 360/40, H & J Bay, Plant II, Manzano Base, on 25 May 1970.

b. (Unclassified) Base Logistics and Nuclear Materiel Systems.

(1) All Base Logistics support programs underwent a language conversion to System 360 OS COBOL, and were implemented on the Manzano 360/40/20, 1 April 1970. These systems were moved to the Sandia 360/40 during June 1970.

(2) Work continued on new Nuclear Materiel systems. Programming is almost complete on the Nuclear Materiel Management Information System. System design of the Nuclear Materiel Inventory Management System continues with several subsystems ready for programming.

(3) All requirements have been received for the Standardization and Cataloging Systems. The systems design of the DD146 Characteristic Data Subsystem was complete and programs are being developed under contract.

(4) Modification to the current Federal Cataloging System, to support the DASA assumption of DLSC Mission for atomic ordnance was implemented.

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c. (Unclassified) Financial Accounting. All Financial Management systems programs were converted from 1401 AUTOCODER to 360 OS COBOL. All systems are operational on the Sandia 360/40.

d. (Unclassified) Personnel Management System. A new contract was let at a fixed price of $77,569 on 19 June 1970 to complete programming and implementation of the system by 30 June 1970. Acceptance testing was still in progress on 30 June 1970.

e. (Unclassified) Test Command Systems. Design of the DASA Capital Equipment Control System was completed. The design was approved by Test Command and program development has begun.

f. (Unclassified) Adjutant General System. Approval was received to lease an IBM 870 Document Writer for Classified Document Control. It will be used primarily for printing of Secondary Account Inventories and Certificates of Destruction.

g. (Unclassified) Data Automation Systems:

(1) Status of Contracts:

(a) Contract DASA 01-69-C-0094 with Federal Systems Division, International Business Machines Corporation, was completed during this period. As indicated in the history for 1 July 1969 - 31 December 1969, the work performed was deficient in some areas. A settlement of $255,000 was agreed to by the Government and IBM. The computer complex installed was purchased as part of the final settlement with IBM for $2,007,002. This did not include two 2314 magnetic disk units.

(b) Contract DASA 01-69-0086 with Federal Systems Division, International Business Machines Corporation, to design and program a Production Control/ADP Management Information System for Field Command was extended for 1880 manhours as part of the settlement of Contract DASA 01-69-C-0094.

(c) Contract DASA 01-69-C-0173 with Federal Systems Division, International Business Machines Corporation, to convert 131 1401 AUTOCODER programs to System 360 COBOL was not completed on schedule. It was extended for 896 manhours with successful completion 30 June 1970.

(2) A second 360/40 was installed in Building 203A, Sandia Base, on 5 June 1970 to support unclassified systems. The 360/40 at

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[redacted]

Manzano Base with remote-job-entry at the 360/20 in Building 203B, Sandia Base, will be used for classified data processing.

2. Data Processing Branch

a. (Unclassified) Organization. The Classified Control Unit was established and made operational 2 April 1970. Manning was by temporarily assigned personnel initially, and then partially, with Data Automation Division personnel as some of the temporary personnel were released. The Classified Control Unit evolved into the Classified Production Control Unit, 25 May 1970, as the Production Control Section was divided into a classified unit and an unclassified unit.

b. (Unclassified) Key Punch Decentralization

(1) Action was initiated with Sandia Base and the Sandia Base Hospital in March 1970 to have these two organizations assume responsibility for their key punch support. Finalization of a plan was delayed, as a result of problems encountered in transfer of key punch billets. This problem was solved by establishing billets at Sandia Base on the FY 71 JTD with the intention that Sandia Base would provide key punch support for the hospital. Final key punch decentralization is now awaiting approval of the FY 71 JTD.

(2) Decentralization meetings with FC DASA organizations were held in May 1970 to develop a training plan. Training sessions are planned for July.

c. Equipment. An additional IBM 360/40 computing system was installed and made operational during the period 1 - 6 June 1970. This additional computing system provides processing capabilities for unclassified applications.

d. (Unclassified) Facilities

(1) An interim computer room was constructed in the basement of Building 203B to house the new 360/40.

(2) Additional construction in rooms 108, 110, and 111, Building 203B, nearly nearly readied the area as a vault. Only minor modifications remain to have the area designated as a vault.

e. (Unclassified) Personnel

(1) Captain Jeffrey A. Bannister, Chief, Data Processing Branch, departed 27 February 1970. SMSgt Harvey D. Guess was appointed

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as acting chief from 19 January 1970 until the arrival of Captain Bannister's replacement, Captain Claude W. Lair. Captain Lair assumed duties as Chief on 2 March 1970.

(2) Manning the new 360/40 computing system resulted in considerable strain upon the available manpower. Maximum effort was exerted to preclude this strain from degrading our productions.

(3) 2LT Lawrence J. Neveux was temporarily assigned from 2 April - 14 June 1970 to aid in establishing the Classified Control Unit.

f. (Unclassified) Procedures

(1) DAOI 400-08, NUSPARS Production and Transfer

(2) DAOI 400-08A, SMARS Production and Transfer

(3) DAOI 400-12, Classified Control Procedures

3. (Unclassified) Reports Control and Equipment Review Office.

a. Reports Management. Register of Recurring Reports as of 1 July 1970 is 90% complete, and will be published in July. There will be 11 reports added, 22 reports deleted, and 17 RCS changes.

b. Equipment Management

(1) GSA Acceptance Tests were successfully completed on the IBM 360/20/30/40 computer systems and the purchase of these computers was effected on 1 May 1970. The interim IBM 360/30 computer system was replaced by an IBM 360/40 system which was purchased upon installation. Purchase price of these four systems was $2,007,002. Inclosure 2 is an itemized list of those items purchased.

(2) The following 360/40 components are still on rental:

2314-A1	Disk Control	$5,505.00
2314-A1	Disk Control	5,505.00
2311-1	Disk Control	570.00

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c. (Unclassified) An annual savings of $10,464 has been realized through the discontinuance of a 2415-1 Magnetic Tape and Control, previously installed on the IBM 360/20 computer. A one-time savings of $121,288 was realized through the cannibalization of the Interim 360/30 and application of the accrued rental credits. Inclosure 3 identifies each 360/30 component utilized, computer on which it was utilized and the savings that accrued.

d. (Unclassified) A Xerox Computer Forms Printer, Model 2400-IV, was installed in FCCT7 on 27 January 1970, and a test plan was developed to determine the benefits to be realized by its use. The evaluation revealed that the Computer Forms Printer could not be cost justified at this time. Rental was discontinued on 28 May 1970. The Forms Printer may be reconsidered at a later date when maintenance is improved, costs are reduced, and FCCT7 is in a better posture to house and man the Computer Forms Printer operation.

e. (Unclassified) Four UNIVAC 1710 Verifying Interpreting Punches and three IBM 029 Keypunches were installed. Five IBM 026 Keypunches, and one Key Verifier were released. One IBM 870 Document Writing System was ordered for use by FCAG.

f. (Unclassified) Production Management. Transfer of the normal production from the Interim 360/30 to the 360/20/40 was completed, 23 May 1970. Upon installation of the replacement 360/40 system 6 June 1970 in the basement, Building 203A, transfer of unclassified production to this system was begun. An estimated 95% of the production work had been transferred by 30 June 1970.

4. (Unclassified) Formal Training. The Data Automation Division remains almost totally dependent upon the IBM Corporation for formal technical training. Since unbundling this training support requires payment of tuition. Sheppard Air Force Base is utilized for non-IBM oriented training. The following training was conducted this report period:

IBM Sponsored	Tuition	No. of Attendees
360 COBOL Coding Workshop	$ 100.00	3
OS Advanced Coding	460.00	1
OS 360 Workshop	1,500.00	2

[redacted]

[redacted]

[redacted]

Air Force Sponsored Training	Tuition	No. of Attendees
Data Systems Analysis & Design	0	1
COBOL	0	1

5. (Unclassified) The Data Automation PERT Program. The PERT technique was discontinued in April 1970 because of insufficient time to maintain the networks. The PERT program formerly used will not operate on the 360/40 computer and must be replaced by IBM software - Project Management System (PMS). It is planned to initialize the PMS as soon as workload allows.

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DATA AUTOMATION DIVISION

AUTHORIZED STRENGTH

	Officers & Warrant Officers	Enlisted	Total
Army	0	15	15
Navy	0	5	5
Marine Corps	0	0	0
Air Force	3	37	40
Civilian	___	___	32
Total	3	57	92

ASSIGNED STRENGTH

	Officers & Warrant Officers	Enlisted	Total
Army	0	14	14
Navy	0	1	1
Marine Corps	0	0	0
Air Force	3	30	
Civilian	___	___	30
Total	3	45	78

[redacted]

[redacted]

[redacted]

TABLE I
SYSTEMS STRUCTURE AS OF 30 JUNE 1970

SOURCE: Program and Job Summary

JOB BY CUSTOMER AREA	30 DEC 69	30 JUN 70	NET CHANGE
Financial Accounting	209	198	- 5%
Data Automation	56	83	+ 48%
Adjutant General	41	41	0%
Base Logistics	64	66	+ 3%
Nuclear Materiel	118	130	+ 10%
Stockpile Management	278	285	+ 3%
Personnel Management	166	197	+ 19%
Test Command	89	94	+ 6%
Utility	97	63	- 35%
Miscellaneous	31	60	+ 94%
Total	1149	1217	+ 6%
JOBS BY EQUIPMENT UTILIZED			
Computer Program	681	711	+ 4%
Multi-Purpose Program	266	276	+ 4%
Computer Sorts/Utilities	161	197	+ 22%
PCAM Jobs	41	33	- 20%
Total	1149	1217	+ 6%
PROGRAM STATUS			
Operational	462	444	- 4%
Under Revision	5	17	+240%
Under Development	214	250	+ 17%
Total	681	711	+ 4%
PROCEDURE STATUS			
Complete	210	210	0%
Incomplete	88	119	+ 35%

Incl 1

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The following equipment was purchased during May and June 1970.

360/40, Sandia Base, Installed Room 203A (Basement)(Unclassified Processing

SN-22739-H8	
2040-H	CPU (Processing Unit)
1052-7	Console Typewriter
1403-N1	Printer
1416-1	Interchangeable Train Cartridge
2316-1	Disk Packs (4)
2401-2	Tape Drive (9T)
2401-2	Tape Drive (9T)
2401-2	Tape Drive (9T)
2401-2	Tape Drive (9T)
2401-2	Tape Drive (9T)
2803-1	Tape Control
2540-1	Card Read Punch
2821-1	Control Unit
2701-1	Data Adapter Unit
2740-1	Comm Terminal
2740-1	Comm Terminal
2740-1	Comm Terminal
2740-1	Comm Terminal

360/30 LDMX Installed Manzano Base (Classified Processing)

203F	CPU - Processing Unit
1051-N1	Control Unit
1052-8	Keyboard Printer
1443-N1	Printer
1443-N1	Printer
2415-1	Tape Drives
2501-B1	Card Reader
2520-B3	Card Punch
2944-1	Channel Repeater
2944-2	Channel Repeater
2822-1	Read Control, Paper Tape
1012-1	Paper Tape Punch
2671-1	Paper Tape Reader
2311-1	Disk Storage Drive
2311-1	Disk Storage Drive
2311-1	Disk Storage Drive
2841-1	Storage Control

Incl 2

[redacted]

[redacted]

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[redacted]

2911-1	Switch
2911-1	Switch
2701-1	Data Adapter Unit
2701-1	Data Adapter Unit

360/20 Installed Manzano Base (Classified Processing)

2020-BC5	CPU (Processing Unit) - 12K
2020-D5	Additional 4K -- Total 16K
2520-A3	Card Punch
2415-1	Mag Tape & Control (2DR)
1401-N1	Printer
1416-1	Interchangeable Train Cartridge
2152-1	Console Typewriter
2501-A2	Card Reader

360/40 Installed Manzano Base (Classified Processing)

2040-H	CPU (Processing Unit)
1052-7	Console Typewriter
1403-N1	Printer
1416-1	Interchangeable Train Cartridge
2401-2	Tape Drive (9T)
2401-2	Tape Drive (9T)
2401-2	Tape Drive (9T)
2401-2	Tape Drive (9T)
2401-2	Tape Drive (7T)
2803-1	Tape Control
2540-1	Card Read Punch
2821-1	Control Unit (Printer, Read-Punch)
2701-1	Data Adapter Unit
2701-1	Data Adapter Unit
2740-1	Comm Terminal
2740-1	Comm Terminal
2740-1	Comm Terminal
2740-1	Comm Terminal
2740-1	Comm Terminal
2316-1	Disk Packs (13)

[redacted]

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Disposition of the Components of the Interim 360/30 are as follows:

To 360/40 - Manzano

TYPE	NOMENCLATURE	SAVINGS
2803-1	Tape Control	$ 6,699

To 360/30 LDMX - Manzano

2030F	CPU	37,726
1051N1	Control Unit	675
1052-8	Keyboard Printer	562
2311-1	Disk Storage Drive	5,079
2311-1	Disk Storage Drive	5,079
2311-1	Disk Storage Drive	5,079
2941-1	Storage Control	3,827

To 360/40 Sandia Base

1401-N1	Printer	9,450
2401-2	Tape Drive	5,238
2401-2	Tape Drive	5,238
2401-2	Tape Drive	5,238
2401-2	Tape Drive	5,238
2401-2	Tape Drive	5,238
2540-1	Card Read Punch	7,128
2821-1	Control Unit	13,795
		$121,288

Incl 3

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COMPTROLLER

AUTHORIZED STRENGTH

	Officers & Warrant Officers	Enlisted	Total
Army	4	26	30
Navy	1	8	9
Marine Corps	0	0	0
Air Force	7	45	52
Civilian	___	___	122
Total	12	79	213

ASSIGNED STRENGTH

	Officers & Warrant Officers	Enlisted	Total
Army	4	26	30
Navy	1	4	5
Marine Corps	0	0	0
Air Force	7	38	45
Civilian	___	___	119
Total	12	68	199

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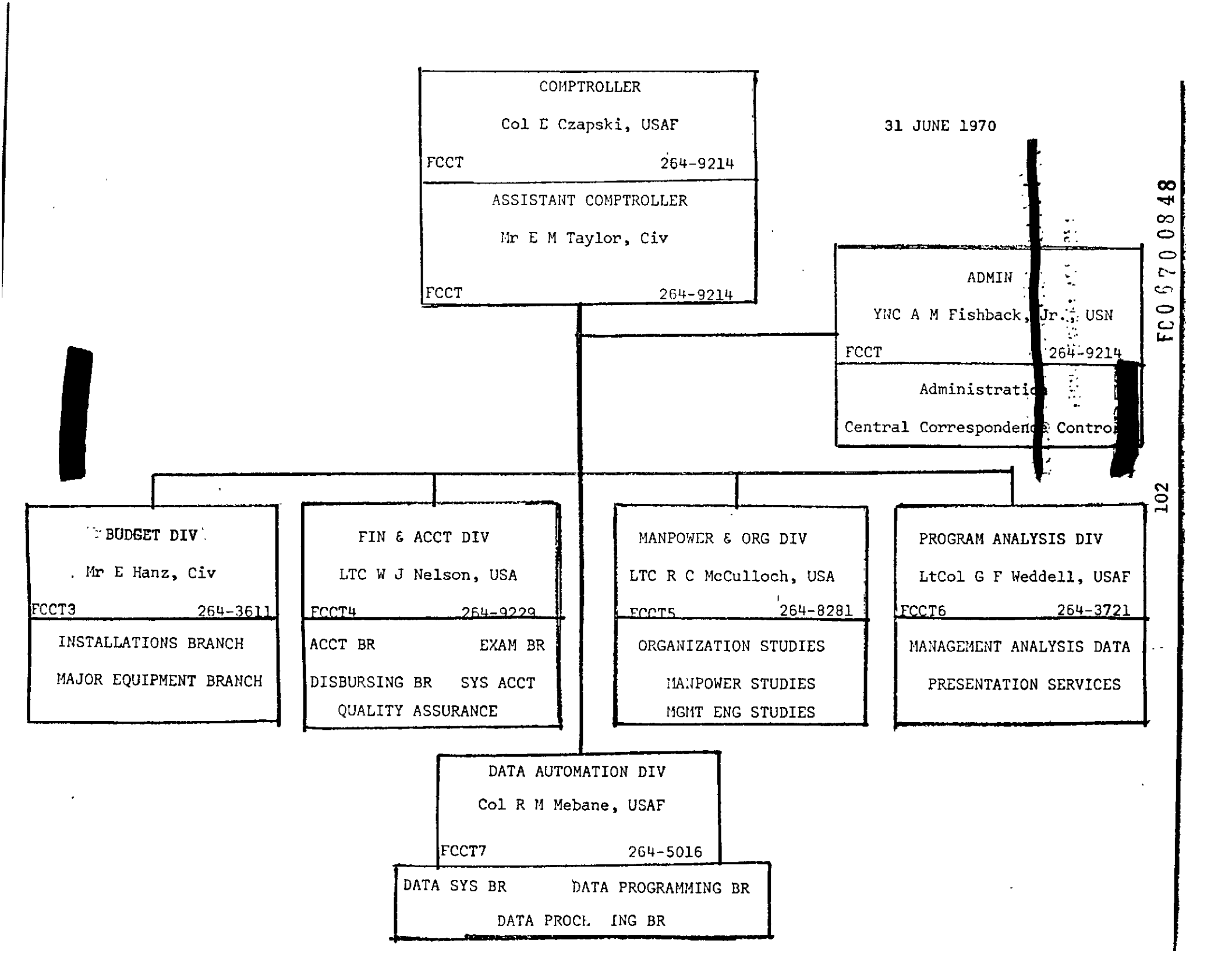
COMPTROLLER
Col E Czapski, USAF
FCCT 264-9214
ASSISTANT COMPTROLLER
Mr E M Taylor, Civ
FCCT 264-9214
31 JUNE 1970
ADMIN
YNC A M Fishback, Jr., USN
FCCT 264-9214
Administrati
Central Correspondenc Contro
BUDGET DIV
Mr E Hanz, Civ
FCCT3 264-3611
INSTALLATIONS BRANCH
MAJOR EQUIPMENT BRANCH
FIN & ACCT DIV
LTC W J Nelson, USA
FCCT4 264-9229
ACCT BR EXAM BR
DISBURSING BR SYS ACCT
QUALITY ASSURANCE
MANPOWER & ORG DIV
LTC R C McCulloch, USA
FCCT5 264-8281
ORGANIZATION STUDIES
MANPOWER STUDIES
MGMT ENG STUDIES
PROGRAM ANALYSIS DIV
LtCol G F Weddell, USAF
FCCT6 264-3721
MANAGEMENT ANALYSIS DATA
PRESENTATION SERVICES
DATA AUTOMATION DIV
Col R M Mebane, USAF
FCCT7 264-5016
DATA SYS BR DATA PROGRAMMING BR
DATA PROCESSING BR
FC 0 6 7 0 0 8 4 8
102

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OFFICE OF THE ADJUTANT GENERAL
Major David C. Conners, Adjutant General

I. (U) ACTIVATION. As recorded in Semiannual Historical Report of the Office of the Adjutant General, dated 1 July to 31 December 1963.

II. (U) MISSION. As recorded in Semiannual Historical Report of the Office of the Adjutant General, dated 1 January to 30 June 1969.

III. (U) ORGANIZATION. The administration of affairs of the Adjutant General's Office is carried on through several divisions as shown on the following pages. See also Organizational Chart attached as Inclosure 1.

IV. (U) PERSONNEL. Adjutant General key personnel on duty during this reporting period include the following:

Lieutenant Colonel Chester L. Patton , AGC, assigned 24 July 1965, Adjutant General from 17 July 1967 to 16 February 1970 and from 26 March 1970 to 28 May 1970, retired 31 May 1970.

Major Paul L. Adams AGC, assigned 12 December 1966, Deputy Adjutant General from 17 July 1967 to 16 February 1970 and from 4 March 1970 to 12 May 1970, Adjutant General from 16 February 1970 to 4 March 1970, reassigned 12 May 1970.

Lieutenant Colonel Alfred A. Alvarez AGC, assigned 4 March 1970, Adjutant General 4 March 1970 to 26 March 1970, reassigned to Logistics Directorate 26 March 1970.

Major David C. Conners AGC, assigned 25 February 1969, Deputy Adjutant General from 16 February 1970 to 28 May 1970, Adjutant General since 28 May 1970.

Major Jerry R. Patterson , AGC, assigned 18 March 1970, Chief Publications Division from 18 March 1970 to 28 May 1970, Deputy Adjutant General since 28 May 1970.

Mrs. Margaret R. Simms, Civilian, GS-9, Management Technician (Records Scheduling and Disposition), assigned 30 October 1947, in present position since 15 July 1956.

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[redacted]

Mrs. Grace J. Dickie, Civilian, GS-7, Chief, Unclassified Mail and Records, assigned 2 December 1946, in present position since 21 March 1948

Miss Helen M. Scott, Civilian, GS-7, Chief, Classified Mail and Records Division, assigned 2 June 1954, in present position since 29 July 1956

Mr. Harold W. Olson, Civilian, GS-7, Assistant Chief, Publications Division, assigned 8 October 1967, in present position since 9 March 1969

Mr. Norman C. Finney, Civilian, GS-8, Chief, Administrative Services Division, assigned 12 September 1962, in present position since 6 June 1965

V. (U) ACTIVITIES. During the period covered by this report, this office engaged in the following activities:

A. Unclassified Mail and Records Division (FCAG1):

1. (U) Two classes in Military Correspondence were conducted for military and civilian personnel:

2-7 February 1970	15 hrs	18 students
30 March - 3 April 1970	15 hrs	15 students

2. (U) There were 13 postal inspections made, all of which were satisfactory.

B. Classified Mail and Records Division (FCAG2):

1. (U) The following Top Secret documents were placed in distribution during this reporting period:

FC/02700344, Nuclear Weapons Characteristics Report, Issue 48, 294 copies, 158 pages
FC/02700013, DASA Advanced Planning Document, 95 copies, 100 pages
FC/02700014, DASA Advanced Planning Document, Army Extract, 42 copies, 52 pages
FC/02700015, DASA Advanced Planning Document, Navy Extract, 29 copies, 62 pages

2. (U) The semiannual inventory of 1004 Top

[redacted]

[redacted]

[redacted]

Secret documents was completed with no discrepancies.

3. (U) The semiannual inventory of 65 AEC Top Secret Certified documents was completed with no discrepancies.

4. (U) A total of 1518 messages and documents were returned to FCAG2 for redocumentation and return to FCSM4.

5. (U) A total of 102 Top Secret and Secret documents consisting of an average of 563 pages were transferred from FCSM4 to FCAG2 to be held until they can be retired or downgraded.

C. Records Management Division (FCAG6):

1. (U) Two classes in records administration were conducted:

17-20 Mar	8 hrs	14 students
22-25 Jun	8 hrs	9 students

2. (U) A visit was made to Manzano Base 13 thru 17 April by records technicians of this Division for the purpose of conducting on-the-job training and assisting with records administration problems.

VI. (U) WORK LOAD FIGURES. Work load figures for this office are indicated by division as shown in Inclosure 2. During this reporting period, General Orders Numbers 1 through 10 were published (copies attached as Inclosure 3).

4 Incl
1. Organization Chart
2. Work Load Figures
3. General Orders 1-10
4. FCAG Strength Report

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18

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FCAG ORGANIZATIONAL CHART

OFFICE OF THE ADJUTANT GENERAL

	Auth	Asg
Officers	2	2
Army Enl	1	1
Civ	1	1

UNCLASSIFIED MAIL AND RECORDS

	Auth	Asg
AF Enl	1	1
Army Enl	2	1
Civ	8	7

CLASSIFIED MAIL AND RECORDS

	Auth	Asg
AF Enl	3	2
Civ	15	15

PUBLICATIONS

	Auth	Asg
Officers	1	0
AF Enl	3	3
Army Enl	5	5
Civ	10	10

ADMINISTRATIVE SERVICES

	Auth	Asg
AF Enl	3	3
Civ	4	4

RECORDS MANAGEMENT

	Auth	Asg
Civ	2	2

[redacted]

[redacted]

WORK LOAD FIGURES

	1 Jan thru 30 Jun 70	Monthly Average
1. Unclassified Mail & Records Division - Pieces Processed (Incoming & Outgoing	1,651,599	275,267
2. Classified Mail & Records Division - Pieces Processed (Incoming & Outgoing)	61,788	10,285
3. Publications Division Pieces Processed (Incoming & Outgoing)		
Tech Publications Branch	414,232	69,039
Forms & Regs Branch	288,671	48,112
4. Administrative Services Division		
Reproduction Branch Impressions	3,094,395	515,733
Orders Branch		
Travel Orders	764	127
Special Orders	49	8
General Orders	10	2

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18

[redacted]

GO 10 is the last of the series for 1969

DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

GENERAL ORDERS)
:
NUMBER 1) 28 January 1970

REASSIGNMENT OF FUNCTIONS AND RESPONSIBILITIES

1. Effective 2 February 1970, the Commander, Manzano Base, Albuquerque, New Mexico 87115, is relieved of all functions and responsibilities for base supply, chaplain services and support, and medical and dental support at Manzano Base, Albuquerque, New Mexico 87115.

2. Effective 2 February 1970, medical and dental support for Manzano Base will be a function and responsibility of Commanding Officer, Sandia Base Army Hospital.

3. Effective 2 February 1970, base supply functions for Manzano Base, and chaplain service and support for Field Command and Manzano Base will be the functions and responsibilies of Commanding Officer, Sandia Base.

4. Effective 2 February 1970, Field Command industrial safety functions and support will be a function and responsibility of Commanding Officer, Sandia Base, and nuclear safety functions and support will be a function and responsibility of the Chief of the Research and Development Liaison Directorate.

5. Effective 2 February 1970, personnel now associated with the above functions and responsibilities are transferred to the new organizations with the functions.

FOR THE COMMANDER:

Paul L. Adams

PAUL L. ADAMS
Major, AGC
Deputy Adjutant General

DISTRIBUTION
A, B, C, S

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DEFENSE ATOMIC SUPPORT AGENCY
Field Command Sandia Base
Albuquerque, New Mexico 87115

GENERAL ORDERS
NUMBER 2

9 February 1970

DELEGATION OF AUTHORITY (NAVY)

1. Pursuant to Article 15(a), Uniform Code of Military Justice; sections 0101a(4) and 0101f(5), Manual of The Judge Advocate General, Department of the Navy, and BuPers letter, Ser: F2/229, 28 January 1970, subject: Delegation of Article 15, UCMJ, Powers, REAR ADMIRAL WILLIAM H. LIVINGSTON, 157753, USN, Deputy Commander, Weapons and Training, Field Command, Defense Atomic Support Agency, is hereby delegated authority to exercise Article 15, UCMJ, powers in all matters pertaining to Navy and Marine Corps officers and enlisted men assigned to, attached to, or on duty with Field Command, Defense Atomic Support Agency. Captain George L. Block, 085001, USN, relieved.

Francis W. Nye

FRANCIS W. NYE
Major General, USAF
Commander

DISTRIBUTION:
A, B, C, S

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DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

GENERAL ORDERS)
:
NUMBER 3) 16 February 1970

STAFF ASSIGNMENT

1. MAJOR PAUL L. ADAMS , United States Army, is announced as Adjutant General, Field Command, Defense Atomic Support Agency.

FOR THE COMMANDER:

PAUL L. ADAMS
Major, AGC
Adjutant General

DISTRIBUTION
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DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

GENERAL ORDERS
NUMBER 4

4 March 1970

TC 212. Following DUTY ASSIGNMENT announced.

ALVAREZ, ALFRED A. LTC 2110 FCDASA Sandia Base, Albuquerque, NM 87115 AGC

Duty assigned: Adjutant General

FOR THE COMMANDER:

ALFRED A. ALVAREZ
LTC, AGC
Adjutant General

DISTRIBUTION:
A, B, C, S

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DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

GENERAL ORDERS
NUMBER 5

26 March 1970

STAFF ASSIGNMENT

LIEUTENANT COLONEL CHESTER L. PATTON , United States Army, is announced as Adjutant General, Field Command, Defense Atomic Support Agency.

FOR THE COMMANDER:

C. L. PATTON
Lieutenant Colonel, AGC
Adjutant General

DISTRIBUTION:
A, B, C, S

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DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

GENERAL ORDERS
NUMBER 6

1 April 1970

STAFF ASSIGNMENT

COLONEL ROBERT F. BELL United States Army, is announced as Commanding Officer, Sandia Base Army Hospital, and Commander, Medical Command, Field Command, Defense Atomic Support Agency.

FOR THE COMMANDER:

C. L. PATTON
Lieutenant Colonel, AGC
Adjutant General

DISTRIBUTION
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DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

GENERAL ORDERS
NUMBER 7

22 May 1970

STAFF ASSIGNMENT

MAJOR DAVID C. CONNERS United States Army, is announced as Adjutant General, Field Command, Defense Atomic Support Agency, effective 28 May 1970.

FOR THE COMMANDER:

C. L. PATTON
Lieutenant Colonel, AGC
Adjutant General

DISTRIBUTION:
A, B, C, S

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DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

GENERAL ORDERS
NUMBER 8

1 June 1970

TC 212. Following DUTY ASSIGNMENT announced.

YOUNG, LEROY A. : COLONEL USAF 8111 FCDASA
Sandia Base, Albuquerque, NM 87115

Duty assigned: Chief, Intelligence and Security Directorate
Effective date: 15 May 1970

FOR THE COMMANDER:

David C Conners

DAVID C. CONNERS
Major, AGC
Adjutant General

DISTRIBUTION:
A, B, C, S

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DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

GENERAL ORDERS
NUMBER 9

22 June 1970

TC 212. Following DUTY ASSIGNMENT announced.

HOMANN, GERALD W. COLONEL 02010 FCDASA Sandia Base, Albuquerque, NM 87115 CE

Duty assigned: Chief of Staff
Effective date: 24 June 1970

FOR THE COMMANDER:

JERRY R. PATTERSON
Major, AGC
Deputy Adjutant General

DISTRIBUTION:
A, B, C, S

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DEFENSE ATOMIC SUPPORT AGENCY
FIELD COMMAND SANDIA BASE
ALBUQUERQUE, NEW MEXICO 87115

GENERAL ORDERS
NUMBER 10

29 June 1970

TC 212. Following DUTY ASSIGNMENT announced.

GOWEN, GEORGE A. CAPTAIN USN 1100 FCDASA
Sandia Base, Albuquerque, NM 87115

Duty assigned: Chief, Personnel Directorate
Effective date: 1 July 1970

FOR THE COMMANDER:

JERRY R. PATTERSON
Major, AGC
Deputy Adjutant General

DISTRIBUTION:
A, B, C, S

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Authorized Strength

	Officers and Warrant Officers	Enlisted	Total
Army	3	8	11
Navy	0	0	0
Marines	0	0	0
Air Force	0	10	10
Total	3	18	21

Assigned Strength

	Officers and Warrant Officers	Enlisted	Total
Army	2	7	9
Navy	0	0	0
Marines	0	0	0
Air Force	0	9	9
Total	2	16	18

	Authorized Strength	Assigned Strength
Civilian Personnel	40	39

[redacted]

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INTELLIGENCE AND SECURITY DIRECTORATE AND STAFF PROVOST MARSHAL

Colonel LeRoy A. Young, USAF, Chief

I. (U) ACTIVATION: As recorded in semiannual historical report of the Field Command Intelligence and Security Directorate and Staff Provost Marshal dated 2 August 1967.

II. (U) MISSION: As recorded in semiannual historical report of the Field Command Intelligence and Security Directorate and Staff Provost Marshal dated 2 August 1967.

III. (U) ORGANIZATION: The Field Command Intelligence and Security Directorate (FCIS) consists of the Office of the Chief; the Administrative Office (FCISA); and three divisions: Personnel Security (FCIS1); Security Operations (FCIS2); and Information Control (FCIS3).

IV. (U) PERSONNEL:

A. Key personnel on duty in FCIS during the period covered by this report include the following, with their date of assignment to DASA:

Colonel LeRoy A. Young, USAF Chief, FCIS and Staff Provost Marshal since 15 May 70.	15 May 70
Mr. Edward T. Duffy, GS-13 Deputy Chief, FCIS since 27 Dec 60.	9 Sep 46
Mr. S. Stephen Castoria, GS-12 Chief, FCIS1 since 1 Apr 66.	5 May 48

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Mr. Edwin A. Luce, GS-11 — 9 Nov 57
Acting Chief, FCIS2 since 21 May 70.

Mr. William Green, GS-12 — 21 Apr 48
Chief, FCIS3 since 1 Apr 66.

SSG Kenneth P. West, USA — 10 Apr 70
Chief, FCISA since 10 Apr 70.

B. Losses of key personnel during the period covered:

Colonel Kent O. Buckingham, USAF — 17 Jun 66
Chief, FCIS from 17 Jun 66 until 14 May 70; departed PCS, Vietnam, 28 May 70.

MAJ Harold A. Grainger, USA, OF103508 — 3 Jul 67
Chief, FCIS2 from 3 Jul 67 until 19 May 70; departed PCS, Fort Leavenworth, Kansas, 20 May 70.

YNC Dean C. Ellis, USN, 368-95-27 — 24 Nov 67
Chief, FCISA from 24 Nov 67 to 30 Jan 70; departed PCS, Davisville, R.I., 10 Mar 70.

	Authorized Strength		
	Officers	Enlisted	Total
ARMY	2	1	3
NAVY	0	0	0
MARINE CORPS	1	0	1
AIR FORCE	1	1	2
TOTAL	4	2	6

[redacted]

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	Assigned Strength		
	Officers	Enlisted	Total
ARMY	1	1	2
NAVY	0	0	0
MARINE CORPS	1	0	1
AIR FORCE	1	1	2
TOTAL	3	2	5

	Authorized Strength	Assigned Strength
Civilian Personnel	19	18

V. (U) ACTIVITIES:

A. Office of the Chief, FCIS:

1. FCIS prepared FCDASA Instruction 5200.24 which was published on 10 March, implementing policies outlined in Army Regulations and DASA Instructions. This instruction (a) establishes procedures to be followed for the security of classified material, (b) issues security instructions for automatic data processing operations, and (c) applies to data automation facilities and to all other Field Command elements concerned with security of classified material generated by or directly associated with automatic data processing operations.

2. FCIS participates regularly in meetings of the Greater Albuquerque Police and Safety Association. This organization is concerned with crime and delinquency and drug control and abuse. Personnel from FCIS have participated several times during the past year in seminars conducted by various organizations on drug control and abuse. Colonel Buckingham also arranged for Sergeant Ulibarri of the New Mexico State Police to give a presentation on drug abuse to directorate chiefs and Command Section personnel attending the 20 March Field Command staff meeting.

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3. FCIS reviewed the manning requirements for the Military Police Security Posts for buildings 130, 200, 362, and 363. These posts were eliminated on 12 January, and the functions performed by the MP's were assumed by operational personnel in the buildings. This action eliminated one 24-hour guard post and three 16-hour guard posts, for a total manpower savings of 12 Military Police personnel and a monetary saving of $55, 164.

4. On 13 January 1969, SBCO, FCIG, and FCIS forwarded to FCCT a manpower change request recommending that the 46th Military Police Detachment (CI) be returned to the Department of the Army, and its personnel assigned to other Field Command or Sandia Base activities. In a letter, 16 April 1969, CAPT Block, FCDCS formally requested that DASA take necessary action to effect the JTD change. On 17 April 1970, the Chief, Intelligence and Security Directorate, DASA requested the Department of the Army to inactivate the 46th MP Det (CI) and recommended three MP officers be added to the FCDASA IG JTD and two criminal investigators and a clerk-typist be authorized on the JTD of the Sandia Base Provost Marshal. On 1 June, Headquarters, DA approved the recommendations with the stipulation that personnel made surplus by this action be reassigned locally to an authorized vacancy or reported to DA for reassignment instructions. General orders will be issued to accomplish the unit inactivation. Manpower savings: One officer and one enlisted.

5. On 29 June, Colonel Young and the Division Chiefs, FCIS presented to Colonel Homann, incoming Chief of Staff, a 90-minute briefing and orientation on the mission and organization of FCIS.

B. Personnel Security Division (FCIS1):

1. As cost reduction monitor for FCIS, Mr. Castoria forwarded to FCPS6 three suggestions:

a. Redesignation of positions within

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Field Command to change them from Sensitive Critical to Sensitive non-Critical, thus lowering clearance requirements from Top Secret to Secret. This action would eliminate the need for background investigations and bring-up investigations. Estimated savings for 1970, 1971, and 1972 would be approximately $110,280.

b. Elimination of issue of Manzano Base Administrative Badges to personnel other than those assigned to Manzano Base who require access to the "Q"-Area. Estimated savings: approximately $1,320.

c. Reduction of manning requirements for Military Police Security Posts at buildings 130 and 200. Estimated savings: $39,950.

2. Mr. Fulk, Personnel Security Specialist, attended the Officer's Briefing Course at the Nuclear Training Directorate, 1-3 April.

3. Liaison visits with investigative agencies in the Albuquerque area: 108

4. Liaison visits with investigative agencies outside the Albuquerque area: 2

a. On 7 May, Mr. Castoria visited the Naval Investigative Service, Alexandria, Va.

b. On 8 May, Mr. Castoria visited the U.S. Army Personnel Security Group, USAINTC, Fort Holabird, Md.

5. Telephone contacts:

a. To investigative agencies in the Albuquerque area: 150

b. To investigative agencies in the Washington, D.C. area: 119

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6. Summary of personnel security actions:

Clearances and/or access granted: 801
Access terminations and denials: 20
Badge requests processed: 1,216

C. Security Operations Division (FCIS2):

1. During this reporting period, Field Command had two boards of investigation (involving possible compromise of classified documents) and three administrative violations (informal investigations).

2. CPT James B. Doyle, Jr., Physical Security Officer for FCIS2, attended the Physical Security School at Fort Gordon, Ga.

3. During February, two classified material destruction machines were purchased from the W. W. Grinder Corporation. Sandia Base Engineers have proposed a new building to house both machines. One machine is now in operation at a temporary site.

4. The 901st MI Detachment inspections reported to this division included 15 technical inspections, nine security inspections, and 26 after-duty-hours inspections.

D. Information Control Division (FCIS3):

1. The formation of an Atomic Museum classification committee was approved by FCCS on 3 June. The committee is chaired by Mr. Green, Chief, FCIS3, with representatives from FCSM, FCTG, FCDV, and FCPI serving on the committee, and Mrs. Betty Boutwell, FCIS3 serving as recorder. The functions of the committee are to research and advise on the classification of exhibits, individually and cumulatively, and to serve in an advisory capacity to the curator of the museum on classification matters. As of 30 June, two tours were made through the museum to assure that the displays are unclassified.

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Including reviews made before and after the formation of the committee, a total of 15 classification reviews were made of weapons and material for the museum.

2. Mr. Green participated in three Nuclear Weapon Design Information (NWDI) training course seminars at the Nuclear Training Directorate (FCTG) in February, March, and May. He also gave a briefing in April to the Army Weapons Division, FCTG, on Critical Nuclear Weapon Design Information (CNWDI).

3. Mr. Winstead, Security Specialist, attended the following courses of instruction at FCTG:

a. 1-3 April, Officer's Briefing Course.

b. 24-25 May, NWDI Course.

4. Due to the letting of a civilian contract for janitorial services for Sandia Base and its tenants, the function of janitorial clearances was transferred from FCIS1 to FCIS3 in January. The contractor was cleared through the Defense Contract Administration Services Region and individual clearances are processed through the Defense Industrial Security Clearance Office.

5. Summary of actions completed during the period 1 January - 30 June:

a. Visitor control access requests:

Incoming	3957
Outgoing	1987
Badges approved	838
Project officer briefings	13
Total	6795

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b. Classification determinations:

Classification actions	250
CNWDI determinations	36
Reading files reviewed	453
Total	739

c. Special access:

Processed for CNWDI access	1297
CNWDI special briefings	1
Single Integrated Operational Plan-Extremely Sensitive Information actions (SIOP-ESI)	3
Total	1301

d. Duty and travel restrictions:

Processed to committee	7
Processed to HQDASA	7
Restrictions imposed	4
Total actions	18

e. Mail channel certifications (verification of facility clearances) 218

f. Processing NWDI Course 139

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PERSONNEL DIRECTORATE

Captain William B. Oliver, USN, Chief

I. (U) ACTIVATION. As recorded in Semiannual Historical Report of Personnel Directorate for the period 1 January to 30 June 1967. This report covers the period 1 January through 30 June 1970.

II. (U) MISSION. As recorded in Semiannual Historical Report of Personnel Directorate for the period 1 January to 30 June 1967.

III. (U) ORGANIZATION. As recorded in Semiannual Historical Report of Personnel Directorate for the period 1 January to 30 June 1967.

IV. (U) PERSONNEL. Key personnel on duty in the area of the Chief, Personnel Directorate, during the period covered by this report include officers and civilians named below, along with their dates of assignment to the Defense Atomic Support Agency.

Captain William B. Oliver Chief, Personnel Directorate since 1 Jul 66	27 Jun 66
Major James E. Roberts, Jr. USA, Administrative Officer , 14 Sep 68 to 12 Jun 70	8 Aug 68
Lieutenant Colonel Francis T. Lukes, USA, Chief, Joint Personnel Plans and Requirements Office, 22 Mar 65 to 5 Feb 70	22 Mar 65
Lieutenant Colonel Richard H. Helmick, USAF, Chief, Joint Personnel Plans and Requirements Office since 19 Sep 69	19 Sep 69

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Lieutenant Colonel Marvin G. Ross, USA, Chief, Army Personnel Division since 1 Jul 68	1 Jul 68
Commander Vance L. Harris Chief, Navy Personnel Division, 26 Jun 69 to 30 Jun 70	9 Jun 69
Lieutenant Colonel George M. Karl, Jr., USAF, Chief, Air Force Personnel Division since 23 Jun 69	9 Jul 68
Mr. Robert C. Johnson, Civilian , GS-14, Chief, Civilian Personnel Division since 3 May 59	26 Oct 50
Lieutenant Colonel Frederick J. Kienle, USAF, Chief, Personnel Services Division, 26 Jul 65 to 31 Mar 70	15 Jul 65
Major Peter Vives, Jr. USAF, Chief, Personnel Services Division, since 1 Apr 70	19 Feb 70

V. (U) ACTIVITIES. During the period of this report, 1 January through 30 June 1970, the Personnel Directorate carried out its assigned mission.

VI. (U) STRENGTH REPORT AS OF 31 JUNE 1970

Authorized Strength

	Officers and Warrant Officers	Enlisted	Civilians	Total
Army	5	25		30
Navy	5	8		13
Air Force	5	28		33
Marines		1		1
Civilians			37	37
	15	62	37	114

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Assigned Strength

	Officers and Warrant Officers	Enlisted	Civilians	Total
Army	4	28		32
Navy	4	7		11
Air Force	6	29		35
Marines		1		1
Civilians			36	36
	14	65	36	115

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JOINT PERSONNEL PLANS AND REQUIREMENTS OFFICE

Lieutenant Colonel Richard H. Helmick, USAF, Chief

I. (U) ACTIVATION. As recorded by Semiannual Historical Report of FCPS for the period 1 January to 30 June 1965.

II. (U) MISSION. The Chief, Joint Personnel Plans and Requirements Office (FCPS1), advises the Chief, Personnel Directorate on matters relating to personnel involving more than one service, and conducts staff studies, statistical analyses and research incident to the formulation and development of personnel policies, procedures, and directives. Prepares operations plans, support agreements, current and projected personnel requirements, JTD changes and represents the Chief, Personnel Directorate on joint committees within Headquarters, Field Command as directed.

III. (U) ORGANIZATION.

A. The Chief, Joint Personnel Plans and Requirements Office operates under the Chief, Personnel Directorate. He acts as Assistant to the Chief, Personnel Directorate and as Chief during any absence of the Chief, Personnel Directorate.

B. Present authorization of the office is as follows:

1. Chief: Lieutenant Colonel, USAF, AFSC 7316

2. Personnel Staff Officer: Major, USA, MOS 2260

3. Clerk-Stenographer: Civilian, GS-4

IV. (U) PERSONNEL. Key personnel on duty during the period covered by this report include the names below, along with their date of assignment to FCDASA.

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Lieutenant Colonel Richard H. Helmick — 19 September 1969

Chief, Joint Personnel Plans and Requirements Office since 19 September 1969.

Lieutenant Colonel Francis T. Lukes — 22 March 1965

Chief, Joint Personnel Plans and Requirements Office, since 22 March 1965 to 5 February 1970.

Lieutenant Colonel William MacPhail, Jr. — 13 August 1969

Personnel Staff Officer, Joint Personnel Plans and Requirements Office, since 13 August 1969.

Major Matt N. Jenkins — 4 June 1968

Personnel Staff Officer, since 10 June 1968 to 18 February 1970.

Mrs. Dorothy O. Godley, GS-4 — 22 August 1966

Clerk-Stenographer, since 22 August 1966.

V. (U) ACTIVITIES. During the period covered by this report the Joint Personnel Plans and Requirements Office has accomplished the following:

Projects:

1. (U) Pre-Retirement Briefing: Two quarterly pre-retirement briefings for military personnel were conducted 7 January and 7 April 1970. Representatives from the Field Command Staff Judge Advocate, Field Command Civilian Personnel Division, Sandia Base Federal Credit Union, Base Education Office, American Red Cross, Social Security Administration and New Mexico State Employment Service presented briefings and answered questions relative to their activities.

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2. (U) Pre-Separation Briefing: Two quarterly pre-separation briefings for military personnel separating from the Service were conducted 27 January 1970 and 21 April 1970. Representatives from the Veteran's Administration and New Mexico State Employment Service participated in the briefings and answered questions.

3. (U) Human Reliability Program:

a. FCDASA Instruction 1000.12A, Reliability of Personnel Assigned to Duties Involving Nuclear Weapons and Nuclear Weapon Systems (The Human Reliability Program), requires a semi-annual review of personnel under the Human Reliability Program be conducted during May and November. Accordingly, DF's were submitted to Chiefs, Field Command Staff Activities and Units and a letter to CO Sandia Base requesting current lists of personnel under the program. Lists were broken down by Service and submitted to FCPS military divisions and FCPS5. They were requested to insure that a DASA Form 317-R is in the personnel file of each individual listed. They were further requested to provide FCPS1 with a roster of persons listed for whom no DASA 317-R is on file and a roster of persons who have a DASA Form 317-R on file and who were not on the list. In keeping with the review, FCTG, FCSM, FCNM, FCCT, SBSO, AMCFO, FCIG and HSS were forwarded the Human Reliability Certificates for the individuals of their activity who are no longer under the program.

b. FCCOM was forwarded statistics on personnel by Service, barred or removed from the courses of instruction due to the Human Reliability Program and those removed for cause during calendar year 1969.

4. (U) Presentation of Good Conduct Awards: FCPS1 forwarded to the military divisions the format for providing the elements of Good Conduct Awards to staff sections and Directorate Chiefs for presentation. Disposition

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Forms forwarding element of awards for Navy and Marine Corps personnel will be signed by the Chief, Personnel Directorate. The Chiefs of the Army and Air Force Personnel Divisions will sign Disposition Forms for Army and Air Force personnel respectively.

5. (U) Transfer of Bossier Base: The transfer of Bossier to Barksdale Air Force Base was completed as scheduled. Monthly progress reports for Personnel Directorate were forwarded to FCLG.

6. (U) Off-Base Equal Opportunity Status Report: DASA Instruction 7720.1, Off-Base Equal Opportunity Status Report, requires an annual report on off base equal opportunity be submitted to DASA. Letters were submitted to SBCO and MBCO requesting review be conducted and report submitted to FCPS1. The Sandia-Manzano Base Complex Off-Base Equal Opportunity Status Report for calendar year 1969 was prepared and forwarded to FCCOM for signature and dispatched to Director, DASA.

7. (U) Recommendation for Awards for Departing Personnel: FCPS military divisions were requested to prepare a DF on each officer departing PCS, separation or retirement to all Directorates concerned, up to five months in advance of their departure, due to the heavy workload in the review and processing of Decorations and Awards anticipated for summer.

8. (U) Standards of Conduct: DASA Instruction 5500.1, and FCDASA Instruction 5500.1A, Standards of Conduct, require Base Commanders complete a DD Form 1555, Confidential Statement of Employment and Financial Interest. A letter was forwarded to Commander, Manzano Base, requesting DD Form 1555 be completed and forwarded to Chief, Personnel Directorate. Action was completed.

9. (U) Explosive Ordnance Disposal/Nuclear Emergency Team -- Manzano Base: FCSM forwarded a letter going to Manager, Albuquerque Operations Office, U.S. Atomic Energy Commission;

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Commander, Air Force Special Weapons Center, Kirtland Air Force Base; and Commander, Manzano Base, subject: Explosive Ordnance Disposal/Nuclear Emergency Team - Manzano Base for review and comments. Letter relieved Manzano Base of the requirement to maintain a Base Nuclear Emergency Team (NET) and established responsibility to EOD/NET support to Manzano Base. FCPS concurred in letter.

10. (U) Personnel Requirements: DF's were submitted to FCNM, FCSM9, FCTG and a letter to SBCO forwarding information to augmentees for the TP5-4/5-5 Parallel Reporting Operation from their Directorates. A complete list of all the augmentees was forwarded to FCSM4.

11. (U) Military Personnel User Manual: A review was made of the draft copy of the Military Personnel User Manual published by Computer Applications Incorporated (CAI) and comments and/or corrections were forwarded to FCCT7.

12. (U) Addendum to Civilian Supervisory Job Descriptions: FCPS5 and FCPS6 were forwarded copies of an addendum to civilian supervisory job descriptions for distribution to the affected employees. This information prescribed by Director, DASA, is now on all new or revised supervisory job descriptions after the last major duty, and is intended to serve as a continuing reminder to civilian supervisors and their military and/or civilian superiors of their responsibility in the Equal Employment Opportunity Program.

13. (U) Annual Family Housing Survey: FCPS military divisions were requested to submit personnel strength figures to include all personnel on board at Sandia and Manzano Bases, all tenant units, all personnel on TDY and students on Base with an as of date of 31 March 1970. Figures were consolidated and forwarded to SBCO, broken down by Officer, Eligible Enlisted, Other Enlisted and Civil Service Employees. SBCO was further furnished permanent party housing strength broken down by Officers, Eligible Enlisted and Other Enlisted.

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14. (U) Decennial Census: DA Circular 210-12, 23 January 1970, subject: 1970 Decennial Census of Population and Housing for Military Installations in the United States, required enumeration of all personnel residing in military controlled housing and barracks on 1 April 1970. LTC MacPhail was assigned as Project Officer for the conduct of the Decennial Census for Field Command, Sandia Base, JTF-8, and Test Command. Letters were forwarded to all units, Manzano Base, JTF-8, Test Command, Sandia Base and DF's to Chiefs of Staff Activities requesting addressees forward names of all military personnel scheduled to be absent from Sandia/Manzano Base on 1 April 1970, Census Day, so that they would be contacted by census enumeration clerks in advance of their departure. Headquarters and Headquarters Company, Military Police Company, 1090th Special Reporting Group, Naval Administrative Unit, WAC Detachment, 901st MI Detachment, and Commander, Manzano Base were further requested to appoint a census supervisor for each of the troop barracks and forward names to FCPS1. Paragraph 2, Section II, of the United States Department of Commerce Publication D-541A, Procedures for Self Enumeration of Military Installations, requested completed Form D-299, Reconciliation of Personnel to be enumerated on Military Installations, be forwarded to District Census Office prior to mailing of census forms. Form D-541A was completed and mailed to the District Census Office in Albuquerque. Enumeration forms were collected and hand carried to the Albuquerque District Census Office on 14 April 1970.

15. (U) Communications Discipline: In keeping with FCDASA Instruction 4600.3C, Communications Discipline, the semi-annual review of message traffic to insure the lowest precedence and classification was used and that only absolutely necessary traffic was transmitted, was completed. Autovon calls were also reviewed. A DF was submitted to FCCS assuring that review had been completed.

16. (U) Designation of Officer Evaluation Report Monitor: A DF was forwarded to Chiefs, Field Command Staff Activities requesting the designation, in writing, of a commissioned

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officer or GS-7 or higher civilian employee to act as an evaluation report monitor for each staff activity. This was in keeping with FCDASA Instruction 1611.1A, Officer Evaluation Reports (O-5 and Below). Names were consolidated and forwarded to appropriate FCPS military divisions.

17. (U) DASA Summer Consultant Program: Director, DASA, nominated Major Richard C. Sadler as a summer consultant with Sandia Corporation for the summer of 1970. LCDR James M. McCulloch, FCDV, was selected as liaison officer for the consultants.

18. (U) Computer Course Staff Study: FCTG conducted a staff study to determine the feasibility of, and requirement for establishing a training introduction into the principles of automatic data processing. An estimated number of students who desired to attend such a course was forwarded to FCTG. A computer technology course will be conducted at the Technical Vocational Institute, Albuquerque, New Mexico, 20 July - 7 August 1970. Quotas were forwarded to appropriate FCPS divisions.

19. (U) Manzano Base Support Requirements: Letter from Manzano Base forwarded principal requirements to support Manzano Base during normal and emergency situations. FCPS4 provides OPT and formal training support. FCPS concurred in FCPS4 continuing support.

20. (U) Personnel for FCCT7: FCCT7 requested FCPS furnish them with personnel for special duty. Personnel were furnished.

21. (U) Comments on Officer Performance: Letter from MajGen Nye to SBCO requested comments on performance of O-6 officerswho provide assistance to SBCO. Comments are being used for evaluation reports on officers. FCPS military divisions were advised to maintain close liaison with the Sandia Base OER monitor, Major Criswell, and provide him with suitable information 30 days prior to the close out of O-6 reports.

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22. (U) Metric System Study: FCPS divisions reviewed Metric System Study Plan and forwarded comments to FCPS1 for consolidation. Material pertaining to FCPS was forwarded to Major Herndon, FCCS.

23. (U) Hospital Support Agreement: FCPS divisions were requested to review the proposed Hospital Support Agreement, and forwarded comments/recommendations to FCPS1. Recommendations were consolidated and forwarded to FCCS.

24. (U) FCPS Roster: FCPS divisions were requested to forward a roster of all personnel currently assigned to their division to FCPS1. A roster of all military and civilian personnel currently assigned to the Personnel Directorate was made.

25. (U) Augmentee Personnel for FCSM: Field Command DASA OPLAN places a requirement on Personnel Directorate to obtain a number of personnel to augment the emergency operation branch of FCSM. FCPS military divisions were forwarded prerequisities on which to select augmentee personnel and requested to forward names to FCPS1.

26. (U) Records Administration Discrepancies: FCAG conducted an Administration and Records Inspection during the period 8-12 June 1970. Listings of the discrepancies noted during the inspection were forwarded to all divisions. It was requested corrective action be taken concerning the listed discrepancies and FCPS1 be informed of action taken.

27. (U) Authorities Delegated: FCCS requested a list of all approval or action authorities which have been delegated to Commander, Field Command, the Deputy Commander, Chief of Staff or a Staff Director. FCPS divisions were requested to forward their lists to FCPS1 for consolidation. Lists were consolidated and forwarded to FCCS.

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28. (U) Officer's Open Mess Membership: MajGen Nye requested a current listing of all assigned officers who are not members of the Officer's Open Mess. FCPS military divisions were requested to check with the Club and provide a complete list of non-members. Lists were consolidated and forwarded to FCCOM.

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ARMY PERSONNEL DIVISION

LTC M. G. Ross, USA, Chief

I. (U) ACTIVATION: As recorded in Semiannual Historical Report of Army Personnel Division, dated 1 July through 31 December 1967.

II. (U) MISSION: As recorded in Semiannual Historical Report of Army Personnel Division, dated 1 July through 31 December 1967.

III. (U) ORGANIZATION: As recorded in Semiannual Historical Report of Army Personnel Division, dated 1 July through 31 December 1967.

IV. (U) PERSONNEL: Key personnel on duty with this Division during the period covered by this report, to include dates of assignment to Field Command, DASA, are as follows:

Lieutenant Colonel Marvin G. Ross Chief, Army Personnel Division since 1 Jul 68	1 Jul 68
Major Roy J. Farmer, Chief, Officer Personnel Branch since 13 Nov 68	13 Nov 68
Captain Donal E. Meyniq, Chief, Enlisted Personnel Branch, 8 Nov 68 - 27 Mar 70	15 Oct 68
First Lieutenant Byron D. Bates, Chief, Enlisted Personnel Branch since 20 Apr 70	15 Sep 68
Sergeant Major Henry A. Gilbert, Personnel Sergeant Major since 7 Jun 69	30 Apr 69
Sergeant First Class John R. Bollman, Personnel Management Supervisor, Enlisted Branch since 6 Jul 68	6 Jul 68
Sergeant First Class Jack D. Modgling, Personnel Management Supervisor, Officer Branch since 13 Mar 70	8 Nov 69
Staff Sergeant Benjamin L. White, Personnel Management Supervisor, Officer Branch 13 Aug 69 - 13 Apr 70	4 Apr 69

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Staff Sergeant Max L. Lonsberry 29 Jul 69
Reenlistment Noncommissioned Officer since 6 Aug 69

V. ACTIVITIES: During the period covered by this report, this Division has accomplished its usual activities as indicated below:

A. (U) Execution of administration pertaining to assignments, transfers, promotions, reenlistments, retirements, discharges, classification, procurement of replacement personnel, leaves of absence, coordination and monitorship of personnel matters for subordinate Army units within this joint service activity, including visits and/or inspections at Army sites.

B. (U) The following units were administered and personnel records serviced by this Division during the period indicated:

1. Headquarters and Headquarters Company, U. S. Army Element, Field Command, DASA, (5805), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

2. Headquarters and Headquarters Company, U. S. Army Element, (Student), Field Command, DASA, (5805), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

3. Military Police Company, U. S. Army Element, Field Command, DASA, (5805), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

4. Women's Army Corps Detachment, Sandia Base Army Hospital, U. S. Army Element, Field Command, DASA, (5805), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

5. Medical Company, Sandia Base Army Hospital, U. S. Army Element, Field Command, DASA, (5805), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

6. U. S. Army Element, Test Command, DASA, (W139), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

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7. 46th Military Police Detachment (CI), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

8. U. S. Army Materiel Command Field Office (M1-1056-00), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

9. U. S. Army Element, Joint Task Force-Eight (SD-5807), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

C. (U) The following unit's personnel actions were monitored by this Division during the period indicated:

901st Intelligence Corps Detachment, Defense Atomic Support Agency (5806), Sandia Base, Albuquerque, New Mexico
1 Jan 70 - 30 Jun 70

D. (U) The following is a list of Second Lieutenants promoted to grade of First Lieutenant in the AUS based on authority granted by AR 624-100, as pertains to U. S. Army Element, Field Command, DASA (5805), during the period covered by this report:

NAME	BRANCH	DATE OF RANK
Straney, Timothy B.	AG	14 Feb 70
Wyman, Richard H.	MS	26 Feb 70
Garner, Detlev L.	SC	6 Mar 70
Hubert, Donald W.	AG	3 Apr 70
Taylor, Rex E.	SC	21 May 70
Hollier, Joseph P.	OD	26 May 70
Hester, James R. Jr.	OD	9 Jun 70
Titus, Jonathan A.	CM	9 Jun 70
Baker, Robert W.	OD	11 Jun 70

E. (U) The following is a list of First Lieutenants promoted to grade of Captain in the AUS based on authority granted by AR 624-100, as pertains to U. S. Army Element, Field Command, DASA (5805), during the period covered by this report:

NAME	BRANCH	DATE OF RANK
Smith, William S.	MS	8 Jan 70
Mount-Campbell, Clark A.	OD	20 Feb 70

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Courtney, Robert H. III	OD	24 Feb 70
Moore, Joseph E.	MS	1 Mar 70
Bastian, Ernest J. Jr.	OD	18 Mar 70
Borst, Dennis J.	OD	17 May 70
Graves, William E.	OD	17 May 70
Hill, Timothy J.	OD	17 May 70
Pelletier, Richard A.	OD	17 May 70
Hoyal, James G. Jr.	OD	14 Jun 70
Arnold, Lloyd B.	AR	20 Jun 70
Gowen, Daniel J.	OD	28 Jun 70

F. (U) The following is a list of Army warrant officers promoted to grade of Chief Warrant Officer W-2 in the AUS based on authority granted by AR 624-100, as pertains to U. S. Army Element, Field Command, DASA (5805), during the period covered by this report:

NAME	BRANCH	DATE OF RANK
Hamby, James E.	MP	28 Feb 70

G. (U) The following is a list of Army officers appointed in the Regular Army under the provisions of AR 601-100, as pertains to U. S. Army Element, Field Command, DASA (5805), during the period covered by this report:

NAME	GRADE	BRANCH	DATE OF RANK
Fox, Lonald J.	MAJ	DE	15 Jan 70
Zombek, Chester S.	CW3	OD	7 May 70

H. (U) The following is a list of Army officer gains and losses as pertains to U. S. Army Element, Field Command, DASA (5805), Test Command, DASA, JTF8, during the period covered by this report:

GRADE	GAINS	LOSSES
General Officer	0	1
Colonel	3	6
Lieutenant Colonel	6	17
Major	16	16
Captain	16	18
1LT	6	5
2LT	4	1
Warrant Officer	4	6
TOTAL:	55	80

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I. (U) The following is a list of officers and warrant officers retired from the U. S. Army as pertains to U. S. Army Element, Field Command, DASA (5805), Test Command, DASA, and JTF8, during the period covered by this report:

LTC Victor W. Gorlinsky
LTC David S. Grossett Jr.
CW2 Walton M. Youngblood
LTC Francis T. Lukes
LTC Louis G. Gibney Jr.
LTC Royce D. Wideman
LTC Morley W. Larsen
COL David H. Naimark
LTC Joseph A. Shirley
LTC Raymond K. Morrow
LTC Chester L. Patton
Chaplain (LTC) William J. Cooper
LTC Leonard J. Blissenbach
COL Leonard D. Simpson

J. (U) Official Trips: The following officer of this Division made an official visit to another installation during the period indicated:

LIEUTENANT COLONEL MARVIN G. ROSS

TDY to Headquarters, Defense Atomic Support Agency, Washington, D.C. 6 - 8 April 1970, a liaison visit pertaining to personnel matters.

K. (U) Official Visitors: A four member Personnel Management Team from Department of the Army, Dallas, Texas, under the direction of LTC John G. Jimison, made an official visit during the period indicated:

16 - 20 March 1970, for the purpose of providing DA assistance in the personnel management areas of this Division.

L. (U) Enlisted Evaluation System:

1. During the period covered by this report, the Test Control Officer for this Command (TCO 234) administered MOS proficiency tests to enlisted personnel as follows:

MONTH	TEST PERIOD	TOTAL
February 1970	1st Quarter	122
May 1970	2nd Quarter	138
	TOTAL:	260

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2. Field Command, DASA, has a total of 75 enlisted personnel receiving proficiency pay as follows:

RATING	AMOUNT*	NUMBER
P-3	$100.00	2
P-2	75.00	53
P-1	50.00	5
SP**	30.00	15
	TOTAL:	75

* per month
** Superior Performance

M. (U) Department of the Army Circular 601-27, dated 22 June 1968, announced the Warrant Officer Procurement Program with applications processed by this Division during the period covered by this report as follows:

1		Approved
5		Pending
---		Withdrawn
---		Disapproved
TOTAL:	6	Applications Processed

N. (U) During the period covered by this report, the following number of enlisted personnel of Field Command, DASA, Test Command, DASA, and JTF8, were appointed to grades indicated:

TO GRADE	E-9	E-8	E-7	E-6	E-5	E-4
1st Quarter	0	0	15	16	13	17
2nd Quarter	1	0	1	3	24	14
TOTAL:	1	0	16	19	37	31

O. (U) The following is a list of enlisted gains and losses for Field Command, DASA, Test Command, DASA, and JTF8, during the period covered by this report:

GAINS	LOSSES
277	368

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VI. (U) STRENGTH ACCOUNTING:

A. The strength accountability for this Division is as follows:

	OFFICERS AND WARRANT OFFICERS	ENLISTED	CIVILIAN	TOTAL
AUTHORIZED:	3	23	3	29
ASSIGNED*:	3	23	3	29

B. The strength accountability for Army officers, warrant officers, and enlisted personnel assigned to U. S. Army Element, AMCFO, and 46th MP CI, is as follows:

	OFFICERS AND WARRANT OFFICERS	ENLISTED PERSONNEL
AUTHORIZED:	220	714
ASSIGNED*:	219	692

*Actual strength as of 30 June 1970

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NAVY PERSONNEL DIVISION

Commander Vance L. Harris, USNR, Chief

I. (U) ACTIVATION. As recorded in Semiannual Historical Report of the Navy Personnel Division, dated 1 July to 31 December 1963.

II. (U) MISSION. As recorded in Semiannual Historical Report of the Navy Personnel Division, dated 1 July to 31 December 1963.

III. (U) ORGANIZATION. As recorded in Semiannual Historical Report of the Navy Personnel Division, dated 1 July to 31 December 1963.

IV. (U) PERSONNEL. Key personnel on duty in the Navy Personnel Division during the period covered by this report include the names given below, along with their date of assignment to DASA:

Commander Vance L. HARRIS, USNR, 530980 Chief, Navy Personnel Division, 26 June 1969 - 30 June 1970	9 June 1969
Lieutenant Genaro M. ROYBAL, USN, 660747 Chief, Officer's Branch, Navy Personnel Division, since 10 July 1969	10 July 1969
Lieutenant Albert V. SCHNOEBELEN, USN, 686044 Chief, Enlisted Branch, Navy Personnel Division, 25 November 1966 - 30 March 1970	25 November 1966
Lieutenant (junior grade) Dallas E. WILHELM, JR., USNR, 736623, Chief, Enlisted Branch, Navy Personnel Division, since 31 March 1970	16 February 1970
YNC Doyle L. WOODLIEF, USN, 451 58 53, Chief Clerk (Supervisor), since 15 December 1969	21 November 1969
YN1 Eugene C. DE VORE, USN, 517 88 26 Supervisor Officer Personnel Section, since 3 September 1969	3 September 1969
YN1 Charles C. KENNINGTON, USN, 994 76 28 Supervisor Enlisted Personnel Section, 1 July 1967 - 27 February 1970	14 February 1966

[redacted]

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PN1 Juan ESPARZA, USN, 767 49 31 — 24 February 1968
Supervisor Enlisted Personnel Section,
since 28 February 1970

Sgt Monte D. HARMON, USMC, 2251951 — 14 October 1968
Supervisor Marine Personnel Section,
since 12 November 1968

AUTHORIZED STRENGTH

	OFFICERS AND WARRANT OFFICERS	ENLISTED	TOTAL
Headquarters Field Command and Sandia Base			
Navy	123	91	214
Marine Corps	6	6	12
Total	129	97	226

ASSIGNED STRENGTH

	OFFICERS AND WARRANT OFFICERS	ENLISTED	TOTAL
Headquarters Field Command and Sandia Base			
Navy	105	91	196
Marine Corps	6	5	11
Total	111	96	207

V. (U) ACTIVITIES. During the period covered by this report, the Navy Personnel Division has continued to carry out normal staff functions of Commander, Field Command, DASA and the Chief, Personnel Directorate. A resume of personnel functions accomplished for personnel assigned to Field Command, DASA during the reporting period is as follows:

A. (U) Officer Personnel Branch

1. Promotions: 13

2. Receipts:

Ship's Company 24

Temporary Duty and Temporary Additional Duty 21

[redacted]

[redacted]

[redacted]

3. Transfers:	
Ship's Company	11
Temporary Duty and Temporary Additional Duty	11
4. Separations: (Discharge, Resignations, Release to Inactive Duty and Retirement)	17
B. (U) Enlisted Personnel Branch	
1. Promotions:	5
2. Receipts:	
Ship's Company	14
Temporary Duty and Temporary Additional Duty	148
3. Transfers:	
Ship's Company	11
Temporary Duty and Temporary Additional Duty	150
4. Separations: (Discharge, Release to Inactive Duty and Retirement)	11

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AIR FORCE PERSONNEL DIVISION (FCPS4)

Lieutenant Colonel George M Karl Jr, USAF, Chief

I. (U) ACTIVATION. As recorded in Semiannual Historical Report of the Air Force Personnel Division for period 1 July to 31 December 1964.

II. (U) MISSION. As recorded in Semiannual Historical Report of the Air Force Personnel Division for period 1 July to 31 December 1964.

III. (U) ORGANIZATION. As recorded in Semiannual Historical Report of the Air Force Personnel Division for period 1 July to 31 December 1964.

IV. (U) PERSONNEL. Key personnel on duty in this division during the period of this report included the following individuals with their date of assignment to Headquarters, Field Command, Defense Atomic Support Agency, as shown on right:

Lt Col George M Karl Jr Chief, Air Force Personnel Division from 23 Jun 69 to present	9 July 1968
Maj William A Potter Chief, Career Control Section, Air Force Personnel Division since 24 July 69	24 July 1969
Capt Dale V Mathis Chief, Quality Control Section, Air Force Personnel Division since 16 January 70	12 December 1967
2nd Lt Verdi C Schill Chief, Data Control Section, Air Force Personnel Division since 16 January 70	16 July 1968

[redacted]

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V. (U) ACTIVITIES. Following are facts and specific achievements accomplished by this division during the reporting period:

A. The authorized and assigned strength for this division as of 30 June 1970 was:

Authorized Strength

Officers	Airmen	Total
3	26	29

Assigned Strength

Officers	Airmen	Total
4	28	32

B. The personnel and organizations serviced by this division as of 30 June 1970 were as follows:

Organization	Authorized Off	Authorized Amn	Assigned Off	Assigned Amn	Total Assigned	Service Rendered
Hq Field Comd	94	196	98	190	288	Complete
Sandia Base	4	64	7	63	70	Complete
1094 Spt Sq	16	226	22	255	277	Complete
Test Comd	24	35	25	35	60	Complete
AFRRI	14	7	12	9	21	Partial
AF Sp Rprtg Div	55	34	49	29	78	Partial
JTF-8	22	33	11	7	18	Complete
TOTAL	229	595	224	588	812	

C. In January/February, the division was responsible for the reassignment of all personnel formerly assigned to the 1095 Spt Sq at Bossier Base La. This involved the reassignment of approximately 13 officers and 288 airmen.

D. Quality Control Section:

1. The following officer temporary promotions were accomplished to grades indicated:

0-6: 2. 0-5: 10. 0-4: 1. 0-3: 4[redacted]

[redacted]

[redacted]

[redacted]

2. A total of eighty airmen were promoted to the next higher grade as indicated below:

E-9: 1. E-8: 4. E-7: 6. E-6: 11. E-5: 10. E-4: 47. E-3: 0. E-2: 1.

3. The following administrative separations were completed:

Convenience of the Govt (AFM 39-10)	6
Unsuitability (AFM 39-12)	2
Retirements (AFM 35-7	11
Physical Disability (AFM 35-4)	0
Resignations	2

E. Processing Section:

1. The Processing Section was formed from the section formerly known as the Data Control Branch.

2. A total of 812 Unit Personnel Records were maintained as of 30 Jun 70. Approximately 340 Unit Personnel Records were transferred to other CBPOs due to the reassignment of Bossier Base on 31 Jan 70 and changes in other activities.

3. All military allotments were being processed thru the B3500 Computor at Kirtland AFB due to implementation of the Phase II Base Level Military Personnel System (BLMPS).

F. Personal Affairs Section:

1. With the implementation of BLMPS, the section assumed additional responsibility for preparing and processing applications for ID cards for active duty members and their dependents.

2. Although not required to do so by Air Force directives, the section continued to prepare and process ID card applications for retired members and their dependents.

3. A personal affairs counselor was provided as a speaker for the newly created "Marriage Clinic" conducted by the Base Chapel. This was augmented by personal counseling for any member and his wife.

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G. Transition Section:

1. Counseled 214 departing servicemen

2. Prepared 80 original resumes.

3. Forwarded approximately 500 resumes with accompanying typed letters and envelopes.

4. Typed and forwarded 150 appointment letters.

5. Obtained vocational training for 21 men.

H. Career Control Section.

1. 510 airmen and officers were processed for reassignment.

2. 236 inbound personnel were processed.

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CIVILIAN PERSONNEL DIVISION

Mr. R. C. Johnson, Chief

I. (U) ACTIVATION. As recorded in the Semiannual Historical Report of Civilian Personnel Division for the period 1 January through 30 June 1964.

II. (U) MISSION. As recorded in the Semiannual Historical Report of Civilian Personnel Division for the period 1 July through 31 December 1964.

III. (U) ORGANIZATION.

A. The Civilian Personnel Division operates under the Chief, Personnel Directorate.

B. Organization of the Civilian Personnel Division during the reporting period was as follows:

1. Office of the Chief, Civilian Personnel Division.

2. Development and Evaluation Branch.

3. Position and Pay Management Branch.

4. Employment and Assistance Branch.

IV. (U) PERSONNEL. Key personnel on duty in this division during the period covered by this report, along with the date of their assignment to DASA, are as follows:

Mr. R. C. Johnson, GS-14	26 October 1950
Chief, Civilian Personnel Division	
Date of current assignment	3 May 1959
Mr. Eugene K. Kristensen, GS-13	15 March 1948
Chief, Development and Evaluation Branch	
Date of current assignment	1 September 1963

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Mr. Alan A. MacGregor, GS-9 Suggestions and Awards Administrator Date of current assignment	1 March 1968 11 March 1968
Mr. Thomas T. Lindley, GS-13 Chief, Position and Pay Management Branch Date of current assignment	25 September 1966 29 January 1967
Mr. Robert G. Lampton, GS-13 Chief, Employment and Assistance Branch Date of current assignment	3 May 1959 24 September 1967
Mrs. Genevieve K. Kelly, GS-12 Chief, Recruitment and Placement Section Employment and Assistance Branch Date of current assignment	1 July 1967 1 July 1967
Miss Patricia K. Porter, GS-7 Chief, Personnel Services and Records Section Employment and Assistance Branch Date of current assignment	29 July 1959 25 December 1960

V. ACTIVITIES. During the period covered by this report, this Division accomplished the following:

A. (U) Office of the Chief. Mr. R. C. Johnson traveled to the following locations for the indicated purposes:

LOCATION	DATE	DAYS	PURPOSE
Denver, Colorado	3 Feb 70	4	Attend Civil Service Commission sponsored workshop on Negotiating and Implementing Union Agreements
Washington, D. C.	15 Mar 70	5	Coordinate personnel management needs with Mr. Brennan, HQ, DASA.
Denver, Colorado	28 Apr 70	4	Attend Civil Service Commission sponsored Labor-Management Seminar.
San Francisco, California	9 Jun 70	4	Attend DoD Priority Placement Program and Procedures Course.
Washington, D. C.	17 June 70	3	Liaison visit with Mr. Brennan, HQ, DASA.

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B. Development and Evaluation Branch.

1. (U) Memorandum of Agreement between Commander, Field Command and the President, American Federation of Government Employees, Local 2346 was approved on 3 March 1970 by Director, DASA. Negotiations between representatives of Field Command Local 2346 started on 18 August 1969. The new agreement was distributed to all supervisors as an enclosure to FCDASA Instruction 1135.1A, 18 March 1970.

2. (U) Mr. E. K. Kristensen attended the Program Management Course, Gunter Air Force Base, Alabama, during the period 20 April - 1 May 1970.

3. (U) Progress continues to be made in the development and installation of an integrated system for maintaining personnel management and records data using new automatic data processing equipment.

4. (U) A total of 18,616 hours of training was received by 3,855 Field Command employees during the period.

5. (U) Mr. C. B. Spencer, Jr., Entomologist, Headquarters Fifth U. S. Army, conducted an Entomology Services and Chemical Vegetative Control Course on Sandia Base during the period 4-8 May 1970. Sandia Base personnel as well as representatives from six other agencies attended.

6. (U) Incentive Awards

a. (U) General.

(1) Effective 5 April 1970 the incentive awards functions and personnel were transferred from FCPS6 (Personnel Services Division) to this branch. This move facilitated processing of civilian awards and is in keeping with the organization practices set forth in CPR 200, 250.4.

(2) Effective 10 April 1970 the processing of Manzano Base suggestions was assumed by FCPS5. This action was the result of a management improvement suggestion (DASA Suggestion MB-99-70M) submitted by a Manzano Base airman.

b. (U) Suggestions.

(1) A total of 45 suggestions in process on 31 December 1969 were carried forward into this reporting period. Of these 18 were not adopted, 4 were adopted, and 23 were still in process at the end of the reporting period. The four adopted suggestions were recognized by cash awards ranging from $50.00 to $570.00 and totalling $990.00.

(2) Sixty suggestions were received during the reporting period. Of these 19 were not adopted, 6 were adopted, and 35 were still in process

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at the end of the reporting period. The six adopted suggestions were recognized by one letter of commendation and five cash awards ranging from $25.00 to $50.00 and totalling $175.00.

(3) Together with 15 suggestions in process received from Manzano Base, there was a total of 73 suggestions in process carried forward into FY71.

c. (U) Honorary Awards.

(1) One nomination for the Decoration for Exceptional Civilian Service was reviewed, processed, and approved. One nomination, forwarded to DASA last reporting period, was returned approved. One nomination was reviewed and forwarded to DASA.

(2) The two nominations for the Meritorious Civilian Service Award, awaiting committee action as of 31 December 1969, were approved. Three additional nominations were received and approved.

(3) The nominee for Outstanding Handicapped Federal Employee of the Year, nomination forwarded to DASA last reporting period, was selected as one of the ten national finalists but did not win.

(4) The nomination for the Horace Hart Award, forwarded to DASA last reporting period, was not favorably considered.

d. (U) Outstanding Performance Ratings. During the period the Incentive Awards Committee recommended approval of 52 Outstanding Performance Ratings and disapproval of 18.

e. (U) Cash Performance Awards.

(1) Sixteen Quality Salary Increases were processed and approved, 5 were not favorably considered, 6 were in process at the close of the period.

(2) Twenty-one cash awards for special achievement were processed and approved, 10 were not favorably considered.

(3) Five minor cash awards for special acts or services were approved. The awards ranged from $25.00 to $75.00 and totaled $205.00.

f. (U) Certificates of Achievement. Five certificates of achievement were prepared and approved.

g. (U) Length of Service Certificates. Ninety-seven length of service awards were prepared for presentation.

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h. (U) Certificates of Recognition. One hundred one various citations and certificates of recognition were prepared.

C. Position and Pay Management Branch

1. (U) Status of annual surveys required by the Supplemental Appropriations Act of 1952:

a. (U) Total positions to be reviewed during Fiscal Year 1970: 1,480.

b. (U) Positions reviewed during this reporting period : 728.

c. (U) Positions remaining to be surveyed: 0.

d. (U) Positions reviewed by individual actions (SF-52) during this reporting period: 49.

e. (U) Job descriptions written or rewritten during this reporting period: 172 (includes 104 nonappropriated fund).

2. (U) Changes in position structure:

a. (U) Upgrades resulting from planned management action: 8.

b. (U) Upgrades resulting from gradual increase in duties (job enlargement): 7.

c. (U) Upgrades resulting from promotion of trainees: 3.

d. (U) Upgrades resulting from application of new standards: 1.

e. (U) Total upgrades: 19.

f. (U) Downgrades resulting from planned management action: 10.

g. (U) Downgrades resulting from gradual decrease in duties (job erosion): 0.

h. (U) Downgrades resulting from establishment of trainee positions: 3.

i. (U) Downgrades resulting from application of new standards: 1.

j. (U) Total downgrades: 14.

k. (U) Changes in pay plan due to planned management action: 6.

[redacted]

1. (U) Changes in pay plan due to application of standards: 1.

3. (U) Wage Rate Information. A wage increase for all 451 Wage Grade employees at Sandia Base was authorized effective 28 June 1970. The average increase was 18.9 cents for nonsupervisory, 20.3 cents for leader, and 27.2 cents for supervisory wage grade employees.

4. (U) Position Classification Appeals. On 24 April 1970, Mr. Alfred R. Young, Equipment Specialist (Electronics), GS-1670-11, Test Command, appealed the classification of his position to Commander, Field Command. Mr. Young contended that his position should be graded GS-12. The appeal was adjudicated by Commander, Field Command, on 28 May 1970 and the original title, code, and grade were affirmed. Mr. Young was not satisfied with the decision and a further appeal was transmitted to Director, DASA, on 19 June 1970. No decision has been received from Director, DASA, to date.

5. (U) Advisory Classifications.

a. (U) The position of Equal Employment Opportunity Officer, GS-301-12, occupied by Mr. Salvador Del Valle, was forwarded to Director, DASA, for advisory opinion on 5 February 1970. Although local application of appropriate Civil Service Commission position classification standards indicated that grade GS-12 was proper, grade GS-13 was assigned by Director, DASA, without reference to position classification standards, on 17 February 1970.

b. (U) On 31 March 1970, the following positions were forwarded to Director, DASA, for advisory opinion, as a result of comparisons with certain comparable positions at Kirtland Air Force Base:

(1) Job No. 8523-S, Supervisory General Engineer, GS-0801-13, occupied by Mr. Paul L. Boutz.

(2) Job No. 8758-S, Supervisory General Engineer, GS-0801-12, occupied by Mr. Ervin E. Beaudry.

(3) Job No. 8761, Civil Engineer, GS-0810-11, occupied by Mr. Francis J. Verville.

(4) Job No. 8982-S, Supply and Services Manager, GS-0340-13, occupied by Mr. Allan E. Putnam.

(5) Job No. 8215-S, Procurement Officer, GS-1102-13, occupied by Mr. Raymond C. Nelson.

(6) Job No. 8879-S, Traffic Manager, GS-2130-13, occupied by Mr. Guy G. Henson.

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With the exception of the Traffic Manager position, which a current audit disclosed that it should be evaluated at grade GS-14, all of the above positions were considered by local Position Classification Specialists to be correctly evaluated. However, information was requested from Headquarters DASA as to whether the positions could be evaluated one grade higher in view of apparent disparity between grades at Sandia Base and Kirtland Air Force Base. Early in April 1970, Mr. G. F. Brennan, Chief, Civilian Personnel Directorate, Headquarters DASA, informed Major General Nye, Commander, Field Command, by undated letter, that all of the positions, other than the Traffic Manager position, appeared to be correctly graded. On 21 May 1970, Director, DASA approved grade GS-14 for the Traffic Manager position. On 11 June 1970, a letter was forwarded to Director, DASA, recommending that grade GS-14 be approved for the GS-13 Supervisory General Engineer position due to changes resulting from the recent reassignment of Manzano Base civil engineering activities to Sandia Base and the more recent delegation of increased approval authority to the position for Real Property Facility projects. Approval of grade GS-14 was received from Mr. G. F. Brennan, by telephone, on 23 June 1970.

6. (U) Other.

a. (U) During March 1970, all civilian supervisor's job descriptions were amended to include an equal employment opportunity supervisory responsibility. This was in compliance with instructions received from Headquarters, DASA, in April 1970. Appropriate distribution of the amendment was made to all concerned employees and their supervisors.

b. (U) During the fourth quarter, 294 NAF positions were established requiring that 104 job descriptions be written. This consumed approximately 325 classifier manhours, mostly during the fourth quarter.

c. (U) Non-supervisory classifiers spent a total of 661.50 manhours on "other Technical Activities" during the reporting period. This is significantly higher than the 370.00 manhours devoted to this non-survey work during the first half of FY-70. "Other Technical Activities" includes special projects, reports, meetings, RIF's, special studies, etc.

D. Employment and Assistance Branch

1. (U) Actions processed: 2,443 (623 SFs-50; 118 SFs-52; 132 survey actions processed in lieu of SFs-50; 1,570 DA Forms 2515).

2. (U) Reports: 37 (includes 9 for Test Command and 6 for AMCFO).

3. (U) Employment. When employees move from Test Command, or vice versa, through promotion, reassignment or demotion, they are counted as separations from the losing command and as accessions to the receiving command, as well as promotions, reassignments or changes to lower grades. The following accessions, separations, promotions, demotions, reassignments and other actions were processed:

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a. (U) Number of Accessions: Field Command - 33 (plus 70 Summer Aids); Test Command - 2.

b. (U) Number of Separations: Field Command - 173 (plus 1 Chaplain, and 1 Summer Aid); Test Command - 1.

c. (U) Number of Promotions: Field Command 57; Test Command 1.

d. (U) Number of Changes to Lower Grade: Field Command 29.

e. (U) Number of Reassignments: Field Command 107.

f. (U) Number of Other Actions: Field Command 149 (plus SFs-52 in lieu 118; surveys in lieu 132).

4. (U) Summer Aid Program. The Summer Aid Program was begun in June. A total of 70 youths have been hired including 7 for the hospital, however one resigned. Twenty of the youths were recruited through the Bureau of Indian Affairs and the balance from the New Mexico State Employment Office.

5. (U) Appeals. Four appeals were submitted to the U. S. Civil Service Commission, Denver Regional Office, because of reduction in force in the Field Command-Albuquerque complex. There were 11 requests for technical review. All were submitted because of nonselection on specific promotion actions. Three of the technical review decisions were forwarded to DASA for review by the Director. One grievance was initiated because of a decision by the Base Commander to reprimand.

6. (U) Bossier Base. Administrative and operational control of Bossier Base, Shreveport, Louisiana, was transferred from the Defense Atomic Support Agency to 2d Air Force Headquarters, Barksdale Air Force Base, Louisiana, on 1 February 1970. Ninety appropriated fund employees with transfer of function rights were transferred from Bossier Base to Barksdale Air Force Base effective 1 February 1970. One employee of Bossier Base retired optionally effective 31 January 1970, and one employee was carried on Field Command, DASA, rolls through 25 February 1970 under disability retirement. The excepted appointment of the civilian Chaplain was terminated on 31 January 1970.

E. (U) Statistical Summary. As of 30 June 1970, 27 civilian billets were authorized and 27 were filled in the Civilian Personnel Division. They were distributed as follows:

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	AUTHORIZED	ASSIGNED
Office of the Chief	2	3
Development and Evaluation Branch	5	4
Position and Pay Management Branch	5	5
Employment and Assistance Branch	15	15

a. (U) Employees lost during the period in the Division:

Barbara L. Crossland, Staffing Clerk (Typing), GS-4

b. (U) Employees gained during period in the Division:

Alan A. MacGregor, Suggestions and Awards Administrator, GS-9
Alice B. Forte, Suggestions and Awards Clerk (Typing), GS-5

Employees gained as a result of transfer of function from FCPS6 to FCPS5.

c. (U) Field Command strength on 31 December 1969 was 1,434 not including 1 Chaplain and 12 consultants. Field Command strength on 30 June 1970 was 1,296 not including 13 consultants.

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PERSONNEL SERVICES DIVISION

Major Peter Vives, Jr., USAF, Chief

I. (U) ACTIVATION: As recorded by Semi-Annual Historical Report of FCPS6 for the period 1 July - 31 December 1964.

II. (U) MISSION: As recorded by Semi-Annual Historical Report of FCPS6 for the period 1 July - 31 December 1964.

III. (U) ORGANIZATION: As recorded by Semi-Annual Historical Report of FCPS6 for the period 1 January - 30 June 1969.

IV. (U) PERSONNEL: Key personnel on duty in this Division during the period covered by this report include the names given below, along with their date of assignment to DASA:

Lieutenant Colonel Frederick J. Kienle, 573-18-7608 FR, USAF, Chief, Personnel Services Division, 26 July 1965 - 31 March 1970	15 July 1965
Major Peter Vives, Jr. USAF, Chief, Personnel Services Division, since 1 April 1970	19 February 1970
Lieutenant Junior Grade Kent L. Granat, 739435, USNR, Personnel Services Officer (Special Projects), since 16 October 1969	9 August 1968
Lieutenant Junior Grade Michael E. Petracek, 688613, USNR, Personnel Services Officer (Special Projects), since 19 March 1970	19 March 1970
Mr. J. D. White, GS-9 Education and Training Officer, since 14 July 1968	6 April 1965

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Mr. Alan A. Mac Gregor, GS-9 — 11 March 1968
Suggestions and Awards Administrator
11 March 1968 - 5 April 1970

Mrs. Alice B. Forte, GS-5 — 10 January 1964
General Clerical Assistant Typing
2 August 1964 - 5 April 1970

Mrs. Guadalupe M. Perea, GS-4 — 8 August 1966
Clerk Stenographer, since 5 May 1968

V. (U) ACTIVITIES: During the period covered by this report, the Division has accomplished the following:

A. (U) Temporary Duty:

1. Mr. J. D. White attended The Training Function, American Society for Training and Development Institute, Madison, Wisconsin, 27-31 January 1970.

2. Major Peter Vives, Jr., attended Fourth United States Army Special Services Officers' Workshop, Fort Sam Houston, Texas, 7-9 April 1970.

3. Major Peter Vives, Jr., made staff coordination visit to Headquarters, Defense Atomic Support Agency, Washington, D. C., 17-19 June 1970.

B. (U) Training: For the Second Half of Fiscal Year 1970, Field Command activities were allocated 80 school quotas for attendance at various Army and Air Force Service Schools.

C. (U) Awards, Decorations, and Administration:

1. Awards, Decorations, and Favorable Communications.

a. (U) The Field Command Decorations and Awards Board held 11 meetings and considered 70 recommendations for award of the Joint Service Commendation Medal. Detailed breakdown as follows:

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	SUBMITTED	APPROVED	PENDING APPROVAL
Field Command	49	10	25 (by DASA)
Sandia Base	6	-	5 (by DASA)
Manzano Base	6	-	2 (by DASA)
Bossier Base	9	1	8 (by DASA)

b. (U) Seventy-two Field Command Certificates of Achievement have been processed and presented.

c. (U) Two Defense Atomic Support Agency Certificates of Achievement recommendations have been processed and are pending at DASA.

d. (U) Eight recommendations for the Legion of Merit were submitted; one was downgraded and approved as a Meritorious Service Medal by the Department of the Navy; one is pending at Department of the Navy; and six are pending at DASA.

e. (U) Three recommendations for the Meritorious Service Medal were submitted; one was approved and two are pending at DASA.

2. Incentive Awards: The Incentive Awards Branch was transferred from the Personnel Services Division to the Civilian Personnel Division on 5 April 1970.

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SEMIANNUAL HISTORICAL REPORT
1 January 1970 - 30 June 1970

LOGISTICS DIRECTORATE

Colonel William C. Langley, USA, Chief

I. (U) ACTIVATION. As recorded in the Semiannual Historical Report of Logistics Group, Field Command, Defense Atomic Support Agency (FCDASA), 1 January 1965 through 30 June 1965.

II. (U) MISSION. As recorded in the Semiannual Historical Report of Logistics Directorate (FCLG), Field Command, DASA, 1 January 1967 through 30 June 1967.

III. (U) ORGANIZATION. As recorded in the Semiannual Historical Report of Logistics Directorate, Field Command, DASA, 1 January 1967 through 30 June 1967.

IV. (U) PERSONNEL. Key personnel on duty during the period and the date of their assignment to DASA include:

COL William C. Langley, 557263010, USA, GS, Chief, Logistics Directorate, since 29 July 1966 — 24 June 1966

Mrs. Louise E. Pierce, GS-7, Administrative Officer, since 7 June 1965 — 12 July 1962

Authorized Strength

	Officers and Warrant Officers	Enlisted	Total
Army	1	0	1
Navy	0	0	0
Marines	0	0	0
Air Force	0	0	0
Total	1	0	1

[redacted]

[redacted]

[redacted]

Assigned Strength

	Officers and Warrant Officers	Enlisted	Total
Army	1	0	1
Navy	0	0	0
Marines	0	0	0
Air Force	0	0	0
Total	1	0	1

	Authorized Strength	Assigned Strength
Civilian Personnel	4	6*

* Includes two Summer Aids

V. ACTIVITIES. During the period covered by this report, this activity has accomplished the following:

1. (U) COL W. C. Langley accompanied Commander, Field Command and members of his staff to Washington, D. C. for a liaison visit at Headquarters (HQ), DASA, 13-15 January 1970.

2. (U) COL W. C. Langley accompanied Commander, Field Command and members of his staff to Santa Fe, New Mexico, 22 January 1970, to attend the Governor's Prayer Breakfast.

3. (U) COL W. C. Langley accompanied Commander, Field Command and party to Bossier Base, Louisiana, 22-23 January 1970, for a staff visit.

4. (U) COL W. C. Langley was accompanied by members of this Directorate, Comptroller and Sandia Base to Fort Carson, Colorado, 6-7 April 1970, for orientation on automatic data processing (ADP) operations for Army commissaries.

5. (U) COL W. C. Langley visited China Lake, California, 8 June 1970, to assist in arrangements for disassembling and transporting a B-29 aircraft for the Sandia Base Atomic Museum.

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6. (U) By Special Orders (SO) Number 36, 14 May 1970, COL W. C. Langley was appointed an alternate member of the Military Decorations and Awards Board for HQ FCDASA.

7. (U) Mr. Earl L. Eagles, Chief, Logistics Directorate, HQ DASA, visited this directorate 8 May 1970, to discuss consolidation and the Facilities 5-Year Military Construction (MILCON Program).

8. (U) In ceremonies held in the office of the Chief, Logistics Directorate, COL W. C. Langley made the following presentations:

a. 23 March 1970 - Certificate to Mr. Robert A. Ewald, commemorating 15 years of federal service.

b. 24 April 1970 - Certificates in recognition of zero security violations in 1969 to the Engineering Division; Logistics Division; personnel of the Administrative Office; and Mrs. Louise E. Pierce, Document Custodian.

c. 15 May 1970 - Promotion of Mr. Guy G. Henson to grade GS-14.

d. 18 May 1970 - Certificate and emblem to Mr. Rex E. Sherwood in recognition of 30 years of federal service.

9. (U) During the period of this report, COL W. C. Langley initiated a concurrent review between Logistics Directorate and Sandia Base Engineer in developing joint projects, accomplishing engineering design and contracting for Real Property Facilities (RPF) special projects in the fiscal year 1970 (FY70) Operation and Maintenance (O&M) program.

10. (U) Representatives of HQ DASA, HQ USAF, HQ Air Force Systems Command, Air Force Special Weapons Center (AFSWC), Field Command, Sandia Base and Kirtland Air Force Base met on 13 April 1970 to establish procedures for preparing a consolidation implementation plan directed by the Deputy Assistant Secretary of Defense (Installations and Housing) memorandum, 5 March 1970, subject: Survey Report for Consolidation of Real Property Maintenance

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Activities (RPMA) at Defense Installations for the Albuquerque Area. DASA was designated as "lead service" and it was requested the plan be submitted by 1 July 1970.

11. (U) COL W. C. Langley was named Chairman of the Consolidated Planning Committee, represented by members of Field Command, AFSWC, KAFB and Sandia Base. The purpose of the committee was to develop a coordinated implementation plan for RPMA consolidation of Kirtland AFB and Sandia Base, to be forwarded to Director, DASA (DIRDASA) by 1 June 1970. Meetings of the Consolidation Planning Committee were held on 13, 14, 16, 20, 24 and 29 April; 1, 11, 13, 15 and 21 May 1970. During the course of this study the following actions took place:

a. Organization. A Steering Committee was established headed by Commander, Field Command and Commander, AFSWC to provide guidance to the Consolidation Planning Committee. Sub-committees for Logistics (including Engineering, Base Supply and Procurement Working Groups), Personnel and Budget and Program (including Budget, Manpower and ADP Working Groups) were tasked with conducting detailed studies and providing inputs.

b. Development of Plans. Four plans as follows were developed for consideration:

(1) Plan "A" proposed integration of all Kirtland AFB Civil Engineering and Housing activities into the Sandia Base Engineer organization. This plan was oriented and prepared to comply with Army and DASA directives. It stressed decentralized work management with more responsibility assigned to the working shops. Under this plan, Field Command would be the RPMA host and AFSWC would be the RPMA tenant.

(2) Plan "B" proposed the integration of Sandia Base Engineering activities into the Kirtland AFB Civil Engineering organization. This plan was oriented towards the Air Force concept of operation and called for totally centralized programming and work management. AFSWC would be the RPMA host and Field Command would be the RPMA tenant under this plan.

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(3) Plan "C" proposed use of interservice support agreements between the existing organizations in lieu of organizational consolidation.

(4) Plan "D" was a compromise plan developed to provide a single plan that would be acceptable to both Field Command and AFSWC in case consolidation of RPMA organizations is directed. It was designed to provide for the implementation of either Plan "A" or Plan "B" depending on whether Field Command or AFSWC is designated RPMA host.

c. Final Submission. On 22 May 1970 the Commander, Field Command and the Commander, AFSWC submitted copies of Plan "C" and Plan "D" to Director, DASA and Commander, Air Force Systems Command with recommendation to (1) expand usage of interservice support agreements for increased economy in real property maintenance, and (2) defer consolidation of real property maintenance organization pending decisions on other on-going studies related to consolidation of commissaries, automotive maintenance, communications, and the like.

d. Pending Action. Sandia Base and Kirtland AFB personnel are developing additional interservice support agreements for common support in accordance with Plan "C". No action to consolidate RPMA organizations is planned until specific guidance or directives are received from higher headquarters.

12. (U) A study concerning consolidation of administrative motor vehicle maintenance activities on Kirtland AFB and Sandia Base was directed by Director, DASA letter, LGCI, 28 May 1970, subject: Consolidation of Administrative Vehicle Maintenance Activities at Defense Installations in the Albuquerque Area. COL W. C. Langley was named Chairman of the Planning Committee and meetings were held 16, 17, 22 and 29 June 1970. Continuing study will be made to meet the requirement of submitting a plan to Director, DASA by 1 August 1970.

13. (U) On 7 January 1970, a representative of the DOD Audit Office inspected Property Book 111 to account for excess property items which had been obtained from inactivated DASA Bases.

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It was found that 111 requisitions had been placed, that all items ordered were authorized, and that hand receipts had been obtained for all property received which had been ordered for other FCDASA Staff Activities.

14. [redacted] On 4 February and 20 April 1970, comments regarding the report of DASA IG Inspection of Field Command, FY70, were furnished the Chief of Staff (FCCS).

15. [redacted] Nonoperational Hours Security Checks of Directorate Offices by representatives of the 901st Military Intelligence (MI) Detachment and the FCDASA Intelligence and Security Directorate (FCIS) were conducted on 5 January 1970 and 22 May 1970. Only minor discrepancies were reported.

16. [redacted] A counterintelligence inspection of FCLG was conducted on 11 and 12 May 1970 by representatives of the 901st MI Detachment. Areas checked were document, personnel, and physical security. Several discrepancies, principally the absence of downgrading instructions on CONFIDENTIAL documents, were discovered; all discrepancies have been corrected.

17. (U) Quotas for the training of FCLG personnel were requested for the following titled courses:

a. Three for Military Correspondence, three for Timekeeper Training, one for Defensive Driving, two for Records Administration, FY70; one for Job Instruction Training, one for Position and Pay Management, one for Conference Leadership, five for Key Punch Concepts Course, two for Principles of Human Relations, one for Military Correspondence, and one for Timekeeper Training, FY71; sponsored by FCDASA.

b. One for Middle Management Institute, two for Personnel Management Correspondence Course, one for Leadership and Supervisory Institute, one for Decision Logic Table Workshop, one for You Serve the Public, FY70; one for Advanced Secretarial Techniques, one for Secretarial Techniques, one for Basic Management

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Techniques, one for Administrative, Clerical, and Secretarial Employees, and one for Better Office Skills and Services, FY71; sponsored by the U.S. Civil Service Commission (USCSC).

c. One for Introduction to Computer Technology, FY70, sponsored by the DOD Computer Institute (DODCI).

d. One for ADP System Analysis and Design (JT), FY71, sponsored by the U.S. Army Management Engineering Training Agency (AMETA).

e. One for School for Engineering Entomology Services and Chemical Vegative Control Operations, FY70, sponsored by Headquarters Fifth U.S. Army.

18. (U) The following training courses were completed by FCLG personnel during the reporting period:

a. Records Administration, eight hours, by two; Code of Conduct and Communications Security, one hour, by two; Military Correspondence, 15 hours, by three; Discipline (supervisory), two hours, by eleven; Merit Placement and Promotion Plan (supervisory), two and one-half hours, by eight; Preparation of Form SF344, two hours, by one; Joint Nuclear Accident Coordinating Center Briefing, one and one-half hours, by four; Timekeeper Training, two and one-half hours, by three; Performance Evaluation (supervisory), two hours, by seven; Defensive Driving, eight hours, by one; Supervisory Orientation - Summer Aids, two hours, by one; Merit Placement and Promotion (non-supervisory), one hour, by seventeen; Command Employment Familiarization, two hours, by one; Equal Employment Opportunity (EEO) - American Indian (supervisory), one hour, by eight; EEO - Spanish American (supervisory), one hour, by seven; and Orientation of Summer Aids, two hours, by one; sponsored by FCDASA.

b. Personnel Management Correspondence Course, six months, by two; Decision Logic Table Workshop, 40 hours, at New Orleans, Louisiana, by one; Leadership and Supervisory Institute, 40 hours, at Albuquerque, New Mexico, by one; and Middle Management Institute, 40 hours, at Dallas, Texas, by one; sponsored by the USCSC.

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c. Introduction to Computer Technology, 80 hours, by one; and Intermediate Executive Orientation, 80 hours, by one, both at Washington, D.C., sponsored by DODCI.

d. Introduction to ADP Systems Analysis and Design 80 hours, by one; and Automatic Data Processing Appreciation, 40 hours, by one; both at Rock Island, Illinois, sponsored by AMETA.

e. Engineer Entomology Services and Chemical Vegative Control Operations, 40 hours, by one, at Sandia Base, sponsored by Fifth U.S. Army.

f. Fire Department Instructors Conference, at Kansas City, Missouri, by one, sponsored by Western Actuarial Bureau.

g. Twenty-first Plant Engineering and Maintenance Conference, at Chicago, Illinois, 38 hours, by one, sponsored by Clapp and Poliak, Inc.

h. Post Engineer Management, 120 hours, at Fort Belvoir, Virginia, by one, sponsored by U.S. Army.

i. Base Civil Engineer Staff Officer Course 70-A, at Wright-Patterson AFB, 80 hours, by one, sponsored by U.S. Air Force.

19. (U) The following actions affecting the FCLG Operating Budget were accomplished during the reporting period:

a. The Third-Quarter Review, FY70 Operations Budget; FY71 Operating Expense Budget; and FY72 Initial Budget Estimate were submitted to the FCDASA Comptroller (FCCT) on 11 March 1970. Following is a tabulation showing the requested amounts:

	FY70	FY71	FY72
Civilian Labor	$310,100	$327,200	$328,800
Military Labor	109,800	125,900	128,900
Temporary Duty (TDY) Travel	15,000	20,700	20,700
Utilities and Rents	700	800	8,100

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	FY70	FY71	FY72
Purchased Services	300	500	500
Supplies	2,700	3,400	3,400
Equipment	1,500	600	1,000
Totals	$440,100	$479,100	$491,400

b. (U) On 17 April 1970, the FY71 and FY72 budgets were revised downward to reflect the impact of the proposed 1 July 1970 Joint Table of Distribution (JTD). Following are the revised submissions:

	FY71	FY72
Civilian Labor	$277,000	$166,200
Military Labor	100,000	62,700
Temporary Duty (TDY) Travel	15,500	14,000
Utilities and Rents	8,100	8,100
Purchased Services	400	300
Supplies	2,200	1,800
Equipment	600	800
Totals	$403,800	$253,900

c. On 10 June 1970, a request was submitted to have $800 transferred from funding for TDY Travel to Civilian Labor for overtime pay of civilian employees, increasing FY70 Civilian Labor to $310,900 and decreasing TDY Travel funds to $14,200.

20. (U) Two calculators and an electric typewriter were procured during the reporting period; these items replaced over-age equipment. Additionally, the following relatively expensive general supply items were requisitioned: Two Vu-Boards and related accessories; a light meter; an electric date-time stamp; and engineering manuals. A request for authorization of a Xerox 813 copier was submitted on 17 June 1970, and approved on 29 June 1970. The Model 660 is much faster, produces better copy quality, and does not reduce the size of copies; a savings of over $500 a year in labor costs is projected.

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21. (U) Directorate Instructions were revised and published on the following subjects: Suspense Control; and Safeguarding and Control of Classified and FOUO Information and Material.

22. (U) FCLG Notices, designed to disseminate informaion to FCLG personnel on administrative matters, were issued on the following subjects: Visit Announcement Format; and Processing of Travel Payment Forms.

23. (U) Drafts of the following FCDASA Instructions were reviewed and FCLG comments or concurrence furnished the originating FCDASA Staff Activities: 5000.10, "Recurring Inspections, Audits, and Visits"; 7000.1, "Financial Resources Management"; and proposed Instructions titled, "Nuclear, Biological and Chemical Defense (NBC)," and "Environmental Pollution."

24. (U) All FCDASA Instructions for which FCLG is proponent were reviewed, and action was initiated to consolidate nine instructions into one.

25. (U) A draft of proposed Modification 3 to Memorandum of Understanding AT(29-2)-2395 between FCDASA and the Atomic Energy Commission (AEC) was reviewed and FCLG concurrence furnished the FCDASA Stockpile Management Directorate (FCSM) on 13 April 1970. On 13 May 1970, FCLG comments pertaining to a proposed agreement between FCDASA and the U.S. Army Hospital were submitted to FCCS.

26. (U) On 19 June 1970, FCLG concurrence to proposed Change 6 to Annex J (Contingency Dispersal) to FCDASA Operations Plan (Continuity of Operations) was furnished FCSM.

27. (U) On 6 May 1970, FCLG comments on the proposed Metric System were provided FCCS.

28. (U) A complete review was made of all documents containing authorities delegated to this Command within the functional responsibilities of FCLG. A list and copies of these were submitted to FCCS on 29 June 1970; a copy is inclosed (see Inclosure 1).

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29. (U) As required by FCDASA Instruction 5100.10, the annual review of letters assigning responsibility was accomplished; advice was furnished FCCS on 27 May 1970 that no revisions were required.

30. (U) As required by FCDASA 4600.3B, a review of messages was made to insure that the lowest precedences and lowest classifications were used and that only absolutely necessary traffic was transmitted by electrical means. The results of this review were reported to FCSM on 31 March 1970.

31. (U) A review was conducted of all forms sponsored by FCLG; the results of this review were reported to the Field Command Adjutant General (FCAG) on 12 March 1970.

32. (U) Another review, conducted semiannually in compliance with FCDASA Instruction 1000.12, determined that no FCLG personnel require coverage under the Human Reliability Program; this was reported to the Field Command Personnel Directorate (FCPS) on 8 May 1970.

33. (U) All emergency-essential civilian positions in FCLG were reviewed in compliance with FCDASA Instruction 1400.2C. It was reported to FCPS on 2 April 1970 that there is a continuing need to identify four positions as emergency-essential.

34. (U) A review was made and a report rendered to FCPS on 18 June 1970 that none of the military positions in FCLG require graduate level education.

35. (U) The annual position classification survey of all civilian positions of the Directorate was commenced 26 May 1970 and approved 25 June 1970. Minor changes, most of which added responsibilities pertaining to the Resources Management System (RMS), were made to fourteen positions. The survey also reflected the following: The promotion of Mr. Guy G. Henson from Traffic Manager, GS-13, to Traffic Manager, GS-14, effective 17 May 1970; the deletion of the position of Supply Management Assistant, GS-7,

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in the Stock Fund/Management Branch, Logistics Division (FCLG2); and the establishment of the position of Statistical Assistant, GS-7 (incumbent, Georgia A. Mantz), in the Operations Branch, Engineering Division (FCLG1).

36. (U) Access to Critical Nuclear Weapon Design Information was requested and approved for the incumbents of the positions of Chief, Logistics Division, and Supply Clerk, Administrative Office (FCLG-A), on 5 January 1970 and 7 March 1970, respectively.

37. (U) The listing of FCLG personnel authorized to receipt for and transmit Special Category and Limited Distribution messages was revised five times during the reporting period. The latest update was submitted to FCSM on 22 June 1970.

38. (U) A listing of five individuals authorized to serve as witnessing officials for FCLG to witness the destruction and inventory of classified documents was revised and submitted to FCAG through FCIS on 26 January 1970.

39. (U) Appointments of personnel authorized to transmit classified documents, publications, and sensitive and accountable forms were furnished FCAG and FCSM on 9 March 1970.

40. (U) Mr. Herbert Chinn, Supply Clerk (Typing), GS-5, was demoted through reduction-in-force action to the position of Shipping Clerk, GS-4, Sandia Base Transportation Office, effective 8 March 1970. Mr. Chinn was presented with a Letter of Commendation, signed by FCCS and indorsed by FCLG and FCLG-A.

41. (U) As a result of another reduction-in-force action, Mrs. Vivian D. Welch was assigned on 9 March 1970 to the position vacated by Mr. Chinn. Mrs. Welch was appointed Accountable Officer for Property Book Number 111, Custodian of Phase I Emergency Medical Treatment Unit, and Designated Agent - Transportation Specialist, and was delegated authority to collect and destroy classified waste, effective 9 March 1970.

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42. (U) Mrs. Louise E. Pierce, Administrative Officer, FCLG-A was designated Officer Evaluation Report Monitor for FCLG, effective 27 March 1970.

43. (U) On 12 March 1970, request was submitted to FCPS through FCCT for the appointment of three Summer Aids under the Youth Opportunity Campaign Program; two were authorized. One reported for duty on 8 June and one on 16 June 1970.

44. (U) Five hundred forty-four mail control records were written to establish suspense dates on incoming correspondence.

45. (U) All classified documents pertaining to the inactivation of Bossier Base were reviewed and action was taken on 5 May 1970 to regrade all which had not been regraded earlier.

46. (U) During the reporting period, civilian personnel of all FCLG elements worked 226½ hours of paid overtime and 24 hours of overtime compensated by equal time off; they used 1176 hours of sick leave. Of these totals, 80 hours of paid overtime was worked by personnel of FCLG and FCLG-A and 111 hours of sick leave were utilized.

47. (U) On 31 December 1969, the FCLG TOP SECRET and SECRET secondary document accounts consisted of 217 documents. During this period, 20 documents were received, 78 were destroyed, 34 were downgraded to CONFIDENTIAL or UNCLASSIFIED, and 4 were returned to the originator or transferred to another Staff Activity. A reduction of 96 documents was accomplished during the reporting period, with 121 documents remaining in the accounts as of 30 June 1970.

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LOGISTICS DIRECTORATE

FCLG 264-7236 JTD Para 241

LINE	AUTH	ASGD	SVC			PRD
01	06	COL	A	W C Langley	Chief	Jan 72
02	GS	GS5	C	J R Aucker	Secy (Steno)	

PERSONNEL AUTHORIZED/ASSIGNED

SERVICE	AUTHORIZED OFF	AUTHORIZED CIV	ASSIGNED OFF	ASSIGNED CIV
ARMY	3		4	
NAVY	0		0	
USAF	3		3	
CIVILIAN		26		*27

*Includes two Summer Aids

ADMINISTRATIVE OFFIC

FCLG-A 264-3918 264-5716 JTD

LINE	AUTH	ASGD	SVC		
01	GS	GS7	C	L E Pierce	Admin Off
02	GS	GS5	C	V D Welch	Sup Clk (Typ
03	GS	GS4	C	I M Meadows	Clerk-Steno
		YV	C	D M Archuleta	Summer Aid
		YV	C	E L Jaramillo	Summer Aid

ENGINEERING DIVISION

FCLG1 264-4681 JTD Para 247

LINE	AUTH	ASGD	SVC		
01	GS	GS14	C	F E Wilson	Supv Gen Engr
02	GS	GS5	C	E H Rowland	Secy (Steno)

LOGISTICS DIVISION

FCLG2 264-4580 264-8715 JTD Para 243

LINE	A TH	ASGD	SV			PRD
01	05	LTC	A	D L Johnson	Chief	Jan 72
		LTC	A	A A Alvarez	Log P&A Off	Mar 73
02	GS	GS4	C	S C Newell	Clerk-Steno	

OPERATIONS BRANCH

264-4695 JTD Para 248

LINE	AUTH	ASGD	SVC			PRD
01	05	Maj	AF	C D Wright	Chief	Jul71
02	04	Capt	AF	A F Thornton	Stf Civ Engr	Jul72
02	04	Maj	AF	C D McMullan	Stf Civ Engr	Mar73
03	GS	GS4	C	G J Martinez	Clerk-Steno	
04	GS	GS12	C	B G Ward, Jr	Mech Engr	
05	GS		C	Vacant	Ind Engr	
06	GS	GS12	C	T H Flora	Civ Engr (Gen)	
07	GS	GS-7	C	G A Mantz	Stat Asst	

SERVICES BRANCH

264-4688 264-4689 JTD Para 246

LINE	AUTH	ASGD	SVC		
01	GS	GS13	C	G G Henson	Traffic Mgr
02	GS	GS12 (GS14)	C	R E Sherwood	Equip Spec (Gen)

ENGINEERING & SERVICES BR

264-7895 JTD Para 249

LINE	AUTH	ASGD	SVC		
01	GS	GS13	C	J T Fallon, Jr	Supv Gen Engr
02	GS	GS12	C	R A Ewald	Gen Engr (Struct)
03	GS	GS12	C	W F Fry	Gen Engr (Arch)
04	GS	GS9	C	A D Kouri	Eng Tech (Draft)
05	GS	GS4	C	D K Demchuk	Clerk-Steno

SUPPLY BRANCH

264-5022 264-4589 JTD Para 244

LINE	AUTH	ASGD	SVC			PRD
01	04	MAJ	A	H D Sheffield	Sup Off	Jul 72
02	GS	GS7	C	O B Gonzales	Gen Sup Asst	
02	GS	GS7	C	N B Gardner	Gen Sup Asst	
02	GS	GS7	C	E H Kronberger	Gen Sup Asst	
03	GS	GS9	C	E Tallant	Gen Sup Spec	

STOCK FUND MGT BRANCH

264-2126 264-4219 JTD Para 245

LINE	AUTH	ASGD	SVC		
01	GS	GS11	C	D L Wilson	Sup Mgt Off
02	GS	GS9	C	E C Degadi	Sup Mgt Rep
03				DELETED	

22 June 1970

LOUISE E. PIERCE
Administrative Officer
Logistics Directorate

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FCLG TABULATION OF AUTHORITY

1. (U) Mission and Responsibilities, Commander, Field Command, Defense Atomic Support Agency, 25 March 1966; delegates to Commander, Field Command, DASA authority to exercise staff supervision over activities of FCDASA bases; provide logistical support in accordance with support agreements to tenant organizations located on Sandia Base; utilize procedures as prescribed by Army directives; formulate policies and develop directives regarding assigned areas of responsibility; and approve deviations as appropriate.

2. (U) Letter, LGCI, Headquarters, DASA, 14 December 1966, subject: Approval Authority and Limitations - O&M Funded General and Family Housing Real Property Facilities (RPF) Projects; delegates authority, with special limitations, to Commander, Field Command to approve letter-subject projects (including Service Contract Projects) in various amounts and to execute them from funds available to Commander, Field Command; also authorizes Commander, Field Command to determine what portion of this authority is to be redelegated to Installation Commander, excluding Service Contract Projects. Letter, LGCI, Headquarters, DASA, 27 March 1969, subject: Approval Authority and Limitations - O&M Funded General and Family Housing Real Property Facilities (RPF) Projects; amends the above referenced letter. FCDASA Instruction 4165.6 is the implementing document for the foregoing. Redelegation of authority to Installation Commander is amended by FCDASA Instruction 4165.6 Change Transmittal 2, 24 February 1970. The authorities and their redelegation are summarized in Table A.

3. (U) DASA (LGSS) Letter, 17 February 1970, subject: Limitation on Approval Authority, Commissary Surcharge; delegates authority to Commander, Field Command, to approve commissary surcharge projects up to $15,000. FCDASA (FCLG2) letter, 4 March 1970, subject: Limitation on Approval Authority, Commissary Surcharge; redelegates the $15,000 approval authority to Commanding Officer, Sandia Base.

4. (U) Message 41653(FCDASA 10-5-1731) from LGCI, Headquarters, DASA 29 October 1965, subject: Approval Policy - Installation of Air Conditioning Evaporative Cooling, Dehumidification and Mechanical Ventilation Equipment, and 1st Indorsement, LGCI, Headquarters, DASA, 12 October 1965, subject: Approval Policy - Installation of Air Conditioning, Evaporative Cooling, Dehumidification, and Mechanical Ventilation Equipment; delegates to Commander, Field Command, the authority of "Operating Agency Commander" (Army Regulations) for approving message subject installations.

5. (U) Agreement Between the Defense Atomic Support Agency and the Department of the Army (Corps of Engineers), 15 August 1962; designates and authorizes Commander, Field Command, DASA to maintain DASA installations in accordance with procedures, standards of performance, limitations on types of work to be undertaken, etc., as set forth in Army Regulations.

6. (U) 1st Indorsement, DASALG 322.011 (20 Oct 61), Headquarters, DASA, 2 November 1961, subject: Delegation of Approval Authority; authorizes Commander, Field Command to approve requests for the disposal of buildings and other improvements when the original cost, actual or estimated, or any single item recommended for disposal is not in excess of $5,000. (Letter, FCES1, this Headquarters, 6 December 1961, subject: Delegation of Approval Authority to Dispose of Temporary Facilities; delegates to the Commander of each DASA

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DASA base authority for the disposal of temporary facilities the value of which, actual or estimated, is not in excess of $1,000-authority subject to the provisions of AR 405-90, not to be redelegated).

7.(U) DASA Instruction 4145.2, 7 November 1968, subject: Environmental Criteria and Design Standards for Nuclear Weapons Service Storage Facilities; authorizes Commander, Field Command to:

a. Prepare original draft, publish and distribute the DASA-approved Atomic Weapons Storage Facilities Manual.

b. Monitor atomic weapons research and development activities conducted by the AEC and the Military Departments.

c. Review, as requested by the Services, design features of proposed atomic weapons and maintenance facilities, including physical security devices and systems, which influence the operational reliability, safety and security of atomic weapons.

d. When requested, render assistance to, and participate with Headquarters, DASA, and the Military Departments in the design and testing of structures intended for the storage of atomic weapons.

8.(U) DASA Instruction Number 4100.2, 8 December 1966, "Commercial and Industrial Type Activities;" establishes standard policy and review procedures applicable to the establishment or continued operation of commercial and industrial type activities, and prescribes use and compliance with Department of the Army Regulations 235-5, 12 November 1969, subject: Commercial and Industrial Type Activities. FCDASA Instruction 4105.1, 28 April 1967, subject: Commercial and Industrial Type Activities; was revised in accordance with information contained in AR 235-5. As a result of a telephone conversation with HQ DASA, Commander, Field Command authority to discontinue commercial or industrial type activities is included in FCDASA Instruction 4105.1. This authority obviates the necessity for obtaining prior approval of Director, DASA, to discontinue activities under the commercial and industrial review program.

9.(U) Letter, DASALG, Headquarters, DASA, 12 November 1963, subject: Army Regulation 700-80 CONUS Estimated Requirements for Petroleum Products (For Contract Bulletin or Special Contract Coverage); advises that estimated requirements for petroleum products should be submitted on DA Form 2714 (CONUS Requirements for Petroleum Products). DASA bases submit installation requirements for specified petroleum products through Headquarters Field Command for use in establishing contract bulletins and/or special contracts.

10.(U) Department of Defense Charter for the Defense Atomic Support Agency Division of the Defense Stock Fund; assigns Commander, Field Command, primary responsibility to administer and manage the DASA division of the

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defense stock fund. Letter DASA Comp-4-301-46, Headquarters DASA, 7 June 1967, subject: Establishment of a Stock Fund Division for the Defense Atomic Support Agency, as Modified by 1st Indorsement LGSS, Headquarters DASA,23 May 1969, to letter FCIG2, Headquarters FCDASA, 13 May 1969,subject: DASA Stock Fund Organizational Nomenclature; establishes the Chief, FCDASA Logistics Directorate as Stock Fund Program Director and the FCDASA Comptroller as Fund Manager.

11. (U) Letter, DASALG, Headquarters DASA, 8 May 1962, subject: Guidance on the Implementation of Department of Defense Instruction 4410.6; delegates to Commander, Field Command, the authority of Chief, Defense Atomic Support Agency to assign Force/Activity Designators up to and including Designator II to forces or activities assigned. Paragraph 1c, 2nd Indorsement, LGSS, 24 Dec 1964, Headquarters, DASA subject: Uniform Materiel Movement and Issue Priority System (UMMIPS), states, "This change assumes that Logistics Group, Field Command will discharge the review responsibility for Force/Activity Designators and also assign FAD's IV through II for urgent materiel requirements of other Field Command elements."

12. (U) Letter, DASAON-5,401.6 Headquarters DASA, 27 September 1962 subject: Procedures for Maintenance of the Department of Defense Activity Address File; assigns Commander, Field Command as the DASA central point for the responsibilities set forth in paragraph 3 of the Procedures for Maintenance of the DOD Activity Address File and Directory. Assigned responsibility is for furnishing Defense Logistics Services Center additions, revisions and deletions to the DOD Activity Address Directory and File.

13. (U) Letter, DASALG, Headquarters DASA, 27 November 1963, subject: Department of Defense Equipment Allowances and Authorization Policy; authorizes Commander, Field Command, to prescribe policies, procedures and responsibilities for an efficient and economical property allowances system for authorization of standard service and commercial equipment and supplies within Field Command DASA, and motor vehicles for DASA, and provides the authority to monitor the FCDASA Bases and Activity Equipment Lists.

14. (U) Letter LGSS, Headquarters, DASA 25 January 1967, subject: Table of Allowance Procedures; delegates to Commander, Field Command the approval authority for replacement of, or substitution for, items with an acquisition cost in excess of $25,000. This approval authority has been redelegated to Chief of Staff (Deputy Commander, Support) by FCDASA Instruction Number 5100.10, 27 February 1968, subject: Authorities and Responsibilities of Deputy Commander, Executive Officer, and Chiefs of Staff Activities of Headquarters Field Command, Chief, Logistics Directorate is the approval authority for new or additional items with a unit cost of less than $1,000; replacement of, or substitution for, items with an acquisition cost of less than $25,000; specified items of noncapital equipment; and deletion of items authorized by Field Command tables of allowances. Commanding officers or Commanders and Chiefs of FCDASA Staff Activities are authorized to approve Equipment List allowances for items with a unit cost of less than $200, in accordance with the provisions of FCDASA Instruction 4100.8, 27 February 1967, "FC Property Allowances System."

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15. (U) Letter, DASALG, Headquarters DASA, 13 May 1963, subject: Replacement and Repair Guidance, and Life Expectancies for Commercial Design Vehicles; authorizes Commander, Field Command to prescribe policies, procedures and responsibilities pertaining to the replacement, repair and life expectancies of DASA-owned motor vehicles. In accordance with FCDASA Instruction 4500.8, 2 March 1966, "Appraisal Requirements Report of Motor Vehicles," the responsibility for assignment, redistribution, transfer, shipment, or disposal of motor vehicles is accomplished by the Chief, Logistics Directorate. In accordance with FCDASA Instruction 4500.9, 25 June 1963, "Replacement and Repair Guidance, and Life Expectancies for Motor Vehicles," the responsibility for annual vehicle replacement programs is accomplished by the Chief, Logistics Directorate.

16. (U) DASA Instruction 3000.5, 17 May 1968, subject: Agreements; redelegates to Commander, Field Command, Director DASA authority to enter into support and service agreements with the Military Departments, other DOD agencies or other government agencies. This authority may be further delegated commensurate with the nature and intent of the agreement, subject to specified limitations.

17. (U) Letter, DASACT 320, Headquarters DASA, 1 August 1960, subject: Delegation of Authority in Comptroller Functions; delegates authority to Commander, Field Command to publish implementing instructions or manuals for budget, finance, accounting, and audit work, subject to specified restrictions. FCDASA Instruction 7000.1, 1 July 1969, "Financial Resources Management" delegates the administration and management of the FIA system (except for atomic ordnance items) to Chief, Logistics Directorate to include review and analysis of parts I, II and IV of the Stock Management and FIA Balance Sheet Reports, and review of the narrative analyses supporting the Stock Management Report prepared by each supply activity.

18. (U) DOD Directive 5105.31 (ASD(A)), 22 July 1964, subject: Defense Atomic Support Agency (DASA); delegates authority to Commander, Field Command to establish and maintain appropriate Property Accounts for DASA; establish and maintain, for the functions assigned, an appropriate publications system for the promulgation of regulations, instructions, and reference documents, and changes thereto; enter into support and service agreements with the military departments, other DOD agencies, or other Government agencies as required for the effective performance of responsibilities and functions assigned to DASA; and exercise the authority delegated to the Secretary of Defense by the Administrator of the General Services Administration with respect to the disposal of surplus personal property.

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19. (U) DSAM 4140.4 (AR 700-39), January 1965, "Defense Retail Interservice Logistics Support"; authorizes this Command representation as an Interservice Logistic liaison with other DOD activities, and to monitor quarterly interservice Logistic Support Reports.

20. (U) Letter, LGCI, Headquarters, DASA, 11 September 1967, subject: Government-owned Household Furniture, its Authorized Use and Limits of Repair; authorizes one-time repair of DASA furniture at a cost not to exceed 40 percent of the replacement value of the furniture; authorizes repair of washers and dryers at a cost not to exceed 50 percent of the replacement value of the unit; and prohibits issuance of DASA furniture to ineligible personnel.

21. (U) DASA Instruction 4000.2, 5 March 1968, subject: Redistribution of DASA Owned Assets in Lieu of New Procurement and DASA Instruction 4130.3, March 1969, subject: Provisioning and other Preprocurement Screening Manual; delegates authority to Commander, Field Command to screen for availability of equipment for utilization of Defense Personal Property. No limitation has been imposed on further redelegation of this authority to Commander, Field Command; therefore, actions are being accomplished by the Chief, Logistics Directorate as a responsibility inherent to the Logistics function.

22. (U) DASA Instruction 4160.2, 25 November 1968, subject: DOD Personal Property Disposal Program; delegates authority to Commander, Field Command to dispose of excess personal property in accordance with the provisions of Defense Disposal Manual 4160.21M. No limitation has been imposed on further redelegation of this authority to Commander, Field Command, and, therefore, actions are being accomplished by Chief, Logistics Directorate as a responsibility inherent to the logistics function.

23. (U) AR 700-22, World-Wide Ammunition Requirements and Asset Report; provides instructions for the preparation of unified World-Wide Ammunition Requirements and Asset Report, RCS CSGLD-1322 (R1) to furnish data required for budget estimates, supply control studies, allocations, distribution planning, procurement initiation and scheduling, readiness assessment, and various other logistical factors applicable for conventional and chemical ammunition items except nuclear. Since this report does not lend itself to DASA for reporting ammunition requirements, 2d Indorsement, SMUAP-QP (23 Jan 68), U.S. Army Ammunition Procurement and Supply Agency, 21 March 1968 subject: 1 Oct thru 31 Dec 67 DA 580 Report; advised that the U.S. Army Ammunition Procurement and Supply Agency would continue to accept DA Form 580, Ordnance Ammunition Stock Status Report (RCS ORD-26 (R-1)). Army Regulation 742-10, 1 June 1967, "Inspection of Supplies and Equipment," designates commanders of Class II installations ~~(Commander, Field Command)~~ as the responsible Commander to monitor the submission of Ammunition Inspection and Lot Number

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Reports. These reports furnish information quarterly regarding all stocks on hand of conventional ammunition (including chemical/biological and selected). FCDASA Instruction 4100.4, 6 December 1968, Conventional and Chemical Ammunition and Explosives Supply System; prescribes DASA Base ordnance and chemical reporting procedures through Headquarters, Field Command, DASA.

24. (U) 1st Indorsement, DASALG (7 Oct 63), Headquarters, DASA, 9 December 1964, subject: Provision of Furnishings in Personnel Quarters; authorizes Commander, Field Command to prescribe policies, procedures, and responsibilities for the provision of furnishings in personnel quarters.

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ENGINEERING DIVISION

Mr. Frank E. Wilson, GS-14, Civilian, Chief

I. (U) ACTIVATION. As recorded in Semiannual Historical Report of Services Division, Field Command, Armed Forces Special Weapons Project, dated 1 January 1953 to 30 June 1953.

II. (U) MISSION. As recorded in Semiannual Historical Report of Engineering Division, Logistics Group, Field Command, Defense Atomic Support Agency, dated 1 January 1965 to 30 June 1965.

III. (U) ORGANIZATION. As recorded in Semiannual Historical Report of Engineering Division, Logistics Group, Field Command, Defense Atomic Support Agency, dated 1 January 1965 to 30 June 1965.

IV. (U) PERSONNEL. Key personnel on duty during the period and the date of their assignment to DASA include:

Mr. Frank E. Wilson, GS-14, Civilian, Chief, Engineering Division, since 1 January 1963	15 September 1953
Major Clifton D. Wright, USAF, 263482069FR, Chief, Operations Branch, since 22 December 1969	22 December 1969
Mr. John T. Fallon, Jr., GS-13, Civilian, Chief, Engineering and Services Branch, since 1 February 1963	19 February 1951

Authorized Strength

	Officers and Warrant Officers	Enlisted	Total
Army	0	0	0
Navy	0	0	0
Marines	0	0	0
Air Force	3	0	3
Total	3	[redacted]	[redacted]

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Assigned Strength

	Officers and Warrant Officers	Enlisted	Total
Army	0	0	0
Navy	0	0	0
Marines	0	0	0
Air Force	3	0	3
Total	3	0	3

	Authorized Strength	Assigned Strength
Civilian Personnel	11 *	10 **

* The position of Industrial Engineer has been vacant the entire reporting period.

** One civilian, Mr. C. J. Ellis, GS-12, was assigned from the Fourth Mobility Service Office, Fort Sam Houston, Texas, on 4 October 1968 for duty as a maintenance technician with Field Command and was not included in the above strength totals. Due to the Defense Department's directed reduction in manpower and funds, the office at Fort Sam Houston was closed and Mr. Ellis retired on 19 June 1970.

V. ACTIVITIES. During the period covered by this report, this activity has accomplished the following:

A. Office of the Chief:

1. (U) Advance Research Electromagnetic Pulse Simulator (ARES) Support Agreement.

a. Amendment No. 1 to this agreement was executed by FCDASA on 8 January 1970. This amendment provided for calibration of ARES diagnostic equipment and for modifying Building 677, Sandia Base, for use by the contractor for pre-test and check-out of missiles prior to an ARES test.

b. Amendment No. 2 covering vehicles, emergency medical service, and refuse collection was coordinated

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with interested Field Command staff activities and forwarded to the Air Force Weapons Laboratory (AFWL), Kirtland AFB, for signature. This amendment was signed by the Director, AFWL, on 6 April 1970 and executed by this headquarters on 15 April 1970.

c. Amendment No. 3 deleted the requirement to pay Field Command civilian employees for maintenance and calibration of ARES diagnostic equipment as previously provided in Amendment No. 1. However, repair parts remained reimbursable. This amendment was signed by the Commander, AFWL, on 16 June 1970 and by the Chief of Staff, Field Command (FCCS), on 23 June 1970.

2. (U) Tijeras Arroyo Golf Course, Sandia Base: A resume of the actions taken on this project during this reporting period is as follows:

a. The contract for the irrigation system, water line connection, and electrical service line and transformer bank was completed in April 1970.

b. As the lakes were not holding water, the architect-engineer recommended the use of plastic liners in all five lakes. The liners were ordered from a California firm and were placed in the lakes.

c. The contracts for purchasing fertilizer, peat moss, and grass seed were awarded in January and totaled approximately $14,500. The fertilizer and peat moss were purchased the week of 26 January and placed in a warehouse; the grass seed was delivered the first week of February.

d. In regard to moving a building from Kirtland AFB to Sandia Base, the low bidder claimed a mistake of approximately $731 in his bid; therefore, the Purchasing and Contracting Officer, Sandia Base (SBPC) cancelled the solicitation. Kirtland AFB forwarded a letter to Sandia Base stating that the building had to be off its inventory by 25 January 1970. SBPC negotiated a contract on that basis which was awarded to the Jack

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Henderson Construction Company on 19 January for $5,420. A pre-construction conference was held on 23 January, footings were poured, and the building was moved from Kirtland AFB to the golf course site during the week of 16 February 1970.

e. By message, FCLG1 02-0-7218, 17 February 1970, this headquarters requested approval from DASA to use plastic pipe rather than galvanized pipe for potable water lines to rest stations, maintenance building, and drinking fountains under the following conditions:

(1) Plastic lines would be routed and installed outside of the sprinklered areas (rough).

(2) Where it was necessary to cross the irrigation system lines, galvanized pipe would be used that would extend 10 feet each side of the crossing.

(3) All potable water lines would cross above the irrigation lines.

By message 00159 (FC 02-0-0909), 19 February 1970, this request was approved by DASA. This represented a "cost avoidance" of approximately 50 percent or $2,000 over the cost of using galvanized pipe. The contractor for the irrigation system was asked to submit a proposal for this additional work by 24 February which was accepted in the amount of $2,506. This work was completed at the same time as the irrigation system.

f. A contract to repair the lagoons was awarded to the B&E Construction Company for $38,782; construction time of 75 days was given the contractor after acknowledgment of notice to proceed. A change order in the amount of $3,900 was required to provide a suitable overflow structure as well as an intake structure for the lagoon water line. As of the end of this reporting period, it is estimated that all work is 98 percent complete.

g. In order to conserve available dollars for the construction of the golf course, it was decided to utilize

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military forces to install the lagoon water line. Work progressed very slowly due to lack of personnel, and as of the end of this reporting period only about 5, 000 feet of the line had been placed, of a total of approximately 13, 000 feet.

h. As of the end of this reporting period, all grass had been planted with the exception of two practice greens.

B. Operations Branch:

1. (U) Base Closure:

a. On 9 January 1970, public disclosure was made concerning the closure of Bossier Base. The Operations Branch assisted with problems associated with the closure. Specific actions included the following:

(1) Reviewed excess lists to identify items for distribution to other DASA activities. Assisted in preparing coordinated disposition instructions for these items.

(2) Assisted in base level, joint effort planning for maximum retention of personnel during the turnover of the base to Barksdale AFB.

(3) Provided advice and guidance concerning the Transfer and Acceptance of Military Real Property, DD Forms 1354.

(4) Upon receipt, reviewed the transfer documents for all base real property facilities except for the Capehart housing area.

b. The transfer of Bossier Base to Barksdale AFB was effected 1 February 1970. DD Forms 1354 for the Capehart housing area will be forwarded to this headquarters following receipt of the Congressional Armed Services Committee approval of the Title 10 USC 2662 Report. Upon receipt of these housing transfer documents, these forms, along with transfer documents for all other Bossier Base real property (currently being held in the Operations Branch), will be distributed and filed as appropriate.

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2. (U) Real Property Maintenance Activities (RPMA) Consolidation Study: Participation in the Sandia-Kirtland RPMA Consolidation Studies (see Logistics Directorate portion of this report) constituted a major workload for the Operations Branch during this reporting period. The Chief, Operations Branch, served as Secretary and Recorder for all Steering Committee and Consolidation Planning Committee meetings. As such, he notified all members and prepared agendas and minutes for all meetings of these groups. Other members of the Branch served on various Working Groups and provided valuable inputs to each of the plans. The Branch prepared and coordinated Plan 'D," which was submitted to HQ DASA and HQ Air Force Systems Command (AFSC) as the recommended plan to be followed in the event consolidation of RPMA organizations is directed.

3. (U) O&M RPF Projects Program:

a. FCDASA Instruction 4000.7, "Field Command, DASA, Facilities Review Board," was revised during the period of this report and republished on 6 April 1970 as FCDASA Instruction 4000.7A. The revision established the requirement for review and evaluation of all RPF projects and validation of priorities and programs recommended by Sandia Base for inclusion in budgets pertaining to the real property area. Three meetings of the Facilities Review Board were held during this period to consider the O&M RPF Projects Program. Specific board actions included the following:

(1) Reviewed, evaluated, and established priorities for previously unprogrammed and unfunded FY70 RPF projects.

(2) Reviewed and approved the FY71 RPF Projects Program.

(3) Discussed and approved the use of fall-out funds being made available by HQ DASA.

b. FCDASA Instruction 4000.7A also required that the Facilities Review Board be kept informed of the status of O&M RPF projects. The Operations Branch designed a simple

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format based on information contained in a weekly projects listing prepared by the Sandia Base Engineer (SBBE). This format provides the board with the necessary project status information and permits monitoring of the entire program, including changes thereto.

c. Budget preparation and analysis efforts were continuous during this period. Included were the following actions:

(1) Completed apportionment budget submission for FY70 and FY71.

(2) Prepared comparative analyses of operations and maintenance costs for Field Command with the Department of Army Annual Summary of Operations for FY69.

(3) Prepared trend analyses for FY69, FY70 and FY71 at the Resources Management System (RMS) functional level for Family Housing and General Facilities appropriations.

(4) Revised output measurement instructions to be effective FY71.

4. (U) Military Construction (MILCON) Program, FY71:

a. Letter, LGCI, HQ DASA, 3 February 1970, provided a listing of General Facilities and Family Housing projects that were approved by the Department of Defense (DOD) for inclusion in the President's FY71 Budget. The projects are as follows:

Warehousing and Sales Addition to Main Commissary, Sandia Base	$575,000
Install Storm Sewers, Sandia Base	$515,000
Additional Baths to Three-Bedroom Homes, Sandia Base	$326,000
Air Condition Three Barracks, Bossier Base	$170,000

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The Bossier Base project will be transferred to the Air Force upon its approval by Congress.

b. A project for replacement of the Sandia Base temporary base engineer shops approved during the last reporting period by HQ DASA for FY71 was deferred to a future program by DOD.

5. (U) Five-Year MILCON Program, FY72-76:

a. The Field Command Facilities Review Board met on 17 April, 27 April, and 8 May 1970 to develop the Field Command FY72-76 Five-Year MILCON Program for General Facilities and Family Housing. The recommended program was finalized and forwarded to HQ DASA for continuing action on 1 June 1970. The Field Command recommended FY72 program is as follows:

GENERAL FACILITIES

Base	Description	Estimated Cost
Sandia	Remodel Building 358 for Atomic Display	$147,000
Manzano	Additional Water Storage Tank	27,000
Sandia	Construct Gas Cylinder Storage Building	40,000
Sandia	300-Seat Chapel Addition to Existing Chapel	300,000
Sandia	Addition and Alteration to Fire Station, Building 210	35,000
Sandia	Construct Permanent Base Engineer Shop Facility	397,000
	TOTAL	$946,000

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FAMILY HOUSING

Base	Description	Estimated Cost
Sandia	Install Automatic Humidifiers	$148, 000
Sandia	Convert Wall Heaters to Central Heating	70, 000
Sandia	Install Kitchen Exhaust System	120, 000
Sandia	Correct Design Deficiencies in Family Quarters	40, 000
	TOTAL	$378, 000

b. Director, DASA is currently considering the Field Command Five-Year Program. The HQ DASA approved Five-Year Program will become known during the next reporting period. Upon notification of the DASA approved FY72 program, those projects will be forwarded to the Fort Worth District Engineer for more detailed development.

c. The 1970 Sandia Base Master Plan was also reviewed and approved during the 27 April 1970 meeting of the Facilities Review Board. The Plan was forwarded to Director, DASA on 1 June 1970; formal approval was requested.

6. (U) Urgent Minor Construction: No new Urgent Minor Construction projects were programmed during this reporting period.

7. (U) General:

a. Long Range Financial Plans, Annual Work Plans, and Five-Year Defense Plans:

(1) Long Range Financial Plan: The Operations Branch revised project descriptions and justifications of the final FY71 O&M RPF projects program included as part of

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Annex A to the Long Range Financial Plan. Deficiencies in descriptive data and justifications were corrected and forwarded to the Field Command Comptroller (FCCT) for use in the Tab L and Tab M portion of the FY71 budget submittal. Instructions were sent to Sandia Base on 12 June 1970 requesting revision and correction of project documentation for the FY72 O&M RPF program and re-submittal by 15 July 1970. The revised documentation will be used by FCCT for use in Tabs L and M of the FY72 initial budget submission.

(2) Annual Work Plan: 1 July 1970 remains the due date for submission by Sandia Base of a consolidated work plan for FY71.

(3) Five-Year Defense Plan: The FY72-76 Five-Year Defense Plan was submitted to HQ DASA during this reporting period. Operations Branch personnel reviewed the plan and answered several requests by HQ DASA for additional information concerning the O&M RPF projects in the plan.

b. Family Housing:

(1) The status of proposed changes in the responsibility for assignments of 460 housing units designated for use by personnel assigned to Kirtland AFB remains as reported in the last Semiannual Historical Report. Potential impact of the proposed Sandia Base-Kirtland AFB RPMA Consolidation has prevented changes in assignment procedures pending a decision on the consolidation.

(2) On 19 January 1970, a request was received from Sandia Base to secure approval to declare 50 small I-2 quarters inadequate and to gain approval to retain the quarters for occupancy on a fair rental basis. The Operations Branch performed extensive research into the procedures and approval authorities required to declare quarters inadequate. It was found that the public law authorizing DOD to declare Government quarters inadequate, when such quarters were to be retained, had expired. The only requests being considered are those required to support programs for disposal of substandard housing units.

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Based on this information and since the I-2 quarters serve as assets in the overall family housing inventory, the request was returned to Sandia Base without action.

(3) Transmitted requirements to Sandia Base for a new recurring report to be submitted quarterly: RCS: DD-M(Q)975, "Equal Opportunity for Military Personnel in Off-Base Housing Program."

c. Minor General Activities:

(1) Plastics and Special Fabrication Shop: This project was approved by Congress for inclusion in the FY70 MILCON Program. However, a subsequent study was made addressing the proposed investment and known operating costs versus current utilization and contribution to mission requirements. As a result of the study, it was determined that construction of a new building costing $121,000 for a Plastics and Special Fabrication Shop was not a sound investment in terms of contribution to current mission requirements. In view of this, cancellation of the project was recommended to save $121,000, budget amount to be reported as a "cost avoidance." Approval to cancel the project was given by the Deputy Assistant Secretary of Defense (Installations and Housing) on 17 April 1970. As the existing Plastics Shop had been allowed to operate in violation of fire codes in anticipation of approval of a new facility and as correction of existing deficiencies would cost in excess of $25,000, Sandia Base requested approval to close the operation. On 7 May 1970, approval to close the facility was given, with a target date of 30 June 1970 for closing.

(2) Classified Waste Destruction: One classified waste grinder was installed on a trial basis during this period. Operations Branch representatives worked with Sandia Base personnel in resolving various problems encountered during installation and checkout. The operation of the equipment proved satisfactory. Sandia Base is in the process of making permanent installation of two machines.

d. Employee Suggestion Evaluations: One employee suggestion was evaluated during this period. The

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suggestion recommended that the requirement for semiannual static and functional load tests on hoists be changed to an annual requirement. The suggestion was not recommended for adoption.

e. Table of Allowances (TA) Requests: Reviewed and recommended approval for the following requests (Sandia Base requests except as otherwise specified):

(1) Field Command Nuclear Training Directorate (FCTG) - Paint spray booth.

(2) Additional vehicle radios.

(3) Metalworking band saw.

(4) Portable paint spray compressor.

(5) 12 inch jointer.

(6) PH indicators.

(7) Respirator.

(8) Field Command Nuclear Materiel Directorate (FCNM) - fume collector.

(9) Convoy lubricator.

(10) Refrigerant flushing machine.

(11) Stencil cutter.

(12) Microfilm reader.

8. (U) Fire Prevention and Protection:

a. During the period of this report, three reportable fires occurred on Sandia Base:

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(1) A water pump house located at the Coyote Springs picnic area caught fire at 1425 hours, 28 February 1970. The fire report and arson investigation were forwarded to Director, DASA. Estimated Government loss was $669.16.

(2) A fire occurred in the utility room of Zia Park Family Quarters No. 5325 at 0230 hours, 4 May 1970. In order to prevent possible fires in other quarters with similar heater installations, a special fire safety inspection will be conducted prior to the next heating season. Estimated Government loss was $753.20.

(3) An explosion and fire occurred in Family Quarters No. 1225-B at 1633 hours, 23 June 1970. Apparent cause was violation of safety regulations by a contractor in that a wall furnace pilot light was permitted to remain lit while workmen were sealing floors with a sealer containing flammable thinner. Sandia Base appointed an investigating officer and his report will be forwarded to Director, DASA as supplemental information to the initial report already forwarded. Estimated Government loss was $1, 231.

b. The two previously reported projects to eliminate fire hazards in Buildings 204 and 2000 were advertised and placed under contract during this period.

c. Results of the AEC appraisal of the Sandia Base Fire Department were received during January 1970. The report was discussed at a meeting of representatives of FCLG, SBBE, AEC Albuquerque Operations Office, and Sandia Laboratories. Agreement was reached on each recommendation and the list of recommendations and comments was forwarded to AEC Albuquerque Operations Office.

9. (U) Publications:

a. Prepared an interim change to FCDASA Instruction 4165.6, "Programming Real Property Facilities and Service Contract Projects Exceeding Installation Commander Approval Authority." This change delegated all Commander,

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Field Command (FCCOM) O&M RPF project approval authority to the Commanding Officer, Sandia Base. Completed first draft of FCDASA Instruction 4165.6A and began review and revision for final draft. The new instruction is a major revision of FCDASA Instruction 4165.6.

b. Began revision of FCDASA Instruction 5100.4A, "Environmental Pollution Control," to implement requirements of recent executive orders. The revisions are being made with close coordination with the Field Command Surgeon (FCSG).

c. Revised FCDASA Instruction 4000.7, "Field Command, DASA Facilities Review Board," to expand the board to include FCCOM as Chairman, and the Commanding Officer, Sandia Base; Sandia Base Engineer; and Commander, Manzano Base as members. A requirement for the board to review and approve the O&M RPF Projects Program was also added. (See preceding paragraph 3a.)

d. Reviewed and prepared comments for use in updating FCDASA Instructions 5000.10, "Recurring Audits and Inspections," and 5100.10, "Authorities and Responsibilities of Deputy Commanders, Executive Officer, and Chiefs of Staff Activities of Headquarters Field Command."

10. (U) Personnel:

a. Major Charles D. McMullan, USAF, reported for duty as Staff Civil Engineer on 16 March 1970. His previous assignment was as Base Civil Engineer, Thule Air Base, Greenland.

b. LTC Alfred A. Alvarez, USA, was assigned to the Operations Branch from 28 March to 29 May 1970 as a special assistant in the preparation of the Sandia-Kirtland RPMA Consolidation Study. He has subsequently been assigned as Plans and Analyses Officer for FCLG2.

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C. Engineering and Services Branch:

1. (U) MILCON Authorizations, FY68:

a. Addition to the Hospital, Sandia Base, Line Item B407-87 for $1,517,000: Bids for this project were opened on 17 October 1968. Award was made to the J. R. Brennand Construction Company, Albuquerque, New Mexico, for $1,170,000; work started 19 November 1968. The new addition, Unit F, was accepted for occupancy on 15 December 1969. Demolition work to the existing hospital where modifications were to be made began in Unit B on 8 January 1970. Remodeling of the various portions of Units A, B, C, D, and E are underway with construction progress estimated at 99.9 percent complete. Delay of certain work was caused by a plumbers' strike and the contractor was given a 51-day time extension for completion of the contract. Estimated completion is October 1970.

b. Automatic Data Processing (ADP) Facilities, Sandia and Manzano Bases, Line Item B407-88 for $215,000:

(1) On the Manzano Base portion of the project, the air conditioning malfunction was corrected by the addition of a humidifier.

(2) On 18 December 1969, bids were solicited by the Fort Worth District Engineer for the installation of acoustical tile for rooms on the first and second floors of Building 203B, Sandia Base; no bids were received. The Fort Worth District Engineer suballotted funds in the amount of $6,491 to this headquarters for accomplishment of this work. As of the end of this reporting period, SBPC had not gone out for bids.

c. Improvements to Family Housing:

(1) Additional Baths for 102 Family Quarters, Sandia Base, Line Item 882.10 for $326,000, and Installation of 97 Heating Units in Family Quarters, Sandia Base, Line Item 882.20 for $56,300: On 10 July 1969, bids were received from four bidders. Award was made to the R. M. Wells

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Company, Quanah, Texas, in the amount of $332,660 for 84 baths and 97 heaters. Work began on 11 August 1969 and construction is reported as 98.1 percent complete at the end of this reporting period.

(2) Modify 21 Family Housing Units, Bossier Base, Line Item 882.10 for $102,000: Bids were opened on 12 June 1969. The low bid was submitted by the Cherokee Construction Company, Shreveport, Louisiana, and contract was awarded 16 June 1969 in the amount of $96,429. Construction was completed in January 1970.

2. (U) MILCON Authorizations, FY69:

a. Evaporative Cooling, Building 132, Manzano Base - Design, $3,000 (MIPR 728-69) and Construction, $26,600 (MIPR 726-69): During the final design phase, refrigerated cooling was substituted for the evaporative cooling system because the alternate construction was more economical. Bids were opened on 20 January 1970 and the contract was awarded to the L. H. Chant Company, Albuquerque, New Mexico for $13,460. As of the end of this reporting period, construction is 15 percent complete.

b. Auxiliary Power Unit for Well No. 7, Sandia Base - Design $3,000 (MIPR 729-69), Construction $33,250 (MIPR 727-69): Bids were opened on 7 January 1970 and award was made to the Cummins Rio Grande Sales Company, Albuquerque, New Mexico, in the amount of $33,942 on 31 March 1970. Worked started on 15 April 1970 and is 21 percent complete as of the end of this reporting period.

3. (U) MILCON Authorizations, FY70:

a. Planning Studies: The Fort Worth District Engineer was furnished O&M funds to make advance planning studies for utility systems essential to the design of MILCON program projects as follows:

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(1) Water Distribution: Three Additional Water Wells and Water Storage Tank, Sandia Base, $13,000.

(2) Electrical Distribution: Utilities Improvements for Family Housing, Sandia Base, and Loop Electrical Primary Distribution System, "Q" Area, Manzano Base, $12,000.

b. Additional 1,000,000 Gallon Water Storage Tank, Sandia Base (Line Item 101) for $84,000: Directive No. 2, 5 May 1970, was received authorizing $5,166 for design and $79,800 for construction. A contract will be awarded to Gordon Herkenhoff and Associates, Albuquerque, New Mexico, to study the water distribution system at Sandia Base with the option of accomplishing the final design of this project and also item 3c below.

c. Three Additional Water Wells, Sandia Base, Line Item 103 for $290,000: Directive No. 2, 5 May 1970, was received authorizing $16,425 for design and $275,500 for construction. (See item 3b above.)

d. Electrical Utilities Improvements for Family Housing, Sandia Base, Line Item 882.050 for $363,000: This project provides for the updating of the present electrical system in the housing area east of Main Street by replacing an existing substation and the construction of an alternate primary feeder line for the new substation. Directive No. 1, 13 May 1970, authorized $20,000 for the work. Uhl and Lopez, Inc., Albuquerque, New Mexico, was awarded the contract for a study of the Sandia Base electrical distribution system on 30 June 1970 with the option of accomplishing final design of this project and also item 3e below.

e. Loop Electrical Primary Distribution System, "Q" Area, Manzano Base (no line item assigned) for $36,000: This project is for the construction of 2,800 lineal feet of primary electrical line and the increase in capacity of 3,600 lineal feet of existing primary line to complete the loop primary system in the "Q" area. Directive No. 1 (MIPR 735-70, design $2,500 and MIPR 734-70, construction $34,200) was received. (See item 3d above.)

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f. Additional Baths for 18 Three-Bedroom Family Quarters, Sandia Base, Line Item 882.040 for $55,500: Directive No. 1, 13 May 1970, authorized $50,500 for the preparation of one-step turnkey procurement documents to be awarded prior to 1 July 1970. Bids were opened on 23 June 1970 and only one bid was received which was submitted by the R. M. Wells Company, Quanah, Texas, as follows:

Basic Bid	$86,040
Deductive Alternate No. 1	8,800
Deductive Alternate No. 2	8,400
Deductive Alternate No. 3	8,000

As of 30 June 1970, no decision had been made by the Corps of Engineers as to award or rejection of bid.

4. (U) MILCON Authorizations, FY71:

a. See paragraph V.B.4.a. for projects approved by DOD for inclusion in the President's budget.

b. The Fort Worth District Engineer was furnished $20,000 in O&M funds to make an advance planning study on storm drainage which is essential to the design of the MILCON project, Install Storm Sewers, Sandia Base, $515,000.

5. (U) O&M RPF Projects Program:

a. FY70 Programmed Projects Utilizing Appropriated Funds (Exceeding Approval Authority of Base Commander): Technical review was completed on project plans, specifications, and cost estimates for 27 FCDASA base projects with a total cost of $911,048.

b. Technical assistance was furnished Sandia Base as follows: Design assistance, i.e. preparation of drawings, specifications, and cost estimates for the following projects:

(1) SB 82-70, Classified Material Destructor.

(2) SB 67-70, Alterations to Building 676 (North End).

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(3) SB 67-70, Alterations to Building 676 (South End).

(4) SB 98-70, Alterations to Basement, Building 203A.

(5) SB 93-70, Treatment of Stucco Surfaces, Buildings 201, 202C, 202D, 203A, 203B, and 204.

(6) SB 72-70, Alterations to Building 677.

(7) BE 2391-70, Exhaust Hood and Additional Lighting, Building 140.

(8) BE 2585-70, Alterations to Rooms 136 and 137, Building 140.

6. (U) General:

a. ARES:

(1) Modifications to Building 677 have been completed and the building is presently in use as a support facility for ARES.

(2) Bids were opened for the modifications to the north end of the south portion of Building 676 on 21 May 1970. The Testman Construction Company, Albuquerque, New Mexico, was awarded the contract for $31,561. As of the end of this reporting period, modification work was in progress and estimated to be five percent complete.

b. Participated in the Logistics Goals Program as follows:

(1) Planned consolidation of Sandia Base and Kirtland Air Force Base support functions.

(2) Automated specification writing system.

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(3) Rewrite master planning instructions.

(4) Review and revise Logistics instructions.

(5) Improve evaluation effectiveness of O&M RPF and MILCON programs.

(6) Update engineering references.

c. Preparation of General Site Maps and Surveys, Sandia Base, New Mexico (no line item assigned): Directive No. SWD-2, 11 May 1970, authorized the expenditure of $160, 000 for Base Survey and Mapping. Additional funds in the amount of $156, 400 were authorized the Fort Worth District which were not reflected in directive total.

d. Traffic Survey, Sandia Base: The Fort Worth District Engineer was furnished $12, 000 in O&M funds to conduct a traffic survey to obtain information essential for master plan development.

D. Orientation and Liaison Visits:

1. (U) The following was accomplished by Maj C. D. Wright, USAF, Chief, Operations Branch: To Wright-Patterson AFB, Ohio, 9-20 March 1970, to attend the Air Force Base Civil Engineer Staff Officer Course 70-A.

2. (U) The following was accomplished by Capt A. F. Thornton, USAF, Staff Civil Engineer, Operations Branch: To Fort Belvoir, Virginia, 2-20 February 1970, to attend the Army Post Engineer Management School.

3. (U) The following was accomplished by Mr. B. G. Ward, Jr., Mechanical Engineer (General), Operations Branch: To Manzano Base, 18-22 May 1970, as the engineering representative of the Field Command IG Team.

4. (U) The following was accomplished by Mr. T. H. Flora, Civil Engineer (General), Operations Branch:

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a. To the Bureau of Indian Affairs Indian School, Santa Fe, New Mexico, 3 February 1970, to evaluate an acrylic and fiberglass coating system used on stucco, masonry and wood surfaces.

b. To Kansas City, Missouri, 24-27 March 1970, to attend the Forty-Second Annual Fire Department Instructors' Conference.

c. To Chicago, Illinois, 27-20 April 1970, to attend the Twenty-First National Plant Engineering and Maintenance Conference.

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LOGISTICS DIVISION

Lieutenant Colonel Daniel L. Johnson, USA, Chief

I. (U) ACTIVATION. As recorded in Semiannual Historical Report of Services Division, Field Command Armed Forces Special Weapons Project, 1 January 1953 through 30 June 1953.

II. (U) MISSION. As recorded in Semiannual Historical Report of Logistics Division, Logistics Directorate, FCDASA, 1 July 1969 through 31 December 1969.

III. (U) ORGANIZATION. As recorded in Semiannual Historical Report of Logistics Division, Logistics Directorate, FCDASA, 1 July 1969 through 31 December 1969.

IV. (U) PERSONNEL. Key personnel on duty during the period and the date of their assignment to DASA include:

Lieutenant Colonel Daniel L. Johnson, 265240898, USA, Chief, Logistics Division, since 5 January 1970	5 January 1970
Lieutenant Colonel Alfred A. Alvarez, 027142250, USA, Logistics Plans and Analyses Officer, since 30 May 1970	3 March 1970
Lieutenant Colonel Harry H. Wilt, 191129876, USA, Logistics Plans and Analyses Officer, since 30 June 1970	7 August 1968
Lieutenant Commander Glendon R. Mantlo, 585123, USN, Services Officer, Services Branch, from 27 August 1969 to 13 May 1970; and Acting Logistics Plans and Analyses Officer, from 1 October 1969 to 4 January 1970	27 August 1969

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Major Henry D. Sheffield, 462603274, USA, Supply Officer, Supply Branch, from 1 July 1969 to 1 October 1969; and since 5 January 1970; and Acting Chief, Logistics Division, from 1 October 1969 to 4 January 1970	1 July 1969
Major Thomas C. Dann, 116325020, USA, Logistics Plans and Analyses Officer, from 8 August 1969 to 1 October 1969; and from 5 January 1970 to 15 May 1970; and Acting Supply Officer, Supply Branch, from 1 October 1969 to 4 January 1970	8 August 1969
Mr. Guy G. Henson, Civilian, GS-14, Traffic Manager, Services Branch, since 6 December 1960	16 January 1948
Mr. Rex E. Sherwood, Civilian, GS-12, Equipment Specialist (General), Services Branch, since 30 March 1960	15 March 1957
Mr. David L. Wilson, Civilian, GS-11, Supply Management Officer, Stock Fund/Management Branch, since 24 February 1969	24 June 1947
Miss Elizabeth Tallant, Civilian, GS-9, Allowances Officer (General Supply Specialist), Supply Branch, since 21 March 1957	10 October 1947

Authorized Strength

	Officers and Warrant Officers	Enlisted	Total
Army	2	0	2
Navy	0	0	0
Marine Corps	0	0	0
Air Force	0	0	0
Total	2	0	2

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	Assigned Strength		
	Officers and Warrant Officers	Enlisted	Total
Army	4	0	4
Navy	0	0	0
Marine Corps	0	0	0
Air Force	0	0	0
Total	4	0	4

	Authorized Strength	Assigned Strength
Civilian Personnel	10	10

V. ACTIVITIES. During the period covered by this report, this activity has accomplished the following:

A. Logistics Division:

1. (U) Agreements, Memorandums of Understanding, and Interservice Support Agreements: New or updated agreements submitted by Staff Activities and Bases for approval were coordinated as directed by appropriate regulations and subsequently returned to the originators for further appropriate action.

2. (U) The incumbents of two unauthorized military positions, Lieutenant Commander Glendon R. Mantlo, USN, and Major Thomas C. Dann, USA, were transferred to other Staff Activities in this headquarters on 13 and 15 May 1970, respectively.

B. Supply Branch:

1. (U) Vehicle Allowances: The following changes were made in vehicle allowances as authorized in Field Command Table of Allowances (FC TA) 120:

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Category	1 January 1970 Allowances	1 January 1970 Replacement Value	1 July 1970 Allowances	1 July 1970 Replacement Value	Changes in Allowances
General Purpose Vehicles					
Passenger Carrying	209	$ 591,750	151	$ 402,200	- 58
Cargo Carrying	698	2,012,100	371	1,063,150	-327
Special Purpose Vehicles	163	1,093,750	69	384,310	- 94
Construction or Base Maintenance Vehicles	72	783,956	22	255,400	- 50
Materials Handling Vehicles	131	1,160,600	52	359,900	- 79
Total	1,273	$5,642,156	665	$2,464,960	*-608

*A total of 608 vehicles at the four inactivated FCDASA bases were disposed of by redistribution within FCDASA and Nevada Branch, Test Command, to the support installation or property disposal officer. Allowances for the deactivated bases have been deleted from Field Command Table of Allowances No. 120, "Motor Vehicles." Changes in FC TA 120 allowances for vehicles redistributed within Field Command and Nevada Branch, Test Command will be made upon receipt of documented change requests.

2. (U) Vehicle Support for Advanced Research Electromagnetic Pulse Simulator (ARES): The following vehicles have been furnished in support of the ARES project:

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2 Trucks, pickup, 1/2 ton, 4 x 2 (administrative use)
1 Truck, stake, 1 1/2 ton, 4 x 2
1 Truck, lift, fork, 18,000 pounds draw bar pull

3. (U) Changes in Property Allowances:

a. Line items processed during this period.

(1) From publication of changes to, or republication of, FC TAs: 256

(2) From Requests for Property Allowances, FCDASA Forms 83, submitted by FCDASA activities:

Increases	237
Decreases	132
Total Line Items Processed	625

b. Estimated dollar value of changed items requested by FCDASA Forms 83:

Increases	$1,211,212
Decreases	883,445
Net Change	$ 327,767

4. (U) Field Command Tables of Allowances:

a. The following FC TA was republished: FC TA 55, "Nuclear Training Directorate," 10 May 1970.

b. The following changes to FC TAs were published:

(1) Change 1, FC TA 105, "Nuclear, Biological and Chemical Teams, Nuclear Emergency Teams, Explosive Ordnance Disposal Teams and DASA Radiological Safety Operations Branch."

(2) Changes 8, 9 and 10, FC TA 135, "Office Furniture and Equipment."

(3) Change 3, FC TA 140, "Morale, Welfare and Recreational Equipment and Supplies."

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5. (U) Inventory of Commercial or Industrial Activities: An inventory was furnished Headquarters DASA with an "as of" date of 30 June 1969, covering Commercial or Industrial Activities Operated and managed by DASA and Contract Support Services Procured from Private Commercial Sources by DASA, RCS: DD-I&L(A)799, for codes designated by Field Command DASA Instruction 4105.1, "Commercial and Industrial Type Activities."

6. (U) Budget Requests Processed: 1 January 1970 through 30 June 1970.

Req Activity	No. of Requests FY70	FY71	FY72	Dollar Value Approved	Dis-approved	Can-celled	Ret wo Action	Re-quests	Cost
FCAG	1	0	2	$ 13,474	$ 0	$ 0	$ 0	3	$ 13,474
FCCT	7	3	5	30,855	0	0	0	15	30,855
FCDV	3	1	4	4,022	0	1,807	700	8	6,529
FCEO	1	0	0	0	0	268	0	1	268
FCIG	1	0	0	500	0	0	0	1	500
FCIS	0	1	1	660	0	0	0	2	660
FCLG	0	0	2	750	0	238	0	2	988
FCNM	1	2	2	8,627	0	1,896	0	5	10,523
FCJA	1	0	0	486	0	0	0	1	486
FCPI	2	0	0	838	0	0	0	2	838
FCPS	0	4	2	1,624	0	0	1,597	6	3,221
FCSG	1	0	0	319	0	0	0	1	319
FCSM	2	0	2	12,866	0	0	0	4	12,866
FCTG	9	0	27	39,296	6,100	2,236	28,921	36	76,553
SBAH	2	9	6	6,431	0	12,943	1,850	17	21,224
SAN-DIA BASE	5	2	15	50,553	0	3,695	0	22	54,248
MAN-ZANO BASE	3	0	0	6,537	0	0	0	3	6,537
TOTAL	39	22	68	$177,838	$6,100	$23,083	$33,068	129	$240,089

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7. (U) Financial Inventory Accounting: The following changes in the FCDASA stock inventory occurred during the period 31 October 1969 through 30 April 1970:

FCDASA Operating Stock and Equipment	31 Oct 69 Value	30 Apr 70 Value	Changes
Serviceable Stock	$1,065,705.47	$1,084,210.78	$ +18,505.31
Unserviceable Stock	56,864.73	77,259.67	+20,394.94
Excess Declared	144,347.95	210,136.82	+65,788.87
Standby Stock	177,918.81	142,853.09	-35,065.72
Totals	$1,444,836.96	$1,514,460.36	$ +69,623.40

8. (U) Department of Defense Activity Address Directory: During the reporting period, 62,163 Automatic Digital Network interim change cards were received from the Defense Logistics Services Center (DLSC) for the DoD Activity Address File. These change cards for world-wide additions, corrections, and deletions, were incorporated into five interim changes to the DoD Activity Address Directory, DSAH 4140.1, and distributed to FCDASA activities.

9. (U) Quarters Furnishings: The following figures reflect the 1 July 1970 on-hand inventory of FCDASA furniture and furnishings (items with a unit cost of $10 or more):

	Housekeeping	
Base	Number of Items	Value
Sandia	32,330	$1,572,303.48

	Non-Housekeeping	Value
Sandia	12,567	$ 481,420.78
Manzano	860	36,613.52
Totals	13,427	$ 518,034.30
Grand Total	45,757	$2,090,337.78

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The above figures continue to reflect a gradual downward trend by attrition of FCDASA quarters furnishings inventories. Since the end of FY 63, the inventory has been reduced (44,569 items),and the dollar value inventory has been reduced by ($1,657,661.46).

10. (U) Retail Interservice Logistics Support Report Program: Interservice Logistics Support Reports, Reports Control Symbol (RCS): DD-DSA(AR&Q)150(S)M, for the first and second quarters, FY70, reflected the following dollar value of supplies and services furnished the military services or other DoD agencies by FCDASA Bases:

	Reimbursable		Non-Reimbursable		
	3rd Qtr FY70	4th Qtr FY70	3rd Qtr FY70	4th Qtr FY70	Totals
Army	$10,688	$11,730	-	-	$22,418
Navy	4,117	2,073	-	-	6,190
Marine Corps	383	374	-	-	757
Air Force	5,634	20,950	-	-	26,584
Other DoD Agencies	-	-	-	-	-
Totals	$20,822	$35,127	-	-	$55,949

11. (U) Excess Personal Property Reports: Two hundred and thirty-one Excess Personal Property Reports, Standard Forms 120, were received and reviewed. The items listed thereon were included in monthly FCDASA Excess Personal Property Listings.

12. (U) Utilization of DASA-owned Excess Personal Property: The following is a summary of excess personal property transactions during period covered by this report:

	Line Items	Value
Excess Property Reported During Reporting Period	615	$845,929.34

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	Line Items	Value
Action Pending - Excess Property Carried Forward from Last Reporting Period	227	$128,081.55
Excess Property Redistributed or Withdrawn for Utilization Within FCDASA or other Federal Agencies	186	106,514.48
Excess Property Transferred to Disposal Support Installations	371	255,925.37
*Excess Property Carried Forward to Next Reporting Period - Action Pending	285	611,571.04

*This item included weapons (small arms), filing cabinets and/or security containers, and radiac equipment for which disposition instructions have not been furnished.

13. (U) Nonreportable Excess Personal Property: "Nonreportable" excess personal property, i.e., items with total line item value under $10 (centrally-managed items) or $50 (General Services Administration-managed) and/or uneconomically repairable, transferred from FCDASA Bases to disposal support installations was as follows:

Number of items transferred - 2,056

Total value transferred - $428,478.78

14. (U) Bossier Base Excess Property: As a result of the closure of Bossier Base, various excess items of equipment were reported. Transfers to activities within DASA amounted to approximately $77,000.

15. (U) Ammunition Messages: Three hundred seventy-nine messages announcing lot numbers of ammunition suspended, released from suspension, obsolete or reclassified, were received for information, reviewed, and filed.

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16. (U) Procurement of Excess Property Outside This Command: During this period, the following listed items were procured from White Sands Missile Range, New Mexico, without reimbursement:

2410-542-4882	Tractor, crawler, caterpillar, D8-9A, USA #8B0393, #8B0359	2 each
3825-527-8552	Sweeper, Street (Eglin White Wing) USA #8B8643, #8B8642	2 each
3805-197-8582	Scraper, USA #01236583	1 each
2330-631-2418	Trailer, low bed, 5 Ton, 4 Wheel, Mdl. XM455455	1 each

17. (U) FCDASA Forms 283: A total of sixty-seven Requests for Screening of Excess Property were processed through DLSC to fill existing requirements prior to initiation of new procurement. One hundred line items, for a total sum of $128,258.00 were processed during this period.

C. Services Branch:

1. (U) Food Service and Commissary:

a. Review of Field Ration Mess Accounts, Sandia Base: Reviews were conducted by the Food Service Officer on 6 January and 8 April 1970; no discrepancies were noted.

b. Operation of Commissary at Sandia Base, Albuquerque, New Mexico: By 1st Indorsement, LGSS, Headquarters DASA, 13 March 1970, to letter, SPTCH-SCC, 4 March 1970, subject: Authority for Continuance of Commissary Store, this headquarters was advised that The Assistant Secretary of Defense had certified the commissary store at Sandia Base, New Mexico, for continued operation during Calendar Year 1970. Certification was in accordance with Section 614, Department of Defense Appropriations Act of 1970 (P. L. 91-171).

c. Sale of Health and Beauty Aid Items: Letter, SPTS-PSC, 26 March 1970, U. S. Army Area Support Command, Chicago, Illinois, subject: Sale of Health and Beauty Aids Items, authorized the stockage and sale of 41 line items of health and beauty-aid items in the Sandia Base Commissary.

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2. (U) Vehicles:

a. Report of Exempted Motor Vehicles: Letter, Office of the Assistant Secretary of Defense (ASOD) (Comptroller), 27 May 1970, subject: Report of Exempted Motor Vehicles, requested information on number of DASA vehicles which are exempted from identification and display of decalcomania. This information was furnished by 2d Ind, FCLG2, 22 June 1970, through DIRDASA to ASOD.

b. Fiscal Year 1969 Vehicle Procurement: All vehicles on FY69 procurement have been delivered.

c. Fiscal Year 1970 Vehicle Procurement: Military Interdepartmental Purchase Request, FCLG-70-1 (HD1100-0131-0001) was prepared and submitted to Defense Construction Supply Center, Columbus, Ohio for procurement of two 6,000 Pound Gasoline Engine Driven Fork Lift Trucks for use by Manzano Base.

d. Fiscal Year 1971 Vehicle Requirements: Programmed replacement of controlled vehicles in the DASA fleet consist of the following:

(1)	General Purpose	$ 55,100
(2)	Special Purpose	---
(3)	Construction or Base Maintenance	$ 26,900
(4)	Materials Handling Equipment	$ 25,500
(5)	Transportation	$ 6,450
	GRAND TOTAL:	$113,950

e. 1st Indorsement, FCLG-2, this headquarters, 12 February 1970, to letter DIRDASA, 9 February 1970, subject: Request for Inspectors, forwarded to Commanding Officer, Sandia Base, request for detailing Mr. Frank Barsica, Mr. David Carroll and Mr. Manson Steere as members of the DASA Inspector General Team for inspection of Test Command Elements at Nevada Test Site (NTS).

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D. Stock Fund/Management Branch:

1. (U) Management Review and Analysis: Through application of stock fund management review and analysis techniques and extensive coordination with category managers, the DASA Stock Fund Program objectives for FY70 were achieved. The latest available data indicates a sales-to-obligations ratio of 98.9 percent. Since the acceptable range for this ratio is 95 percent to 105 percent, the 1.1 percent variation is considered to be outstanding.

a. A comprehensive staff study of the Sandia Base mechanized supply system, compared with those of the U. S. Army, was prepared and submitted for review and action.

b. Improved Resources Management System (RMS) reviews and analyses were achieved through development of improved analysis techniques. Procedures were adopted which assure monthly review of all RMS data for which Logistics Directorate has cognizance and which identify problem areas that require staff action.

c. Automatic Data Processing: Work continued on Automatic Data Processing (ADP) applications to logistics operations. Basic systems concepts and requirements were established for automation of the Field Command Allowances system, Quarters Property accounting, Property Book accounting, and Fringe Item accounting. In addition, systems studies were initiated for automation of Commissary accounting and Self Service Supply Center sales accounting.

2. (U) Acquisition Authority: A $400,000 reduction in acquisition authority imposed by higher headquarters was restored when it proved to be required to support the actual sales program.

3. (U) Liquidation of DASA Stock Fund Assets: DASA Stock Fund assets at Bossier Base were transferred to Barksdale Air Force Base upon transfer of Bossier Base to the U. S. Air Force. DASA Stock Fund assets at Manzano Base were consolidated with those at Sandia Base when Sandia Base was assigned responsibility for supply support to both installations.

4. (U) Policy and Procedural Changes: Policy and procedural changes involved in standardizing the DASA Stock Fund Program included:

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a. Developing an inventory analysis system and report format using retail rather than wholesale factors, obtaining DoD approval of the system, and implementing the system. The system was implemented by development and publication of detailed operating procedures and by training of operating personnel in use of the system.

b. Increased participation by operating officials in developing local stock fund programs. This was achieved by continued development of improved program guidance and by working with local program managers in establishing local targets and programs.

c. Developing and implementing new procedures for documenting supply issues and turn-ins using a standard mechanized supply form to replace the manual forms previously in use by the command.

d. Developing and implementing improved procedures to account for Acquisition Authority and to record and account for disposition of commissary meat trimmings.

e. One Supply Management Assistant position was reevaluated and transferred from Stock Fund/Management Branch to the Operations Branch, Engineering Division.

E. Field Command Instructions:

1. (U) FCDASA Instruction 4000.6A, "Mortuary Services," was republished 27 April 1970, to permit use of support agreement by commanders in carrying out their mortuary obligations and update the procedures to be followed by the Purchasing and Contracting Officer in providing purchasing and contracting services for mortuary operations.

2. (U) FCDASA Instruction 4100.5A, "Uniform Materiel Movement and Issue Priority System (UMMIPS)," was republished 22 June 1970, to delete mention of deactivated bases and FCDASA Remote Radio Site (Belen).

3. (U) Change Transmittal 1, FCDASA Instruction 4160.2, "Excess Personal Property," was published 20 February 1970, to redefine the term "silver-bearing scrap."

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F. Staff, Orientation and Liaison Visits:

1. (U) The following was accomplished by LTC Daniel L. Johnson, USA, Chief, Logistics Division:

a. To Bossier Base, Louisiana, to coordinate equipment requirements in connection with Bossier Base phaseout, 21 - 24 January 1970.

b. To Washington, D. C. to attend Department of Defense Computer Institute (DODCI) course and make a Logistics liaison and orientation visit at Headquarters, DASA, 1 - 18 March 1970.

c. To Fort Carson, Colorado, to make an orientation visit on automatic data processing operations for Army commissaries, 6 - 7 April 1970.

d. To Kirtland Air Force Base, Albuquerque, New Mexico to attend meeting of Area IV, Sub Group 2, Defense Retail Interdepartmental Support Committee, 17 April 1970.

2. (U) The following was accomplished by Major Henry D. Sheffield, USA, Chief, Supply Branch:

a. To Washington, D. C. to attend DODCI course, 10 - 22 May 1970.

b. To White Sands Missile Range, New Mexico, to make arrangements for transfer of engineer equipment, 3 June 1970.

3. (U) The following was accomplished by Mr. Guy G. Henson, Traffic Manager:

a. To Bossier Base, to make shipping arrangements for DASA-required items prior to transfer of Bossier Base to U. S. Air Force, 14 - 16 January 1970.

b. To Nevada Branch, Test Command, to accomplish transportation business for Headquarters, DASA, 16 - 20 February 1970.

c. To Naval Weapons Center, China Lake, Inyokern, California, to investigate availability of a B29 aircraft for Sandia Base Atomic Museum.

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d. To Naval Weapons Center, China Lake, Inyokern, California, to assist in dismantling B29 Aircraft for Sandia Base Atomic Museum, 8 - 12 June 1970.

e. To Naval Weapons Center, China Lake, Inyokern, California, to make arrangements for transfer of B29 Aircraft to the Sandia Base Atomic Museum, 22 - 30 June 1970.

4. (U) The following was accomplished by Mr. Rex E. Sherwood, Equipment Specialist:

a. To Nevada Branch, Test Command, to make a technical liaison visit, 8 - 12 February 1970.

b. To Manzano Base, to make a staff liaison visit to inspect dining hall facilities, transportation and materials handling equipment, 20 February 1970.

c. To Kirtland Air Force Base, Albuquerque, New Mexico, to attend a meeting to discuss proposed consolidation of activities of the Base Engineer, Sandia Base and the Civil Engineer, Kirtland Air Force Base, 23 April 1970.

5. (U) The following was accomplished by Mr. David L. Wilson, Supply Management Officer:

a. To Rock Island, Illinois for ADP appreciation training, 2 - 6 March 1970.

b. To Fort Carson, Colorado, to make an orientation visit on automatic data processing operations for Army commissaries, 6 - 7 April 1970.

c. To New Orleans, Louisiana to attend Decision Logic Table Workshop, 4 - 8 May 1970.

d. To Washington, D. C., to attend FY70 stock fund apportionment hearings at OASD Comptroller, 18 - 20 May 1970.

e. To Rock Island, Illinois for ADP Systems Analysis and Design training, 8 - 19 June 1970.

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6. (U) The following was accomplished by Mr. Elmo C. Degani, Supply Management Representative: To Dallas, Texas to attend Middle Management Institute, 9 - 13 March 1970.

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OFFICE OF THE CHIEF,
RESEARCH AND DEVELOPMENT LIAISON DIRECTORATE
SEMIANNUAL HISTORY
For Period of 1 January through 30 June 1970

Colonel Charles R. Carson, USAF
Chief, Research and Development Liaison Directorate

I. (U) ACTIVATION. Originally activated as the Development Division, 8 July 1947, per Memorandum for Chief, Armed Forces Special Weapons Project (AFSWP), from the Chief of Staff, Department of the Army (DA), and the Chief of Naval Operations (CNO), Navy Department, Washington, D. C., dated 8 July 1947. Changed to Research and Development Division, 15 March 1949, per General Order 6, Headquarters, AFSWP, Sandia Base. Name changed back to Development Division, 1 May 1951, per General Order 2, Headquarters, Field Command, AFSWP, Sandia Base. Dual title of Office of the Deputy Chief of Staff, Development; and Development Division, was assigned on 26 March 1956. Name was changed to Office of the Deputy Chief of Staff, Research and Development, per General Order 56, Headquarters, Field Command, AFSWP, 25 September 1956. Name was again changed to Development Evaluation Group, per General Order Number 8, Headquarters, Field Command, DASA, 1 July 1964. Per General Orders Number 15, 26 May 1967, the name was changed to Research and Development Liaison Directorate, effective 1 June 1967.

II. (U) MISSION.

A. The basic mission of the Research and Development Liaison Directorate remains, to participate as an agency of the Department of Defense (DOD) in the development of atomic weapons and associated equipment, by the establishment of close liaison with the Atomic Energy Commission (AEC) and its contractors and by collaboration in the design and development of atomic weapons. This includes the following specific functions:

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1. Responsible to the Commander, Field Command, DASA, and provides staff assistance to Chiefs of other staff activities on all matters pertaining to nuclear weapons research and development.

2. Provides individual and consolidated Service guidance to the AEC field agencies on those nuclear weapons and/or weapon components for which AEC has design or development responsibility.

3. Advises the Commander, Field Command, DASA, of the research status within AEC of new concepts and proposals and of the development status of all established programs; and keeps the Services, at the appropriate Service level, advised of the development status of projects of interest to them.

4. Has prime Field Command, DASA, cognizance for research, development, and design matters for nuclear weapons and associated ancillary equipment during the weapons entire life cycle.

5. Responsible for effecting Field Command, DASA, Phase 1 actions.

6. Responsible for effecting Field Command, DASA, Phase 2 feasibility studies.

7. Provides for each nuclear weapon system, a technical project officer who performs duties as the Field Command, DASA, Project Officer in accordance with the DOD Instruction 5030.5 and A Memorandum of Understanding Among the Atomic Energy Commission, Albuquerque Operations; Field Command, Defense Atomic Support Agency; and others, on Nuclear Weapons Development Liaison Procedures, 10 January 1967.

8. Prepares, coordinates with designated Service development agencies, for forwarding to the Director, DASA, desired military characteristics for AEC-developed weapons.

9. Reviews throughout the development cycle, in conjunction with the Services, proposed AEC designs of nuclear weapons to insure compliance with the military characteristics.

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10. Reviews, coordinates within Field Command, DASA, and insures completeness and adequacy of stockpile-to-target sequences (STS's).

11. Provides technical advice and liaison on tests and studies to determine the mutual compatibility of Service-developed delivery vehicles and AEC-developed weapons.

12. Provides technical assistance and liaison between the AEC field agencies and the Field Command, DASA, staff on configuration matters and conducts configuration conferences.

13. Represents DASA in all Service weapon systems safety study groups; provides comments, conclusions, and recommendations relative to Service and other safety evaluations; and continuously monitors weapons systems safety and prepares recommendations, as appropriate.

14. Provides chairman for and conducts Design Review and Acceptance Group (DRAAG) meetings in accordance with the DRAAG Charter.

15. Is responsible for review and coordination with the AEC and AEC contractors nuclear weapon product change proposals (PCP's) which involve or affect nuclear weapon system design or development.

16. Within Field Command, DASA, has prime responsibility for nuclear weapon reliability requirements and action in connection with AEC design agency reliability activities as are pertinent to the development and design of nuclear weapons/warheads.

17. Provides technical reports, advice, and other assistance as may be requested by the Services, directed by the Director, DASA, or otherwise deemed appropriate.

18. Conducts liaison between field development agencies of the AEC and the Services as requested or as otherwise deemed appropriate.

19. Formulates agreements and memoranda of understanding with AEC and military agencies in support of the Directorate mission.

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20. Obtains pertinent information from AEC field agencies on weapons effects, tests, and vulnerability and hardening, for dissemination to the Deputy Director, Science and Technology (DDST), DASA, and other interested activities.

21. Provides assistance to the AEC field agencies on military matters, including collection of information, briefings, tours of military installations, acquisition of specialized equipment, and other Military Service-oriented functions.

22. Participates in the administration of the Navy research associate programs at the Lawrence Radiation Laboratory (LRL), Livermore, California; and the Los Alamos Scientific Laboratory (LASL), Los Alamos, New Mexico.

B. The above listed functions are accomplished through eleven primary media, as follows:

1. Feasibility Studies. The Weapons Development Liaison Division (Sandia) of the Research and Development Liaison Directorate provides the chairman for each feasibility study group (Phase 2 as described in An Agreement between the AEC and the DOD for the Development, Production, and Standardization of Atomic Weapons, dated 21 March 1953) established for the purpose of determining the feasibility of a particular weapon development.

2. Project Officers Meetings and Nuclear Weapon Project Group Meetings.

a. Project Officers Meetings. The Weapons Development Liaison Division (Sandia) and/or the Weapons Development Liaison Division (Livermore) (Livermore Division) of the Research and Development Liaison Directorate, furnishes a project officer to represent the Commander, Field Command, DASA, at each weapon project officers meeting. These meetings, attended by weapon project officers from the AEC, the interested Service or Services, and Field Command, DASA, are held for the purpose of coordinating the design and development of a particular weapon (Phase 3 of the AEC - DOD Agreement), to assure that the weapon will meet the requirements of the military characteristics.

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b. Field Command, DASA, Nuclear Weapon Project Group Meetings. Nuclear Weapon Project Groups are formed to provide centralized control of responsibilities within Field Command, DASA, for each nuclear weapon throughout the seven phases of nuclear weapon development and stockpiling. Under this concept, the Research and Development Liaison Directorate project officer is the chairman (or primary project officer) of all nuclear weapon project groups for weapons in Phases 1 through 3. In addition, the Research and Development Liaison Directorate responsibility in connection with DRAAG's continues through weapon Phases 4 and 5. As the life cycle of a weapon progresses from phase to phase, the Field Command, DASA, primary project officer, or chairman, of the Nuclear Weapon Project Group automatically changes, so that this primary project officer is a member of the Directorate which assumes prime responsibility for the weapon during the phase it is in. These nuclear weapon project groups, composed of Field Command, DASA, representatives from the Nuclear Training Directorate, the Stockpile Management Directorate, and the Nuclear Materiel Directorate, in addition to the Research and Development Liaison Directorate, meet at the call of the primary project officer (chairman), who reports on the current status of the weapon concerned, and effects coordination within Field Command, DASA, of all actions which may occur in this area of responsibility. Reports of activities are forwarded promptly by the primary project officer to the Chief, Research and Development Liaison Directorate, and to the Commander, Field Command, DASA.

3. Service Safety Study Groups. The Weapon Systems Safety Division of the Research and Development Liaison Directorate furnishes a DASA representative to each Service Safety Study Group established to conduct studies with regard to weapon safety.

4. Liaison Officers with AEC Activities. Liaison officers are accredited to three AEC contractor activities -- Sandia Laboratories (both Albuquerque and Livermore); LASL; and LRL. Approximately 20 officers perform liaison duty with Sandia Laboratories Albuquerque (SLA), where most of the interface problems between the atomic munitions and the military carriers are solved, and work with SLA personnel on a daily basis in the design and development of atomic weapons. There are approximately six officers who commute to LASL on about a once a week basis to follow nuclear developments in both weapon and nonweapon

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programs which are being conducted at that laboratory. Liaison is performed daily at LRL and Sandia Laboratories Livermore (SLL) by personnel of the Livermore Division (who are in residence at Livermore), to keep abreast of both weapon and nonweapon studies being undertaken at these activities. Each of these liaison officers writes reports on the status of his particular part in the program and provides military guidance on detailed technical matters.

5. Liaison with the Services. Research and Development Liaison Directorate officers also coordinate and exchange design and development information with Service representatives located in the Albuquerque area. These Service representatives are the Naval Weapons Evaluation Facility (NWEF), Kirtland Air Force Base, for the Navy; the Air Force Weapons Laboratory (AFWL), Air Force Special Weapons Center (AFSWC), and Directorate of Nuclear Safety (DNS), all also of Kirtland Air Force Base, for the Air Force; and the Army Materiel Command Field Office (AMCFO), Sandia Base, for the Army.

6. DRAAG. This group reviews Sandia Laboratories (both Albuquerque and Livermore) reports on all major programs. This action serves two purposes in that it is a medium for reviewing at specified times the status of each atomic weapon program, and it provides for notification of AEC, DASA, and the Services of development activities.

7. Publication of HQDASA-48M (formerly HQDASA-48). This report, entitled Nuclear Weapons Characteristics Report, is published annually and distributed to AEC and DOD agencies having a need to know for atomic weapon information. The report shows the current status of each weapon under development.

8. Publication of HQDASA-49M (formerly HQDASA-49). This report, entitled Nuclear Weapons Development Report, is published annually and gives an account of weapons in the research and feasibility stage.

9. Publication of HQDASA-50M. This report, entitled Nuclear Weapons Advanced Development Report, is published annually and contains specific scientific and technical details of the research and test activities of the AEC laboratories. Distribution is extremely limited due to the sensitivity of the information contained in the report. During this reporting period, DASA Instruction 03204.1C, 17 April 1970, suspended publication of this report.

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10. Publication of Nuclear Weapon Warhead System Data Chart. This document, published annually, contains information extracted from the HQDASA-48M Report and silhouettes of applicable bombs and missiles. During this period it was determined that there is no longer a need for this document. All information formerly contained therein will be incorporated in the HQDASA-48M Report.

11. Normal Correspondence. In addition to the above listed procedures and publications, the Research and Development Liaison Directorate gives guidance to the AEC and its contractors on any problems, and furnishes information to the Services, through the more conventional means of letters, memoranda, and other reports.

III. (U) ORGANIZATION.

A. Administrative Organization. The organization of the Research and Development Liaison Directorate remains the same as described in the previous history. (See Organization Chart, page .)

B. Personnel Strengths. As of 30 June, the Research and Development Liaison Directorate personnel strengths were as follows:

1. Authorized Strength:

	Officers	Enlisted	Civilians	Total
Army	18	1	-	19
Navy	13	1	-	14
Air Force	20	3	-	23
Civilian	-	-	18	18
Total	51	5	18	74

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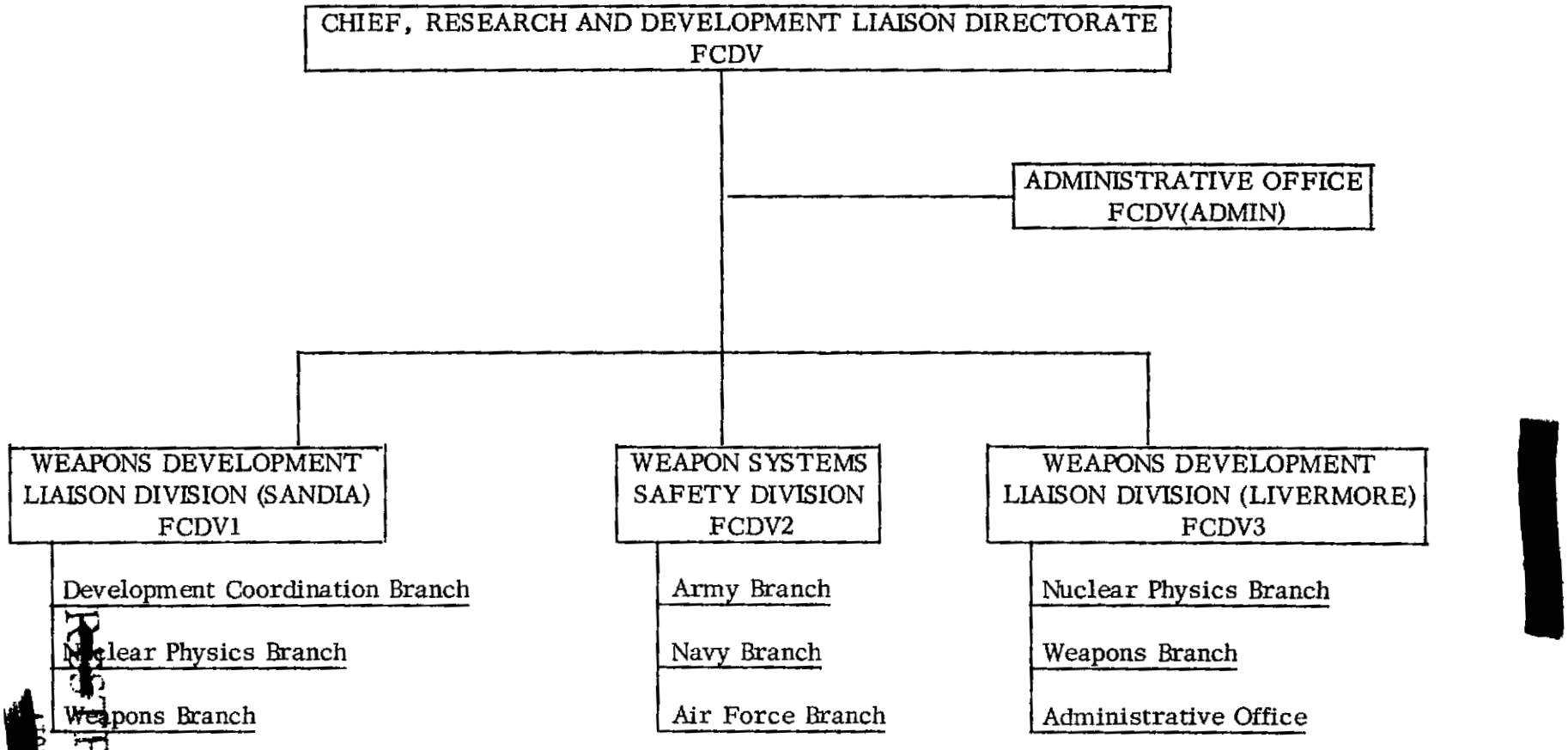

(U) ORGANIZATION CHART

229

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2. Actual Strength:

	Officers	Enlisted	Civilians	Total
Army	17	0	-	17
Navy	13	1	-	14
Air Force	22	3	-	25
Civilian	-	-	17	17
Total	52	4	17	73

IV. (U) PERSONNEL. Key personnel on duty in the Research and Development Liaison Directorate during the period of this report include the names given below, along with the date of the individual's assignment to DASA in the right-hand column:

A. Office of the Chief, Research and Development Liaison Directorate.

Col Charles R. Carson — 6 Dec 65
Chief, Development Division, Development Evaluation Group, 13 Dec 65 - 31 May 67; Chief, Weapons Development Liaison Division (Sandia), Research and Development Liaison Directorate, 1 Jun - 31 Jul 67; Chief, Weapon Systems Safety Division, 1 Aug 67 - 24 May 68; Chief, Research and Development Liaison Directorate, since 25 May 68.

Lt Col William E. McGlynn — 18 Jul 67
USAF, Staff Scientist, Weapons Development Liaison Division (Sandia), 9 Oct 67 - 23 May 68; Executive Assistant, Research and Development Liaison Directorate, since 24 May 68.

B. Administrative Office.

MAJ Patricia A. LeBeau — 3 Mar 69
USA, Administrative Officer, since 4 Mar 69.

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C. Weapons Development Liaison Division (Sandia).

COL Buren R. Shields, Jr. USA, Chief, Weapons Development Liaison Division (Sandia), since 20 Jun 69.	17 Jun 69

1. Development Coordination Branch.

CDR Jamieson K. Deuel Technical Liaison Officer (TLNO), Strategic Weapons Branch, 1 Oct 68 - 30 Apr 69; Chief, Development Coordination Branch, Training Status, 1 May - 30 Jun 69; Chief, Development Coordination Branch, 1 - 21 Jul 69; Research and Development Liaison Officer, 22 Jul 69 - 27 Apr 70; Chief, Development Coordination Branch, since 28 Apr 70.	1 Oct 68
Maj Harlan K. Bruner TLNO, Weapons III Branch, Development Division, 13 Jul 66 - 31 May 67; Development Engineer, Technical Support Branch, Weapons Development Liaison Division (Sandia), 1 Jun 67 - 30 Apr 69; Development Engineer, Development Coordination Branch, Weapons Development Liaison Division (Sandia), 1 May 69 - 16 Jun 70.	8 Jul 66
Maj Quincy C. Shores Development Engineer Special, Training Status, 8 - 16 Jun 70; Development Engineer Special, since 17 Jun 70.	8 Jun 70
CPT John A. Traylor USA, TLNO, Technical Support Branch, Training Status, 24 Jun - 18 Jul 68; TLNO, Technical Support Branch, 19 Jul 68 - 30 Apr 69; Nuclear Physicist, Development Coordination Branch, since 1 May 69.	21 Jun 68

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Miss Mary E. Reynolds, Technical Editor, Technical Support Branch, 11 Sep 67 - 30 Apr 69; Technical Publications Editor, Development Coordination Branch, since 1 May 69.	5 Jun 51

2. Nuclear Physics Branch.

Lt Col James O. Alderman USAF, Chief, Nuclear Physics Branch, since 24 Jun 70.	24 Jun 70
Lt Col Edward P. Mazak, Jr. USAF, TLNO, Weapons II Branch, Development Division, 22 Jul 66 - 31 May 67; TLNO, Strategic Weapons Branch, Weapons Development Liaison Division (Sandia), 1 Jun 67 - 30 Apr 69; Chief, Nuclear Physics Branch, Weapons Development Liaison Division (Sandia), Training Status, 1 May - 4 Jun 69; Chief, Nuclear Physics Branch, Weapons Development Liaison Division (Sandia), 5 Jun 69 - 15 Jun 70.	22 Jul 66
CPT Richard A. Klammer , Ord C, USA, Nuclear Development Officer, Nuclear Branch, 28 Nov 67 - 10 Jun 68; Nuclear Weapons Effects Officer, Nuclear Branch, 11 Jun 68 - 30 Apr 69; Nuclear Physicist, Nuclear Physics Branch, since 1 May 69.	5 Oct 67
MAJ James R. Tichenor, III , Ord C, USA, Nuclear Physicist, Nuclear Branch, Training Status, 12 Sep - 16 Dec 68; Nuclear Physicist, Nuclear Branch, 17 Dec 68 - 30 Apr 69; Nuclear Physicist, Nuclear Physics Branch, since 1 May 69.	12 Sep 68
Maj Robert G. Henning Nuclear Research Officer, Nuclear Branch, 16 Dec 68 - 30 Apr 69; Nuclear Research Officer, Nuclear Physics Branch, since 1 May 69.	13 Dec 68

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Maj Darrell G. Martin 20 Jan 69
Nuclear Physicist, Nuclear Branch, 17 Feb - 30 Apr 69; Nuclear Physicist, Nuclear Physics Branch, since 1 May 69.

LCDR James M. McCulloch 18 Jan 69
Nuclear Development Liaison Officer, Nuclear Branch, 21 Jan - 30 Apr 69; Nuclear Physicist, Nuclear Physics Branch, since 1 May 69.

LTJG Dennis C. Parzyck Nuclear 29 May 69
Physicist, Training Status, 2 Jun - 3 Jul 69; Physicist, since 4 Jul 69.

ENS Lawrence J. Smith . Physicist, 29 May 70
Training Status, since 1 Jun 70

Maj Kenneth L. Gilbert 31 Aug 69
Physicist, Training Status, 3 Sep - 19 Dec 69; Physicist, since 20 Dec 69.

CPT Michael L. Elkins Ord C, 17 Sep 69
USA, Nuclear Physicist, since 19 Sep 69.

MAJ Joseph D. Keyes IN, USA, 14 Feb 70
Physicist, since 16 Feb 70.

3. Weapons Branch.

CDR William M. Place Chief, 18 Jul 69
Development Coordination Branch, 22 Jul 69 - 27 Apr 70; Chief, Weapons Branch, since 28 Apr 70.

LTC Robert D. Resley 23 Jul 67
TLNO, Technical Support Branch, 26 Jun 67 - 31 May 68; Nuclear Weapons Effects Officer, Technical Support Branch, 1 Jun 68 - 31 Mar 69; Chief, Tactical and Air Defense Weapons Branch, 1 - 30 Apr 69; Chief, Weapons Branch, 1 May 69 - 27 Apr 70.

Maj Robert E. Olson 20 Feb 67
TLNO, Weapons III Branch, Development Division, Training Status, 21 Feb - 31 May 67;

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TLNO, Tactical and Air Defense Weapons Branch, Weapons Development Liaison Division (Sandia), Training Status, 1 Jun - 25 Aug 67; TLNO, Tactical and Air Defense Weapons Branch, Weapons Development Liaison Division (Sandia), 26 Aug 67 - 30 Apr 69; Research and Development Liaison Officer, Weapons Branch, 1 May 69 - 24 Jun 70.	
MAJ Richard C. Dean TLNO, Technical Support Branch, 12 Jun 67 - 18 Jul 68; TLNO, Tactical and Air Defense Weapons Branch, 19 Jul 68 - 30 Apr 69; Research and Development Liaison Officer, Weapons Branch, since 1 May 69.	12 Jun 67
MAJ Chester G. Ross, Jr. USA, Research Analyst, Development Coordination Branch, 25 Sep 69 - 13 Apr 70; Research and Development Liaison Officer, Weapons Branch, Training Status, since 13 Apr 70.	25 Sep 69
LCDR Arthur S. Garretson TLNO, Tactical and Air Defense Weapons Branch, 27 Aug - 13 Oct 68; TLNO, Technical Support Branch, 14 Oct 68 - 30 Apr 69; Research and Development Liaison Officer, Development Coordination Branch, 1 May - 1 Sep 69; Research and Development Liaison Officer, Weapons Branch, since 2 Sep 69.	23 Aug 68
Maj Donald G. Bruckner USAF, TLNO, Air Force Safety Branch, Weapon Systems Safety Division, 15 Aug 68 - 12 Nov 69; Development Engineer Special, Weapons Branch, Weapons Development Liaison Division (Sandia), Training Status, 13 Nov 69 - 14 Apr 70; Development Engineer Special, Weapons Branch, Weapons Development Liaison Division (Sandia), since 15 Apr 70.	15 Aug 68

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LCDR Thomas A. Anderson TLNO, Weapons I Branch, Development Division, 27 Oct 66 - 31 May 67; Delivery Systems Officer, Strategic Weapons Branch, Weapons Development Liaison Division (Sandia), 1 Jun 67 - 1 May 68; TLNO, Tactical and Air Defense Weapons Branch, Weapons Development Liaison Division (Sandia), 2 May 68 - 30 Apr 69; Research and Development Liaison Officer, Weapons Branch, since 1 May 69.	20 Oct 66
MAJ John R. Sutherland, Jr. USA, Weapon Systems Safety Officer, Army Branch, Weapon Systems Safety Division, 14 Apr - 31 May 67; Technical Operations Officer, Army Branch, Weapon Systems Safety Division, 1 Jun 67 - 31 Jul 68; TLNO, Tactical and Air Defense Weapons Branch, Weapons Development Liaison Division (Sandia), 1 Aug 68 - 30 Apr 69; Research and Development Liaison Officer, Weapons Branch, 1 May 69 - 14 Apr 70.	14 Apr 67
Maj John V. Hawkins Development Engineer, Strategic Weapons Branch, 1 - 30 Apr 69; Development Engineer, Weapons Branch, since 1 May 69.	30 Mar 69
CPT Charles L. Moore Research and Development Liaison Officer, Training Status, 5 Jan - 14 Apr 70; Research and Development Liaison Officer, since 15 Apr 70	30 Dec 69
Maj Conley G. Defferding USAF, Systems Analysis Officer, Systems Analysis Branch, Evaluation Division, Training Status, 28 Feb - 4 Mar 66; Systems Analysis Officer, Systems Analysis Branch, Evaluation Division, 5 Mar 66 - 31 May 67; TLNO, Strategic Weapons Branch, Weapons Development Liaison Division (Sandia), 1 Jun 67 - 30 Apr 69; Research and Development Officer, Weapons Branch, 1 May 69 - 8 Jun 70.	28 Feb 66

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Capt James J. Chancellor USAF, Research and Development Liaison Officer, Training Status, 13 - 22 Oct 69; Research and Development Liaison Officer, 23 Oct 69 - 12 Apr 70; On leave, 13 Apr - 13 Jun 70; Research and Development Liaison Officer, since 14 Jun 70.	11 Oct 69
Maj Francis C. Cobb Development Engineer Special, Training Status, 12 Mar - 24 Jun 70; Development Engineer Special, since 25 Jun 70.	12 Mar 70
Capt Paul D. Smith Research and Development Liaison Officer, since 11 Jun 70.	10 Jun 70

D. Weapon Systems Safety Division.

Col Raymond H. Gilbert, Jr. USAF, Chief, Air Force Branch, 1 Aug 67 - 24 May 68; Chief, Weapon Systems Safety Division, since 25 May 68.	1 Jul 67

1. Army Safety Branch.

LTC Glenn W. Knauer Chief, Army Safety Branch, since 27 Oct 67.	27 Oct 67
LTC David E. Herzog, 199-24-1369, Ord C, USA, TLNO, since 18 Jul 69.	15 Jul 69

2. Navy Safety Branch.

CDR George M. Bell, 326240, USN, Chief, Engineering and Components Branch, Evaluation Division, Development Evaluation Group, Training Status, 11 - 31 Aug 64; Chief, Engineering and Components Branch, Evaluation Division, Development Evaluation Group, 1 Sep 64 - 26 Aug 65; Chief, Weapons	5 Aug 64

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II Branch, Development Division, Development Evaluation Group, 27 Aug 64 - 31 May 67; Assistant Chief, Technical Support Branch, Weapons Development Liaison Division (Sandia), 1 - 30 Jun 67; Chief, Navy Safety Branch, Weapon Systems Safety Division, 1 Jul 67 - 1 Jul 70.

CDR Searle W. Woods — Weapon — 15 Sep 65
Systems Safety Officer, 11 Apr 66 - 31 May 67; TLNO, 1 Jun 67 - 1 Mar 70.

CDR Bennie L. Corley — TLNO, — 21 Mar 70
since 23 Mar 70.

CDR Leonard M. Meier — TLNO, — 28 Nov 69
since 27 Oct 69.

CDR John I. Keener — TLNO,
Training Status, 15 Dec 69 - 1 Mar 70; TLNO, since 2 Mar 70.

3. Air Force Safety Branch.

Lt Col Donald D. Kaynor — 25 Oct 68
USAF, Chief, Air Force Branch, since 25 Oct 68.

Maj Gerald L. Hitt — 4 Jan 67
Weapon Systems Safety Officer, 16 Jan - 31 May 67; Development Engineer Special, since 1 Jun 67.

E. Weapons Development Liaison Division (Livermore).

CDR Howard M. Puckett — Nuclear — 19 Oct 64
Liaison Officer, Physics Branch, 19 Oct 64 - 31 May 67; TLNO, Physics Branch, 1 Jun - 1 Sep 67; Chief, Physics Branch, 2 Sep 67 - 30 Apr 69; Chief, Nuclear Physics Branch, 1 May 69 - 1 Mar 70; Chief, Livermore Division, since 2 Mar 70.

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CAPT James L. McDonnel — Chief, Livermore Division, Training Status, 14 Aug - 9 Oct 67; Chief, Livermore Division, 10 Oct 67 - 1 Mar 70. — 14 Aug 67

1. Nuclear Physics Branch.

Lt Col Henry W. Parlett — USAF, Nuclear Research Officer, Physics Branch, 23 Jul 67 - 30 Apr 69; TLNO, Nuclear Physics Branch, 1 May 69 - 1 Mar 70; Chief, Nuclear Physics Branch, 2 Mar - 1 Jul 70. — 24 Jul 67

MAJ Roland D. Fenton — Physicist, Physics Branch, Training Status, 19 Jun - 17 Jul 67; Physicist, Physics Branch, 18 Jul 67 - 30 Apr 69; Nuclear Physicist, Nuclear Physics Branch, 1 May 69 - 13 Jun 70. — 19 Jun 67

Lt Col Paul S. Duletsky — Liaison Officer, Physics Branch, 25 Oct 68 - 30 Apr 69; Liaison Officer, Nuclear Physics Branch, since 1 May 69. — 25 Oct 68

CPT Nicholas Barron — Physicist, Physics Branch, Training Status, 21 Jan - 30 Apr 69; Physicist, Nuclear Physics Branch, Training Status, 1 - 23 May 69; Nuclear Physicist, Nuclear Physics Branch, since 24 May 69. — 14 Jan 69

Capt Richard D. Chronister, Jr. — USAF, Development Engineer Special, since 31 Oct 69. — 31 Oct 69

1LT Edwin N. Ladov — Nuclear Physicist, since 3 Feb 70. — 3 Feb 70

Capt Wendell J. Meyerer — Development Engineer Special, since 30 Jan 70. — 30 Jan 70

Maj Barnes E. Holder — Nuclear Research Officer, Training Status, since 24 Jun 70. — 24 Jun 70

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2. Weapons Branch.

LTC William L. Daugherty USA, Chief, Weapons Branch, Training Status, 23 Apr - 9 Jul 68; Chief, Weapons Branch, since 10 Jul 68.	23 Apr 68
LTC Franklin M. Hungerford USA, Technical Operations Officer, Training Status, 28 Jun - 24 Jul 67; Technical Operations Officer, 25 Jul 67 - 30 Apr 69; Research and Development Liaison Officer, since 1 May 69.	28 Jun 67
LCDR William B. Shirley Training Status, 20 Mar - 24 Apr 67; TLNO, 25 Apr - 31 May 67; Weapons Technical Officer, since 1 Jun 67.	20 Mar 67
MAJ William V. Murry Research and Development Liaison Officer, Training Status, 22 - 26 Jul 69; Research and Development Liaison Officer, since 27 Jul 69.	22 Jul 69
Capt Richard A. Rene Liaison Officer, Training Status, 10 Feb - 1 Aug 67; Liaison Officer, 2 Aug 67 - 30 Apr 69; Development Engineer Special, since 1 May 69.	10 Feb 67
Maj Charles R. Benton Development Engineer Special, Training Status, since 4 May 70.	4 May 70
LCDR Edward R. Horton Weapons Technical Officer, since 22 Nov 67.	

3. Administrative Office.

Capt Russell C. Webster USAF, Administrative Officer, Livermore Division, Training Status, 23 Apr - 31 Jul 69; Administrative Officer, Livermore Division, since 1 Aug 69.	23 Apr 69

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V. (U) ACTIVITIES.

A. (U) In addition to regular assignments to Divisions of the Research and Development Liaison Directorate, personnel participated in various boards, committees, panels, and project officer meetings as follows:

1. (U) Feasibility Study Groups (Phase 2). The following study group consists of representatives of AEC and DOD development agencies and was established to study the feasibility of undertaking a particular weapon development. Field Command, DASA (Research and Development Liaison Directorate), provides the chairman for the group.

a. (U) Phase 2 Feasibility Study of a Warhead for the Air-Launched Intercept Missile (AIM)-54A (PHOENIX). This study group met on 26 and 27 May for the purpose of determining the feasibility of developing a nuclear warhead for the AIM-54A (PHOENIX) missile system. The draft report of the meeting has been forwarded to the attendees for coordination and comment. The final report will be published in the near future.

COL Buren R. Shields, Jr., USA, Chairman -- since 26 May
LCDR Thomas A. Anderson, USN -- since 26 May

2. (U) Project Officers (Phase 3). The following project officers are assigned to represent the Commander, Field Command, DASA, for projects as indicated. Field Command, DASA, project officers meet with representatives from AEC and DOD development agencies to coordinate the development of a particular weapon with its carrier or carriers, as appropriate.

a. [redacted] MINUTEMAN (Mk 11A and Mk 12A Re-entry Vehicles (R/V's)).

Capt Richard A. Rene, USAF
Maj Harlan K. Bruner, USAF -- to 16 Jun
CDR Jamieson K. Deuel, USN -- since 17 Jun

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b. (U) Mk 28 Full Fuzing Internal (FI).

Maj Robert Olson, USAF -- to 24 Jun
Maj Donald G. Bruckner, USAF -- since 25 Jun

c. [redacted] TITAN II (Mk 6 R/V).

Capt James J. Chancellor, USAF -- to 13 Apr
Maj Francis C. Cobb, USAF -- since 14 Apr

d. (U) Special Atomic Demolition Munition (SADM) (formerly Atomic Demolition Munition).

MAJ Richard C. Dean, USA

e. (U) NIKE HERCULES.

MAJ John R. Sutherland, Jr., USA -- to 14 Apr
CPT Charles L. Moore, USA -- since 15 Apr

f. (U) TALOS-W.

LCDR Thomas A. Anderson, USN

g. (U) LITTLEJOHN.

LTC Franklin M. Hungerford, USA
CPT John A. Traylor, USA

h. (U) HONEST JOHN.

MAJ John R. Sutherland, Jr., USA -- to 14 Apr
CPT Charles L. Moore, USA -- since 15 Apr

i. (U) TERRIER.

LTC Franklin M. Hungerford, USA
CPT John A. Traylor, USA

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j. SPRINT.

MAJ John R. Sutherland, Jr., USA -- to 14 Apr
CPT Charles L. Moore, USA -- since 15 Apr

k. (U) Antisubmarine Rocket (ASROC).

LCDR Thomas A. Anderson, USN

l. (U) Antisubmarine Torpedo (ASTOR).

LCDR Thomas A. Anderson, USN

m. (U) Submarine Rocket (SUBROC).

LCDR William B. Shirley, USN
CDR Jamieson K. Deuel, USN

n. (U) AGM28A/28B (HOUNDDOG).

Maj Robert E. Olson, USAF -- to 24 Jun
Maj Francis C. Cobb, USAF -- since 25 Jun

o. (U) POLARIS Re-entry Body (R/B).

LCDR William B. Shirley, USN
CDR Jamieson K. Deuel, USN

p. (U) Interceptor Missile (IM)-10B (formerly IM-99 (BOMARC)).

Maj Conley G. Defferding, USAF -- to 8 Jun
Maj Francis C. Cobb, USAF -- since 9 Jun

q. (U) Atomic Demolition Munition (ADM). This project has been combined with the SADM. See d. above.

r. (U) SERGEANT.

MAJ John R. Sutherland, Jr., USA -- to 14 Apr
CPT Charles L. Moore, USA -- since 15 Apr

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s. (U) CGM-13B/MACE.

Maj Robert E. Olson, USAF -- to 24 Jun
Maj Francis C. Cobb, USAF -- since 25 Jun

t. (U) PERSHING.

MAJ John R. Sutherland, USA -- to 14 Apr
CPT Charles L. Moore, USA -- since 15 Apr

u. (U) B-57.

Maj Robert E. Olson, USAF -- to 24 Jun
Maj Donald G. Bruckner, USAF -- since 25 Jun

v. (U) Mk 43.

Maj Robert E. Olson, USAF -- to 24 Jun
Maj Donald G. Bruckner, USAF -- since 25 Jun

w. (U) LANCE.

LTC Franklin M. Hungerford, USA
MAJ Chester G. Ross, Jr., USA -- to 13 Apr
CPT John A. Traylor, USA -- since 14 Apr

x. (U) F-111 Aircraft Project Officer.

LCDR Arthur S. Garretson, USN -- to 8 Jun
Maj Quincy C. Shores, USAF -- since 9 Jun

y. (U) F-4 Aircraft Project Officer.

LCDR Arthur S. Garretson, USN -- to 8 Jun
Maj Quincy C. Shores, USAF -- since 9 Jun

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z. (U) B-61.

Maj Robert E. Olson, USAF -- to 24 Jun
Maj Francis C. Cobb, USAF -- since 25 Jun

aa. (U) B-52 Aircraft Project Officer.

Maj Conley G. Defferding, USAF -- to 8 Jun
Maj Quincy C. Shores, USAF -- since 9 Jun

bb. (U) SPARTAN.

MAJ William V. Murry, USA
CPT John A. Traylor, USA

cc. (U) Mk 3 R/B.

LCDR William B. Shirley, USN
CDR Jamieson K. Deuel, USN

dd. (U) AGM-69A Short Range Attack Missile (SRAM).

Maj Conley G. Defferding, USAF -- to 8 Jun
Maj Francis C. Cobb, USAF -- since 9 Jun

ee. (U) Mk 41.

LTC William L. Daugherty, USA
MAJ Chester G. Ross, Jr., USA -- to 13 Apr
CPT John A. Traylor, USA -- since 14 Apr

ff. (U) Mk 49.

Capt James J. Chancellor, USAF -- to 13 Apr
MAJ Chester G. Ross, Jr., USA -- since 14 Apr

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gg. (U) BA72/WALLEYE.

Maj Robert E. Olson, USAF -- to 24 Jun
Maj Donald G. Bruckner, USAF -- since 25 Jun

hh. (U) W73/CONDOR.

LCDR Arthur S. Garretson, USN

ii. (U) W74/XM517 Improved 155 mm Nuclear Projectile.

MAJ Richard C. Dean, USA

3. (U) Aircraft Monitor and Control (AMAC) Study Group. AMAC project officers from AEC; SLA; and SLL; AFWL; NWEF; and Field Command, DASA, monitor the design of AMAC equipment, which is designed by SLA and SLL, but procured by the Military Services.

Maj Harlan K. Bruner, USAF -- to 16 Jun
Maj Quincy C. Shores, USAF -- since 17 Jun

4. (U) Prescribed Action Link (PAL) and Permissive Arming and Protective System (PAPS). During this period, personnel of the Research and Development Liaison Directorate continued to monitor PAL/PAPS developments.

Maj Harlan K. Bruner, USAF -- to 16 Jun
Maj Quincy C. Shores, USAF -- since 17 Jun

5. (U) Nuclear Weapons 463L Cargo Handling System Compatibility Study. Headquarters, USAF, requested that Field Command, DASA, become system managers of a study to determine nuclear weapons compatibility with the 463L system. Field Command, DASA, requested assistance from AEC (SLA and SLL) to perform this study. SLA and SLL will perform the study under a scope-of-work agreement which will be funded by the U.S. Air Force. The participation of Field Command, DASA, in this program became inactive during this period.

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Maj Harlan K. Bruner, USAF -- to 16 Jun

6. (U) Parachute Interface Committee. This committee was established to coordinate interface between Air Force produced parachutes and AEC produced bombs.

Maj Harlan K. Bruner, USAF -- to 16 Jun
Maj Quincy C. Shores, USAF -- since 17 Jun

7. (U) Radioactivity Detection, Indication, and Computation (RADIAC) Working Group (DOD). This group, composed of representatives from the three Services; Headquarters, DASA; and Field Command, DASA, monitors Service RADIAC developments to avoid duplication of research and development effort and to combine procurement requirements.

CPT Richard A. Klammer, USA

8. (U) Field Command RADIAC Instrument Project Group. This group was established to review the Field Command, DASA, requirements for RADIAC instruments to insure, by liaison with Service and various civilian agencies, that DASA is equipped with the best RADIAC instruments that the state-of-the-art can produce.

CPT Richard A. Klammer, USA, Chairman

9. (U) AL Committee on Weapons Criticality. The purpose of this committee is to advise the Manager, AEC Albuquerque Operations (ALO) and organizations within the AEC weapons complex regarding criticality and associated safety considerations involving atomic weapons and weapons components.

LCDR James M. McCulloch, USN

10. (U) Survivability Vulnerability Working Group. This working group was established at Aeronautical Systems Division (ASD), Wright-Patterson Air Force Base, Ohio, to assess the vulnerability of aircraft systems. Members of the group are from AFWL; AFSWC; ASD, Air Force Systems Command (AFSC), Andrews Air Force Base, Maryland; and DASA:

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Maj Darrell G. Martin, USAF
Maj Kenneth L. Gilbert, USAF

11. (U) Nuclear Weapons Systems Safety Group (NWSSG). This group is chaired by DNS of the Air Force, and is composed of representatives from each major Air Force Command; AEC; and Field Command, DASA. The group was established for the purpose of studying safety aspects to insure adherence to DOD safety standards of nuclear weapons for which the Air Force has a responsibility.

Lt Col Donald D. Kaynor, USAF, Principal
Maj Gerald L. Hitt, USAF, Alternate
Col Raymond H. Gilbert, Jr., USAF, Alternate

12. (U) Navy Nuclear Weapons Systems Safety Study Group. This group was established for the purpose of conducting formal studies on the safety aspects of Navy and Marine Corps weapon systems having a nuclear capability. Its membership as established by CNO Instruction 8020.9A is composed of representatives from both Fleets, the NWEF, Operational Test and Evaluation Force, DASA, and AEC, and may include the Marine Corps, Army, and/or Air Force when appropriate.

CDR George M. Bell, USN, Principal -- to 1 Jul
CDR Searle W. Woods, USN, Alternate -- to 1 Mar
CDR John I. Keener, USN, Alternate
CDR Leonard M. Meier, USN, Alternate
CDR Bennie L. Corley, USN, Alternate -- since 23 Mar

13. (U) U.S. Army Nuclear Weapons Systems Safety Committee (NWSSC). This committee is chaired by the U.S. Army Materiel Command (USAMC), Washington, D.C., and works in close cooperation with the Office Chief Research and Development (OCRD), DA. The purpose of the committee is to study the design and STS's, prior to the operational availability date (OAD), of Army atomic weapons, to insure adherence to DOD safety standards.

LTC Glenn W. Knauer, USA, Principal
LTC David E. Herzog, USA, Alternate

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14. (U) U.S. Army Nuclear Weapon Systems Surety Group (USANWSG). This group, under the jurisdiction of the Assistant Chief of Staff for Force Development, DA, is located at Fort Belvoir, Virginia. The group was established to follow the safety aspects of Army nuclear weapon systems during their operational phases, commencing with the OAD.

LTC Glenn W. Knauer, USA, Principal
LTC David E. Herzog, USA, Alternate

15. (U) Field Command Library Board. The function of this board is to review lists of new technical publications and determine which of these publications should be purchased for the Field Command library.

MAJ James R. Tichenor, III, USA

16. (U) Army Enlisted Promotion Board. This board is organized to review recommendations and qualifications of eligible personnel for appointment to the temporary grades of E5, E6, and E7.

MAJ Richard C. Dean, USA

17. (U) Military Decorations and Awards Board. A Field Command, DASA, board organized to review all recommendations for decorations which are submitted to Headquarters, Field Command, DASA, and to submit recommendations for appropriate action to the Commander, Field Command.

Col Raymond H. Gilbert, Jr., USAF
Lt Col Edward P. Mazak, Jr., USAF, Alternate -- to 15 Jun
COL Buren R. Shields, Jr., USA, Alternate -- since 16 Jun

18. (U) Air Force General Courts Martial Board. A military board organized for the purpose of trying any cases which might be brought before it.

Col Charles R. Carson, USAF
Lt Col Edward P. Mazak, Jr., USAF -- to 15 Jun

19. (U) Army Special Court Martial Board. A military board organized for the purpose of trying any cases which might be brought before it.

MAJ John R. Sutherland, Jr., USA -- to 14 Apr
MAJ Patricia A. LeBeau, USA

20. (U) Headquarters, Field Command, DASA, Incentive Awards Committee. This committee was organized for the purpose of considering civilian and military suggestions for appropriate awards; honorary recognition of exceptional and meritorious service; recommendations for awards based on sustained superior performance of duties.

MAJ Patricia A. LeBeau, USA

21. (U) E8, E9 Personal Interview Appraisal Board. This board, composed of Naval officers assigned to Field Command, DASA, is organized for the purpose of selecting enlisted candidates for promotion to E8 and E9 grades.

LCDR Thomas A. Anderson, USN

22. (U) Naval Administrative Unit (NAU) Fund Council. This council governs the expenditure of NAU fund monies.

LCDR Arthur S. Garretson, USN

23. (U) Survivor Assistance and Casualty Notification Officer (formerly Next of Kin Notification Officers and Survivor Assistance Officers). On 1 January these two groups of U.S. Army officers assigned to Sandia Base were combined into one group to perform the service of making personal notification and rendering appropriate assistance to the next of kin of deceased Army personnel.

MAJ Chester G. Ross, Jr., USA -- since 1 Jan

24. (U) DASA Nuclear Emergency Team (DASA NET). This team is to be responsible for investigating any nuclear weapons or nonweapons radiological accidents which may occur.

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Col Charles R. Carson, USAF
Col Raymond H. Gilbert, Jr., USAF
COL Buren R. Shields, Jr., USA

25. (U) Board of Governors of the Sandia Base Officers' Mess. This board, elected by the membership of the Sandia Base Officers' Mess, is charged with responsibility for formulating policies to be followed relating to club management.

Maj Robert E. Olson, USAF -- 1 Jan - 24 Jun

26. (U) Field Command, DASA, Livermore Unit Fund Council. This unit fund council was established to administer expenditure of funds for recreational facilities and activities to be allotted to Field Command, DASA, personnel stationed at Livermore, California.

Lt Col Henry W. Parlett, USAF, President -- to 1 Jul
LCDR Edward R. Horton, USAF
SSGT David R. Pyle, USAF
Capt Russell C. Webster, USAF, Custodian

27. (U) Cost Reduction Monitor. In accordance with the provisions of Field Command, DASA, Instruction 7720.3, a Cost Reduction Monitor was appointed to act as a focal point within the Research and Development Liaison Directorate for execution of the cost reduction program.

Lt Col William E. McGlynn, USAF

28. (U) Atomic Museum Classification Committee. A Field Command, DASA, committee established 17 June to review materials which may be presented or displayed in the Sandia Base Atomic Museum, to assure that no classification rules or regulations will be violated.

Maj John V. Hawkins, USAF -- since 17 Jun

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29. (U) Executive Committee, DASA Electromagnetic Pulse (EMP) Working Group. The DASA EMP Working Group is composed of AEC, DOD, and industrial contractor personnel, who review DASA EMP programs and make recommendations as to the direction and scope of these programs. The appointment of a Research and Development Liaison Directorate representative to the Executive Committee was made on or about 15 May.

Capt Richard D. Chronister, Jr., USAF, Secretary -- since 15 May

30. (U) Duty and Travel Restrictions Committee. The purpose of this Field Command, DASA, committee is to determine individuals upon whom duty and travel restrictions should be imposed.

Lt Col Harlan K. Bruner, USAF -- to 16 Jun
Maj Quincy C. Shores, USAF -- since 17 Jun

31. (U) Human Relations Council. This council, composed of selected Naval junior officers and enlisted personnel assigned to Sandia Base, was organized on 14 May for the purpose of serving as a focal point for transmitting to Naval commanders ideas, grievances, and concerns and to clarify for all hands the policies and programs stemming from upper echelons.

LTJG Dennis C. Parzyck, USN -- since 14 May

32. (U) Metric Committee. In accordance with instructions from Headquarters, DASA, on 31 March the Research and Development Liaison Directorate was requested to nominate a member to serve on the Field Command Metric System Committee. This committee was directed to consolidate reports from Field Command, DASA, staff activities regarding the cost impact which would result from conversion to the metric measurement system. The Research and Development Liaison Directorate report was forwarded to the committee on 27 April. The consolidated Field Command, DASA, report was forwarded to Headquarters, DASA, on 20 May.

MAJ Joseph D. Keyes, USA -- 31 Mar - 20 May

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B. (U) For a detailed history of the weapons monitored by the Research and Development Liaison Directorate, reference to the following reports is recommended:

1. Sandia Laboratories Reports.

Sandia Laboratories Quarterly Report, Weapon Development Programs, October - December 1969, SC-PR-69-790, FC01700604
Sandia Laboratories Quarterly Report, Weapon Development Programs, January - March 1970, SC-PR-70-188, FC04700923

2. LASL Reports.

Program Status, October - December 1969, DIR-2195, FC12690815
Program Status, January - March 1970, DIR-2203, FC03700952

3. LRL Reports.

December 1969 -- UCRL-50000-69-12, FC12690784
January 1970 -- UCRL-50000-70-1, FC01700793
February 1970 -- UCRL-50000-70-2, FC02700787
March 1970 -- UCRL-50000-70-3, FC03700946
April 1970 -- UCRL-50000-70-4, FC04701110

4. Research and Development Liaison Directorate Reports.

Nuclear Weapons Characteristics Report (U), HQDASA-48M, Issue 48, 1 February 1970, FC02700344
Nuclear Weapons Development Report (U), HQDASA-49M, Issue 42, 1 March 1970

VI. (U) WEAPONS DEVELOPMENT LIAISON DIVISION (SANDIA).

A. (U) Weapon Development Activities.

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1. [redacted] W66 SPRINT.

a. Comments on Draft Amendment Number 4 to the SPRINT military characteristics were consolidated, coordinated, and forwarded to Headquarters, DASA, in February. The draft amendment was approved by the Military Liaison Committee (MLC) on 23 June. Significant changes in the amendment include revision of premature probability requirements after final arm and a revision of the yield specification. The military characteristics now require that the yield [redacted] at any time during the stockpile life. The total integrated neutron output specification remains the same.

b. One project officers meeting and eight working group meetings were attended by the Weapons Development Liaison Division (Sandia) project officer during the reporting period. The questions of tritium monitoring and safety upon supersonic ground impact of an unarmed warhead were among the problems resolved. Among the major unresolved problems are the flight test schedule for Meck Island and the question of radial EMP. There is considerable disparity between the Meck Island flight schedule proposed by SLA and the currently approved schedule; a compromise schedule will have to be formulated. [redacted] Major redesign of the fire-set was undertaken by SLA. The major changes will result in a much faster disarm time and an environmental sensing device (ESD) common to the ESD used in the SPARTAN warhead. Five test flights were attempted at White Sands Missile Range (WSMR), New Mexico. Two of the three successful flights included test warheads.

c. A significant slip in the equipment readiness date (ERD) was announced during this period. The new ERD for the first site (Grand Forks, North Dakota) is 1 October 1974.

2. [redacted] W69 SRAM. On 7 and 8 January a Field Command, DASA, representative attended the Sixth Joint Test Working Group meeting at Wright-Patterson Air Force Base. The major topic was the status of the Joint Test Unit (JTU) to be used in the Joint Flight Test Program. Cost remains the major block to development of the JTU. The Air Force and AEC reaffirmed the JTU requirement as support for reliability assessment.

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On 27 and 28 January, a project officers meeting was held at the Boeing Company, Kent, Washington, and was attended by a Field Command, DASA, representative. The first launch of a SRAM with an AEC payload was conducted successfully from a B52 aircraft on 18 February at WSMR. Field Command, DASA, arranged for a status meeting on AEC designed ground handling equipment at the request of the Lead Project Officer. The meeting was held at SLA on 25 February. The first launch of an AEC payload by an F-111 aircraft was conducted at WSMR on 8 April, after two, one-week postponements. A project officers meeting was attended by a Field Command, DASA, representative on 5 May at SLA. The Boeing Company representative discussed development problem areas determined from flight testing and adjustments to the flight test schedule. On 25 and 26 June, Field Command, DASA; Boeing Company; and SLA representatives met at SLA to discuss administrative and flight test matters. The AEC payload flight test schedule is presently under study for revision due to recent flight test problems involving wiring and possible safe arming and fuzing subsystem problems.

3. [redacted] W72 WALLEYE. The third WALLEYE project officers meeting was held in late January at Kirtland Air Force Base. Subcommittee reports were presented, and, as at the July 1969 project officers meeting, it was clear that major effort should be directed toward Navy action to build the data link and McDonnell-Douglas Astronautics Corporation action to modify the necessary F-4D's for nuclear carriage. The contract for modification of the F-4D's was finalized on 1 May, with test aircraft to be available in September 1970. As a result of this slippage, initial operational capability (IOC) for W72 WALLEYE has been changed from July 1970 to October 1970. The safe-separation timers in the W72 have been changed from [redacted] for an HE (high explosive) event and [redacted] for nuclear, to [redacted] respectively. In May, it was decided that the NWSSG will conduct two studies on the WALLEYE. The first study will be conducted in September 1970 and cover the STS up through the WALLEYE checkout at the Naval Weapons Station, Fallbrook, California. The second study by the NWSSG, scheduled for March 1971, will cover the remainder of the STS, particularly an in-depth analysis of both the F-4D aircraft and W72 warhead. Joint Test Group (JTG) meetings on WALLEYE were held during June and covered procedures and explosive ordnance disposal (EOD).

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4. [redacted] W73 CONDOR. Amendment Number 1 to the CONDOR/W73 military characteristics was approved by the MLC on 12 May and forwarded by Field Command, DASA, to interested AEC and DOD agencies. This amendment provides complete option for warhead yield selection using either the warhead manual selector or the selector at the pilot's station. The W73 IOC date, previously scheduled for December 1973, will slip one or two years from that date as a result of Navy plans to defer until about mid 1972 the decision to buy CONDOR missiles in quantity for stockpile. The AEC has tentatively revised its planning schedule to reflect an IOC about January 1975.

5. [redacted] W74/XM517 155 mm Nuclear Projectile. Military characteristics for the W74 were approved 3 February. Copies of the military characteristics were distributed by Field Command, DASA, in March. LASL was selected as the cognizant laboratory on 24 February. The warhead candidate selected for development was [redacted] The project officers group was formed; however a meeting was not held since the AEC - DOD interface had not been formalized. Field Command, DASA reviewed the Army and Navy STS's and provided comments to the respective Services. Several meetings were held between DOD - AEC - Field Command, DASA, agencies to resolve differences.

6. [redacted] Improved Atomic Demolition Munition (IADM) (formerly advanced atomic demolition munition (ADAM)). The Army has requested a Phase 3 on the IADM. The Defense Director Research and Engineering (DDRE) has not approved the request; however, Field Command, DASA, prepared draft military characteristics for the IADM and distributed them to the Service field agencies for comments, in June.

7. [redacted] Improved 8-inch Nuclear Projectiles. The Army is continuing studies on the 8-inch weapon system. Field Command, DASA, has made preliminary investigation into the feasibility of providing an earth penetrating capability for the 8-inch projectile. Results were furnished to Headquarters, DASA. LASL technology has advanced since the 1968 Phase 2 meeting to the point where it may be necessary to reopen the Phase 2 study.

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8. [redacted] Advanced Re-entry Vehicle (ARV). The ARV study contracts with the General Electric Re-entry Systems Department, Philadelphia, Pennsylvania, and the McDonnell-Douglas Astronautics Corporation, Santa Monica, California, were completed in March. Both contractors' R/V designs weighed approximately [redacted] In April, the Space and Missile Systems Organization (SAMSO) issued a request for proposal for a follow-on study program called Advanced Control Experiment (ACE), formerly called the Simple Terminal Evader program. The ACE vehicle will weigh the same as the ARV, but will have a yield of approximately [redacted] SAMSO expects to select two contractors for study contracts by 1 July 1970. Two ACE vehicles are scheduled to be flight tested in 1972. The Research and Development Liaison Directorate representative attended two technical direction meetings with each of the contractors during this period. Informal liaison was also maintained with AEC, DOD, and contractor personnel.

9. [redacted] Modified SPARTAN (formerly Improved SPARTAN). In February, the AEC was requested by DDRE to participate in a Phase 2 Feasibility Study of the Modified SPARTAN. Field Command, DASA, has previously stated that the Phase 1 data were insufficient to conduct a feasibility study. No action had been taken by the Army; therefore, during the January - February period, Field Command, DASA, prepared a study on the deficiencies of the Modified SPARTAN Phase 1 data and forwarded the study to Headquarters, DASA, for further action. Essentially, the study indicated a need for further definition and data in the areas of parameters, missions, and capabilities. Headquarters, DASA, forwarded the study to the SAFEGUARD System Manager for resolution. In April, an AEC - DOD meeting was held at Picatinny Arsenal, Dover, New Jersey, for the purpose of (1) updating the SAFEGUARD community on latest DOD positions, (2) permitting AEC to update its list of warhead candidates, (3) answering some of the Phase 1 data package deficiencies, and (4) establishing a medium to further refine Phase 1 data. This medium was the establishment of a Mini-Project Officers Group and the Electrical and Mechanical Compatibility Working Group. Headquarters, DASA; and/or Field Command, DASA, are members of each group. There were several meetings of each group during this period. In June, SAFEGUARD Systems Command (SAFSCOM) announced that the previously defined miss

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distance [redacted] This had the effect of requiring the AEC laboratories to concentrate on their larger warhead candidates. A Phase 2 study date of 17 November 1970 was established by Field Command, DASA, and announced to the AEC and DOD.

10. [redacted] PHOENIX (AIM-54A) Missile.

a. On 16 January the DDRE requested that the AEC cooperate with the DOD in a joint AEC - DOD Phase 2 Study of a Nuclear Warhead for the PHOENIX Air-to-Air Missile (AIM-54A). The letter request directed that DASA function as chairman for the study and requested that the study report be provided to DDRE prior to the end of July 1970. The request directed that, "During the conduct of the study, consideration should be given to the possible benefits and penalties which might accrue from using a common warhead for PHOENIX, AIM-47A, Surface-to-Air Missile-Development (SAM-D), and the Advanced Surface Missile System (ASMS)."

b. On 26 May, Field Command, DASA, chaired the PHOENIX (AIM-54A) Air-to-Air Intercept Missile Nuclear Warhead Phase 2 Feasibility Study. The Field Command, DASA, project officer conducted three separate meetings in preparation for the Phase 2 study meeting. The first meeting, held 6 February at Field Command, DASA, was a general information meeting attended by all Phase 2 participants. The second meeting was held 25 February at Hughes Aircraft Company, Canoga Park, California. Again, all Phase 2 participants, with the exception of AFWL (WLAA), were in attendance. At this meeting, the study group members were provided with information concerning the conventional PHOENIX missile delivery system and basic information on the AIM-47 missile. The third meeting was held to obtain information regarding Navy intentions concerning the ASMS. This meeting was held at the Naval Ordnance Laboratory (NOL), White Oaks, Silver Spring, Maryland, and was attended by representatives of the AEC laboratories concerned with nuclear PHOENIX development. The Phase 2 study final report is presently being produced by Field Command, DASA, and dependant upon the release of all signatures, will be available to DDRE prior to 31 July 1970.

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11. [redacted] Bomber Defense Missile (BDM). The BDM program has been further defined into two programs. These are the Interim BDM (IBDM) and the Short Range BDM (SRBDM).

a. The IBDM is to be used on existing B-52 aircraft and will be a modification of an existing missile, probably HOUNDDOG. The primary target of the IBDM will be the Soviet Union [redacted] If the HOUNDDOG missile is used, the IBDM will have the same warhead and range characteristics as the present HOUNDDOG. The estimated approval date for letting of the IBDM contract is 1 July 1970.

b. The SRBDM is being designed for use on the B-1 bomber and will be used against attacking fighter aircraft and ground-to-air missiles. The Raytheon Corporation is performing a six-month study on the SRBDM and is using the SRAM volume as the primary constraint. The mid term contract review meeting was attended by a Research and Development Liaison Directorate representative in February. The final report is due at ASD in July 1970. In addition to the mid term review meeting, the Research and Development Liaison Directorate representative attended several informal technical interchange meetings with AEC, AFWL, ASD, and Raytheon Corporation personnel.

12. [redacted] New Full Fuzing Option (FUFO) Bomb. An in-house Air Force pre-Phase 2 type meeting was held at Headquarters, U.S. Air Force, Washington, D.C., during this reporting period. A Field Command, DASA, representative did not attend, but the results of the meeting were obtained through contact with AFWL. As a result of this meeting, the Air Force tried to get a Phase 2 request approved for [redacted] FUFO bomb. At the last report, the new FUFO bomb request had been returned to the Strategic Air Command (SAC) for additional study.

13. [redacted] Mk 19 R/V. Development work on the Mk 19 as an R/V system was stopped during this period by DOD directive. AEC development work on a Mk 19 type warhead technology has continued. The [redacted] warhead will be feasible. The Research and Development Liaison Directorate project personnel have maintained contact with both AEC laboratories on technology developments during this period.

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14. (U) Backup Project Officers. The backup project officers, who act as the point of contact in the Albuquerque area for LRL development projects, provided general administrative assistance as well as coordination and other local support functions for the Livermore Division primary project officers. Specific major supportive services provided during the first half of 1970 included:

a. Mk 48. Coordination of correspondence on the W48-1 Final Development Report letter DRAAG which was completed on 14 April.

b. W55. Coordination of review comments for the Navy on an updated STS using a more contemporary format. The original STS consisted of two tabular figures. This action was completed in March.

c. W56-4. Coordination of correspondence for a letter DRAAG on the vulnerability and hardening (V&H) Supplement to W56-4 Final Development Report, in May and June 1970.

d. W71. Preparation and coordination was provided for a formal DRAAG on the Preliminary Development Report on the W71, held at Field Command, DASA, on 8 April.

B. (U) Associated Activities.

1. [redacted] Research and Development Liaison Directorate V&H Capability. The V&H group of the Weapons Development Liaison Division (Sandia) is continuing to provide DDST with information on complete systems rather than on the R/V - warhead only. Early this year, a letter requesting a formal review of the X ray specifications in all STS's was written in the belief that a considerable monetary saving can be realized by relaxing unnecessarily restrictive design and test standards. The request is currently being investigated by DMA. In April a briefing was held to bring the Commander, Field Command, DASA, up to date on problems and concepts in the V&H area.

a. The V&H group has supplied the Field Command, DASA, coordinator for the DASA Advanced Research Electromagnetic Pulse Simulator (ARES) facility, and a member of a United States British Joint Working

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Group, and continues to supply the Field Command, DASA, representative on the SPRINT Vulnerability and Effects Working Group. Project officers have been following development of the CADMUS program. Others have been studying the topic of R/V dispersions due to radiation blow-off. Through the V&H group, Headquarters, DASA, has been kept informed on several Air Force programs in which progress has been made in the areas of V&H. Significant contributions have also been made to Army programs dealing with dust and lethality.

b. At the Army's request, an EMP short course is currently being organized by the Nuclear Physics Branch. Many underground test planning meetings have been attended and close coordination has been maintained with the testing organizations. The V&H group has also worked closely with the underground test technical directors at AFWL. Several Headquarters, DASA, meetings and Service meetings have been attended. Many trips to Service organizations and contractors were made, to gain current V&H information. Efforts continue to get Headquarters, DASA, to define specific areas of interest where the V&H group should concentrate its investigations.

2. (U) Thermomechanical Shock, Transit Radiation Effects Electronic Systems (TREES) Symposium. On 4 - 6 March, the Research and Development Liaison Directorate sponsored the TREES symposium at Sandia Base to determine the duration, scope, and future needs of DASA-sponsored research in this area. The symposium brought together for the first time those persons from the Services, the AEC laboratories, and civilian contractors involved in thermomechanical shock research. Previous and current efforts in support of existing systems were reviewed, and subjects, including system survivability, hardness of current and future military electronics, and the need for improved electronics, were addressed. The symposium was organized in three sessions. During the first session, the Services were specifically requested to address questions posed by Headquarters, DASA, about their systems and requirements. The second and third sessions were devoted primarily to current and future technology; twenty-three papers were presented by the AEC and civilian contractors in these sessions. The minutes from the symposium, which were compiled by the Research and Development Liaison Directorate and published on 4 June, comprise the only published document to give comprehensive coverage to the research activities of those studying thermomechanical shock.

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3. (U) LASL Liaison. Research and Development Liaison Directorate personnel were in continuous contact with personnel from LASL. The liaison visits to LASL were necessary to maintain an expertise in LASL weapon programs currently possessing a high priority and to obtain information on weapons related research and testing. Considerable effort was expended to obtain progress and testing information in those weapon programs of special interest to the Services and to disseminate this information in the most expeditious manner. The same procedure was followed when new and unusual physics concepts had an impact on specific weapon programs. The information obtained from LASL also aided in the preparation and publication of several reports dealing with nuclear weapons and in the formulation of answers to specific questions from the Services and Headquarters, DASA. Several visits to LASL were arranged for senior Field Command, DASA, personnel and military personnel working as LRL Research Associates, to acquaint them with the organization of LASL and to make them cognizant of the research and development activities of the laboratory.

4. (U) SLA Liaison. The Research and Development Liaison Directorate has continued efforts toward increased liaison with members of SLA. The contact file has been enlarged and several meetings with SLA personnel have been held in order to expand Directorate knowledge and usefulness in areas not currently under investigation at LASL. Contacts have been established with the Department of Systems Studies, Composites Research and Development, Ceramics and Surface Sciences, Physical Research, and Exploratory Systems Studies, with information obtained through the last two providing a basis for Pink Book articles in February and April.

5. (U) Salvage Fuzing Working Group. At the request of DDST, a Salvage Fuzing Working Group meeting held at SLA on 4 June was attended by an officer from the Weapons Development Liaison Division (Sandia). The request was made due to the necessity of maintaining close coordination between the contractor studying the prevention of salvage fuzing and the AEC laboratories working on defensive warhead design. The status of current research at Kaman Nuclear, Colorado Springs, Colorado; LRL; and LASL was discussed.

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6. [redacted] Tactical Aircraft. Amendments to the B28, B43, B57, and B61 military characteristics, on 31 March, added the A-6B aircraft as a required carrier, and deleted the A-4B requirement. A separate amendment to the B28 military characteristics, 28 April, added the requirement for carriage by the F-104S and the F-100D(I) and F(I) (MAP) aircraft. The Field Command, DASA, project officer attended meetings of the F-111 project officers at the General Dynamics Corporation, Fort Worth, Texas, 4 - 6 March and 2 - 4 June. Primarily, the discussions centered around schedules for structural tests on the F-111's to return them to flying status, vibration tests of instrumented weapon shapes, both on the pylons and in the bomb bay to certify capability, and the F-111E AMAC tests conducted in April and the results thereof. An F-4 project officers meeting was held 17 - 19 March at the McDonnell-Douglas Company, St. Louis, Missouri. Primary items discussed were F-4M/B43/B57 compatibility, F-4D/WALLEYE compatibility, forward firing ordnance, and potting compound reversion. The F-4M fit and function tests, and the AMAC verification tests are presently scheduled to occur in mid July 1970, at Bruggen Air Station, Germany, with the vibration flights in England scheduled for late July or August.

7. [redacted] PAL/PAPS. The Field Command, DASA, PAL/PAPS development representative maintained continuous liaison with the SLA PAL/PAPS development sections to keep current on all projects. The following major actions occurred during this period:

a. The cold temperature operating capability of the mechanical component (MC)-1605 battery of the PAL controllers was discussed. LANCE requires PAL operation at a lower temperature than the stated limit in the PAL controller specifications. SLA conducted low temperature tests on the PAL system to prove that the LANCE requirements can be met.

b. Continuous liaison was maintained with the SLA Security Container System (SCS) design agency, while keeping informed on the progress of the Picatinny Arsenal SCS design. Both systems have been briefed to the Assistant General Manager for Military Applications (AGM/MA), AEC; and the MLC, but the decision has not been made on which agency will build the SCS for the new 155 mm (W74). The SCS requirements for the IADM were discussed with SLA.

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8. (U) Coded Switch Set (CSS). Progress of the CSS developed by SLA, under contract to the Air Force for use in the B-52 and FB-111A, was closely followed. Development is progressing satisfactorily and laboratory compatibility tests have been made with the CSS installed in the FB-111 and B-52 AMAC systems.

9. [redacted] AMAC. The Field Command, DASA, AMAC representative attended all four of the formal AMAC Study Group meetings held during this period, as well as a number of AMAC subcommittee meetings held to consider specific problems and to revise the AMAC specifications. The AMAC representative assisted SLA in conducting AMAC tests on the A-7E at the Naval Air Station, Lemoore, California, and the F-111E at Cannon Air Force Base, New Mexico, as well as at St. Mawgan, England, for the HS-801. These tests are required prior to weapon compatibility verification by SLA (i.e., AEC). Many local meetings were held to discuss the status of AMAC systems in the A-7E, FB-111A, F-111D, F-111E, F-111F, F-4M, B-52, S-3, B-1A, and HS-801. Final design approval (FDA) was granted on the AMAC system of the F-111D in January; the A-6C in April; and the B-52 MHU-109/C clip-in in April. FDA revisions were reviewed and approved in April and May on the F-111A, F-111E, and FB-111A. Design data were reviewed on the HS-801 and F-4M AMAC systems during this period, and one discussion was held with SLA and Navy representatives regarding the Navy's one wire (OWAM) AMAC system advanced development.

10. (U) Development Briefings. Periodic technical briefings were presented by personnel from the Research and Development Liaison Directorate and AEC activities, to members of Field Command, DASA, staff activities. Included were topics on status of weapon developments and related research and development subjects.

C. (U) Publications.

1. (U) Nuclear Weapons Characteristics Report (HQDASA-48M). A revision of this report was published 1 February. This issue combined the HQDASA-48M and the Nuclear Weapon Warhead System Data (Silhouette) Chart. The publication date was changed from 1 February to 1 November.

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2. (U) Nuclear Weapons Development Report (HQDASA-49M). Issue 42 of this report was published on 1 March at the request of Headquarters, DASA, one and one-half months ahead of the original schedule. The earlier publication date was desired so the report would be available to Service Commanders prior to their annual meeting to review requirements. One March has now been designated as the official publication date for this document. Issue 42 contained minor revisions requested through the reader survey of July 1969.

3. [redacted] Test Information Index (HQDASA-119M). This document serves as an index to and a reference for HQDASA 170M, DASA-12XX, and HQDASA-50M series reports. The HQDASA-119M-3, published 1 January, is a multiple listing of all tests conducted by the United States during the period from 16 July 1945 to 20 October 1969. It contains Critical Nuclear Weapon Design Information (CNWDI) and is intended for those agencies having direct responsibilities in the areas of nuclear weapon research and development. At present the computer program used for data processing of material in the HQDASA-119M is being revised in order that the new stockpile designation terminology may be sorted in proper order. The next edition, HQDASA-119M-4, will be published on 1 August 1970.

4. [redacted] Report of Nuclear Tests, BOWLINE (HQDASA-170M-2). Since the suspension of the HQDASA-50M report, the HQDASA-170M is the only data summary of the fiscal year nuclear test series. It contains information on tests conducted by the United States during the period 1 July 1968 through 30 June 1969, and detailed design and performance parameters of nuclear test devices. The publication date is 1 July and distribution is now to those agencies and organizations concerned with research and development of nuclear weapons since CNWDI is contained in the report.

5. (U) Weapons Program Study and Development Report (Green Book). The Green Book is a monthly publication distributed to certain Certified Commands within the DOD and AEC nuclear weapons community. It consists of articles concerning weapon projects under study, weapon projects under development, meetings, and a quarterly status of feasibility studies. These articles are written by Weapons Development Liaison Division (Sandia) and Livermore Division project personnel, and are compiled and prepared for publication by the Weapons Development Liaison Division (Sandia) Development Coordination Branch.

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6. (U) Advanced Nuclear Concepts Report (Pink Book). This monthly report with special distribution in the DASA organization serves to present both formal and informal information received from the AEC and AEC contractors. These articles are written by Weapons Development Liaison Division (Sandia) and Livermore Division individuals knowledgeable in the nuclear and related weapon effects areas. The articles are compiled and prepared for publication in the Weapons Development Liaison Division (Sandia).

7. [redacted] FCDV Test Summary Report. Research and Development Liaison Directorate Test Summary Reports are prepared at the beginning of each quarter and serve as an informal working paper for the Directorate. They contain information on nuclear tests conducted during the preceding quarter and those planned for the current quarter. Information for the reports is obtained from discussions with LASL and LRL personnel and from draft and/or published laboratory documents. The Nuclear Physics Branch has continued to publish a weekly letter on scheduled and completed tests, outlining the purpose and preliminary results, for use by the Research and Development Liaison Directorate and the Commander, Field Command.

VII. (U) WEAPON SYSTEMS SAFETY DIVISION.

A. (U) U.S. Army.

1. [redacted] Operational Review of the NIKE HERCULES Nuclear Weapon System. The purpose of the operational review was to examine the adequacy and suitability of safety features in the weapon system design, the procedures throughout the STS, and the adequacy of the safety rules. The review was conducted 12 January to 3 February at representative STS installations; depot and two battery sites in the Eastern continental United States (CONUS); headquarters elements, Ordnance support and custodial detachments [redacted] Special Ammunition Support Command, Ordnance support, and U.S., German, and Netherlands batteries in the Federal Republic of Germany. The committee concluded that the safety features of the system have proven adequate. Recommendations included that: (1) An evaluation of the T4014A test set be accomplished; (2) all Mk 31 Mod 0 warheads be modified to Mk 31 Mod 2; (3) publication

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of air transportability procedures with CH-47 be expedited; (4) Air Force approval of air transport procedures in TM 55-1100-250-12-2 be obtained; and (5) revised EOD publications be expedited. Lieutenant Colonel Glenn W. Knauer, USA, was the DASA member of the Committee. No minority opinions were submitted. (Reference: Operational Review of the NIKE HERCULES Nuclear Weapon System (U), 4 February 1970, U.S. Army Nuclear Weapons Surety Group, Fort Belvoir, Virginia.)

b. [redacted] A Special Meeting of the Extraordinary Environments Task Group (EETG) of the SPARTAN Safety and Reliability Working Group (SSRWG) (U), convened at Picatinny Arsenal on 15 January. The meeting was held to evaluate possible changes in the characteristics of the environmental sensing device in the W71 warhead. The Task Group concluded:

(1) The three alternates presented established a higher "g"-time sensing before the warhead will accept an electrical input.

(2) The higher "g"-time occurs later in the trajectory than for the current 10 "g"-sec environmental sensing device.

(3) The three alternatives provide an undetermined increment of protection for the warhead.

(4) Tradeoffs of the three alternatives and the operational factors, reliability, flexibility, capabilities and growth potential of the system, are not yet established.

The group recommended that the proposals and operational factors be considered at the next SSRWG. Lieutenant Colonel David E. Herzog, USA, was the Field Command, DASA, member. No minority opinions were submitted. (Reference: LRL letter, subject: Minutes of Special EETG Meeting, 22 January 1970, FC01700347.)

c. [redacted] Safety Study of SAFEGUARD EMP Testing. The purpose of the study was to consider the safety implications of EMP testing of a SAFEGUARD Firing Site at which war reserve nuclear warhead sections and missiles have been emplaced. The study was conducted at the Martin-Marietta Corporation, Orlando, Florida, on 17 and 18 February.

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Presentations indicated that testing to date had been limited to laboratory testing of system components and full scale testing of inert warhead sections in the airborne configuration. Only limited and simulated ground configuration testing had been accomplished. This limited testing had been accomplished at power levels far below the expected threat levels. The Committee recommended that: (1) EMP testing of a SAFEGUARD Missile Site, using war reserve material, not be conducted; (2) satisfactory results of EMP testing using simulators not be interpreted to mean that testing with war reserve materiel can be accomplished safely. Lieutenant Colonel David E. Herzog, USA, was the DASA member. No minority opinions were submitted. (Reference: USAMC letter, subject: Safety Study of SAFEGUARD EMP Testing, 27 March 1970, FC03700818.)

d. (U) Safety Study of SAFEGUARD Site Activation. The purpose of the study was to review all safety aspects of the plans for site activation and to determine whether the plans contain adequate provision for safety in all operations to satisfy the DOD safety standards for peacetime nuclear safety. The study was conducted 22 and 23 April at SAFSCOM, Research Park, Huntsville, Alabama. The Committee approved eight recommendations which indicated areas of concern based on the material presented, some of which was preliminary. It is expected that a later study of system site activation will be required to clarify the unresolved areas of concern. The Committee report was in letter format to the Army Chief of Research and Development from the Chairman of the NWSSC. Lieutenant Colonel Glenn W. Knauer, USA, was the DASA member. No minority opinions were submitted. (Reference: Letter to Chief of Research and Development, subject: Safety Study of SAFEGUARD System Site Activation, 16 June 1970.)

e. ([redacted]) Revised Initial Safety Study of the LANCE Nuclear Weapons System. The purpose of the study was to revise the May 1967 Initial Safety Study of the LANCE Nuclear Weapon System. The study was conducted at the Ling Temco Vought Aerospace Corporation, Warren, Michigan, 17 to 19 March, and then reconvened at Picatinny Arsenal 19 and 20 May. Recommendations included that: (1) The monitor programmer (MP) be analyzed to assess the possibility of a fault causing initiation of the missile solid propellant gas generator or adaption kit batteries during a self-test of the MP; (2) the MP be designed to apply power

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to the missile only after a satisfactory self-test; (3) if the concept of contact support test set usage changes to involve peacetime testing of a missile with a warhead section, the nuclear safety implications be re-evaluated by the Committee; (4) the identification loop be removed from the adaption kit for the nuclear warhead section and gain selection be provided in the other warhead sections; (5) all system connectors be analyzed and physically tested to determine whether mismating to critical connectors is prevented by design; (6) results of the full scale tests of the system in lightning and EMR environments be furnished the Committee for evaluation; (7) the warhead design provide a hard wire continuity loop at the J1 connector for testing with the T4186 test set when in the warhead section configuration instead of using environmental sensing device monitor loop; (8) an analysis be performed of the effect on nuclear safety of the warhead J1 connector pin assignment changes be performed and furnished the Committee for evaluation; (9) the warhead pre-arm circuit in the adaption kit be interrupted by positive safing feature such as the arm-safe device; and (1) an analysis of the probability of faults that may permit power from the adaption kit batteries to energize warhead arming circuits downstream of the safing devices be provided the Committee for evaluation. Lieutenant Colonel David E. Herzog, USA, was the DASA member. No minority opinions were submitted. (Reference: Field Command, DASA, message 0609028, date time group (DTG) 951559Z July 1970, subject: Revised Initial Safety Study of the LANCE Nuclear Weapons System (U).)

f. [redacted] Safety Evaluation of the NH T4014A Test Set. The purpose of the safety study was to conduct a comprehensive evaluation of the NIKE HERCULES T4014A test set to consider the improvement of nuclear safety. The study was conducted 21 May at Picatinny Arsenal. Recommendations included that: (1) The J9 connector, in the cartridge assembly, be modified in lieu of redesigning the T4014A test set; (2) TM 9-1100-25-12 be changed to require a one-hour wait before initiating trouble-shooting procedures as a result of the postmating assembly test; (3) the number of steps performed during the postmating assembly test not be reduced in that any deletion would be accompanied by a reduction in nuclear safety; and (4) the frequency of T4014A tests not be reduced. Lieutenant Colonel David E. Herzog, USA, was the DASA member. No minority opinions were submitted. (Reference: Field Command, DASA message 0609027, DTG 051558Z June 1970, subject: Safety Study of T4014A Test Set.)

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g. [redacted] Safety Study of the SAFEGUARD System Command and Control. The purpose of the study was to examine the safety aspects of the plans for command and control of the launching of SPRINT and SPARTAN weapons and to determine whether adequate provisions for safety exist in all operations to satisfy the DOD safety standards for peacetime nuclear safety. The study was conducted 24 and 25 June at Bell Telephone Laboratories, Whippany, New Jersey. Committee recommendations included that a fault tree analysis be conducted for all modes of operations that could result in nuclear enablement and Launch Orders 1 and 2; and that the launch enable unit and ordnance safety box utilize circuit discrimination to respond to unique voltages only for passage of launch order signals. No minority opinions were submitted. Lieutenant Colonel Glenn W. Knauer, USA, was the DASA member. The study was a continuation of preliminary sub-area studies of the SAFEGUARD system prior to the DOD directed Initial Safety Studies. The Committee report will be in letter format to the Army Chief of Research and Development from the Chairman of the NWSSC with an expected date of submission in July 1970.

B. (U) U.S. Navy.

1. [redacted] Pre-Operational Safety Study of the Non-U.S. North Atlantic Treaty Organization (NATO) Italian S-2F (IS-2F) Aircraft with the B57 Bomb (C). The purpose of this study was to determine the adequacy of safety features in the weapon system design and procedures and to provide a basis for the development of the safety rules which will meet the prescribed safety standards. The study was conducted during the period 6 to 18 March at Commander-In-Chief, U.S. Navy Europe (CINCUSNAVEUR) Headquarters, United Kingdom, and U.S. Naval Air Facility, Sigonella, Sicily. Commander Leonard M. Meier, USN, was the DASA member. Field Command, DASA, concurred in the study conclusions and recommendations. The scope and conduct of the study provided an adequate basis for the development of proposed safety rules. No minority opinions were submitted. (Reference: NWEF letter, Serial APS-3/0048, 2 April 1970, subject: Findings of the Pre-Operational Safety Study of the NON-U.S. NATO Italian S-2F (IS-2F) Aircraft with the B57 Weapon System (C).)

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2. [redacted] Pre-Operational Safety Study of the NON-U.S. NIMROD Mk 1 Aircraft with the B57 Bomb Weapon System. The purpose of this study was to determine the adequacy of safety features in the weapon system design and procedures and to provide a basis for the development of the safety rules which will meet the prescribed safety standards. The study was conducted 16 to 29 April at Headquarters, U.S. Commander East Atlantic (USCOMEASTLANT), United Kingdom; Royal Air Force (RAF), St. Mawgan, United Kingdom; and U.S. Naval Aviation Weapons Facility, St. Mawgan, United Kingdom. Commander Leonard M. Meier, USN, was the DASA member. Field Command, DASA, concurred in the study conclusions and recommendations. The scope and conduct of the study provided an adequate basis for the development of proposed safety rules. No minority opinions were submitted. (Reference: NWEF letter, Serial APS-1/0074, 8 May 1970, subject: Findings of the Pre-Operational Safety Study of the NON-U.S. NATO NIMROD Mk 1 Aircraft with the Mk 57 Bomb Weapon System (CFRD).)

3. (U) Operational Review of the A-6A Aircraft and Special Study of the A-6B and KA-6D Air craft with the B28, B43, B57, and B61 Bombs. The purpose of the operational review was to re-examine the safety features in the weapon system design, the procedures throughout the STS, and the adequacy of the safety rules. The purpose of the special study was to determine any nuclear weapon safety implications bearing on the loading, carriage or delivery of nuclear weapons by the standard arm modification for the A-6B aircraft and the tanker modification for the KA-6D aircraft, and to determine if the approved A-6A/C aircraft safety rules are applicable to the A-6B and KA-6D aircraft. The review and special study were conducted during the period 30 April to 15 May at the Naval Air Station, Jacksonville, Florida; USS INDEPENDENCE (CVA-62); Marine Corps Air Station, Cherry Point, North Carolina; Naval Weapons Station, Yorktown, Virginia; and Naval Air Station, Oceana, Virginia. Commander Bennie L. Corley, USN, was the DASA member. The findings of the review and special study included recommendations for administrative adjustment in current Navy instructions relating to security alarm system maintenance and expediting promulgation of definitive guidance relating to procedures and equipment for nuclear weapons logistic operations. It was also determined that the existing safety rules for the A-6A/C aircraft were adequate and that the applicability of these rules

should be expanded to include the A-6B and KA-6D aircraft. Field Command, DASA, concurred in the foregoing findings of the review. There were no minority opinions. (Reference: NWEF letter, Serial APA-5/063, 28 May 1970, subject: Draft Report of the Operational Review of the A-6A Aircraft and Special Study of the A-6B and KA-6D Aircraft with the B28, B43, B57, and B61 Bombs.)

4. (C Rest) Pre-Operational Safety Study of the POSEIDON Fleet Ballistic Missile (FBM) Weapon System (Phase 1).

a. The purpose of the study was to determine whether or not the weapon system meets the DOD nuclear safety standards and to provide a basis for the development of safety rules. The necessity for meeting milestones in the operational deployment of the POSEIDON FBM weapon system and scheduling considerations to insure that the vital elements in the weapon STS were covered resulted in a pre-operational safety study consisting of three phases. These phases were concerned with the following:

(1) Phase I. Briefings by the AEC on the warhead, at LRL. Briefings by Lockheed Missile and Space Company, at Sunnyvale, California, on the re-entry body, missile, and associated test and handling equipment. Briefings and demonstrations at the POLARIS Missile Facility, Atlantic (POMFLANT), at Charleston, South Carolina, on depot operations with POSEIDON.

(2) Phase II. Briefings by Westinghouse Electric and Lockheed Missile and Space Company personnel at Sunnyvale, California. Briefings and demonstrations at POMFLANT and on board a submarine, concerning POSEIDON outloading operations and submarine systems utilized in the tactical employment of the missile.

(3) Phase III. Briefings and demonstrations in transport ship/submarine tender operations involving POSEIDON.

b. Phase I was conducted during the period 11 to 27 May. Commander John I. Keener, USN, was the DASA member. The study group drafted proposed safety rules for depot operations. The DASA, AEC, and NWEF members submitted a dissenting opinion concerning the use of the fuze set test set (T-3097) and the frequency of performing the fuze set function, and recommended that the fuze set test be held to a minimum because

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of test equipment design inadequacies which are considered to degrade warhead safety and reliability. The report of Phase I is under preparation by NWEF. Phases II and III of the POSEIDON FBM Weapon System Pre-Operational Safety Study are scheduled for completion in July 1970 and early 1971, respectively.

C. (U) U.S. Air Force.

1. (U) Operational Review of the BUIC III/CIM-10B Weapon System. The purpose of the operational review was to examine the Back Up Interceptor Control (BUIC) III command control system and its interface with the CIM-10B missile at the Interceptor Missile Squadron Operations Center (IMSOC) in accordance with Air Force Regulation (AFR) 122-2. Procedures used in the weapon system, nuclear safety features, and the adequacy of the weapon system safety rules were reviewed. The BUIC III study was accomplished at DNS, the 26th Air Defense Missile Squadron, Otis Air Force Base, Massachusetts, and the 762nd Radar Squadron, North Truro Air Force Station, Massachusetts. The operational review board concluded that the nuclear safety of the BUIC III/CIM-10B weapon system was adequate. The USAF NWSSG members were in agreement concerning the conclusion and there was no recommendation. No minority opinions were submitted. Informal comments and the close-out message were submitted to DASA Headquarters on 15 December 1969 and 16 January 1970, respectively. Major Gerald L. Hitt, USAF, was the DASA member. (Reference: Operational Review of the BUIC III/CIM-10B Weapon System; Project Number 70-120, 1 - 4 December 1969.)

2. [redacted] Non-U.S. NATO F-100D and F-100F Addendum Safety Study. The purpose of this addendum study was to determine the adequacy of nuclear safety features for Non-U.S. NATO F-100D (I) Centerline (CL) and F-100F (I) Centerline (CL)/B28/B43/B57 Weapon Systems and to provide a basis for development of safety rules. The addendum study concluded that the addition of the F-100D (I) and F-100F (I) aircraft to the Turkish Air Force (TAF) did not degrade nuclear safety. The designator (I) after F-100D and F-100F indicates aircraft on which a rewire modification, "Project High Wire," had been accomplished. The USAF NWSSG members were in agreement concerning the conclusion and

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there was no recommendation. No minority opinions were submitted. The study was conducted at Kirtland Air Force Base, 18 to 23 March. Informal and formal comments were submitted to DASA Headquarters 26 March and 20 April, respectively. The close-out message on the subject was submitted to DASA Headquarters on 4 June. Major Gerald L. Hitt, USAF, represented DASA on the USAF NWSSG. (Reference: Non-U.S. NATO F-100D (I) Centerline and F-100F (I) Centerline/B28/B43/B57 Weapon Systems Addendum Number 1 to the Pre-Operational Safety Study Report USAF NWSSG 67-7, Final Version, March 1970.)

3. ([redacted]) F-111E Addendum Safety Study. The purpose of the F-111E Addendum Number 1 Safety Study to the Pre-Operational Safety Study Report of the F-111A Weapon System, USAF NWSSG 68-3, was to fulfill the requirements of AFR 122-2 (determine the adequacy of the F-111E nuclear safety features) and provide a basis for developing a set of nuclear safety rules to meet prescribed nuclear safety standards. The study concluded that the F-111E weapon system did meet the prescribed DOD nuclear safety standards. The study was limited to wing stations since flight tests on weapon bay stations had not been completed nor had the Sandia Laboratories MAR been issued for the aircraft/weapon bay compatibility. The USAF NWSSG members were in agreement concerning the conclusion and there was no recommendation. No minority opinions were submitted. The contractor facility, General Dynamics Corporation, Fort Worth, Texas, was visited by the USAF NWSSG on 30 and 31 October 1969. In addition, the USAF NWSSG visited the 27th Tactical Fighter Wing (TFW), Cannon Air Force Base, on 7 November 1969, [redacted] The remainder of the study was conducted at Kirtland Air Force Base. Completion date of the study was 15 June, with informal comments being submitted to DASA Headquarters on 16 June. Major Gerald L. Hitt, USAF, was the DASA member. (Reference: F-111E Safety Study Addendum Number 1 to USAF NWSSG 68-3 Pre-Operational Safety Study Report of the F-111D Weapon Systems, December 1969, NWSSG Coordination Copy.)

4. ([redacted]) Special Safety Study of the GIANT PROFIT Test. This special safety study was conducted to determine the effects of the GIANT PROFIT test on the nuclear safety of the MINUTEMAN WS-133B weapon system and to provide a basis for the development of the safety rules for the test. The test is to consist of the simulated launch of ten modified operational missiles (one flight), from the operational launch facilities at Grand Forks Air Force Base, North Dakota, using maximum possible operational

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realism. The NWSSG concluded that adequate nuclear safety is provided by the test configurations and procedures. The NWSSG members agreed unanimously with the conclusions of the study. There were no minority opinions and no recommendations. The Headquarters, USAF, coordination copy of the report (USAF NWSSG 70-2) was published in March. Lieutenant Colonel Donald D. Kaynor, USAF, was the DASA member. (Reference: Special Safety Study Report of the GIANT PROFIT Test, Project Number 70-2.)

5. [redacted] Special Safety Study of CORONET BEVERLY. This special safety study was conducted to review and revise the study conducted in April of 1969. Restudy was necessary because of minor changes to the test plan which had been requested by Headquarters, USAF. CORONET BEVERLY is a proposed nuclear operational systems test to be conducted in an operational environment on the Nevada Test Site (NTS), Nevada. The weapon system to be tested is the F-4C/D and E, Mk 57. The NWSSG concluded that nuclear safety in the test is adequate, provided the recommendations resulting from the study are complied with. There were no minority opinions. Comments and close-out were submitted to Headquarters, DASA, on 5 May. Lieutenant Colonel Donald D. Kaynor, USAF, represented Field Command, DASA, on the USAF NWSSG. (Reference: Special Safety Study Report of CORONET BEVERLY, April 1969 (Revised March 1970), Project Number 69-3.)

6. [redacted] Pre-Operational Safety Study of the LGM-30G (MINUTEMAN III) Missile and the Mk 12 Re-entry System. The pre-operational safety study was conducted to determine if the system meets DOD safety standards and to provide a basis for developing safety rules. The USAF NWSSG concluded that the system meets the DOD safety standards provided that certain recommendations are complied with. A minority opinion was submitted by the representatives of the AEC, Air Defense Command (ADC), and Air Force Logistics Command (AFLC). The opinion disagrees with the majority position of the group concerning a recommended electrical safety test of the MC-1912 inertial switch. DASA supported the majority position. The final report of this study was published under date of March 1970. Major Donald G. Bruckner, USAF, represented DASA. Lieutenant Colonel Donald D. Kaynor, USAF, served as Major Bruckner's technical advisor for the study. (Reference: Pre-Operational Safety Study Report of the LGM-30G (MINUTEMAN III) Missile and the Mk 12 Re-entry System, Project Number 70-1.)

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D. (U) Miscellaneous.

1. Special Navy Safety Review of Auxiliary Type Ships. The purof the special Navy safety review was to determine if the ship classes visited can adequately handle and stow all nuclear weapons for which they have an assigned capability. The review group examined each ship's weapon handling equipment, handling procedures, special weapons stowage areas, and security alarm system. The review study was convened at Commander Service Force, Atlantic Fleet Headquarters, in Norfolk, Virginia, on 31 March. Commander John I. Keener, USN, was the Field Command, DASA, advisor to the study. The review was conducted during the period 31 March to 7 April in the U.S.S. SEATTLE (AOE 3) and the U.S.S. BUTTE (AE 2) at the Norfolk Naval Shipyard, and in the U.S.S. MILWAUKEE (AOR 2) and the U.S.S. CALOOSAHATCHIE (AOJ 98) at Newport, Rhode Island, and Boston, Massachusetts, respectively. The study resulted in various findings and recommendations for improvement of the nuclear weapons capabilities within the classes of ships involved. No minority opinions were submitted. (Reference: NWEF letter, Serial SWS-1/762, 6 May 1970, subject: Report of the Special Navy Safety Review of Auxiliary Type Ships.)

2. Navy Nuclear Safety Conference. During the period 27 April to 1 May, Commander John I. Keener, USN, as a member of the Navy Nuclear Weapons Systems Safety Group, attended the Navy Nuclear Safety Conference at the Nuclear Weapons Training Center, Atlantic, in Norfolk, Virginia. The conference, hosted by Commander-In-Chief, Atlantic Fleet (CINCLANTFLT), resulted in various recommendations for the improvement of nuclear safety within the Navy and afforded attendees an opportunity for the exchange of ideas and information.

3. Research Associates Orientation Visit. The purpose of the visit was to indoctrinate twelve Army, Navy, and Air Force Research Associates from LRL, in weapon systems technology to help them relate this information to their assignment at LRL. The visit was held during the period 17 to 28 May at Sandia Base, Kirtland Air Force Base, and Los Alamos. Commander Leonard M. Meier, USN, was the Field Command, DASA, project officer. The Research Associates attended the Weapons Orientation Advanced (WOA) and CNWDI courses, visited SLA, LASL, and AFWL, and were given briefings by NWEF and the Research and Development Liaison Directorate.

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4. Navy In-House Review of the A-4L/B28, B43, B57, and B61. The purpose of the study was to determine if the A-4L can be added to existing safety rules for the A4 aircraft with no compromise in safety. The review was conducted 9 to 12 June at NWEF. Commander Leonard M. Meier, USN, was the DASA observer. The review was originally scheduled as an A-4E, A-4F Operational Review/A4L Special Safety Study, changed to an A-4L Special Safety Study, and changed finally to an In-House Navy Review. The scope of the review was such that the AEC and DASA observers and the VA 125 Special Weapons School member recommended that the A-4L not be added to existing rules without a special safety study. The NWEF member recommended that the A-4L be added to existing rules without a special safety study. NWEF indicated at adjournment of the review that a decision would be made regarding the proper course of action. (Reference: None to date.)

VIII. (U) WEAPONS DEVELOPMENT LIAISON DIVISION (LIVERMORE) (LIVERMORE DIVISION).

A. ([redacted]) Weapon Development Activities. Significant events which influenced weapon development liaison activities at Livermore included the transition of both the W62 and W68 warheads from Phase 4 (Production Engineering) to Phase 5 (First Production Unit (FPU)/War Reserve) in April and June, respectively. The MINUTEMAN III/Mk 12 R/V IOC of June, though endangered by an employee strike of AEC production facilities, was met. Due to severe budgetary restrictions, the AEC announced on 6 April that they would be required to delay the W70 FPU/War Reserve from January 1972 to January 1973. As the Army had previously announced its delay of the overseas deployment of LANCE until September 1973, the AEC's decision to delay W70 FPU/War Reserve until January 1973 impacted only on the capability to provide the initial LANCE battalion on 30 June 1972 with a nuclear capability. The W71 program was highlighted by the DOD acceptance of the SPARTAN warhead preliminary design through DRAAG action. [redacted] the first vulnerability test of the W71 were also accomplished during this period. Active participation in the Modified SPARTAN Phase 1 (Weapon Conception) program continued in addition to varying stages of Phase 1 and Phase 2 activity in the Improved Nuclear Projectiles, ADM, SAM-D, the Undersea Long Range Advanced Missile System (ULMS),

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AEGIS, and PHOENIX programs. Excellent rapport was continued with LRL and SLL, highlighted by Livermore Division planning and providing escort officers for three orientation tours for laboratory personnel to various military installations and the coordination for a two-day Space Orientation Course at LRL. Also, during this report period, Field Command, DASA, implemented the redesignation of nuclear warheads from "Mark" (Mk), or "XW," to "W" designations, as specified in TP 4-10, "AEC-DOD Nomenclature System for AEC-Produced Nuclear Weapon Materiel (U)," A summary of the activities for the past six months on specific weapon systems follows:

1. [redacted] W45. Pending the completion of the Army's analysis of the Joint ADM Working Group's "Report of the Phase 2 Feasibility Study of an Improved Atomic Demolition - Advanced Atomic Demolition Munition," and any subsequent requests for development engineering, all AEC - DOD project officer activity for the advanced firing system/W45/B54 and Medium Atomic Demolition Munition (MADM)/W45 continued to remain suspended. However, per instructions from the Assistant to the Secretary of Defense (Atomic Energy), the Army requested DASA to amend the military characteristics for the W45 atomic warhead so that the ADM (W45-3 warhead) requirement for the duration of subsurface emplacement is changed [redacted] SLL had previously reported in early 1970, based on a series of submergence testing, that an extended burial/submergence capability can be provided by field retrofit [redacted] Amendment Number 15 to the W45 military characteristics, incorporating this change, was approved by the MLC on 28 April. A pre-PCP conference was held at Field Command, DASA, on 9 June to initiate PCP action. FPU for modification kits is planned in September 1971. When the modification kit is applied, the warhead will be designated as the W45-4. The Livermore Division W45 project officer maintained liaison with the responsible SLL project engineering division during the report period, to include distribution of SLL's submergence test report, coordination of Military Characteristics Amendment Number 15, and assistance in the preparation of the draft PCP.

2. (U) W48-1. The AEC field retrofit of the SM454 nuclear projectile, in accordance with PCP 5-68, was completed in late January.

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Letter DRAAG action on the W48-1 Final Development Report, initiated by the Livermore Division, was completed in April. On 26 May, the MLC approved DOD acceptance of the W48-1 warhead as a standard stockpile item.

3. (U) W56-4/Mk 11C. The draft supplement to the W56-4 Final Development Report was published in February. This supplement covered the vulnerability testing which was accomplished after DRAAG review of the Final Development Report. The DRAAG review of the supplement was completed by letter on 10 June, and the report will be published during July 1970.

4. [redacted] W62/Mk 12.

a. Activity for this period began with a Mk 12 Safety Subgroup meeting on 6 January. The subgroup adopted a General Electric proposal for marking R/V's as an aid for preventing human error in the handling of training and war reserve vehicles. The subgroup formulated plans for the joint fire safety tests to be conducted in September 1970.

b. On 7 and 8 January, the Mod 5R Technical Interchange meeting was held and it was decided to add a C-band transponder to the R/V; the data list was also expanded to include more arming and fuzing diagnostic data.

c. The NWSSG met during January. There were no safety recommendations or action items that would preclude the system from meeting its IOC date. The final report of this group was published 11 May.

d. As a result of an Air Force - AEC meeting on 17 February, the Air Force and the AEC accepted a Field Command, DASA, recommendation that the W62 Warhead Depot Manual be a Joint Atomic Weapon Publication. The AEC agreed to publish this manual

e. The MAR for the W62 warhead was published on 23 March, and authorized the use of the W62 warhead with the Mk 12 R/V for all environments specified within the STS.

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f. The trade unions at the AEC's PANTEX facility in Amarillo, Texas, went on strike in March for approximately one month. For awhile, this action threatened the June IOC date, but PANTEX supervisory personnel operated most plant facilities during the strike and production was not significantly interrupted.

g. During April, the FPU's were assembled and readied for shipment. Delivery of these warheads to Minot Air Force Base, North Dakota, began during the first week in May.

h. The trade labor unions at the AEC Y12 production facility in Oak Ridge, Tennessee, went on strike during April. This facility manufactures many of the nuclear assembly parts for the W62 warhead. The strike was terminated and work resumed on 23 June. Some delay in Fiscal Year (FY) 1971 delivery schedules is expected, but the complete impact is unpredictable at this time.

i. The Mk 12 project officers met at the AEC Nevada Operations Office (NVOO), Las Vegas, Nevada, on 6 and 7 May. The project officers accepted the joint reliability model and predicted reliability from the Reliability Subgroup, after which the subgroup was dissolved. SAMSO announced that the EMP proof test for the MINUTEMAN III missile system (ARES) was reinstated for the second half of 1970, and the project officers agreed that there should be joint AEC - DOD participation. Additionally, the Safety Subgroup successfully supported the Pre-operational Safety Study by the NWSSG. The proposed fire safety test for the Mk 12 R/V was not scheduled due to the unresolved configuration and test location. The V&H Subgroup was directed to assess the need and feasibility of continuing vulnerability tests for the purposes of quality assurance.

j. The HUDSON MOON [redacted] test was conducted on 26 May at NTS. Approximately one minute after detonation, high temperatures and radiation levels were detected in the drift. The active Mk 12 experiments obtained good data; however, recovery of the passive experiments has been delayed indefinitely.

k. During this six-month period, a total of eleven MINUTEMAN III flight tests were conducted. Five of these tests were launched from the Western Test Range and four from the Eastern Test Range. Six of the

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tests were completely successful, and one was a partial success. Seven of these flight tests included one AEC-instrumented R/V and five of these were a complete success.

5. [redacted] W68-0/Mk 3 R/B.

a. Transition of the W68-0/Mk 3 R/B program from Phase 4, Production Engineering, to Phase 5, First Production, war reserve, was the main event during this six month period. Complete engineering release of all components for the integrated warhead and R/B was accomplished by the end of February. Tool-made sample evaluation of pilot production units was completed at both AEC production assembly plants (PANTEX, and SUGAR, Burlington, Iowa). Sufficient parts were received from the Y12 facility prior to its April - June strike to meet the scheduled FPU date of June for the first war reserve units. A total of [redacted] was accepted by the end of June. The draft Final Development Report was distributed for comments in June, prior to publishing for DRAAG action. The planned publishing date for the DRAAG action is 20 July 1970 and the tentative date for the DRAAG meeting is 25 August 1970.

b. There were six flight tests of the POSEIDON missile with Mk 3 re-entry systems. Three R/B's launched on an 804 NM flight on C3X-19 made a successful [redacted] re-entry. Both instrumented R/B's performed satisfactorily during the re-entry phase. One of the R/B's was programmed for a [redacted] signal which did not occur due to a faulty radar receiver. However, the electronic timer backup signal did occur. [redacted] On 4 February, C3X-20 was launched from the U.S.S. OBSERVATION ISLAND (EAG-154). This was the second POSEIDON missile launched from a submarine-type launch tube aboard the experimental surface firing ship. The flight was normal up to second-stage motor termination when failure of the thrust termination occurred. None of the six R/B's was released from the bus. C3X-22, another EAG-154 shot, was launched on 24 March with six R/B's on a planned [redacted] trajectory. A failure of the flight control system caused the bus to become unstable after releasing the first R/B. A successful flight of six R/B's on [redacted] trajectory

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was achieved by C3X-21 on 14 May. The C3X-23 flight on 17 June was a successful demonstration of a [redacted] trajectory. A failure of the C3X-24 missile to place [redacted] trajectory was attributed to nose fairing jettison and roll control problems. One more POSEIDON missile, C3X-25, remains to be flown in the development flight test program. Satisfactory performance of the W68-0/Mk 3 R/B test units has been demonstrated in all required trajectories. A production evaluation missile program consisting of five POSEIDON flights is scheduled for the July - September 1970 period.

c. In the initial production testing of the MC-2043 neutron generator, two out of 45 generators tested failed to meet Sandia Laboratories' specifications. Although the neutron output of the two failing units would have been sufficient to properly initiate the warhead, the assessed reliability at that time was less than the design goal. Additional subsequent lot sample tests of the MC-2043 have resulted in increased confidence that the design goal will be achieved. Fatigue testing of the R/B vent valve uncovered a failure mode in the vent valve bellows which was solved by using improved welding techniques. [redacted]

d. Mk 3 vulnerability experiments were conducted on three underground [redacted] tests at NTS. Results of the DIANA MIST event of 11 February demonstrated the capability of the Mk 3 R/B to successfully survive [redacted] Failure of containment devices in the MINT LEAF [redacted] effects test on 5 May caused delays in retrieving experiments which were damaged by debris and post-test effects. Analysis of the experiments revealed no serious damage was caused by the [redacted] The HUDSON MOON [redacted] test was conducted on 26 May. High radiation levels, heat, and pressure will prevent recovery of experiments at least for several months.

[redacted]

e. During the six month period, there were two meetings of the Mk 3 project officers. The Vulnerability Subgroup met three times, and there was one meeting each for the Joint Test Subgroup and the Quality Assurance Subgroup.

6. [redacted] W70/LANCE.

a. The W70 warhead continued in Phase 3, Development Engineering; however, major AEC budget restrictions necessitated a decision to delay the scheduled W70 warhead FPU/war reserve from January 1972 to January 1973. Minor missile developmental problems and AEC FY 1970 funding cutbacks resulted in a three-months slip in the desired LANCE developmental program. Realignment of the developmental program was minimized, however, by both accelerated flight test scheduling and utilizing additional time afforded by the one-year delay in the W70 FPU/war reserve.

b. On 28 January, the sixth meeting of the AEC - DOD LANCE project officers was held to evaluate an AEC proposal to delay the LANCE Army readiness date of 30 June 1972 by one year, and the effects of such a delay on the LANCE development schedule. Although the Army revised its LANCE initial overseas deployment date from September 1972 to September 1973, the AEC was informed that, "A year's delay in Army readiness date would not be consistent with DOD planning." A firm AEC commitment to support the Army readiness date was to be based on a mid FY 1970 AEC budget review scheduled in February.

c. On 14 March, the joint AEC - DOD XM234 Nuclear Warhead Section Development Flight Test Program was initiated following a two-month delay due to minor missile developmental problems. The second of 12 planned joint flight tests was conducted on 15 April. Primary objectives of both flight tests, oriented toward the gathering of flight environmental data and evaluation of components, were achieved. Reduction of AEC FY 1970 funding which necessitated cancellation of W70 joint test assembly developmental flight tests until FY 1971/1972 and minor warhead developmental problems resulted in the joint flight test program falling three months behind schedule.

[redacted]

d. On 6 April, the AEC, as a result of its FY 1971 budget review, informed the DOD that a slip in the W70 FPU/war reserve from January 1972 to January 1973 is required. However, the AEC confirmed its ability to support the Army's September 1973 LANCE overseas deployment.

e. On 21 May, an executive session of the AEC - DOD LANCE project officers was held to initiate joint coordination of revisions to the LANCE missile system/XM234 nuclear warhead section developmental and production schedules. As a result, mutually agreeable joint AEC - DOD flight test, developmental, and production schedules based on a LANCE Army readiness date of 30 June 1972, a W70 FPU/war reserve of January 1973, and the LANCE overseas deployment of September 1973 were derived. Included within these agreements was a firm AEC decision to support the LANCE engineer test/Service test with initial W70 type 2G warhead delivery in February 1971.

f. The Field Command, DASA, Livermore Division W70 primary project officer remained active with the AEC - DOD project officers during this period. Normal day-to-day liaison, particularly between the LANCE project officers at OCRD, LANCE Project Manager's Office, and U.S. Army Munitions Command (USAMUCOM), as well as at the AEC Livermore laboratories, was maintained. In addition, two LANCE project officers meetings and two LANCE working group meetings were attended.

7. [redacted] W71/SPARTAN.

a. The warhead for the SPARTAN missile continued in Phase 3 development. On 8 April, the DRAAG considered the W71 Preliminary Development Report and found the preliminary SPARTAN warhead design acceptable as of the report cutoff date (31 December 1969). [redacted] The first vulnerability test for the W71 was the MINT LEAF event, conducted on 5 May. In this test, two warhead sections were exposed [redacted] Disassembly and analysis of these test vehicles were begun in mid June.

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b. In late February, the SAFEGUARD System Manager (SAFSM) announced a modified Phase 1 deployment which includes Whiteman Air Force Base, Missouri, in addition to Grand Forks Air Force Base, North Dakota; and Malmstrom Air Force Base, Montana. At the same time, new equipment readiness dates were announced as 1 October 1974 for Grand Forks Air Force Base, 1 February 1975 for Malmstrom Air Force Base, and 1 July 1975 for Whiteman Air Force Base.

c. The SAFSM and the AEC agreed to a change in the warhead flight test schedule. One test will be conducted in May 1971 and the remaining five will be conducted at three-month intervals beginning in March 1972.

d. During the first half of Calendar Year (CY) 1970, further changes have taken place [redacted] the operating levels of the ESD's on the warhead are to be raised.

e. One of the major problems which the W71 development community faced during this period has been the possibility that a supersonic impact of the SPARTAN warhead section could result in significant nuclear yield. The AEC considers the SPARTAN warhead one of the safest designs under development or in the inventory, and believes that the probability of significant nuclear yield upon impact is low. However, the AEC cannot calculate or demonstrate probability numbers for this event. [redacted]

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f. Military Characteristics Amendment Number 3 was approved by the MLC on 23 June. Incorporated in this change is an increase in the reliability of the destruct function for the warhead and a relaxation of the premature probability requirement.

g. During this report period, the Field Command, DASA, W71 primary project officer attended both of the project officers meetings and functioned as recording secretary for the Nuclear Vulnerability and Effects Working Group. He was also active in meetings held by the Environmental, Flight Test, Safety and Reliability, and Electrical and Mechanical Compatibility Working Groups. The Livermore Division Nuclear Physics Branch W71 backup project officer attended meetings of the SPARTAN internal electromagnetic pulse (IEMP) and the SPARTAN ARES Test Working Groups. In the course of staffing Military Characteristics Amendment Number 3, the primary project officer established a new format for the field staffing of military characteristics changes which was approved and accepted by Field Command, DASA; and Headquarters, DASA. Considerable reduction in administrative time was accomplished in the staffing and publication of the W71 DRAAG meeting report. The Preliminary Development Report was distributed by the AEC on 5 February; the DRAAG meeting was held on 8 April; and the published DRAAG report was forwarded to Headquarters, DASA, on or about 13 April.

8. [redacted] Improved 155 mm and 8-Inch Nuclear Projectiles. Following the AEC-DMA February 1970 decision to award the Phase 3, Development Engineering, of the Improved 155 mm Nuclear Projectile to LASL, the Livermore Division monitored LRL's continuing exploratory design efforts [redacted] A one-point safety test [redacted] was conducted by LRL [redacted] A Livermore Division proposal for possibly utilizing [redacted] technology for both the 155 mm and 8-inch nuclear projectiles was published in the March 1970 Advanced Nuclear Concepts Report. The Livermore Division Army Tactical Weapons Project Officer continued to monitor the status of the Improved 8-Inch Nuclear Projectile program; however, an Army decision to delay the 8-inch projectile IOC until FY 1977 has resulted in a low-keyed Laboratory interest. In order to stay abreast of Army progress, LRL personnel requested, and the Livermore Division arranged, a two-day briefing in April on nuclear artillery doctrine, status, and fire direction procedures from the Fort Sill, Oklahoma, artillery community.

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9. (U) IADM. The Livermore Division remained active in supporting the potential Phase 3, Development Engineering, effort of an IADM (formerly ADAM). A draft Army request for Phase 3, Development Engineering, of the LRL SHOAT device for the IADM application renewed interest at the Livermore laboratories. Coordination of proposed military characteristics for the IADM was in progress at the end of the report period.

10. (U) PHOENIX. The Livermore Division was active in supporting the Phase 2 feasibility study for the Navy's PHOENIX missile. Representatives from the Livermore Division attended two technical interchange meetings with Hughes Aircraft Company during February. In addition to monitoring LRL and SLL proposed development, the Livermore Division also supported the Phase 2 meeting on 26 May 1970.

11. (U) SAM-D. Renewed LRL interest in the SAM-D program, generated as a result of a current Army SAM-D study and commonality considerations with PHOENIX and AEGIS (formerly ASMS) warheads, resulted in semi-active Livermore Division effort. Included in this effort was the obtaining from the U.S. Army Missile Command of the "SAM-D Development Plan." A PHOENIX, ASMS, and SAM-D commonality matrix was also produced.

12. (U) AEGIS. The Livermore Division continued to support the early AEGIS Phase 1, Weapon Conception, program.

13. [redacted] ULMS. The second meeting of the Re-entry Committee of the FBM Steering Task Group met at the NOL, White Oak, on 23 January. The purpose of the meeting was to consider design concepts for an advanced FBM system or ULMS.

a. What is desired is a new class submarine with longer range missiles which will eliminate the requirement for basing overseas. The nuclear powered submarine would incorporate the latest ship-quieting techniques and spend about 80 per cent of the time at sea. An 83-day patrol period is envisioned, followed by a 30-day maintenance period in port. The ship is planned to be equipped with sonar, torpedoes, inertial

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guidance systems, and may use POLARIS-type launch tubes with built-in growth potential. The ship would operate at a depth of [redacted] at speeds of [redacted] rising to [redacted] to launch missiles. An encapsulated launch concept allowing the missile to float to the surface inside a container prior to launch would permit greater launch depths. Several different designs have been proposed for the submarine, having launch tubes either internal or external to the pressure hull. External launch tubes would preclude access to the missiles while submerged. One design presently favored by the Navy is a 434-foot submarine displacing approximately 25,000 tons and having a [redacted] collapse depth. The ship would carry 24 missiles with a range of 4,500 to 6,500 NM. A modular construction technique would allow pre-building of sections off-site for assembly at the shipyard. It is believed that this construction technique would result in savings of time and money. The estimated cost of each submarine is 90 to 100 million dollars. The Navy would prefer to have some number of new submarines in FY 1978. Last November, the Navy received $250,000.00 of the ten million dollars that Congress authorized for ULMS in FY 1970. Forty-four million dollars has been requested for ULMS in the FY 1971 budget. A missile design effort is expected to result in definition of a missile envelope by the end of the year. The build time for the submarine is estimated at about five years, after an initial two-year contract design period. Commitment to a missile development program would probably not be made sooner than two years from the present.

b. Warhead concepts proposed were [redacted] LRL suggested enhancing the yield of the W68 warhead [redacted] are attainable using this technique. However, a temperature problem is foreseen [redacted] at the 6,500 NM range when an exoatmospheric attack is assumed. It may be possible to solve this problem with further design changes. LASL presented some concepts for a high yield warhead resulting from Mk 19 studies. The R/B envelope considered for this warhead had a length of 72 - 75 inches and a base diameter of about 22-1/2 inches. [redacted]

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14. [redacted] Testing. LRL conducted or participated in 14 nuclear underground tests at NTS during this period. Some of the tests were multiple device events [redacted] The major emphasis was on [redacted] LRL also provided [redacted] source for MINT LEAF and [redacted] source for HUDSON MOON (DOD effects test). Only one PLOWSHARE-type event (FLASK) was conducted during this period, and no tests are planned for FY 1971 due to budget limitations. The most significant test conducted during this period was the successful HANDLEY event. [redacted] It was the highest yield test ever conducted at NTS [redacted] The [redacted] tests were not as successful as desired. It was determined that certain aspects of device design were more complex and sensitive [redacted] than originally envisioned. Sufficient progress has been made, however, to justify the continuation of [redacted] testing for the next fiscal year. Livermore Division Nuclear Physics Branch personnel followed the LRL [redacted] device development programs were closely.

B. (U) Associated Activities.

1. [redacted] V&H.

a. The composite Nuclear Physics Branch and V&H Group at the Livermore Division is still short two people as of the end of this report period. Normal Nuclear Physics Branch activities and V&H Group responsibilities will continue to be accomplished on a split responsibility basis until all personnel authorized to the Group have reported, on or about 1 September 1970. Then, a more definitive separation of normal Nuclear Physics Branch and V&H Group activities will be made. However, the policy of assigning one V&H man to each specific Phase 2 and/or Phase 3 weapons program will be continued.

b. Recognizing the fact that the Nuclear Physics Branch and the V&H Group will lose a large number of the most experienced personnel due to pending permanent change of station (PCS) moves, the first draft

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of a Project Officer's Guide was produced. The primary objective of the Project Officer's Guide is to provide new staff members with sufficient information in one composite source that will acquaint them with the basic principles involved over the broad spectrum of disciplines and techniques in nuclear weapons development, testing, and V&H considerations. The Guide will be periodically updated as significant data are developed and individual officers develop a degree of expertise in specific technical areas. Additionally, requests have been received that the Guide be published for wider distribution throughout the AEC - DOD weapons development community.

c. The V&H Group has continued to emphasize its efforts in the areas of EMP, IEMP, TREES, advanced X ray hardening materials, neutron kill, balanced hardening, and lethality. The recent increase of interest in debris with respect to "pin down" has received additional attention. A member of the Livermore Division has assumed an additional duty as secretary of the "Wouters Subcommittee on EMP." Current plans indicate that meetings will be held once a month during FY 1971 with the first meeting about 1 September 1970. The Livermore Division representative submitted several special reports to Headquarters, DASA; and Field Command, DASA, with regard to IEMP efforts at LRL and SLL and details of cable experiments on DIESEL TRAIN and HUDSON MOON. A considerable effort was made in studying and discussing the spacing of Mk 3 R/B's (POSEIDON). The advantages of increasing the spacing of Mk 3 R/B's [redacted] were presented in a series of tables and brought to the attention of the Navy. A continuing effort is being made to obtain underground test data on advanced materials development at an early date by means of man-to-man contacts at SLL, LRL, AFWL, and Air Force Materials Laboratory (AFML), Wright-Patterson Air Force Base, O.

d. The V&H Group personnel attended 29 formal V&H meetings and numerous others within the local area with small groups and individuals at LRL and SLL. A deliberate effort is being continued to establish closer contact with specific individuals at AFWL, SAMSO, AFML, and the DASA Information and Analysis Center (DASIAC), Santa Barbara, California. Progress has been noticeable with regard to timely information exchange and a free discussion in areas of mutual interest and responsibility. With

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the MINUTEMAN III and POSEIDON programs rapidly approaching their IOC dates, a major shift in emphasis has been toward V&H problems associated with the SPARTAN and Modified SPARTAN programs, neutron and balanced hardening, and advanced materials hardening concepts.

2. (U) Miscellaneous. The excellent rapport developed between the Livermore Division and LRL - SLL personnel has led to an appreciable number of requests for assistance. It is interesting to note the variety of some of the requests made of the Livermore Division, i.e., availability of a DOD surplus trailer for an LRL display; loading instructions for C-133A and C-133B aircraft; AFML reports on FM transducers; summary of IEMP research sponsored by DOD and DASA; DASA-funded research on radiation damage in dielectrics; information on hard vacuum manipulators at the Lunar Receiving Laboratories, etc. Other significant actions from among the approximately 23 requests for assistance from LRL and SLL during this period follow:

a. The Livermore Division continued to assist LRL and SLL personnel engaged in tactical air and air defense systems studies. One request was for the geographical coordinates of all NIKE HERCULES sites in the United States, obtained by the Livermore Division from the Army.

b. As a result of a request from the Exploratory Systems Department, SLL, the Livermore Division arranged, and provided an escort officer, for a tour by 16 SLL and LRL personnel of an operational NIKE HERCULES Air Defense Battery and an Army Air Defense Command Post, on 13 February. The tour and briefings were given by members of the 40th Air Defense Brigade, San Francisco, California. On 6 April, a follow-up orientation of air defense for 15 LRL personnel was arranged. A Livermore Division escort of this group to the 1st Missile Battalion, 250th Artillery, California National Guard, was provided. Another visit to George Air Force Base, California, was arranged for LRL (Military Applications Group) personnel. These visits proved very beneficial and enlightening to the LRL and SLL personnel. In each case, a good insight was obtained by them with respect to the training and capabilities of the military personnel assigned to the operational activities.

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c. The Livermore Division arranged for a two-day Space Orientation Course presented by the Air University Institute of Professional Development, Maxwell Air Force Base, Alabama. The orientation, given at LRL on 17 and 18 February, was attended by approximately 150 LRL, SLL, and LRL-military community personnel.

d. A tour of the MINUTEMAN launch facilities for the Western Test Range located at Vandenberg Air Force Base, California, was set up for LRL and SLL personnel involved in the W62 warhead development program. The tour was accomplished on 6 to 8 April and included nine civilians from the Laboratories and five officers from the Livermore Division.

e. An LRL Military Applications Group request for current Artillery doctrine and fire direction procedures for the employment of nuclear artillery projectiles resulted in a Livermore Division-arranged two-day orientation for 12 AEC personnel at Fort Sill, Oklahoma, on 7 and 8 April. The Livermore Division Army tactical weapons project officer escorted these personnel, representing LRL, LASL, SLA, and AEC-ALO, during their U.S. Army Field Artillery School and Combat Developments Command Field Artillery Agency briefings.

f. Material requests for surplus equipment, for which appropriate coordination was effected, included 90 mm gun mounts, 90 mm cartridge cases, and a nitrogen fluoride production facility.

C. (U) Publications.

1. [redacted] Nuclear Weapons Development Report (HQDASA-49M). Major revisions were necessary for publication of the HQDASA-49M, Issue 42. Significant progress had been made in over-all technology and some aspects were not adequately covered in Issue 41 due to a natural imbalance between its date of publication and the availability of data from the scientists and engineers working on specific programs. An updated summary of PAL and PAPS devices was not available until shortly prior to publication of Issue 42. Considerably more information was available with respect to combined effects and higher X ray fluence in successful underground tests, [redacted] and enhanced radiation devices. A major revision of the entire section on advanced AEC R/V-warhead programs was also necessary. Considerable

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effort was expended in updating most sections by discussing the previous write-ups with individual scientists and engineers at LRL and SLL directly responsible for specific areas. The effort and time spent in making a thorough updating of the HQDASA-49M Report for Issue 42 should facilitate the projected combining of HQDASA-50 and HQDASA-49 information in one quality report. However, to minimize potential problems in preparation of the combined report, which could be compounded by the many personnel changes during the first and second quarters, FY 1971, the Livermore Division has recommended a longer pre-planning and coordination period by the Livermore Division and the Weapons Development Liaison Division (Sandia).

2. (U) Report of Nuclear Tests (HQDASA-170M). Information on the 25 nuclear tests (BOWLINE) conducted by LRL during the period July 1968 to June 1969 was compiled and reported for inclusion in this report. The published information included device diagrams, listing of materials and weights of major components. The data were obtained from LRL shot data books, the Prompt Diagnostics Division, Radiochemistry Division, and through personal liaison with members of these divisions and members of the Yield Committee.

3. (U) Advanced Nuclear Concepts Report (Pink Book). A total of 41 articles was prepared and submitted for publication in the Pink Book. The majority of these articles concerned the classical topics of physics concepts, tests, test results, and weapon developments. An increase in the number of articles with respect to auxiliary component development, engineering problem areas, and hardening concepts is reflected in the increase in total productivity over that previously reported (i. e., 41 versus 35). This trend is anticipated to continue due to the increase in total strength of the entire Nuclear Physics Branch and the personal interest of individual officers in specific technical areas.

4. (U) Weapons Program Study and Development Report (Green Book). Livermore Division Weapons Branch project officers prepared 24 articles summarizing monthly activities of the W62, W68, W70, and W71 warhead development programs for publication in the Green Book.

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D. (U) Briefings and Presentations.

1. During the period, approximately 15 lectures were prepared and presented within the Division on a variety of subjects related to nuclear weapon research and development. These lectures were designed to broaden the technical background of the members of the Division to aid in more effectively performing its mission.

2. Presentations by LRL and SLL personnel during the Livermore Division seminars are being increased in order to promote closer relationships between the Livermore Division staff and LRL - SLL personnel. This approach has also proven to be of mutual benefit in that much discussion usually results in a meeting composed principally of "working troops."

3. The 1970 Nuclear Weapons Development Conference was held at Headquarters, DASA, on 15 to 19 June. The Livermore Division, in cooperation with the Weapons Development Liaison Division (Sandia), presented an hour and a half of advanced technology in the AEC. Additionally, representatives of both Divisions attended the panel meetings and commented as requested on future Service requirements.

E. (U) Visits. Among the visitors hosted by the Livermore Division, or escorted by Livermore Division personnel to the Laboratories during this period, were staff personnel from Headquarters, DASA; Field Command, DASA; Office of the Chief of Naval Operations (Op-75); Defense Intelligence Agency; and CDCINS. For the most part, the visitors had specific requirements for information; however, a number of visits were for orientation.

[redacted]

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ABBREVIATIONS (U)

ACE	Advanced Control Experiment
ADAM	Advanced Atomic Demolition Munition
ADC	Air Defense Command
ADM	Atomic Demolition Munition
AEC	Atomic Energy Commission
AEC-ALO	Atomic Energy Commission Albuquerque Operations
AFLC	Air Force Logistics Command
AFML	Air Force Materials Laboratory
AFR	Air Force Regulation
AFSC	Air Force Systems Command
AFSWC	Air Force Special Weapons Center
AFSWP	Armed Forces Special Weapons Project
AFWL	Air Force Weapons Laboratory
AIM	Air Launched Intercept Missile
AMCFO	Army Materiel Command Field Office
ARES	Advanced Research Electromagnetic Pulse Simulator
ARV	Advanced Re-Entry Vehicle
ASD	Aeronautical Systems Division
ASMS	Advanced Surface Missile System
ASROC	Antisubmarine Rocket
ASTOR	Antisubmarine Torpedo
BDM	Bomber Defense Missile
BUIC	Back-Up Interceptor Control
CINCLANTFLT	Commander-In-Chief Atlantic Fleet
CINCUSNAVEUR	Commander-In-Chief United States Navy Europe
CNO	Chief of Naval Operations
CNWDI	Critical Nuclear Weapons Design Information
CONUS	Continental United States
CSS	Coded Switch Set
CY	Calendar Year
DA	Department of the Army
DASA NET	Defense Atomic Support Agency Nuclear Emergency Team

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DASIAC	Defense Atomic Support Agency Information and Analysis Center
DDRE	Director of Defense Research and Engineering
DDST	Deputy Director Science and Technology
DOD	Department of Defense
DRAAG	Design Review and Acceptance Group
DTG	Date Time Group
EETG	Extraordinary Environments Task Group
EMP	Electromagnetic Pulse
EOD	Explosive Ordnance Disposal
ERD	Equipment Readiness Date
ESD	Environmental Sensing Device
FBM	Fleet Ballistic Missile
FDA	Final Design Approval
FI	Fuzing Internal
FPU	First Production Unit
FUFO	Full Fuzing Option
FY	Fiscal Year
HE	High Explosive
IADM	Improved Atomic Demolition Munition
IBDM	Interim Bomber Defense Missile
IM	Interceptor Missile
IMSOC	Interceptor Missile Squadron Operations Center
IOC	Initial Operational Capability
JTG	Joint Test Group
JTU	Joint Test Unit
LASL	Los Alamos Scientific Laboratory
LRL	Lawrence Radiation Laboratory
MADM	Medium Atomic Demolition Munition
MC	Mechanical Component
MLC	Military Liaison Committee
MP	Monitor Programmer

[redacted]

NATO	North Atlantic Treaty Organization
NAU	Naval Administrative Unit
NOL	Naval Ordnance Laboratory
NTS	Nevada Test Site
NVO	Nevada Operations Office
NWEF	Naval Weapons Evaluation Facility
NWSSC	Nuclear Weapons Systems Safety Committee (United States Army)
NWSSG	Nuclear Weapons Systems Safety Group (United States Air Force)
OAD	Operational Availability Date
OCRD	Office Chief Research and Development
OWAM	One Wire Aircraft Monitor and Control
PAL	Prescribed Action Link
PAPS	Permissive Arming and Protective System
PCP	Product Change Proposal
PCS	Permanent Change of Station
POMFLANT	POLARIS Missile Facility Atlantic
RADIAC	Radioactivity Detection, Indication, and Computation
RAF	Royal Air Force
R/B	Re-Entry Body
R/V	Re-Entry Vehicle
SAC	Strategic Air Command
SADM	Special Atomic Demolition Munition
SAFSCOM	SAFEGUARD Systems Command
SAFSM	SAFEGUARD System Manager
SAM-D	Surface-to-Air Missile-Development
SAMSO	Space and Missile Systems Organization
SCS	Security Container System
SLA	Sandia Laboratories Albuquerque
SLL	Sandia Laboratories Livermore

[redacted]

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SRAM	Short Range Attack Missile
SRBDM	Short Range Bomber Defense Missile
SSRWG	SPARTAN Safety and Reliability Working Group
STS	Stockpile-To-Target Sequence
SUBROC	Submarine Rocket
TAF	Turkish Air Force
TFW	Tactical Fighter Wing
TLNO	Technical Liaison Officer
TREES	Transit Radiation Effects Electronic Systems
ULMS	Undersea Long Range Advanced Missile System
USANWSG	United States Army Nuclear Weapon Systems Surety Group
USCOMEASTLANT	United States Commander East Atlantic
V&H	Vulnerability and Hardening
WOA	Weapons Orientation Advanced
WSMR	White Sands Missile Range

CRITICAL NUCLEAR WEAPON
DESIGN INFORMATION
DOD Dir 5210.2 Applies

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STOCKPILE MANAGEMENT DIRECTORATE

Captain J. L. Delaware, USN, Chief

I. (U) ACTIVATION: As recorded in Semiannual Historical Report dated 1 July - 31 December 1964.

II. (U) MISSION: As recorded in Semiannual Historical Report dated 1 July - 31 December 1964.

III. (U) ORGANIZATION: As recorded in Semiannual Historical Report dated 1 July - 31 December 1964.

IV. (U) PERSONNEL: Key personnel on duty in the Stockpile Management Directorate during the period covered by this report are listed below with their dates of assignment to Field Command, DASA, (and detachment, if applicable).

	Assigned	Detached
Captain J. L. Delaware Chief, Stockpile Mgt Directorate, since 1 Apr 68	12 Oct 67	
Colonel J. D. Servis Executive Officer, Stockpile Mgt Directorate, since 1 Nov 68	1 Mar 68	
LTC P. D. Thorne Chief, Plans Office, FCSM2, since 1 Feb 70	5 Jun 69	
LTC D. S. Grossett Chief, Plans Office, FCSM2, 15 Apr 68 - 31 Jan 70	1 Oct 67	31 Jan 70
CDR J. R. Bicknell Chief, Stockpile Operations Division FCSM3, 17 Jul 64 - 30 Jun 70	6 Jul 64	30 Jun 70
Lt Col E. T. Garrett Acting Chief, Stockpile Data Division FCSM4, since 22 Mar 70	6 Sep 68	
Mr. M. J. Ritz, GS-13 Chief, Stockpile Data Division, FCSM4 15 Apr 64 - 22 Mar 70	19 Jul 46	22 Mar 70

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	Assigned	Detached
CDR J. E. Solomon Chief, Technical Operations Division, FCSM5, since 1 Jul 69	20 Jun 69	
Lt Col A. S. Learned Chief, Technical Publications Review Division, FCSM6, since 18 Nov 68	18 Nov 68	
Col F. W. Korbitz, Jr. Chief, Quality Assurance Liaison Division, FCSM7, 25 Jul 68 - 30 Jun 70	17 Jun 67	30 Jun 70
Maj B. B. Boyce Chief, Communications and Electronics Division, FCSM9, since 1 Feb 70	11 Dec 67	
LTC V. W. Gorlinsky Chief, Communications and Electronics Division, FCSM9, 27 Jul 69 - 31 Jan 70	27 Jul 69	31 Jan 70

V. ACTIVITIES. Directorate semiannual inventory of all TOP SECRET documents was conducted by all divisions.

[redacted] separated from inclosures, handle this document as

UNCLASSIFIED

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Excluded from automatic downgrading and Declassification

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A. Plans Office (FCSM2)

1. (U) Joint Nuclear Accident Coordinating Center (NACC).

a. A series of Department of Defense (DOD) and Joint Atomic Energy Commission (AEC) and Department of Defense (DOD) JNACC briefings were presented. A DOD-JNACC briefing was presented to the U.S. Army Surety Group and to selected individuals from the Office of the Assistant Chief of Staff for Force Development (ACSFOR) on 7 January 1970. Joint AEC/DOD briefings were presented to New Mexico State and local officials on 14 May, Arizona officials on 3 June and Kansas officials on 9 June 1970.

b. Significant Incident Reports.

(1) On 13 February 1970, LCDR McCleanhan, the Ordnance Officer at Naval Air Station (NAS) Key West, Florida, called and stated that during a local Nuclear Emergency Team Exercise (NETEX) an actual radiation reading was noted. Possible cause of the radiation reading was either from large reconnaissance radars located at the NAS, a jet stream from Cuba or a cosmic shower. Contact was made with the Atomic Energy Commission and the Radiological Safety Branch of FCDASA to determine the most probable cause of this radiation reading. Advice was furnished to on-scene personnel of the precise methods for taking air samples. Later the same day, normal background radiation readings were noted. No conclusive explanation was found for the initially high radiation reading.

(2) On 17 February 1970, LTC Quinn, Department of the Army, called to report that the New York Public Health Department had asked for assistance in an americium incident in Albany, New York. The incident involved a Mr. H. Levine, a New York State employee who had worked for the AEC at one time and had been released to go into private business. During this latter enterprise, he obtained a license to obtain up to 100 millicuries of americium. Approximately nine years ago, Mr. Levine went to work for the State of New York and at the same time surrendered his license - his legal right to hold americium. During an informal survey, his coat was found to be contaminated. Further investigation revealed that his house and family were also contaminated. (Readings of over 50,000 counts per minute were found in the house.) It was determined that Mr. Levine and his 10-year-old son received a dose of one-half body burden. The Edgewood Arsenal Radiological Contamination (RADCON) Team was dispatched to the scene and upon monitoring found contamination counts of over 100,000 DPM per square centimeter. The RADCON team surveyed the area, rendered their findings to the New York Public Health Service and returned to Edgewood Arsenal.

(3) On 12 May 1970, a call was received from Fort Campbell (Clarksville Base) stating that a high radiation reading was being detected in an unoccupied building (Building No. 318). Indications

[redacted]

[redacted]

[redacted]

were that radon gas was the cause. Fort Campbell was advised of the proper ventilation procedures to use and was instructed to forward samples to Sandia Laboratories.

c. The overseas semiannual nuclear response capability listing was published in May 1970.

d. The CONUS semiannual nuclear response capability listing was published in May 1970.

2. (U) The DASA Advance Planning Document (DASA 36) was revised and distributed in February 1970.

3. (U) Two changes were made to the Field Command Operations Plan. These were required to update the plan in accordance with current trends and DASA guidance. In addition, the Contingency Plan for Domestic Emergencies was revised and published.

4. (U) A change in procedures for Nuclear, Biological and Chemical (NBC) Defense for the Sandia/Manzano Base complex was initiated in March 1970. This change tasked Sandia Base with full NBC defense responsibilities for both bases.

5. (U) Because Explosive Ordnance Disposal (EOD) personnel were deleted from its JTD, Manzano Base was relieved of EOD functions and responsibilities in March 1970. Field Command Nuclear Training Directorate now provides this support to Manzano Base through Sandia Base.

6. (U) Major Paul E. Williams joined the Plans Office in May 1970. Major Williams' previous assignment was in Vietnam as a G-4 Advisor to the 23d Infantry Division, ARVN.

7. (U) The 26th NORAD Region conducted a Nuclear, Biological and Chemical exercise, "AMALGAM-MUTE 70-3W" in June 1970. Field Command was not a participant in this exercise but was informed of all NORAD DEFCON changes through the Air Defense Warning Net.

8. (U) The Plans Office was given the additional responsibility for Emergency Actions in June 1970. During duty hours, this office receives information of a significant nature, operational requests and renders assistance as required. To perform this function, the Duty Officer phones were installed in the Plans Office to provide full daytime coverage. The phones revert to the jurisdiction of the Duty Officer after duty hours.

[redacted]

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B. Stockpile Operations Division (FCSM3)

1. [redacted] Current Operations Branch.

a. On 26 February the last B53's were shipped from [redacted] to AEC for retirement. This action completely terminated major item transactions at [redacted]

b. Because of late receipt of changes to weapons allocations, Fiscal Year 1970 retirement of W31's was short by [redacted] in CINCPAC custody. In addition, because of delay of AEC shipments caused by truck and rail strikes, a total of [redacted] were retired at DOD locations although not returned to AEC custody. These quantities were from the total [redacted] scheduled for retirement.

c. Parallel operations of Stockpile Management Accounting and Reporting System (SMARS) and Nuclear Stockpile Accounting and Reporting System (NUSPARS) commenced in June 1970 and are continuing. The consolidation of FCSM3 and FCSM4 will be accomplished after SMARS is completely operational.

d. From 1 January through 30 June 1970, 324 Material Transfer Orders (MTO's) were written for deployment of [redacted] and the return of [redacted]

2. [redacted] Scheduling Branch.

a. Retrofits.

(1) The following factory retrofit program is still in progress:

Weapon	Alt/Mod	Work Accomplished
W56 Mod 3	Mod 4	X-ray Hardening

(2) The major rework program on [redacted] Mark 57 Mods 3, 4 and 6 Bombs involving Limited Life Component (LLC) exchange is still in progress at Burlington as shown below.

Weapon	Quantity	Work Accomplished
B57 Mods 3, 4 and 6	[redacted]	LLC exchange completed
		At vendor
		Due in to vendor in mid-July to complete the program.

[redacted] utomatic

[redacted]

[redacted] 08 48

[redacted]

(3) One major factory rework program (not a retrofit) began during this period. This rework involves examination and changeout of the [redacted] units were returned to Savannah River in June for initial examination.

b. Distribution. AEC-ALO distributed weapons and components from their facilities to the National Stockpile Site, Operational Storage Sites, and Service Storage Facilities as follows:

	Carriers	Bombs/Warheads
Trucks	48	[redacted]
ROSS Aircraft	10	

c. New Production. New production on the B61-1 continued and new production on the W62 and W68 programs commenced during this period as shown below:

Weapon	Scheduled Production	Qty 31 Dec 69	Qty 30 Jun 70	Actual Production
B61-1	[redacted]	[redacted]	[redacted]	[redacted]
W62-0				
W68-0				

d. Retirement.

(1) On 17 June 1970 the finalized version of the FY 1970 Allocation Paper was received which changed the quantities to be retired for the following weapons: W25, W28, W30, W31Y1, W31Y2, W34 and W58.

(2) By 30 June, the following programs were completed on schedule for FY 1970: W25, W28Y1, W30Y2, W34, W45Y1-0, B53Y1, W53Y1, W54-2, W55, W56-1 and W58.

(3) The following programs were not completed by 30 June:

Weapon	Qty to Retire	At Vendor	At site	Incomplete/CINC
W31Y1	[redacted]			PAC
W31Y2				PAC

[redacted]

e. Stockpile Laboratory Testing (SLT).

(1) SLT programs initiated during this period were the W34, B43, W45, W48, B57, W58, B61, B28 FI, W55 and W56.

(2) SLT programs completed during this period were the B28 FI, B54, W55 and W56.

[redacted]

C. Stockpile Data Division (FCSM4)

1. (U) On 15 May 1970 assigned and augmentee personnel completed training in the procedures to sustain SMARS data files, inventory reconciliation and emergency processing and reporting.

2. (U) As directed by DASA, message 05-0-1299 DTG 221759Z May 70 parallel reporting using two separate computer systems, (NUSPARS/SMARS) was implemented on 1 June 1970. The DASA Command Operational Change Reports (COCR) are prepared from both systems and forwarded daily.

3. (U) By FC DASA message 5-0-7402 DTG 272135Z May 70, DASA was notified that at the beginning of parallel operations forty-eight of fifty-three SMARS programs were under test and unreliable. Test and debug of the SMARS programs continues in conjunction with the Resource Control Group (RCG) Test Team subcommittee members. Results are evaluated daily and necessary program changes are being accomplished and rechecked. It is estimated that NUSPARS will be replaced by SMARS about 4 August 1970.

4. (U) Technical Publications 5-5, 5-4A and 5-4B were published as JCS Publication 6 Volume II, Part 4, Chapter 1, with an effective date of 30 June 1970.

5. (U) Transfer of the Weapons Historical Repository Files to FCAG2 was completed on 27 May 1970.

[redacted]

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D. Technical Operations Division (FCSM5)

1. (U) The following Joint Task Group (JTG) evaluations were conducted during the last six months:

W68/MK 3 Explosive Ordnance Disposal (EOD) Procedures - January 1970

W68/MK 3 EOD Trainer Rebuild Procedures - January 1970

W45 EOD Trainer Rebuild Procedures - May 1970

W72 Maintenance Procedures - June 1970

W72 EOD Procedures - June 1970

W72 EOD Trainer Rebuild Procedures - June 1970

2. (U) Members of this organization participated in the following Retrofit Task Groups (RTG): W34-509, B61-503 and B57-521.

3. ([redacted]) Sandia Laboratories has approved the feasibility of packaging the B54 (SADM) [redacted] In addition, they have manufactured and tested an [redacted] to protect the warhead from shock which could be experienced in normal combat usage.

4. (U) Based on a request from the Army, Sandia Laboratories has initiated a study authorizing an alternate power source for the T436 (battery) power supply for Permissive Action Link testers.

5. (U) Plans are being finalized for initial recycling of the 994PW (a component of the B33). This initial recycle is scheduled to begin in April 1971.

6. (U) Strategic Air Command's concern of the W28 leakers has resulted in a change to the monitoring interval. This change will eliminate the increased number of warhead rejects.

7. (U) Unsatisfactory Reports, Accident Reports, Product Change Proposals and Suggestions were processed as follows:

UR's	733
Accident Reports	2
Incident Reports	3
PCP's	3
Suggestions	18

[redacted]

[redacted]

[redacted]

E. Technical Publications Division (FCSM6)

1. (U) Continued emphasis was placed on managerial refinements of the Joint Atomic Weapons Publications System (JAWPS) to assure the publication of quality technical manuals,for meeting the user's requirements.

2. (U) As of 31 December 1969, there were 515 manuals in the JAWPS. The overall goal was to reduce the number of manuals in the system to below 500. Through consolidation, rescision and review actions, the total number of manuals in the system was reduced to 493.

3. (U) Since 31 December 1969, there have been 11 new manuals entered into the system, 23 interim change actions, 121 permanent change actions, and 31 manual revisions.

4. (U) This division staffed and forwarded a proposal to Sandia Laboratories, Albuquerque (SLA) requesting deletion of the Bomb System Fuze Setting Procedural (Type-7) Manuals. This deletion will result in an estimated first-year publications saving of $6,000 and will remove 4,605 Secret Restricted Data documents from the system. Action to delete the Type-7 manuals from the joint system is on schedule.

5. (U) A proposal to eliminate or consolidate Type-3 manuals was submitted to the local Service representatives in January 1970. At a subsequent meeting with Service representatives, it was jointly determined that the concept had merit, and elimination or consolidation would be accomplished on a case-by-case basis for each weapon program. The draft revised TP B57-3 is the pilot model for consolidation.

6. (U) Unsatisfactory Reports (UR's) have been broken down into two categories: procedural UR's dealing only with technical procedures in the manuals and editorial UR's dealing with strictly editorial errors. The overall percentage rate of UR's reviewed versus UR's approved for manual change is 50.2%.

a. Since December 1969, 163 procedural UR's have been reviewed and, of those, 81 UR's were approved for manual change actions.

b. In the same period, 60 editorial UR's were reviewed, and 41 were approved for manual change actions.

7. (U) Official FCAG records reveal that this division continues to produce 19% of all correspondence released by Headquarters, FCDASA. Continued emphasis has been placed on the administrative function to seek ways and means to reduce the volume of correspondence to an acceptable work level. However, since correspondence generated by the division is in direct support of AEC and DOD requirements, major reductions in correspondence activity have not been realized, and the administrative function continues to operate at a saturated level.

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[redacted]

F. Quality Assurance Liaison Division (QALD)

1. (U) In carrying out its prime mission of observing the Atomic Energy Commission's (AEC) Quality Assurance Program, the QALD made numerous visits to the design agencies, the AEC manufacturing contractors, and various test sites. During trips to the AEC manufacturing contractors, particular attention was placed on manufacturing problems, data feedback and corrective actions taken to prevent recurrence of problems.

2. (U) Reports:

a. The twenty-sixth AEC Quality Assurance Program Report for the period 1 August 1969 to 31 January 1970 was submitted to Director, Defense Atomic Support Agency (DASA) on 18 February 1970. The eleventh semiannual Nuclear Weapons Reliability Report was submitted to Director, DASA on 11 February 1970.

b. The ninth semiannual QALD analysis and report on the Permissive Action Link (PAL) Operational Reliability for the Joint Chiefs of Staff was submitted on 13 March 1970.

3. [redacted] Comprehensive Test Plan (CTP):

a. B61. The B61 CTP was published and distributed to cognizant activities on 16 February 1970.

b. W62. The final W62/Mk 12 CTP has been agreed upon and signed by all cognizant agencies and is in the process of publication and distribution. Joint AEC/USAF mathematical modeling, mentioned in the previous report, has been abandoned; the effort involved in resolving differences between AEC and USAF reliability assessment techniques proved to be inconsistent with the hoped-for benefits.

c. W66 and W71. No meetings or formal Safeguard CTP activities were conducted during this reporting period. Further Safeguard activities await acceptance and publication of the Lance (W70) CTP, currently under review for publication. It is intended that the general content and format of the W70 CTP will serve as a guide for the Safeguard CTP's.

d. W68. The final W68-0/Mk 3 RB CTP has been agreed upon and signed by all cognizant agencies and is in the process of publication and distribution.

e. W69. No meetings of the W69 Comprehensive Test Plan Group (CTPG) have been convened, and no significant CTP activity has taken place since the previous report. San Antonio Air Materiel Area plans to complete the W72 CTP before starting the W69 CTP.

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[redacted]

f. W70. Sandia Laboratories completed a preliminary draft of the Lance CTP in January 1970 and distributed it in February 1970. Informal comments by Munitions Command (MUCOM) were generally favorable. However, MUCOM's theories concerning reliability assessment and comprehensive test planning in general are not in complete agreement with those of the AEC. For this reason, it is likely that problems concerning joint modeling, CTP philosophy differences, etc. will develop, and that further coordination between MUCOM and AEC will be required prior to final approval of this CTP. The publication date for the W70 CTP cannot be projected at this time.

g. W72 (formerly BA72). The CTPG chairman, representing the USAF, has established August 1970 as a goal for completing the CTP. Ad hoc meetings are scheduled between the two principal agencies (AEC and USAF) to generate a document which can be ratified by the complete CTPG. In general, test planning has been completed and writing the CTP itself should be relatively routine.

4. (U) Field Trip Activities. Officers assigned to this division made the following trips during this reporting period:

DATES	LOCATION	PURPOSE
5-9 Jan	Headquarters, Defense Atomic Support Agency (HQ DASA)	Quality Assurance Matters
6-7 Jan	Wright-Patterson Air Force Base	W69 Joint Test Working Group (JTWG)
6-8 Jan	Pantex Plant	Quality Survey
12-16 Jan	Hawaii	Joint Atomic Energy Commission (AEC) and Navy Scheduling Conference
19-23 Jan	San Antonio Air Materiel Area (SAAMA)	Stockpile Sampling and Maintenance Scheduling Group (SSMSG) Meeting
26-30 Jan	Picatinny Arsenal	W70 Project Officers Meeting (POM)
27-28 Jan	Seattle, Washington	W69 POM
3-5 Feb	Los Angeles, California	Reliability Symposium

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DATES	LOCATION	PURPOSE
3-6 Feb	Pantex Plant	Quality Survey
4-6 Feb	White Sands Missile Range (WSMR)	W69 Development Flight
9-13 Feb	Mound Laboratory	Quality Survey
9-13 Feb	Wright-Patterson Air Force Base	W72 Reliability Sub-committee
10-13 Feb	Bendix Plant	Quality Survey
10-13 Feb	Colorado Springs, Colorado	W66, W71 Safety and Reliability Working Group (SRWG)
12-15 Feb	Pantex Plant	Quality Survey
16-20 Feb	Pantex Plant	W62 Laboratory Testing Program Evaluation (LTPE)
24-26 Feb	Rocky Flats	Quality Assurance Matters
2-6 Mar	Burlington Plant	Quality Survey
9-10 Mar	Los Angeles, California	Quality Assurance Matters
15-17 Mar	Sunnyvale, California	W68 POM
17-20 Mar	Picatinny Arsenal	Reliability Assessment Technique Meeting
18-20 Mar	Sandia Laboratories, Livermore (SLL)	Quality Survey
19-21 Mar	WSMR	W66 Development Flight
22-25 Mar	Eglin Air Force Base, Florida	W40 Stockpile Flight Test (SFT)
23-27 Mar	Pinellas	Quality Survey
24-25 Mar	Lawrence Radiation Laboratory (LRL)	W62 JTWG

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DATES	LOCATION	PURPOSE
30 Mar - 3 Apr	Bendix Plant	Quality Survey
6-10 Apr	Oak Ridge, Tennessee and Savannah River	Quality Survey
7-10 Apr	Sunnyvale, California	W68 Comprehensive Test Plan Group (CTPG)
13-14 Apr	Rocky Flats	Quality Assurance Matters
13-16 Apr	Ft. Bliss, Texas	Safeguard Staff Planners Course
13-17 Apr	Pantex Plant	SSMSG Meeting
14-15 Apr	Blanding, Utah	Pershing Scheduling Meeting
14-17 Apr	Mountain View, California	Fuze Program Working Group (FPWG) Meeting
20-24 Apr	Picatinny Arsenal	W66, W71 JTWG's Army Quarterly Scheduling Conference
4-6 May	Kelly Air Force Base	W62 CTPG
4-6 May	LRL	W48 Quality Assurance Program Planning Committee (QAPPC)
4-6 May	Pantex Plant	Quality Survey
4-8 May	Denver, Colorado	Systems Analysis Training Course
5-7 May	HQ DASA	Discuss publications on stockpile quality assurance matters with DASA staff
14 May	Nevada Test Site (NTS)	Observe Stockpile Laboratory Tests
18-22 May	HQ DASA	Discuss Quality Assurance Matters

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DATES	LOCATION	PURPOSE
20-22 May	Pantex Plant	W62 LTPE
24-28 May	Bendix Plant	Quality Survey
26-28 May	Tonopah Test Range	Observe series of Stockpile Flight Tests
8-12 Jun	Rocky Flats	Quality Survey
9-10 Jun	Seal Beach NWS, California	W45 Quality Assurance Service Test (QAST)
15-19 Jun	El Paso, Texas	W66, W71 SRWG's
15-19 Jun	Pinellas	Quality Survey
21-24 Jun	Blanding, Utah	W50 SFT
22 Jun	Fallbrook Annex, California	W72 Buildup
22-26 Jun	Philadelphia, Pennsylvania	Explosives and Explosive Devices Seminar

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G. Communications-Electronics (C-E) Division (FCSM9)

1. (U) The following Class IV Projects were completed during the reporting period:

a. Signal Project DAS-AFC-00100-16-69 - Communications Equipment for Building 203B and H-J Bay Plant II was completed with the acceptance and operation of the Command and Control Computer Complex in April 1970. Cost of this project was $4,396.29. The U.S. Army Corps of Engineers will reimburse FC DASA for this project.

b. Signal Project DAS-AFC-00100-18-69 - Communications Equipment in Support of the Advanced Electromagnetic Simulator (ARES). Project was completed in April 1970. Cost of this project was $15,310.46. Kirtland Air Force Base will reimburse FC DASA for this project.

c. Signal Project DASA-FC-SIG-171-67-DEV - Telephone Central Office Automatic Testing System was completed in June 1970 with the arrival of the technical drawings from Northeast Electric. Cost of this project was $53,644.34.

2. (U) All communications facilities at Bossier Base, Louisiana, were deactivated or turned over to Barksdale AFB concurrent with the transfer of the Base to the Air Force in January 1970.

3. (U) The Field Command Remote Radio Site at Belen, New Mexico, was deactivated effective 30 June 1970. The last circuit on the single-sideband network had been discontinued on 19 April 1970. The purpose of this facility was to provide alternate survivable communications among FC DASA, DASA bases, and the Defense Communications System. With the inactivation or transfer of four bases and construction of a microwave system between Manzano Base and the hardened AUTOVON facility at Socorro, New Mexico, this facility was no longer required. Deactivation of this site and associated functions at the Field Command Relay Center caused 56 Army and Air Force personnel slots to be eliminated.

4. (U) A microwave system between Plant II, Manzano Base, and the hardened America Telephone and Telegraph AUTOVON facility at Socorro, New Mexico, was installed by Mountain Bell Telephone Company. The Telecommunications Service Request for this system was signed on 29 May 1969; construction of the system began on 26 January 1970, and the system became operational on 29 March 1970. Seven AUTOVON and one AUTOSEVOCOM circuits were immediately placed on the system. Western Union delayed putting an AUTODIN circuit on the system until 6 July 1970. With construction of this system, FC DASA now has an alternate entry into the Defense Communications System. This entry has the following advantages:

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a. It does not pass through densely populated areas.

b. Facilities at both ends are hardened.

c. It is contractor-installed, operated and maintained. Therefore, no government equipment or personnel are required.

5. (U) Modification No. 2 to Agreement AT (29-2)-2532 between Manager, AEC, and Commander, FC DASA was signed by Major General Nye on 20 February 1970. This update of the Interagency Support Agreement resulted from an Office of the Assistant Secretary of Defense (OASD) Auditor comment that the AEC was being furnished administrative telephone support by FC DASA and, as such, should pay their proportionate share of the overhead. This agreement provides that AEC will reimburse FC DASA based upon the number of telephone lines being used by each party. Initial budget estimates project that AEC will reimburse FC DASA an additional $332,000.00 under this agreement.

6. (U) The following changes were made to the Sandia Base AUTOVON capability:

a. All AUTOVON trunks were converted to direct in-dial on 2 February 1970. With this arrangement, any person calling a station on Sandia Base can directly dial the station without operator assistance.

b. All AUTOVON trunks previously homed on the obsolescent crossbar switch at Colorado Springs, Colorado, were rehomed to the Electronic Switching Center at Socorro, New Mexico on 2 February 1970.

c. Five additional AUTOVON trunks were installed between Sandia Base and the AUTOVON switch at Socorro on 15 April 1970. The requirement for these trunks was generated by the amount of traffic.

7. (U) The following is a chronological listing of significant events associated with the communications portion of the Command and Control Computer Complex:

a. January 1970. Continuing software problems with the IBM 360/30 precluded formal Defense Communications Agency (DCA) acceptance of this system on 5 January as scheduled. A list of deficiencies in the 360/30 was given to IBM for correction. The 360/40 was successfully pretested; however, the single card retrieval subprogram was unacceptable.

b. February 1970. U.S. Army Strategic Communications Command (STRATCOM) test and evaluation team began formal DCA acceptance testing of the 360/30 system on 2 February 1970 and completed testing on 6 February 1970. Conditional acceptance was given subject to correction of hardware and software discrepancies. The 360/40 acceptance testing began on 9 February 1970, but tests were considered a failure on 11 February 1970 because of accumulated errors. This failure, along [redacted]

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with poor performance of the 360/30, prompted a curtailment of further tests pending arrival of Mr. Kahn, DASA Contract Representative, who conducted further negotiations with IBM.

c. March 1970. STRATCOM and DCA representatives provided the final test report on the 360/30/40 system with a conditional acceptance certificate. This certificate approved the system pending Field Command testing of the discrepancy list with a certification to follow.

d. April 1970. Continuing work on the 360/30 problems by Field Command personnel resulted in successful operations with the Norton AFB AUTODIN switch. Local Digital Message Exchange (LDMX) line operation of the 360/30 began 19 April 1970 for line traffic. IBM agreed to further work on the 360/40 LDMX package. DASA received DOD approval for purchase of a second 360/40 for data processing work.

e. May 1970. Final cleanup of software for the 360/40 was principally accomplished by efforts of SP5 Mazzone, Data Automation Division, and Field Command Relay Center (FCRC) personnel in the period April-May 1970. FCRC accepted the 360/40 in May, however, because of a backlog of the Automatic Data Processing (ADP) production work, the 360/40 limited actual LDMX operation other than testing.

8. (U) With the transfer of all support functions from Manzano Base to Sandia Base, the C-E Division on 8 March 1970 assumed responsibility for all administrative telephone and electronic equipment repair at Manzano Base. The C-E Division was augmented with three personnel formerly assigned to the Communications Section at Manzano Base. (This section had been authorized ten personnel.)

9. (U) Effective 1 January 1970, the functions and 54 personnel of the FCRC were transferred from Manzano Base to the C-E Division. Previously, FCRC had been under operational control of the C-E Division.

10. (U) A Mode V AUTODIN terminal was installed at Plant II, Manzano Base, on 3 April 1970. This terminal is capable of transmitting and receiving 100-words per minute teletype traffic from the Automatic Switching Center at Gentile AFB, Ohio.

11. (U) On 13 April 1970 a conversion kit was installed on the UNIVAC 1004 AUTODIN Terminal, which increases the capability of the printer from 64 to 73 characters. The additional characters were required by the Nuclear Materiel Directorate cataloging effort as they began using the AUTODIN system rather than a leased data phone.

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12. (FOUO) A Cost Comparison Study of the Sandia Base Administrative Telephone System was reaccomplished and forwarded to HQ DASA on 8 April 1970, with no recommendation from Field Command. The OASD (Comptroller) Resident Auditor commented that continued government operation appeared most economical. Evaluation of the study by DOD Installation and Logistics and HQ DASA is continuing.

13. (FOUO) On 4 June 1970, HQ DASA directed that the commercial telephone company be given responsibility for providing unoffical service to residents of Sandia Base. This action will cause a loss in revenue to FC DASA amounting to over $90,000 per year.

When separated from inclosures, handle this document as

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Excluded from automatic
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NUCLEAR MATERIEL DIRECTORATE
Captain R. W. Maiden, SC USN, Chief

I. (U) ACTIVATION: This subject was covered in the historical report for the period 1 July - 31 December 1962.

II. (U) MISSION: This subject was covered in the historical report for the period 1 July - 31 December 1962.

III. (U) ORGANIZATION:

A. The overall Directorate organization was covered in the historical report for the period 1 July - 31 December 1966.

B. As of 30 June 1970, the Nuclear Materiel Directorate consisted of the Office of the Chief, Administrative Services Office, Technical Reference Office, Plans and Programs Division, Materiel Control Division and the Cataloging and Standardization Division. The Office of the Chief, Nuclear Materiel Directorate, had no subelements. Inclosure #1 is the organizational chart for the Directorate.

C. As of 1 May 1970, the Materiel Support Division (FCNM4) was transferred to the Nuclear Training Directorate.

IV. (U) PERSONNEL:

A. The following key personnel were on duty during the period 1 January - 30 June 1970.

	Date of Assignment to DASA
CAPTAIN R. W. MAIDEN Chief, Nuclear Materiel Directorate since 11 August 1967	31 July 1967
LTC R. D. WIDEMAN Chief, Plans and Programs Division 1 September 1967 - 16 January 1970	1 September 1967
LTC CHARLES M. THOMAS Chief, Plans and Programs Division since 16 January 1970	10 December 1969

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	Date of Assignment to DASA
Lt Col L. C. McNULTY Chief, Plans and Procedures Branch since 7 September 1967	20 August 1967
CAPT LAYMON R. HOPKINS Chief, Systems Analysis Branch since 22 August 1969	4 August 1969
Mrs. E. E. CARUTHERS, CIVILIAN GS-11 Chief, Data Automation Branch since 1 June 1967	25 June 1951
CDR ANTHONY H. CATANACH Chief, Materiel Control Division since 30 June 1969	23 June 1969
MR. V. E. TRIMBERGER, CIVILIAN, GS-14 Chief, Weapons Systems Management Branch since 17 April 1960	13 August 1951
Mr. B. V. LaTRONICO, CIVILIAN, GS-13 Chief, Weapons Materiel Management Branch 25 November 1963 - 26 June 1970	2 February 1948
MR. RUSSELL L. EDWARDS, CIVILIAN, GS-14 Chief, Cataloging and Standardization Division since 1 June 1964	8 March 1949
MR. FRANK R. CAMPERELL, CIVILIAN, GS-13 Chief, Federal Standardization Branch since 15 November 1961	1 January 1947
MR. PHILIP R. STOBER, CIVILIAN, GS-13 Chief, DASA Cataloging Branch since 15 November 1961	3 October 1951
MR. HUGH R. PUTNAM, CIVILIAN, GS-13 Chief, Federal Cataloging Branch since 27 October 1963	2 February 1953

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	Date of Assignment to DASA
MAJOR HUBERT G. STANTON Chief, Materiel Support Division 12 June 1969 - 30 April 1970	12 June 1969
CW3 SAUL BIRDSHEAD Chief, Instrument Repair and Calibration Branch 1 November 1969 - 30 April 1970	25 July 1969
CMSGT LEWIS M. SHIELDS Chief, Maintenance Branch 1 April 1967 - 30 April 1970	25 January 1962

B. There were six civilian shortages in assigned personnel as of 30 June 1970 (Incl 2). Deducting personnel assigned to the Materiel Support Branch due to transfer of the function, there were 131 persons assigned as of 31 December 1969. Fourteen persons departed and nine persons reported for duty during this period for a net decrease of five in assigned strength from the 31 December 1969 assigned strength. There was an average of 128.2 persons assigned during this period for a decrease of 2.8 persons as compared to the preceding six months. Two persons terminated employment; however, they were carried as assigned on extended terminal sick leave as of the end of this period. There was a total of 3,232 less man-hours available as compared to the preceding six months. This decrease breaks down as 693 military man-hours, 2,219 civilian man-hours and 320 civilian man-hours due to extended sick leave.

C. On 11 May 1970, one vacant Equipment Specialist, Ordnance billet was converted to an Electrical Engineer billet within the Federal Standardization Branch.

D. On 8 March 1970, four billets were vacated and filled through Reduction-In-Force actions.

V. ACTIVITIES

A. (U) Nuclear Materiel Directorate (FCNM)

1. Facilities. The new facility for the Plastics and Fabrication Shop, Materiel Support Division was cancelled. A survey was conducted by the Plans and Programs Division of the fabrication function. The findings reiterated that:

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a. Only a very small effort was associated with direct mission support.

b. The combined direct and indirect mission support accounted for less than 50 percent of available manhours.

c. The cost of items being fabricated exceeded the cost of alternate sources such as Defense Supply Agency (DSA), Local Purchase, etc., by approximately 200 percent.

Based on the overall findings of this survey, the new facility was cancelled and the function eliminated in May. The four persons assigned were placed in Sandia Base functions at no loss in pay.

2. Security.

a. There were no security violations during this period. The Directorate received the Sir Gaard Award for 1969 and certificates of recognition to the secondary account custodians for the successful security program. An inspection of document control and handling was conducted by the 901st Military Intelligence Detachment in June. No major discrepancies were noted. It was significant that because of the excellent condition of classified account that the inspection encompassed a 50 percent document check instead of the normal 10 percent spot-check. Favorable comments were also received on the excellent security training program.

b. Critical Nuclear Weapon Design Information (CNWDI). 75 percent of assigned personnel were under the CNWDI program. This was a 1 percent increase from the preceding six months. The extensive administrative requirements of the CNWDI program preclude a reduction of personnel under this program.

c. Building 130. Security Military Police were removed from the building on 8 March giving unlimited access to all personnel. Building lockup and alarming were delegated to the building occupants. No significant problems were encountered under the changed procedures. The requirement to wear secruity badges was concurrently eliminated.

3. Training. Training accomplished during Fiscal Year 1970 (FY 70) was:

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a. Off base.

(1) General Management - five persons.

(2) Automatic Data Processing (ADP) - four persons.

(3) Communications and Office Skills - 12 persons.

(4) Personnel Management - six persons.

(5) Air Force Ballistic Missile Staff Course - three persons.

(6) Factory Sponsored Technical School - four persons.

(7) University of New Mexico Sponsored Seminar on Intergovernment Relationships - one person.

b. On base.

(1) Weapons Orientation Advanced - two persons.

(2) Office Skills - six persons.

(3) First Aid - 11 persons.

A staff study prepared by the Nuclear Training Directorate (FCTG) in April indicated sufficient need for ADP training within FCDASA to warrant establishment of a local course. On the basis of this study off base training in ADP was cancelled for six persons within FCNM. Local training in ADP skills for the six FY 70 cancellations was scheduled for FY 71.

4. Cost Reduction. The closing of the Fabrication Shop (paragraph V A 1) was submitted in the cost reduction area of "Elimination of Marginal Activities." The cost reduction savings credited to this action were:

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	FY 70	FY 71	FY 72	Total
Civilian Salaries	$ 2,615	$38,000	$38,000	$ 78,615
Supplies		7,500	7,500	15,000
Military Construction	121,000			121,000
Total	$123,615	$45,500	$45,500	$214,615

In addition to the credited cost reduction savings, elimination of the Fabrication Shop also released heavy shop equipment valued at approximately $25,000 for redistribution and made two buildings or 8,880 square feet (valued at $125,152) available for other purposes.

5. Employee Suggestion Program.

	FY 69	FY 70	Variance	FY 70 Participation
Civilian	10	7	- 3	5.1%
Military	9	1	- 8	3.9%
Total	19	8	-11	4.9%

The FY 70 participation was 6.0 percent less than FY 69.

6. Cost Avoidance Savings. The following cost avoidance actions were completed but did not meet the criteria of the Cost Reduction Program.

a. One thousand four hundred twenty-three items, valued at $142,300, were eliminated from the supply system. These were AEC special design and quality controlled major items and military spare parts which never had been and/or were no longer considered to be items of supply.

b. Utilization of material obtained from retirement of certain weapon programs and from unreported excesses served to satisfy valid needs and avoided procurement of spare parts. The total cost avoidance for the period was $65,359. $22,545 for Army; $21,665 for Navy; $20,021 for Air Force; and $1,128 for DASA.

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B. (U) Plans and Programs Division (FCNM1)

1. Plans and Procedures Branch

a. Defense Automatic Addressing System (DAAS). DASA participation in the DAAS program was still contingent upon the determination of adequate security safeguard prior to any participation other than review of DAAS publications. A staff study on DAAS was completed, details of which are reported under the Systems Analysis Branch.

b. O&M Budget.

(1) The final review of the FY 70 Budget was completed in March. It was determined that civilian pay for support of the Advanced Research Electromagnetic Pulse Simulator (ARES) program was not reimbursable and necessary corrections were included. Concurrent action was also required to correct the Interservice Support Agreement which had been approved based on an erroneous interpretation. Change #2 to the Interservice Support Agreement was published to correct the discrepancy at the request of FCNM. $2000 supply money was also transferred from the Materiel Support Division to the consolidated FCNM account to support anticipated increase in FY 71 requirements. The money was available due to the elimination of the Fabrication Shop in May.

(2) The FY 71 Budget was reviewed in March with no significant changes required.

(3) The FY 72 Budget was developed and closely paralleled the FY 71 Budget with the following exceptions.

(a) DATANET costs were eliminated.

(b) Twenty-one typewriters were programmed for replacement.

c. A staff study on improved management of nuclear ordnance materiel was completed in June which recommended FCDASA as the Department of Defense (DOD) integrated manager for all Atomic Energy Commission (AEC) produced and quality controlled nuclear ordnance materiel. Under this concept the service warehouses would be eliminated by direct support from FCDASA to the users. This was a concept paper due to the short suspense and did not detail the final impact as to manning, savings or facilities.

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d. Prior notice security inspections were performed in June of all directorate activities in preparation for the 901st formal inspection. Significant administrative discrepancies were noted and corrected on the spot. The results of the 901st inspection proved the merit of the internal inspection procedures.

e. Output Measurements. Division inputs were reviewed for inclusion of more comprehensive data and expanded reporting. New criteria was not finalized at the close of this reporting period. FY 70 data is included as inclosure 6.

f. TP 100-1. Change 1 to TP 100-1 was submitted to the Joint Atomic Weapons Publication System (JAWPS) on 27 April 1970 for editing, coordination and publication. All comments by interested activities had been received by 22 June 1970 and the change was scheduled for publication during August 1970. The change incorporated all but one of the unresolved items mentioned in the preceding history. The AEC had not determined their concurrence or capability to provide delivery schedules for military spares; therefore, this remained an unresolved item with the Air Force.

2. Systems Analysis Branch

a. A staff study concerning DASA participation in DAAS was completed. DAAS was a computerized system for automatic routing of MILSTRIP (Military Standard Requisitioning and Issue Procedures) and MILSTRAP (Military Standard Transaction Reporting and Accounting Procedures) supply documents to appropriate destinations. The study concluded that:

(1) DASA should not participate in DAAS.

(2) Nuclear ordnance data already loaded in the DAAS file by participating activities should be removed. The purpose of the staff study was to support the FCDASA position previously determined or to identify further action required by FCDASA. Since the recommendations agreed with prior decisions no further actions were initiated.

b. A survey of the storage function, Materiel Control Division was initiated. The purpose of the survey was

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to analyze the procedures and workload of the storage function to assist future decisions on reductions in manning or to aid in determining increased manning requirements in support of possible missions/concept changes. The estimated target date for the completion of the survey was 31 August 1970.

3. Inventory Office. There were seven major groups of nuclear weapons materiel scheduled for inventory and six groups were completed. 69 of 1,945 line items required adjustment which represented 0.8 percent decrease in inventory effectiveness from the prior year as computed by the old method of effectiveness. 3,825 of 851,098 units inventoried required adjustments for an inventory accuracy of 99.6 percent. The following was the detailed data by groups:

Group	Total Units	Adjusted Units	Inventory Accuracy
Class 21, Group 4	308,421	131	99.9%
Class 21, Group 5	346,888	2705	99.2%
Class 21, Group 6	181,708	889	99.5%
Class 09	9,768	100	99.0%
Class 22	3,314	0	100%
Classified Items	999	0	100%
Total	851,098	3,825	99.6%

4. Data Automation Branch

a. Seventy-five percent of the branch effort was participating as members of working groups established at division level to work directly with the computer analysts in further developing the requirements and specifications for the follow-on computer. This included development of an interim system for handling the DD146 data received from the Defense Logistics Services Center (DLSC) by the Atomic Ordnance Cataloging Office (AOCO) due to a mission transfer as detailed in paragraph V D 2 a.

(1) New data elements were approved and added to the data base data elements lists.

(2) New decision logic tables were prepared and submitted as backup for MILSTRIP/MILSTRAP transaction processing.

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(3) Audit requirements and program specifications were developed for a reject and statistical reporting program for catalog actions.

(4) Lesson plans were drafted for training employees in mechanized nuclear materiel management under the follow-on computer.

b. Requirements specifications were developed for: the Reference Number to Federal Item Identification Number (FIIN) and FIIN to Reference Number Data Sets (Cross Index); Federal Cataloging Item Data Set; DASA Cataloging Description Data Set; Freight Nomenclature Data Set; and DASA Cataloging Catalog Management Data Notification Publication Data Set. The specifications contained data required by DASA Instruction 7700.5, subject: Management Supporting Data Systems.

c. Data Systems Development.

(1) Data System: Nuclear Materiel Information System.

Milestone Title	% Completion	
	31 Dec	30 June
Basic Requirements Package		
System Design	95	99
Programming	0	50
Program Application		
System Design	0	100
Programming	0	10

(2) Data System: Nuclear Materiel Stock Record Accounting System.

Milestone Title	% Completion	
	31 Dec	30 June
System Design	0	30

(3) Data System: Nuclear Materiel Procurement System.

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Milestone Title	% Completion 31 Dec	30 June
System Design	0	10

(4) Data System: Federal/DASA Cataloging System.

Milestone Title	% Completion 31 Dec	30 June
Basic Requirements Package		
Data System Proposal	95	100
System Design	0	5
New AOCO Mission Requirements		
Data System Proposal	0	100
System Design	0	5
DD146 Sub-system Package		
System Design	0	100
Programming	0	75

(5) Data System: Calibration

Milestone Title	% Completion 31 Dec	30 June
Programming	50	--

Transferred to the Nuclear Training Directorate.

d. Full implementation of the Nuclear Materiel Integrated Management System was scheduled for Sep 71.

e. Improvement and Expansion of MILSTRAP. Seven Service/Agency conferences were held during this period and two of the seven were attended by FCNM personnel. Procedures published which required implementation by FCDASA subsequent to this report period covered:

(1) New data elements and codes.

(2) Method/Codes for control of in-flow documentation during physical inventory.

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(3) Format for a Storage Item Data Change Document.

(4) Format for planned requirements submission.

(5) Format to advise storage activities of reporting errors.

(6) Provisions for asset status and transaction reporting to accommodate Department of Defense Instruction 4140.37, subject: Asset Knowledge and Control of Secondary Items.

C. (U) Materiel Control Division (FCNM2)

1. Office of the Chief

a. Efforts for the improvement of material management continued. Considerable progress was made in the refinement and documentation of division procedures. Detailed logic flow charts for the advanced automated material management system were provided to the Comptroller (FCCT) for system analysis and programming.

b. The proposal for Nuclear Material Supply Consolidation (direct requisitioning from Navy user activities) did not come to fruition; however, continuing efforts were to be made to achieve this objective.

c. The Division Chief made a presentation on Nuclear Material Management to the Office of the Assistant Secretary of Defense, Installations and Logistics (I&L) study group investigating the feasibility of Integrated Material Management for Federal Supply Group (FSG) 58 and Federal Supply Class (FSC) 6625. The study group was apprised of the need to retain AEC designed or quality controlled nuclear ordnance items under the Integrated Material Management of FCDASA.

2. Weapons Systems Management Branch

a. Conferences and meetings.

(1) A Joint Task Group (JTG) met 6-9 January 1970 to review and evaluate Explosive Ordnance Disposal (EOD)

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procedures for the W68 program. The JTG was briefed on the development history of the W68-0/MK3 RB system and disassembled and rebuilt a Type 3C trainer, using the EOD procedures. There were no major difficulties encountered during the teardown or rebuild. Minor changes relative to assembly and disassembly operations, and several editorial changes were submitted for review, comment, and inclusion in the final Technical Order (T.O.) which was published 28 April 1970.

(2) On 8 January 1970, a Pre-Joint Configuration Working Group (JCWG) meeting was held for the W71 weapons program. The purpose of the meeting was to present the operational, logistical, maintenance, and EOD concepts and to discuss tentative dates for the accomplishment of events leading to the definition, procurement and delivery of type warheads to the DOD. Background information was provided to assist the DOD in the formulation of the quantitative and qualitative requirements for W71 "Type" weapons. It was agreed that an information package, summarizing the materiel covered in the meeting would be furnished to appropriate DOD plans and requirements organizations. This information was provided by the Atomic Energy Commission, Albuquerque Operations Office (AEC-ALO) letter dated 30 January 1970.

(3) A meeting was held at Kirtland Air Force Base on 5 February 1970 to correlate information on the MHU-109/C Drop Test Program. The program involved the modification of 16 each Type 3 trainers, into retarded drop shapes. The drop shapes were to be used to certify the MHU-109/C, a newly designed clip-in system. FCNM furnished supply support to the Air Force in the procurement and delivery of 18 line items. The first four units were modified by Manzano Base personnel. An additional eight units were modified by the Maintenance Support Division, Nuclear Training Directorate (FCTG4). As of 29 June 1970, 12 of the 16 drop shapes were delivered to Kirtland Air Force Base in support of this program. All of the parts required for the modification of the remaining units were on hand. FCTG4 estimated the modification of the last four units would be completed to permit delivery to Kirtland any time after 2 July 1970.

(4) The W70 Joint Configuration Working Group was convened at Sandia Laboratories, Albuquerque (SLA), 18 February 1970 for the purpose of defining a test warhead capable of satisfying Army objectives of the LANCE Engineering Test/Service Test (ET/ST) program. A type 2G warhead was configured to the

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satisfaction of all attendees. The configuration letter was published 25 February 1970. Army requirements for 20 Type 2G warheads were stated to the AEC for procurement via the Equipment Requirements Schedule (ERS) on 2 April 1970.

(5) A conference was hosted at Headquarters Field Command, DASA, on 27 February 1970 to discuss certain technical matters associated with the production of W58 Type 2F Operational Suitability Test (OST) weapons required by Navy and to discuss certain funding problems related to the production of these weapons. Present were representatives of Navy's Strategic Systems Project Office (SSPO), Washington, D. C.; Navy Plant representative from Lockheed, Sunnyvale, California; Sandia Laboratories, Livermore (SLL); Sandia Laboratories, Albuquerque; AEC-ALO, and various FCDASA offices. The Materiel Control Division representative established the general parameters of the conference by presenting the background and current status of the program, including the procurement and funding status of the program. The Sandia Laboratories, Livermore representative provided information to Navy representatives which completely resolved the technical requirements of the conference. With regard to the funding problem, an AEC-ALO Budget representative apprised Navy that, based on current funds commitments, an additional $1,000,000 was immediately required to permit the AEC to continue with the program. SSPO authorized a reduction in quantity from 141 each to 93 each, which represents the revised total requirement for this item. The AEC, as an exception to normal procedures, agreed to accept a statement of intent by Navy that additional funding required to completely fund 93 units would be furnished by September 1970. The $1,000,000 which was immediately required by AEC was provided by Basic Military Interdepartmental Purchase Request (MIPR) N0010470ZN038, dated 3 April 1970. The balance of the funds required, $3,360,500, was furnished by Amendment 1 to above MIPR dated 11 June 1970.

(6) On 25 and 26 March 1970, the Retrofit Task Group (RTG) met to evaluate procedures for the inspection of suspension lugs, as required by Product Change Proposal (PCP) 1-69, and to accomplish a tabletop rough draft review of the Preliminary Instruction Pamphlet (PIP). The procedures were satisfactorily performed on a B57 training unit, using workshop techniques, wherein the procedures were accomplished on a step-by-step basis. As a result of this exercise, the PIP was amended by the RTG members to incorporate wording changes and to rearrange

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the sequence of two of the steps. The procedures contained in the approved PIP were subsequently published in Retrofit Order TP B57-521, published 30 April 1970.

(7) A W71 Pre-Design Review and Acceptance Group (Pre-DRAAG) Meeting was held on 7 April 1970. The purpose of this meeting was to review the Preliminary Development Report and to consolidate FCDASA's position with respect to subject report. These objectives were accomplished and the report was accepted, subject to the clarification of some of the data relative to safety factors.

(8) On 9 April 1970, a Joint Configuration Working Group (JCWG) met at Sandia Laboratories, Albuquerque to define W71 Type 3A and 3B Warheads. The definition of both types presented by the JCWG were acceptable to the Army and generally followed the normal description for these types, with one exception. The major exception was that the Limited Life Components (LLC's) be designed so that they were completely incompatible with the War Reserve (WR) weapon. The formal configuration letter was published 24 April 1970. The Army planning requirements for four type 3A's and four type 3B's were furnished to the AEC on 22 May 1970 for planning purposes.

(9) Personnel represented the Nuclear Materiel Directorate at a Design Agency Coordinating Conference at Bendix Corporation, Kansas City, Missouri, 21-23 April 1970. The purpose of the conference was to review production and funding matters on the W55 program, for both WR and training units. Production and delivery pegpoints for the different entities required to support deliveries were reviewed in detail to determine those actions required to meet program objectives. Each piece part was reviewed to determine the status of materiel, tooling, and testers and/or the need for any changes in the design of the parts or tooling. Based on the piece part review, it was agreed that the majority of the items would not present any design or production problems. There were a few instances where it was deemed advisable to effect a change in design, tooling and/or production methods. In order to resolve this area, action assignments were made to appropriate design agency representatives.

(10) A conference was held at Navy Ordnance Systems Command Headquarters, Washington, D. C. 24 June 1970.

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The purpose of this conference was to discuss production, funding, and delivery matters on the [redacted] program.

(a) The input data provided by the FCNM2 representatives was:

1. Outline of some of the major problems involved in the production and delivery of type 2A warheads.

2. History of the W55 type 2A, from the FCDASA point of view, including supporting data to substantiate the necessity that type weapons be stated for procurement in a time frame which would permit their build and delivery concurrently with WR weapons.

3. Three alternate courses of action were offered to Navy: a multi-year funding plan with a firm statement of total required quantities of type units; a statement of the total quantities of piece parts in FY 71 with the balance of the funding for type units being stated in the following four Fiscal Years; and a statement of type requirements, in terms of units per year.

(b) The AEC-ALO representative provided input data in the following areas:

1. A comprehensive report relative to production and delivery of W55 weapons.

2. The advantages of a concurrent WR and type production run.

3. Specific examples of cost savings by producing piece parts under a onetime purchase as opposed to small lot buys.

(c) At the conclusion of the conference, all conferees agreed that alternate course number 1 (incremental funding with AEC to have freedom of action as to how money should be used) was the desired course of action. Navy representatives advised that implementation of alternate course number 1 must be held in abeyance pending approval by the Chief, Naval Materiel Command.

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(d) Two action items were accepted as a result of the conference. One was that FCDASA would prepare and furnish a draft format of the MIPR to Naval Ordnance Systems Command (NAVORDSYSCOM). The other was that estimated unit and total costs for type units would be developed by the AEC and provided to NAVORDSYSCOM through FCDASA.

b. Ninety-seven Item of Supply actions were processed for training weapons and test and handling equipment produced by the AEC. These supply actions represented the addition of 14 items into the supply system, the deletion of 37 items from the system and 46 changes to the supply status and/or standardization codes for these items. In addition, 168 line items of Service produced training weapons and test and handling equipment, used by DASA, were reviewed to determine appropriate Item of Supply actions. The results of this review involved the processing of 131 Item of Supply transactions. One of the 131 actions was to delete DASA as a user, the other 130 actions were to register DASA as a user of the items in C1100, Federal Supply Catalog.

c. The following supply actions involving the loan of materiels and/or the transfer of unreported excess property were processed.

(1) Thirty-eight loan transactions, involving 114 line items, were processed to obtain the loan of materiel for various DOD organizations and the return of such materiel to AEC organizations.

(2) Various quantities of nuclear weapons materiels, not previously reported as excess, were located within the DOD/AEC supply system to satisfy AEC and DOD requirements for 112 line items on a nonreimbursable basis.

d. Review of logistical and financial accounting in support of Air Force Program 437 was done on a continuing basis. Review of FY 71 funding was completed in April and furnished to Air Force for submission of FY 71 MIPR's. As a result of the Provisioning Planning Conference held on 30 Sep 69, the final S-Band Conversion Spare Parts List (SPL) was furnished Air Force in January 1970. An updated SPL, replacing the one dated 29 Dec 69, was completed on 22 Jun 70 and was also furnished Air Force. A gain of approximately 50 line items was reflected in the new listing and all items were on procurement; delivery of the spares was approximately 98 percent complete. Air Force agreed at the

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Information previously reflected in the foreword to the publication was included in the transmittal letters; consequently, the document was prepared on mats within FCNM2 in the form of a listing, reproduced and distributed by the Adjutant General (FCAG), and required no further publication assistance from FCNM3 or FCTG2.

1. A letter was received from Ammunition Procurement and Supply Agency (APSA), Joliet, Illinois, requesting the assignment of Federal Stock Numbers (FSN's) for field retrofitted items. This raised a question as to the significance of the drop number system utilized by the Army. On 25 March, a meeting was held in FCNM, attended by Mr. Beckett of APSA and representatives of AEC-ALO, SLA, FCSM, Army Materiel Command Field Office (AMCFO) and FCNM personnel. As a result of this meeting, it was agreed that TP 40-1 would be revised to clarify that, in a majority of instances, the drop number/retrofit number automatically changes the AEC part number suffix to the next higher number. In cases where the system required other arrangements, the Retrofit Order would provide specific marking instructions. This procedure was concurred in by Army (APSA), AEC-ALO, SLA and Field Command personnel and TP 40-1 was being revised to reflect this clarification.

m. The Third Quarter Review of the FY 70 Operating Budget and the revised FY 71 Operating Budget Estimate were completed in March. The budget estimate of $3,145,000 for FY 71 was decreased by $3,010,000, due to the slippage of two programs to FY 72 and one to FY 73, leaving a FY 71 balance of $135,000. Since the fund allocation for FY 71 included $606,000 for two of these programs, the FY 71 budget was adjusted to $741,000.

n. The Long-Range Procurement Defense Agencies (PDA), FY 72 through FY 76, Budget Estimates, including capital equipment for the same period, were reviewed and submitted to FCCT6 in April. The estimates did not provide for training type weapons at DASA bases.

o. By letter of 25 March 1970, Director, DASA, requested that FCNM secure and consolidate Service Reimbursable Budget information formerly compiled by DASA. DASA OPMT letter of 24 March 1970, subject: "Procurement, Defense Agencies Budgets, Service Estimates" requested the Services to submit their current and all future inputs for these budgets to FCDASA in lieu of Headquarters DASA. The DOD Revised FY 71 Budget Estimates, Reimbursable, were received, consolidated, and submitted to FCCT3 in May.

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p. A consolidated listing of the Services and DASA planning requirements for type weapons, test and handling equipment through FY 76 was prepared and submitted to the AEC Budget Division in January. The list was updated in May to conform with Service revisions. This information was provided in accordance with AEC/FCDASA Standard Unit Cost (SUC) procedures. The AEC utilizes the data for programming and production planning purposes as well as to assist in establishing an early SUC for this equipment.

q. In May, a Spare Parts Standard Price List, applicable to an AEC contractor, was made available by AEC-ALO. Each year, the AEC-ALO establishes a Standard Price List for parts produced by each contractor. These prices were generally maintained for one fiscal year. The prices were to be processed into the DASA Catalog to update unit costs on the AEC parts which are items of supply and may be used by the DOD for procurement and Financial Inventory Accounting (FIA) purposes.

r. The monthly performance report was revised to list the following actions: Redistribution of Reserve Stock; Off-Schedule Procurement; Items of Supply reviewed, added or deleted; NWEL Authorizations; Unit Cost Requests; documents reviewed; correspondence prepared; and conferences attended. The revised reporting format was to be utilized beginning 1 July 1970.

s. The Program Application File for AEC special design type weapons, major assemblies, test and handling equipment (ownership and Class 701,702, 703 respectively) was revised to reflect all current Items of Supply (IOS) and their applications. All items not considered to be IOS were deleted. All current IOS's were included, together with all current applications, in the new ADP format. A total of 788 IOS's were included in the Program Application File for these classes.

t. One thousand three hundred eighty-eight Army produced spare parts and 352 Navy produced spare parts (ownership and Class 707 and 709 respectively) were researched for inclusion in the Program Application File. Of the total 1,740 items, 453 were deleted as either obsolete or no longer required, and 1,287 items of supply were retained. In addition, DASA was recorded as a "user" on 373 Army special design and 83 Navy special design items of supply.

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u. As a result of changes to TP 35-51 and TP 40-54, 333 general maintenance items originally reflected in the referenced TP's as AEC part numbered items were transferred from Base Spares to Military Spares by use of Military/Society Specifications. These items were researched and analyzed, and it was determined that additional information was needed by the Service Control Points (SCP's) to facilitate the transfer of on-hand stocks of Base Spares to Military Spares. Special cross reference listings providing Federal Stock Numbers (FSN's) for the newly assigned specifications were being furnished on an incremental basis. Many of the AEC part numbers also appeared on various weapons Spare Parts Lists (SPL's). A listing of the applicable SPL's was to be provided to the Services so that the AEC part number could be deleted from all applications and replaced by the appropriate specification. In addition to the above, Inventory Managers were advised of the items being deleted from the system, and FCNM3 that the items were candidates for deletion from the C1100 pending Service's "user" withdrawal. The items were to be deleted from the program application file after receipt of Service concurrence.

v. The following actions were completed relative to the management of Items of Supply required in support of the Nuclear Weapons Program. (Jul-Dec 69 totals in parenthesis):

(1) Number of military spare parts for which no known application existed were, or will be, removed from the supply system and subsequently from the C1100 Federal Catalog:

(a) Total number researched (706).. 759

(b) Total to be deleted from C1100 and the supply system as a result of the research (459)..... 481

(c) Total number of items requiring further review and coordination with the Services (192)..... 219

Sub-total (b) and (c) (651).... 700

(d) Total number of items in process for which Service replies have not been received (55)..... 59

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(2) Additional number of military spare parts, for which current applications exist but for which DASA is not a user:

(a)	Total number researched (1,063).....	1,063
	Less number now used by DASA.....	-8
	Revised total not used by DASA.....	1,055
(b)	Total number retained (901).....1,011	
(c)	Total items deleted (36)..... 44	
	Sub-total (b) and (c) (937).....	1,055
(d)	Total number remaining to be processed (126)..... Action completed.	0

(3) Action was continued to obtain separate FSN's for those items of military spare parts which are also base spares:

(a)	Total number of military spare parts requiring the assignment of separate FSN's (1,162).....	1,164
(b)	Total number of FSN's obtained to date (961).....	1,146
(c)	Total number in process (201).....	18

The estimated date of completion of this project was revised from March 1970 to September 1970.

w. On 17 March 1970, a letter was dispatched to AEC-ALO, requesting the establishment of a Joint Working Group to consider and resolve certain problems of mutual interest to AEC, SLA and the DOD.

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(1) Some of the problems were:

(a) The incomplete conversion of certain general maintenance type items (sometimes referred to as Packaging and Preservative Items) from AEC part numbered items to Military/ Society Specifications, thereby transferring the items from Base to Military Spares.

(b) The lack of adequate information relative to the shelf life of the general maintenance items, including test restorative information.

(c) The lack of adequate cross-references, of the general maintenance items, as these items are converted to specifications.

(2) The AEC agreed to the establishment of such a Joint Working Group and on 8 June 1970, the first meeting of the Group was convened. The Group generally concurred in the following short-range goals:

(a) The establishment of a better release (authorization) system for use by SLA, in establishing a requirement for specified general maintenance type items.

(b) The standardization of such items for use in the system.

(c) The possible discontinuance of the term "Packaging and Preservative" items in favor of a more representative term such as "General Purpose" or "General Maintenance."

(d) The elimination of duplicate or near duplicate items in favor of one usable item.

(e) The elimination of general descriptive type items such as lumber, nails, envelopes, etc., which were too generally described and the choice too broad to permit the assignment of specifications/standards and Federal Stock Numbers.

(3) Several long-range goals were also discussed and tentatively agreed upon.

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(a) To investigate the availability of materiel from AEC generated excess and establish procedures required to obtain the materiel for Base Spares support.

(b) To investigate the availability of AEC generated scrap materiel and establish procedures by which to obtain such materiel, on a no-charge basis, for support of training equipment.

(c) To review the Base Spares System as to possible improvement in reporting procedures (expansion of), stock requisition procedures, etc.

The Working Group was to meet monthly until such time as appropriate progress indicated a requirement for less frequent meetings.

3. Weapons Materiel Management Branch

a. Technical Publication 100-2. The galley proofs of TP 100-2, Supply Management of Limited Life Components (LLC's), were sent to the printer 18 June 1970. Distribution of this TP was scheduled for August 1970. TP 100-2 will exclude LLC transportation data which was incorporated in TP 45-51 and TP 45-51A.

b. Technical Publication 40-1. A recommended revision to Section 2, DASA TP 40-1, Field Modernization and Retrofit Orders, was forwarded to FCSM6 in May 1970. The purpose of the revision was to provide a more comprehensive explanation of field markings and drop numbers resulting from retrofits, and to explain their association with factory new production retrofits. The recommended change explained that an item having a higher field marking would be synonymous with the factory new production part number suffix. The detailed criteria of Section 2, Modification and Alteration Numbering System, was designed to prevent the assignment of unauthorized federal stock numbers. The revision was planned for publication during July 1970.

c. Summary of Limited Life Components (LLC) Supply.

(1) During this reporting period, 2,071 LLC kits valued at $21,580,000 were shipped from AEC-contractor plants to DOD military first destinations. These kits supported 28 LLC

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recycle programs within 16 weapons systems. The quantity represents 44 percent of the FY 70 total of 4,703 LLC kits shipped which were valued at $47,833,000.

(2) Eight LLC recycle programs were started during FY 70. Nine LLC recycle programs were completed during FY 70.

d. W28 Limited Life Components Support. Due to the lack of firm retirement plans, a tentative arrangement was made with AEC-ALO and USAF for LLC support of all W28 ALT 216 weapons prior to expiration during FY 71. Upon receipt of the DOD weapons allocation approval, this arrangement was to be revised as necessary to support the weapons to remain in the stockpile.

e. B61 LLC Supply Support. LLC shipments for the support of the B61 recycle was to start in July 1970. In addition to the LLC's, 25 sets of cables were to be furnished the Services for a one-time continuity check accomplished in conjunction with the LLC exchange.

f. Base Spares Group X (BSGP X) Kits. During this reporting period, the AEC-contractor began one-for-one BSGP X kit monthly shipments on six programs (W28, W43-2, W45Y1-0, W45-3R, W56-2, -3 and W58).

g. Summary of Retrofit Material (RM) Supply. As of 30 June 1970, the total material value of all retrofit programs currently supported (some of which cover several years' span) was estimated at $21,469,454.

(1) Six programs were added. Deliveries of material and supply support for five programs were completed, leaving a total of 14 programs supported.

(2) There were eight current War Reserve weapons programs at an estimated cost of $21,442,619 which were AEC funded.

(3) There were six Type weapons, Test and Handling Equipment programs, with an estimated cost of $26,843, which were DOD funded.

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(4) The total cost of the six programs added was $776,835. The total cost of the five programs completed was $3,082,198.

(5) The net decrease in monetary value of the AEC and DOD funded retrofit material for this reporting period was $2,305,593.

h. Review of Account HD1029 Class 322. The material in this account consisted of AEC funded BSGP X kits for support of LLC exchanges, retrofit kits, line items and special tools to support weapons modernizations. The following reflected the status of the account:

	ON HAND 1 Jan 70	ON HAND 30 Jun 70	INC/DEC
LINE ITEMS:	35	37	+2
NUMBER OF UNITS:	3607	3333	-274
VALUE:	$337,327	$317,031	-$20,296

i. Status of Account HD1029 Class 715. The material in this account consisted of retrofit kits, line items and special tools to support DOD funded modernizations. The following reflected the status of the account:

	ON HAND 1 Jan 70	ON HAND 30 Jun 70	INC/DEC
LINE ITEMS:	7	3	-4
NUMBER OF UNITS:	10	80	+70
VALUE:	$2,230	$212	-$2,018

j. FY 70 Programmed Objectives. The two programmed objectives for FY 70 were not completed at the end of the fiscal year and were continued in FY 71. The status of these objectives was as follows:

(1) Centralized Stockage of AEC Military Spares: Parts lists for twelve weapon programs were analyzed

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and military spares identified. Lists were compiled for these programs and four were forwarded to the military services with a request that requirements be furnished. Military service requirements for other weapon programs were to be requested during FY 71. Action to accumulate stocks of military spares from advertised excess to support these requirements was to be taken during the next fiscal year.

(2) Military Spares Procurement Procedure Modification: Because of delay in the development of the new FCNM automatic data processing (ADP) system for inventory management, only limited progress was made on this objective during FY 70. Implementation of changes in the procurement procedure was to be coordinated with the implementation of the new ADP system which was scheduled for February 1971.

k. FY 71 Programmed Objectives. In addition to the two objectives continued from FY 70, the following objectives were added for FY 71:

(1) Stock Identification for Accounting Purposes:

(a) Description. This objective was to provide within the new ADP system a method of computing values of various categories of stock which would present a factual picture of base spares procured for weapon repair as opposed to those items required for weapon recycling, etc.

(b) Expected Benefits. Implementation of this objective would: Provide management data to permit inventory managers to concentrate on those items requiring the utmost control; and segment those items that were recurring issue parts from those that were procured for special use and represent capital assets.

(2) Stock Control System for War Reserve (WR) Containers:

(a) Description. By agreement with AEC-ALO war reserve bomb/warhead containers, casters, etc. (H Items) were produced on a less than one-for-one ratio and recycled during early production. When total WR production was completed, the bulk of the H Items remained in the military supply

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system until required for recycling. Although reporting requirements were specified in TP 100-1, the system never worked as envisioned. This objective was to establish a means of obtaining reports from the lower Service echelons and AEC plants, thus providing a much broader reporting base than that which existed.

(b) Expected Benefits. Implementation of this objective would eliminate (or minimize) the need for special worldwide inventories. Assets would also be readily available to meet AEC plant and Service needs for special projects.

1. Audit by Office of Assistant Secretary of Defense. An audit of the HD1029 account by the OASD (Comptroller) initiated on 8 December 1969 was completed during this period. The management of both AEC-owned Base Spares and DASA-owned Military Spares, Type weapons, limited life components, retrofit material, test and handling equipment was covered during the course of the audit. The audit was broad in scope, and included comprehensive inquiry into the automated data processing system, the adequacy of the data base, all procedures, procurement policies and related subjects. Several draft reports covering recommendations and findings were discussed with the Resident Auditor. As of 30 June 1970 the formal report had not been received.

m. Automatic Data Processing System. Considerable progress was made during the reporting period in the development of a new automatic data processing (ADP) system for the management of nuclear weapons materiel. One ADP file, the Management Information File (MIF) was completed, approved and released to FCCT for programming. The second file directly related to inventory management and property accounting, the Stock Record File (SRF), was 95 percent completed at the close of the reporting period. All completed input and output formats, flow charts and specifications had been furnished FCCT for analysis and final system development.

n. Base Spares.

(1) As of 30 June 1970, there were 3,079 active base spares line items in the war reserve system valued at $14,867,072. This figure included weapon containers and covers valued at $1,803,130 furnished by the AEC as part of the war reserve configuration, and $4,028,483 in special handling tools, slings, and dollies furnished on a less than one-for-one

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ratio with stockpile weapons. These were not repetitive items of supply; therefore, the actual items of supply (replacement parts) were valued at $9,035,458. The figures cited apply only to materiel in the reporting system. There was an increase of $1,354,686 in total value of assets, with an increase of 90 line items. An increase of $1,743,144 was attributed to containers, handling equipment, dollies and ancillary equipment used in conjunction with several programs. An increase of 90 active base spares was mainly attributed to the addition of spare parts that were peculiar to new weapons configurations. Active base spare items valued at $127,465 were ordered from excesses located at AEC vendor plants to support current programs.

(2) The spare parts cited above support 47 individual weapons configurations and 21 stockpile reportable MARK/MOD weapon entities. Three weapons configurations were added and one deleted during the reporting period.

o. Excess Materiel. A total of 61,104 pieces of excess materiel with a value of $4,059,465 was reported during the period by the military services, DASA activities and AEC vendors. In addition, 97,284 pieces reported prior to 1 January 1970 were processed during the reporting period, making a total of 158,388 pieces of excess materiel with a value of $6,872,440 requiring redistribution or disposal action. Actions indicated below were taken in the redistribution/disposal processes:

REDISTRIBUTION	QUANTITY	DOLLAR VALUE
Training Bombs & Warheads	3	$ 24,839
Test & Handling Equipment	26	1,796
Military Spares	1,737	132,357
Subtotal	1,766	$158,992

DISPOSAL	QUANTITY	DOLLAR VALUE
Training Bombs & Warheads	21	$ 601,850
Retrofit Kits	18	4,950
Test & Handling Equipment	956	778,931
Military Spares	124,401	3,980,015
Subtotal	125,396	$5,365,746

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IN PROCESS	QUANTITY	DOLLAR VALUE
Training Bombs & Warheads	29	$ 246,613
Training Assemblies	15	141,000
Test & Handling Equipment	742	441,054
Military Spares	30,440	519,035
Subtotal	31,226	$1,347,702
TOTAL	158,388	$6,872,440

The number of items reported for redistribution/disposal action this period was 50 percent less than that reported during the last six months of 1969, whereas the value of the materiel was approximately 10 percent greater than that for the materiel reported during the previous period. The decrease in the number of items is attributed to a reduction in the number of reporting activities, and the increase in value is attributed to the reporting of a large number of high cost items by the AEC and Account HD1029.

p. Military Spares.

(1) The recorded value of training weapons, military spares, and Source and Special Nuclear Materiel locally stocked was $2,193,762, representing 3,886 line items of supply. This was a net dollar value increase of $79,870, and a net line item decrease of 758 from the previous report. The decrease in the number of line items was the result of a comprehensive review of the items in Class 707, Army Special Design Materiel. Six hundred line items, mostly low cost, were disposed of during the period.

(2) Three hundred seven requisitions were submitted to DOD agencies and the General Services Administration. This was an increase of 63 requisitions over the previous reporting period. Of the 307 requisitions submitted, 20 remained open.

(3) Five hundred thirty-seven requisitions for training spares were submitted to the AEC. This was 404 less than the 941 submitted during the preceding period. This substantial reduction was the result of reduced Air Force requirements and the closing of a number of DASA bases during the latter part of 1969. Of the 537 requisitions, 358 remained open.

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q. MC1605B Battery Supply Problem. The MC1605B battery problem was resolved during the previous reporting period and, as a result, deliveries during this period were on schedule. Five hundred nine batteries were delivered to the Air Force; 262 to the Army; 30 to the Navy; and 27 to DASA activities.

r. Source and Special Nuclear (SS) Material. Status of the SS Account follows:

ON RECORD	CAT I	CAT III	BULK CREDIT
31 Dec 69	3,174	69	319 Normal 115 D-38
30 Jun 70	3,272	69	319 Normal 115 D-38
Increase	98	No Change	No Change

The increase in Category I SS material was generally attributed to the receipt of Operational Suitability Test (OST) equipment, Joint Test Assemblies (JTA's) and training bombs and warheads for the 61, 66, and 69 programs.

s. Storage Space.

(1) The space allocated for storage operations remained the same at 144,663 square feet. Of this total, 72,749 square feet was covered space divided among three permanent buildings at the Sandia Base area and two igloos at Manzano Base.

(2) During the period, 7,500 square feet of space in Building 676 was loaned to Sandia Laboratories for an indefinite period. The loan agreement was subject to cancellation at any time by either party on one week's advance notice. Three thousand four hundred square feet of the loaned space was occupied.

(3) The programmable integrated computer equipment (PICE referred to in the preceding report) was removed from Building 676 during this period.

(4) Hardstand storage of 71,914 square feet was within a fenced area in the technical area of Field Command.

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(5) Utilization of storage space was as follows:

BUILDING	SPACE	OFFICES/SHIPPING RECEIVING HOLDING AREA	AISLES & STRUCTURAL LOSS	NET SPACE	OCCUPIED
683	40,648	350	19,039	21,259	19,055
676	27,508	10,549	7,863	9,096	3,695
694	1,421	260	609	552	445
Igloos 30 & 41	3,172	0	976	2,196	1,611
Total	72,749	11,159	28,487	33,103	24,806
Hard Stand	71,914	0	45,114	26,800	18,430
GRAND TOTAL	144,663	11,159	73,601	59,903	43,236

D. (U) Cataloging and Standardization Division. (FCNM3)

1. Office of the Chief. FY 70 Programmed Objective. The Elimination Approach. The objective was to eliminate any unneeded publication, procedure, operation, item or other factors which caused unnecessary expenditure of manpower, money or material; and effect improvements where elimination was not possible. A committee established during the previous reporting period to conduct studies and make recommendations continued to function.

a. A committee recommendation that the Atomic Weapons Materiel Stocklist, Inactive Stock Numbers be discontinued was coordinated with the military services and the publication was discontinued.

b. A committee recommendation that the Atomic Weapons Materiel Stocklist, Standard Service and Commercial Items be discontinued was coordinated with the military services. No action was taken to discontinue the document pending development of a suitable replacement, as two of the services indicated a requirement for the data contained in the publication.

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c. A committee study resulted in the use of the Automatic Digital Network (AUTODIN) in lieu of the Defense Logistics Services Center (DLSC) Data Network (DATANET) for transmitting all cataloging data to and from DLSC and certain types of cataloging data to and from service activities.

2. Federal Cataloging Branch

a. As noted in the previous report, on 19 September 1969, the Assistant Secretary of Defense (Installations and Logistics) (ASD(I&L)) concurred in a DASA recommendation that certain nuclear ordnance data be eliminated from the DLSC files. FCDASA/Atomic Ordnance Cataloging Office (AOCO) was delegated complete responsibility for the development, maintenance, retention and distribution of technical and characteristics data applicable to nuclear ordnance items. The following actions were taken in connection with the assumption of this responsibility:

(1) AOCO files were matched against DLSC files and necessary reconciliation actions were submitted to DLSC on 30 January 1970.

(2) Systems requirements for interim AOCO Automatic Data Processing Systems were developed and submitted to the Comptroller, Data Automation Division for system design and programming.

(3) Revised DLSC systems requirements were reviewed and comments were furnished.

(4) Written procedures for submittal of cataloging data to AOCO were developed and coordinated with the services.

(5) A staff study recommending removal of cataloging data for nuclear ordnance items from Air Force Logistics Command (AFLC) files was prepared and forwarded to AFLC. AFLC subsequently concurred in the recommendations and took appropriate action.

(6) AOCO assumed the responsibility noted above on 1 May 1970.

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b. Federal Item Identifications. Seven hundred fourteen AEC items were processed for inclusion in the Federal Cataloging Program. This represented a 53 percent decrease from the previous reporting period. In addition, 11,063 revisions of existing Federal Item Identifications for AEC items were processed. This was a 48 percent increase. Also during this period, 12,221 item identifications, or a 4 percent increase, were reviewed and approved or rejected by the AOCO, acting as a representative of the DLSC.

c. Federal Cataloging Tools. Twelve cataloging tools (item names, description patterns, colloquial names and reference drawings) were processed. This represented a 1200 percent increase over the previous reporting period. The number of Federal cataloging tools processed does not include the number of Federal Item Identification Guides (FIIG's) reviewed as it did in previous reports, inasmuch as the number of FIIG's reviewed is provided separately below.

d. Technical Research. Technical research was performed on 458 items. This represented a 56 percent increase over the previous reporting period.

e. Federal Item Identification Guides. Forty-six FIIG's were reviewed. This was a 34 percent decrease from the previous reporting period.

3. DASA Cataloging Branch

a. FY 70 Programmed Objectives.

(1) Provide Federal Stock Numbers (FSN) for Commercial Training Items. During this period DLSC published, as Change 1 to Chapter 5 of the Federal Manual for Supply Cataloging, instructions for registering DASA on items of supply other than nuclear ordnance items. Items submitted in accordance with the new instructions had not received approval and assignment of a FSN, by DLSC. Follow-up action was initiated by the Federal Cataloging Branch. Additional items were to be introduced for assignment of FSN's when it was determined that the procedures and coding being utilized would provide correct data to DLSC. Total manday expenditure: 3.6.

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(2) Assignment of Separate Federal Stock Numbers for War Reserve and Training AEC Items. Originally there were 1,168 items to be submitted for assignment of separate FSN's. This number was reduced considerably by retirement of certain programs and normal replacement of equipment. There were some delays due to implementation of the FIIG program, and changes in the Federal Supply Classification (FSC) structure. All actions were completed except 10 items which involved FSC or name changes.

b. Federal Supply Catalog C1100, Atomic Weapons Materiel. There was no change in format in this publication. The basic catalog, dated 2 March 1970, contained 18,022 items representing a net increase of 650 (3.6 percent) items over the previous basic edition. One thousand three hundred ninety items which were inactive, obsolete or obsolescent were deleted. The scheduled quarterly Change Bulletin No. 1, dated 1 June 1970, reflected changes, additions and deletions for 3,217 items.

c. Atomic Weapons Material Shipping Guide, TP 100-5. The semiannual edition, dated 1 July 1970, was released for printing on 2 June 1970. This edition contained 8,709 items representing an increase of 369 items. However, 810 items were deleted from the July 1970 publication. The increase was due to the continuation of assignment of separate FSN's to AEC items that were both base spares and training items.

d. Atomic Weapons Materiel Stocklist, Inactive Stock Numbers. This publication was discontinued in February 1970.

e. Atomic Weapons Procurement List, Programmed and Development Items, TP 150-1. The quarterly edition, dated 2 March 1970, contained 3,028 items. Section 5, Alphabetical Index of Abbreviations and Designation Codes was deleted from this publication because a number of the abbreviations were no longer applicable and TP 4-1 contained abbreviations that formerly appeared in TP 150-1. The scheduled quarterly publication for June 1970 was cancelled as the number of changes did not warrant publication.

f. Atomic Weapons Materiel Stocklist Standard Service and Commercial Items. This publication was under review for discontinuance.

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g. Research, Development, Test and Evaluation (RDT&E) Capital Equipment Stocklist. The name of this catalog was changed from "Test Command Stocklist, DASA Capital Equipment" by Test Command, DASA. The annual publication was released on 1 April 1970.

h. Nuclear Weapons Equipment List. The Nuclear Weapons Equipment List was discontinued as a publication. It was determined that data previously contained therein would be distributed in other than publication form.

i. Federal Supply Classification Part 2 and Part 3 (Cataloging Handbook H 2-2A and H 2-3A). Three change notices were published, dated 12 March 1970, 22 May 1970, and 11 June 1970, and included a total of 71 entries.

j. Federal Item Identification Guides for Supply Cataloging Part 1, Part 2 and Part 3 (Cataloging Handbook H 6-1A, H 6-2A and H 6-3A). Three change notices were published, dated 12 March 1970, 22 May 1970, and 11 June 1970, and included a total of 110 entries.

4. Federal Standardization Branch

a. FY 70 Programmed Objectives.

(1) Production Engineering and Logistics Information. This objective was to prepare a document that lists the various programs furnishing Production Engineering and Logistics Information, including the handling and dissemination of engineering data, blueprints, standards, specifications, technical manuals, logistics data, management information, and other documentary information, that were products of or in direct support of acquisition, inventory management, storage, maintenance, distribution, movement and disposal of material, supplies, tools, and equipment.

(a) Data for this programmed Objective were accumulated and studied. A draft compilation of the document was prepared.

(b) Man-hours expended were 42. FCNM manpower costs were $253.00 ($6.02 per man-hour).

(2) Item Entry Control. This objective was to study item entry control methods and recommend procedures which

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will assist in the selection of standard, specification controlled, or preferred items.

(a) There was a continuing review of publications and decisions pertaining to item entry control. Item entry control measures were established as of 1 May 1970. A total of 159 new and reinstated service nuclear ordnance items were subjected to screening prior to the obtaining of FSN's.

(b) Man-hours expended were 240. FCNM manpower costs were $1445.00 ($6.02 per man-hour).

(3) Item Reduction Study of Items related to Nuclear Ordnance Groups. A sorting out of items of supply in FSC Class 1190 for the purpose of separating items currently in the supply system which were to be retained for stockage from the unneeded items which were not to be procured for continued supply. A standardization code indicating an item was authorized for procurement or a code indicating an item was not authorized for procurement, was designated for each item considered. Whenever practicable, replacement items were shown for all items designated not authorized for procurement. This objective was continued from FY 69.

(a) A total of 2128 items were assigned proposed standardization status codes. From this total, 618 were determined to be nonstandard (not authorized for procurement). The resulting anticipated gross cost avoidance savings within the DOD were $61,800.00 ($100.00 per item eliminated). (Included in paragraph V A 6 a.)

(b) Man-hours expended were 1742. FCNM manpower costs were $10,487.00 ($6.02 per man-hour).

(4) Interim Cross-Reference Lists of Expendable Materials Used in the Maintenance of Assemblies and Equipment. This objective was to obtain and furnish valid FSN's to the Services for items listed with specification call outs in Tables 1 of AEC-DASA Technical Manuals TP 35-51 and TP 40-54.

(a) Initial cross-reference listings, consisting of 80 items, were prepared and furnished to the Services 1 June 1970.

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(b) Man-hours expended were 342. FCNM manpower costs were $2,059.00 ($6.02 per man-hour).

b. DOD Standardization Project Number 11GP-0002. A facsimile transmission test for the exchange of data between Picatinny Arsenal, Dover, New Jersey, and FCDASA, Albuquerque, New Mexico. This project became operational on 28 February 1969 and was to have been a one year test. The project was extended by Picatinny Arsenal through FY 70.

c. Glossary of Nuclear Weapons Material and Related Terms (TP 4-1).

(1) Change 1 to the basic TP 4-1 was formulated and furnished to Field Command Stockpile Management Directorate (FCSM) on 20 May 1970 for publication purposes.

(2) A FCDASA Form 70 was submitted to FCSM 15 April 1970 for notification of the issuance of TP 4-1B, a Secret, Restricted Data document containing Critical Nuclear Weapons Design Information (CNWDI). The draft of the manual was furnished FCSM 19 May 1970 for coordination purposes.

d. Federal Item Identification Guides (FIIG) Updates. The review of items in formats other than FIIG for conversion to FIIG formats.

(1) A total of 190 items was processed since 20 April 1970.

(2) Man-hours expended were 550. FCNM manpower costs were $3,311.00 ($6.02 per man-hour).

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E. (U) Materiel Support Division (FCNM4/FCTG4)

1. Office of the Chief

a. Advanced Research Electromagnetic Pulse Simulator (ARES). All required test equipment was placed on requisition and seventy percent of it received. Renovation of building 676A was begun with completion estimated in October 1970.

b. Retrofits.

	Jan-Jun 70	Jul-Dec 69	Variance
No. of Items	27	96	-70%
No. of Retrofits	8	15	-47%

c. Disposal action.

	Jan-Jun 70	Jul-Dec 69	Variance
Line Items	120	145	-17.3%
Units	423	545	-22.4%
Man-hours	193	264	-26%
Value	$67,792	$204,365	-66.8%

2. Maintenance Branch.

a. Man-hours/Work Orders.

	Jan-Jun 70	Jul-Dec 69	Variance
Borrowed Labor	521	574	- 9.2%
FCTG4 Direct Labor	10,518	9,004	+16.8%
Total Direct Labor	11,039	9,578	+15.3%
Work Orders	311	471	-34%

b. Seventy-three work orders were processed by the Plastics and Special Fabrication Shop prior to its closing down on 21 June 1970. A mock-up of the MK 66 Warhead with a 120 degree cutaway of the Ballistic Case to expose warhead and major components was completed. The debris barrier models carried over from the previous reporting period were completed. A plastic scale model cavity and sphere for Test Command Project Diamond Dust was fabricated and greatly aided experimental agencies,

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device engineers, scientists and safety personnel in accomplishment of their mission with minimum time delay.

c. The Weapons Maintenance Shop continued the color coding and marking of nuclear weapons training material in accordance with procedures outlined in DASA TP 40-56. Seventy-two weapon systems had been completed, and the entire project was to be completed in August 1970. The Weapons Maintenance Shop processed ninety-three work orders.

d. Machine Shop. One hundred fifty work orders were processed in the Machine and Welding Shops. Work orders included on-the-spot maintenance, repair of H Gear, modifications on training units, preparation of items for the Sandia Atomic Museum, demilitarization, declassification and disposal. Four work orders were processed in support of ARES.

3. Calibration Branch.

a. Ten thousand four hundred ninety-five man-hours of direct labor were expended in processing 1,271 work orders. This represented an increase of sixty-three percent in direct labor and a decrease of one hundred eighty-three work orders.

b. In preparation for support of the ARES, five technicians were sent to specialized training courses conducted by Tektronix and Hewlett Packard electronic companies.

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conference, that in order to avoid any delay in providing spare parts, SLA would provide the initial support of spares that were common items in Air Force stocks, and replenishment would be supported from Air Force assets. To date, approximately 300 line items have been declared excess and no longer required in the system as a result of the S-Band Conversion.

e. On 31 March and 1 April, an Initial Provisioning Conference was conducted at SLA for the spare parts applicable to both War Reserve and Type weapons for the W68 program. Representatives of the Navy's Explosive Ordnance Disposal School and Ships Parts Control Center, AEC-ALO, SLA, Stockpile Management Directorate (FCSM) and FCNM attended. A total of 73 items was selected as Military Spares and 33 Base Spares.

f. A representative visited Bossier Base on 22-23 January to coordinate the transfer of Bossier Base to the Air Force. Equipment sufficient to retain a capability at Bossier Base was also transferred to the Air Force. The balance of the Nuclear Weapons Equipment List (NWEL) materiel was returned to Field Command, Sandia Base for retention in the Reserve Stock Account or to be advertised and redistributed to the Services.

g. A proposal was made to Director, DASA, that publication of the Equipment Requirements Program (ERP) be delegated to Field Command, DASA. By letter dated 12 February 1970, Director DASA indicated a continuing requirement for Director, DASA to review and authenticate the ERP. The new ERP was submitted to Director, DASA for review and signature and was distributed on 19 May 1970 with an effective date of 1 July 1970.

h. The following FCNM2 Instructions were developed and published:

(1) 7000.2, dated February 1970, subject: Preparation of the FCNM Five-Year Procurement Defense Agency (PDA) Budget Estimates for Capital Equipment.

(2) 7000.3, dated 16 February 1970, subject: Preparation of DASA Five-Year PDA Budget Estimates for Nuclear Weapons Materiel.

(3) 4100.17, dated 11 March 1970, subject: Service Military Interdepartmental Purchase Requests (MIPR's) Acceptance Procedures.

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(4) 4000.18, dated 11 March 1970, subject: Loan of AEC Nuclear Weapons Materiel.

(5) 4100.19, dated 11 May 1970, subject: Application Code List Procedures.

(6) 4100.20, dated 12 May 1970, subject: Preparation of FCNM FL25, Request for Supply Status Determination.

(7) 4100.21, dated 18 May 1970, subject: Cessation of Production Notification for Equipment Requirements Schedule (ERS) Materiel.

i. Two FCDASA Instructions were also published.

(1) 4100.9A, dated 15 June 1970, subject: Nuclear Weapons Equipment List. This constituted an 80 percent revision to an earlier instruction.

(2) 4100.12, dated 22 June 1970, subject: DASA Equipment Requirements Program (ERP).

j. The Reserve Stock Account Management Committee reviewed 817 line items in the account, redistributed 61 line items to the Services, disposed of 368 line items, and retained 388 line items to support anticipated DASA/Services requirements. In addition, the committee controls 16 trainers, currently stored at Sandia and Manzano Bases, each with a complete set of test and handling equipment. These items were retained at the time of the closeout of DASA Bases and were available for issue to DASA or Service organizations for expansion of their mission capabilities, if required.

k. The format of the NWEL was revised to delete all DASA Bases with the exception of Manzano. Since FCNM4 was transferred to FCTG, the entry for FCNM4 was redesignated as "Maintenance" and included under the FCTG general heading. The revised format now provides for three general columnar headings: "Manzano Base" (MB); "Field Command Nuclear Training Directorate (FCTG)"; and "Application and/or Remarks." The FCTG heading is further broken down with columnar headings: Training (TNG), Nuclear Emergency Team (NET), and Maintenance (MAINT). The Table of Contents is divided into five parts: (1) Training Bombs and Warheads; (2) Major Assemblies and Components; (3) Test Equipment; (4) Handling Equipment; and (5) Special Allowances.

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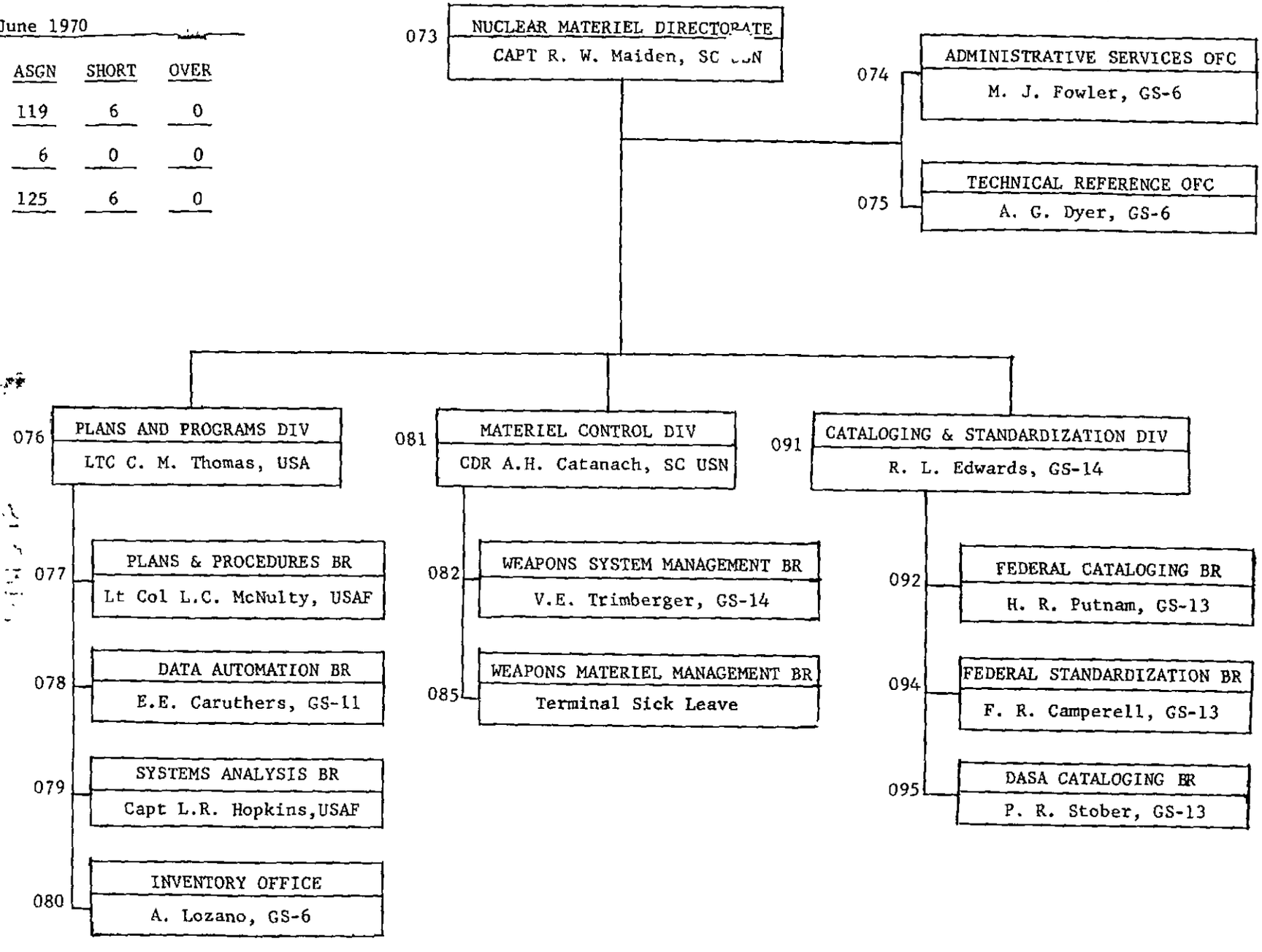
AS OF 30 June 1970

	AUTH	ASGN	SHORT	OVER
CIV	125	119	6	0
MIL	6	6	0	0
TOTAL	131	125	6	0



358

Encl 1 to FCLMs Historical Report for JAN - 30 June 1970

30 June 1970

SHORTAGES

NO.	PARA/LINE	GRADE	POSITION	DIVISION	DATE VACATED
1.	075/03	GS-3	Clerk-Typist	NMA	1 Jun 70
2.	077/02	GS-11	Supply Representative	NM1	1 Nov 68
3.	083/02	GS-9	Inv. Mgt. Spec.	NM2	17 May 70
4.	090/06	WG-6	Warehouseman	NM2	1 Jul 69
5.	093/03	GS-3	Clerk-Typist	NM3	30 May 70
6.	094/05	GS-7	Electrical Eng.	NM3	19 Apr 70

[redacted]

30 June 1970

MANNING STATUS

ACTIVITY	AUTH	ASGN	SHORT	OVER
FCNM	2	2		
FCNM-A	9	8	1	
FCNM1	13	12	1	
FCNM2	59	57	2	
FCNM3	48	46	2	—
TOTAL	131	125	6	0
OFFICERS	5	5		
ENLISTED	1	1		
GS	112	107	5	
W/B	13	12	1	—
TOTAL	131	125	6	0
ARMY	2	2		
NAVY	2	2		
AIR FORCE	2	2	—	—
	6	6	0	0
CIVILIAN	125	119	6	0

INCL 3 to FCNM Historical Report
1 January - 30 June 1970

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[redacted]

[redacted]

STRENGTH FIGURES

AUTHORIZED STRENGTH

	OFFICERS/WARRANTS	ENLISTED	TOTAL
ARMY	1	1	2
NAVY	2	0	2
MARINES	0	0	0
AIR FORCE	2	0	2
TOTAL	5	1	6

ASSIGNED STRENGTH

	OFFICERS/WARRANTS	ENLISTED	TOTAL
ARMY	1	1	2
NAVY	2	0	2
MARINES	0	0	0
AIR FORCE	2	0	2
TOTAL	5	1	6

	AUTHORIZED	ASSIGNED
CIVILIANS	125	119

INCL 4 to FCNM Historical
Report 1 January - 30 June 1970

[redacted] DATA

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[redacted]

JTD CHANGES

	31 Dec 69 AUTH	MAY 70 DECREASE	NET
NM	2		0
NMA	9		0
NM1	13		0
NM2	59		0
NM3	48		0
NM4	41	(41)	(41)
TOTAL	172	(41)	(41)

INCL 5 to FCNM Historical Report
1 January - 30 June 1970

[redacted]

[redacted]

[redacted]

FCNM2 - OUTPUT MEASUREMENTS

	Actions	Cost	Cost/Action	FY 70 ± Cost
Jul-Sep 69	17,679	$171,457	$ 9.70	+ 6.0%
Oct-Dec 69	14,286	165,198	11.56	+26.3%
Jan-Mar 70	15,108	152,915	10.12	+10.6%
Apr-Jun 70	19,508	171,693	8.80	- 3.8%
FY 70	66,581	$661,263	$ 9.93	+ 8.5%
FY 69	69,521	$635,887	$ 9.15	
FY 70 ±	-2,940	+$25,376	+$0.78	

INCL 6 to FCNM Historical Report
1 January - 30 June 1970

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FCNM3 - OUTPUT MEASUREMENTS

	Actions	Cost	Cost/Action	FY 70± Cost
Jul-Sep 69	9,196	$129,281	$14.06	+415.0%
Oct-Dec 69	11,419	134,220	11.75	+330.4%
Jan-Mar 70	9,868	123,467	12.51	+358.2%
Apr-Jun 70	7,714	147,856	19.17	+602.1%
FY 70	38,187	$534,824	$14.01	+413.2%
FY 69	171,900	$469,611	$ 2.73	
FY 70 ±	-133,713	+$ 65,213	+$11.28	

INCL 6 to FCNM Historical Report
1 January - 30 June 1970

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FCNM4(FCTG4) - OUTPUT MEASUREMENTS

	Actions	Cost	Cost/Action	FY 70 ± Cost
Jul-Sep 69	878	$ 89,220	$101.62	- 7.3%
Oct-Dec 69	869	86,390	$ 99.41	- 9.3%
Jan-Mar 70	682	87,641	$128.51	+17.2%
Apr-Jun 70	883	109,472	$123.98	+13.1%
FY 70	3312	$372,723	$112.54	2.6%
FY 69	3253	$356,729	$109.66	
FY 70 ±	+59	+$ 15,994	+$ 2.88	

INCL 6 to FCNM Historical Report
1 January - 30 June 1970

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NUCLEAR TRAINING DIRECTORATE
FIELD COMMAND, DASA

Colonel Richard H. Schuler, USA
Chief, Nuclear Training Directorate

SEMIANNUAL HISTORICAL REPORT
1 January through 30 June 1970

I. (U) ACTIVATION. A nuclear weapons Technical Training Group was established 1 January 1947 by General Order No. 1, Manhattan District, U.S. Engineers, Sandia Base, Albuquerque, New Mexico. There have been several redesignations until the present Nuclear Training Directorate (NTD) was established effective 1 June 1967 by General Order No. 15, Headquarters Field Command, Defense Atomic Support Agency, 26 May 1967.

II. (U) MISSION. The Nuclear Training Directorate mission is to provide training, both resident and nonresident, in support of the nuclear weapons training program world-wide; to be responsive to requests for training services and support required to meet the needs of all Department of Defense components and other cognizant agencies; and to conduct those operations necessary to provide on-the-scene assistance in the event of a nuclear accident or incident.

III. (U) ORGANIZATION. Materiel Support Division (FCTG4) was transferred from Nuclear Materiel Directorate 1 May 1970. (DF, FCCS, 29 Apr 70, subject: Realignment of Functions.) Organization chart is attached as inclosure 1.

IV. (U) PERSONNEL. Key personnel on duty in this directorate during period covered by this report include the names given below, with dates of assignment to DASA:

Colonel Richard H. Schuler USA, Chief, Nuclear Training Directorate, since 12 August 1969	10 August 1969
Captain Robert E. McElwee USN, Chief of Training, Nuclear Training Directorate, since 22 July 1967	17 July 1967

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Mr. Henry W. Pepin, GS-13, Educational Advisor, since 3 March 1958, and Chief, Instructor Training and Evaluation Division, since 1 December 1967	3 March 1958
LTC Sherman R. Foster USA, Chief, Office of Support, since 16 December 1967	1 August 1967
MAJ Aaron J. Krakower USA, Chief, Administrative Division, 17 July 1967 through 9 June 1970	30 June 1967
MAJ Thomas C. Dann Chief, Administrative Division, since 10 June 1970	8 August 1969
Mr. Joseph B. Dunn, GS-12, Chief, Publications and Visual Aids Division, 10 January 1956 through 31 March 1970	10 January 1956
Mr. John W. Savage, GS-11, Acting Chief, Publications and Visual Aids Division, since 1 April 1970	30 May 1965
Mr. Clyde J. Ling, GS-13, Chief, Motion Picture Production Division, since 25 May 1965	25 May 1965
Lt Col Hubert G. Stanton USAF, Chief, Materiel Support Division, since 1 May 1970	16 June 1969
Mrs. Ida M. Gutierrez, GS-12, Chief, Field Command Technical Library, since 17 April 1967	17 April 1967
LTC Joseph D. Chavez USA, Chief, Plans and Operations Division, since 18 November 1968	8 November 1968
LTC Peter J. Hino Chief, National Capabilities Division, since 5 September 1969	5 September 1969

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CDR James R. Derda USN, Chief, Joint Electronics Training Division, 16 September 1968 through 22 June 1970	24 June 1968
CDR David T. Pitts USN, Chief, Joint Electronics Training Division, since 23 June 1970	17 June 1970
LTC Michael F. Monaghan USA, Chief, Nuclear Operations and Training Division, since 4 September 1969	4 September 1969
LTC James F. Myers Chief, Army Weapons Division, since 6 January 1969	1 December 1965
CDR Henry G. Cleland USN, Chief, Navy Weapons Division, 1 April 1967 through 30 June 1970	18 March 1967

Nuclear Training Directorate
Authorized Strength as of 30 June 1970

	Officers and Warrant Officers	Enlisted	Total
Army	55	135	190
Navy	38	50	88
Marines	4	4	8
Air Force	8	17	25
Total	105	206	311*

*Includes 24 personnel from Materiel Support Division

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[redacted]

[redacted]

Assigned Strength as of 30 June 1970

	Officers and Warrant Officers	Enlisted	Total
Army	51	136	188
Navy	36	49	86
Marines	4	5	9
Air Force	8	18	24
Total	99	208	307

	Authorized Strength	Assigned Strength
Civilian Personnel	107**	101

**Includes 22 personnel from Materiel Support Division

V. (U) ACTIVITIES. The following significant actions occurred during the period of this report:

A. New Training.

1. Beginning in January, Nuclear Emergency Team/Emergency Destruction training was included in all NTD skill-producing courses except 1723AT Course.

2. Program of Instruction (POI) for the E-9 55Z MOS (Ammunition) Course was initiated on 3 March. This four-week course will be available to students in January 1971.

3. At the request of Department of the Army (DA), a POI for the 55G MOS Advanced Course (Army Nuclear Weapons Maintenance Specialist) was initiated on 6 March and will be completed in December 1970.

4. On 13 March development of a POI for Army Warrant Officers (W5 and W6) Advanced Course was initiated at the request of DA. This POI will be activated if the W5 and W6 warrant officer program is approved.

5. Development of a POI for the Army Warrant Officers Intermediate Course was started on 14 March at the request of DA. This POI will be held in readiness pending implementation of the program by DA.

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6. On 23 March HQ DASA directed NTD to develop a POI for a course for DA Inspectors General world-wide. The first class for the Senior Officer Nuclear Weapons Technical Inspector Course started on 25 May with 11 students in attendance.

7. Development of a POI was started in March 1970 for a course in quality evaluation responsibilities for Navy Ammunition Depot personnel. The course will be implemented in the fall of 1971.

8. In mid-May NTD conducted a study of the requirements for, and expense of, training FC DASA personnel in computer technology at the DOD Computer Institute (DODCI). The study concluded that the Albuquerque Technical Vocational Institute can conduct an adequate introductory course for approximately $1,600 per class of 20 students whereas the same training, if conducted at DODCI, would cost approximately $15,000 for travel and per diem alone. The recommendation that Sandia Base Education Center set up training was approved and a POI was developed for "Introduction to Computer Technology Course." The first class is scheduled to begin 20 July 1970.

9. NTD has been requested by Field Command Personnel Office to establish a course to train civilian employees to conduct formal instruction. Preparation of a POI was started 18 May. The first class is scheduled to start 6 October 1970.

10. On 22 May a POI similar to the one for the Senior Officer Nuclear Weapons Technical Inspector Course was initiated at the request of BUPERS. When developed, the POI for Navy Nuclear Weapons Technical Inspectors Course will be submitted to BUPERS for approval as a training course for all naval officers being assigned as nuclear weapons technical inspectors.

11. In mid-June NTD began coordination with FC Intelligence and Security Directorate in preparation of a Security Classification Management Course. The POI for this three-day course will be completed by December 1970.

12. On 24 June HQ DASA approved POI for the Atomic Energy Nuclear Accident Course. The three-day course will be presented twice a year to AEC personnel. The first class is scheduled for 6 - 9 October 1970.

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B. Summary of Schools.

1. One hundred and seven graded and ungraded individual and team training classes were enrolled with a total input of 1,176 students. Twenty-six programed classes had no input; twelve cadre classes were conducted; and one hundred and four classes graduated. Fifteen classes with an enrollment of one hundred and four were carried over to the second half of calendar year 1970.

2. A breakdown of individual training, input, graduates and attrition, by source of quota, and a report of student man-days for reporting period are attached as inclosure 2.

3. A summary of student man-days for the reporting period is attached as inclosure 3.

4. The following resident nuclear weapons special briefings were conducted:

a. During January for 30 personnel of the National Emergency Airborne Command Post.

b. During February for 63 individuals: Mr. Rima, Regional Director, Civil Service Commission; Mr. R. C. Johnson, Chief, Civilian Personnel Division, FC DASA; COL A. D. Pickard, USA, Commanding Officer, Sandia Base. Personnel of Air Force Weapons Laboratory and Research and Development Liaison Directorate including Col C. R. Carson, USAF, and COL B. R. Shields, Jr., USA. Also for personnel of 901st Military Intelligence Detachment.

c. During March for 166 individuals: Thermomechanical Shock Symposium; Fifth Research Reserve Seminar in Applied Research; Senior military and civilian personnel of DOD including Mr. Ross S. Thackeray, Chief, Operations Analysis, HQ USAF, and Maj Gen Clyde Box, Deputy Inspector General, HQ USAF; Tenth Military Chaplains' Nuclear Training Course (66 chaplains). On 25 May the Armed Forces Chaplains Board requested discontinuance of course until further notice due to FY 71 budgetary limitations and simultaneous changes in chaplain program.

d. During April for 175 individuals: AFIT/AFWL Survivability/Vulnerability Short Course; MG L. H. Schweiter, Deputy Commanding General, US Army Combat Development Command,

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and party; Senior Seminar in Foreign Policy for 33 State Department personnel; Dr. Yuan-Li-Wu, Deputy Assistant Secretary of Defense for Policy Planning and National Security Council Affairs, and his assistant for Economic Analysis.

e. During May - None.

f. During June for 56 individuals: LTG Alger, President of the Inter-American Defense Board and members of the board. MG Spurgeon H. Neel, Assistant Surgeon General, and party.

5. A summary of nonresident Nuclear Weapons Briefings is attached as inclosure 4.

C. Weapons Display Area. During the period of this report, 1,811 individuals were escorted through the Weapons Display Area.

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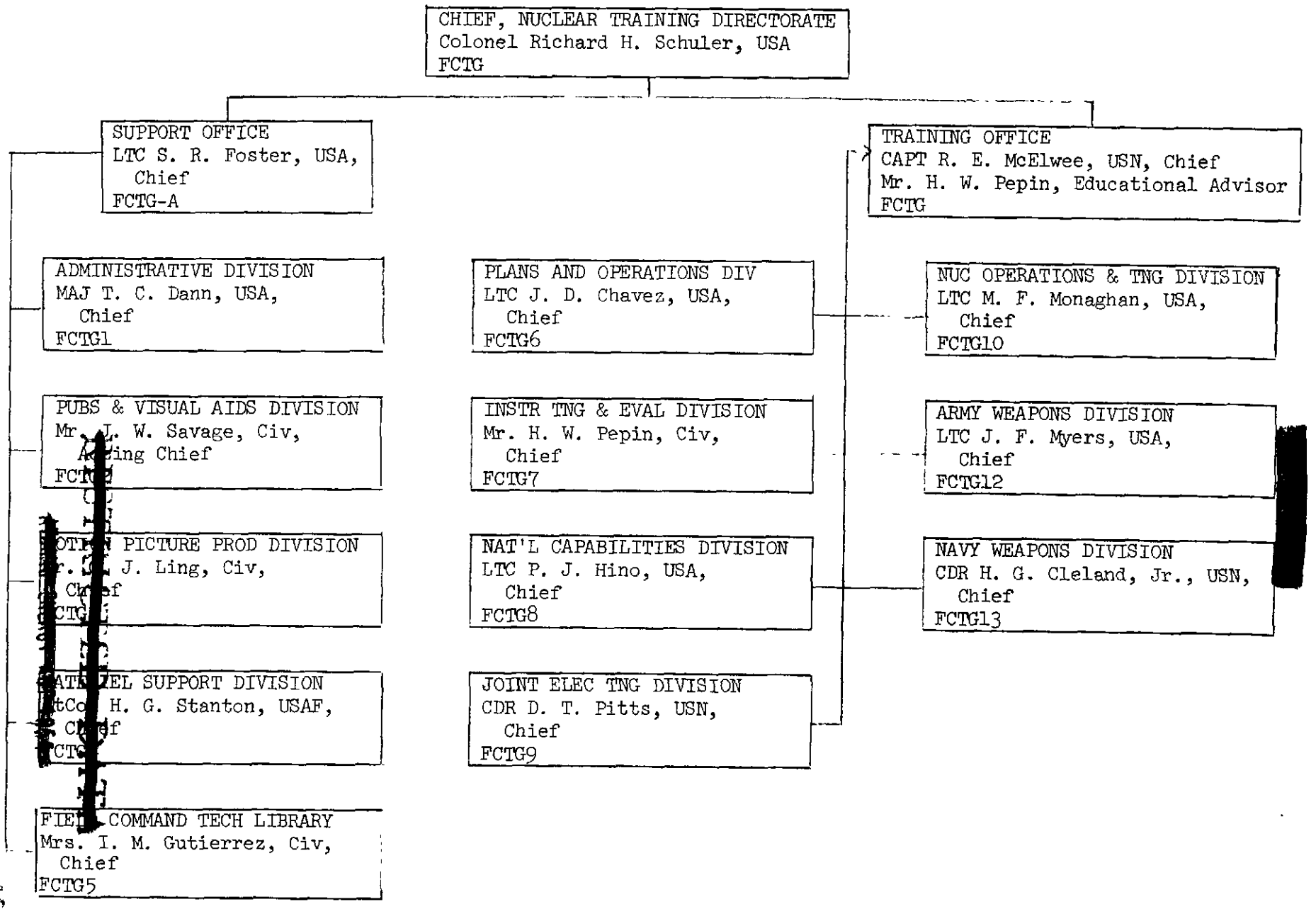
NUCLEAR TRAINING DIRECTORATE, FIELD COMMAND, DASA
30 June 1970



373

FCTG

NUCLEAR TRAINING DIRECTO
STUDENT STATUS REPOR

ACTION Programmed Input MONTH

COURSE	CLASS NO.	USA				USN				USMC			
		O	WO	EM	Civ	O	WO	EM	Civ	O	WO	EM	C
WQA	262-267	102				10				13			4
NWDI	5-7	101											1
SONAC	18-21	34				2				4			
NHTC	13	7				2							
NETOPS	79-81	11				6				4			
NET	135-139			13				15				10	
NETEX	103-113			80								20	
1723	106-110	60								2			
1723T	52-53	9											
262A	49		5										
262AT	62-65		10										
261AT	84-87		23										
55G20	38-55			85									
35F20	226-233			19									
NNWO	70-73					32				2			
NWM	182-190							41					
GMT	256-262							82					
EC	115-117							7					
NOP	27											8	
MARNWAT	7											27	
TOTAL		324	38	197		52		145		25		65	6

FCTG FORM 1 JUN 67 82

REPLACES FCTG FORM 82, 9 MAY 62 WHICH IS C

374

NUCLEAR TRAINING DIREC
STUDENT STATUS REP(

ACTION Input MON

COURSE	CLASS NO.	USA				USN				USMC		
		O	WO	EM	Civ	O	WO	EM	Civ	O	WO	EM
WOA	262-267	41			25	4			14	6		
NWDI	5-7	14			1	2			5	1		
SONAC	18-21	36	1			7	2			2		
NHTC	13	9				3						
NETOPS	79-81	8				1	2			2	1	
NET	135-139			11				19	1			11
NETEX	103-116	11	3	33						2	1	17
1723	106-110	49										
1723T	52-53	5										
262A	49											
262AT	62-65		8									
261AT	84-87	1	15	1								
55G20	38-55			77	1							
35F20	225A-233			49								
NNWO	70-73					15	9			2		
NWM	182-190							32	4			
GMT	256-262							93	2			
EC	115-117							7	2			
NOP	27									1		7
MARNWAT	7									4	1	12
SONWTIC	1	4				2						
CADRE	446-457	3	4	3		1		2				
TOTAL		181	31	174	27	35	13	153	28	20	3	47

FCTG FORM 1 JUN 67 82

REPLACES FCTG FORM 82, 9 MAY 62 WHICH

375

NUCLEAR TRAINING DIRECTO
STUDENT STATUS REPOR

ACTION Graduates MONTH

COURSE	CLASS NO.	USA				USN				USMC			
		O	WO	EM	Civ	O	WO	EM	Civ	O	WO	EM	C
WOA	262-267	41			25	4			14	6			4
NWDI	5-7	14			1	2			5	1			
SONAC	18-21	36	1			7	2			2			
NHTC	13	9				3							
NETOPS	79-81	8				1	2			2	1		
NET	135-139			10				19	1			11	
NETEX	103-116	6	3	25						2	1	17	
1723	106-108	32											
1723T	52-53	5											
262AT	61-64		8										
261AT	84-86	1	15	1									
55G20	33-45			108									
35F20	222-228			32	1								
NNWO	70-73					12	4			1			
NWM	182-189							27	2				
GMT	254-259							78	1				
EC	112-115							8	1				
NOP	27									1		7	
MARNWAT	7									4	1	11	
CADRE	446-457	3	4	3		1		2					
TOTAL		155	31	179	27	30	8	134	24	19	3	46	5

FCTG 1 FORM JUN 67 82

REPLACES FCTG FORM 82, 9 MAY 62 WHICH IS O

376

NUCLEAR TRAINING DIRECTO
STUDENT STATUS REPOR

ACTION Administrative Attrition / Academic Failures MONTH

COURSE	CLASS NO.	USA				USN				USMC			
		O	WO	EM	Civ	O	WO	EM	Civ	O	WO	EM	
Administrative Attrition													
1723	110	1											
262AT	61		1										
EC	113												
GMT	258							1					
	259							1					
MARNWAT	7											1	
35F20	225			1									
	225A			2									
	229			1									
55G20	37			1									
	TOTAL	1	1	5				2				1	
Academic Failures													
GMT	257							1					
	258							2					
	258A							3					
	259							3					
	261							1					
EC	114							1					
	115							1					
	116							1					
TOTAL													

FCTG 1 FORM JUN 67 82

REPLACES FCTG FORM 82, 9 MAY 62 WHICH IS

[redacted] RESTRICTED DATA [redacted]

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377

NUCLEAR TRAINING DIRECTOR
STUDENT STATUS REPORT

ACTION Administrative Attrition (Cont'd)
Academic Failures
MONTH

COURSE	CLASS NO.	USA				USN				USMC			
		O	WO	EM	Civ	O	WO	EM	Civ	O	WO	EM	C
Academic Failures (Cont'd)													
NET	137			1									
35F20	225			1									
	226			1									
	230			1									
55G20	49			1									
CADRE	449												
	TOTAL			5				13					
TOTAL													

FORM
FCTG 1 JUN 67 82

REPLACES FCTG FORM 82, 9 MAY 62 WHICH IS O

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378

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NUCLEAR TRAINING DIRECTORATE
STUDENT MAN DAYS
1st Half CY 70

I. RESIDENT INSTRUCTION

COURSE	PROGRAMMED MAN DAYS	STUDENT MAN DAYS
WOA	2125	2050
NWDI	296	222
	2421	2272
SONAC	282	250
NETC	70	80
NETOPS	580	353
NET	1190	957
NETEX	400	335
1723	1928	1625
1723T	81	43
261AT	522	514
262A	450	0
262AT	412	323
55G20	5483	5309
F20	2220	3502
NNWO	1134	954
NWM	1374	856
EC	1099	994
GMT	4090	4657
NOP	192	190
MARNWAT	1539	908
SONWTIC	208	240
CADRE	0	187
Sub Total	23,254	22,277
TOTAL	25,675	24,549

TYPE	STU	SMD
II. SPECIAL BRIEFING		
IT&E	66	578
NCD	529	2168
	595	2746
III. TECHNICAL BRIEFING		
AWD	13	209
NWD	2	14
NCD	85	85
	100	308
IV. NON-RESIDENT BRIEFING		
NCD	628	830
V. GRAND TOTAL		
Student Man Days		28,433

[redacted]

[redacted]

NONRESIDENT

NUCLEAR WEAPONS BRIEFINGS (NWB)

SITE	DATE	USA	USN	USMC	USAF	OTHER	TOTAL
U.S. Army Chemical Center and School, Ft McClellan, Ala.	19 Feb 70	96	1	1		6	104
Headquarters, U.S. European Command, Stuttgart, West Germany	7 Jan 70	11	4	1	16	2	34
Headquarters, U.S. Army, Europe, Heidelberg, West Germany	8 Jan 70	68			1	1	70
Headquarters, U.S. Air Force, Europe, Weisbaden, Germany	9 Jan 70				72		72
Headquarters, U.S. Navy, Europe, London, England	12 Jan 70		24	2			26
Naval Command Course, U.S. Naval War College, Newport, R.I. (Foreign Students)	27 Feb 70					30	30
Naval Command Course, U.S. Naval War College, Newport, R.I.	10 Mar 70	23	160	13	7	4	207
Headquarters, U.S. Continental Army Command, Ft Monroe, Va.	9 Apr 70	62		2	7		71
		260	189	19	103	43	614

[redacted]

FIELD COMMAND MEDICAL DIRECTORATE

UNITED STATES ARMY HOSPITAL

COLONEL ROBERT F. BELL, MC

CHIEF - COMMANDING OFFICER - BASE SURGEON

I. (Unclassified) ACTIVATION: As recorded in Semiannual Historical Report of Field Command Medical Directorate/United States Army Hospital, dated 1 January 1967 to 30 June 1967.

II. (Unclassified) MISSION: As recorded in Semiannual Historical Report of Field Command Medical Directorate/United States Army Hospital, dated 1 January 1967 to 30 June 1967.

III. (Unclassified) ORGANIZATION: As recorded in Semiannual Historical Report of Field Command Medical Directorate/United States Army Hospital, dated 1 January 1967 to 30 June 1967.

IV. (Unclassified) KEY PERSONNEL: Key personnel on duty in this Hospital during the period covered by this report include the names listed below, together with their date of assignment to DASA.

Colonel Robert F. Bell Chief, Medical Directorate, Base Surgeon and Commanding Officer	24 Mar 70
Colonel David H. Naimark Chief, Medical Directorate, Base Surgeon and Commanding Officer	29 Apr 66
Lieutenant Colonel Lewis M. Edwards MSC, Executive Officer	8 Jun 70
Lieutenant Colonel Mary A. Foley ANC, Chief, Nursing Service	9 Sep 69
Lieutenant Colonel Robert A. Holmes MC, Chief, Department of Medicine and Chief, Professional Services	4 Aug 69

[redacted]

[redacted]

[redacted]

Lieutenant Colonel Kell E. Lovell Base Dental Surgeon and Chief Dental Service	20 May 70
Lieutenant Colonel Joseph Macdonald Chief, Department of Surgery	30 Jul 68
Lieutenant Colonel Raymond K. Morrow Base Dental Surgeon and Chief, Dental Service	5 Mar 68
Major William Coleman Chief, Orthopedic Service	25 Aug 69
Major Carolyn Cook Army Health Nurse	22 May 65
Major Richard Crockett Chief, Department of Hospital Clinics	2 Jan 69
Major James R. Hutchison Chief, OB/GYN Service	4 Sep 67
Major John T. Leddy Chief, Optomerty Service	20 Dec 69
Major James E. Leonard Chief, Urology Service	5 Jan 70
Major Michael A. Moody Chief, Registrar Division	11 Oct 68
Major Harlen D. Myers Chief, Pediatric Service	26 Sep 68
Major Harvey C. Phelps Chief, Laboratory Service	4 Jul 69
Major Richard T. Rada Chief, Department of Neuropsychiatry	5 Jul 68
Major George G. Rakolta Chief, Orthopedic Service	30 Mar 70
Major Rex S. Roper Executive Officer	30 Jul 68

[redacted]

ATOMIC ENERGY ACT 1954

[redacted]

[redacted]

Major Edwin S. Roth Chief, Radiology Service	9 Aug 69
Major Roy R. Smith Chief, Supply and Services Division	26 Feb 68
Captain Arthur J. Carbonnel Chief, Registrar Division	10 Jun 70
Captain Bernard C. DeVore Chief, Food Service Division	16 May 69
Captain Donald E. Grigg Adjutant	27 May 69
Captain Joseph E. Moore Chief Pharmacy Service	18 May 69
Captain William S. Smith Management Services Officer	1 Dec 69
Captain Lomax D. Walker Chief, Veterinary Service	7 Apr 69

AUTHORIZED STRENGTH

	Officers	Enlisted	Civilian	Total
Army	58	165		223
WAC	1	30		31
Navy	2	2		4
Air Force	1	2		3
Civilian			98	98
Total	62	199	98	359

ASSIGNED STRENGTH

	Officers	Enlisted	Civilian	Total
Army	60	151		211
WAC	1	31		32
Navy	1	2		3
Air Force	1	1		2
Civilian			98	98
Total	63	185	98	346

[redacted]

[redacted]

V. (Unclassified) ACTIVITIES: During the period covered by this report, the Sandia Base Army Hospital has accomplished the following:

A. Office of the Commanding Officer

Distinguished visitors to this facility during the reporting period included:

Major General Spurgeon Neel, Deputy Surgeon General, Washington, D.C.

Brigadier General Anna Mae Hays, OTSG, DA, Washington, D.C.

Colonel Amel Anderson, MSC, OTSG, DA, Washington, D.C.

Colonel Harry L. Gans, OTSG, DA, Washington, D.C.

Colonel Henry E. Maes, OTSG, DA, Washington, D.C.

Colonel Dwight F. Morss, Jr., OTSG, DA, Washington, D.C.

Lieutenant Colonel Ellis F. Hall, Jr., OTSG, DA, Washington, D.C.

Commander Charles F. Hammel, DASA, Washington, D.C.

Mr. F.L. Grove, Hq DASA, Washington, D.C.

Mr. Maurice E. Hayes, Hq, DA, ACSFOR, Washington, D.C.

Mr. John B. Plum, Joint Commission on accreditation of Hospital, Chicago, Ill.

B. General Workload Indicators

1.	Total Patient Days	12,356
2.	Total Outpatient Visits	78,401
3.	Total Admissions	1,889
4.	Laboratory Value	311,690
5.	X-Ray Films Exposed	63,882
6.	Presciptions Filled	122,696
7.	Live Births	348
8.	Dental Treatments	8,606

[redacted]

[redacted]

[redacted]

C. Construction - Renovation on the hospital proper continues, with completion date set for October 1970.

D. On January 19, a new teaching program was initiated by the Sandia Base Army Hospital's OB/GYN Clinic for upper class UNM medical students. Two students began seven weeks of instruction and observation to fulfill OB/GYN requirements for their medical degree. Every seven weeks, two more students from the University of New Mexico affiliated with the hospital to learn and observe. Their instructors were Army Major (Dr.) James R. Hutchison, chief of the OB/GYN Service, and Army Captain (Dr.) Arthur J. Donovan, Jr., OB/GYN physician. Dr. Hutchison, who is also clinical associate, Department of Obstetrics and Gynecology at the University of New Mexico School of Medicine, initiated the program in conjunction with Dr. Robert A. Munsick, chairman and professor of obstetrics and gynecology at the university. A contract for these medical studies was approved late in 1969 by the hospital commander, the University, and the Army Surgeon General. The program is intended to supplement the university's teaching facilities at the Bernalillo County (New Mexico) Medical Center in Albuquerque.

E. During a transfer of control ceremony scheduled for 1 July 1970, the Sandia Base Army Hospital will officially become the U. S. Army Hospital, Sandia Base. At that time Major General Francis W. Nye, Commander of Field Command, DASA, at Sandia Base, will give control of the DASA facility to Army Major General Spurgeon H. Neel, Deputy Surgeon General from Washington, D.C.

[redacted]

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SANDIA BASE ARMY HOSPITAL

FIRST LIEUTENANT RICHARD H. WYMAN, MSC

COMMANDING OFFICER - MEDICAL COMPANY

I. (Unclassified) ACTIVATION: As recorded in Semiannual Historical Report of Field Command Medical Directorate/Sandia Base Army Hospital, dated 1 January 1967 to 30 June 1967.

II. (Unclassified) MISSION: As recorded in Semiannual Historical Report of Field Command Medical Directorate/Sandia Base Army Hospital, dated 1 January 1967 to 30 June 1967.

III. (Unclassified) ORGANIZATION: As recorded in Semiannual Historical Report of Field Command Medical Directorate/Sandia Base Army Hospital, dated 1 January 1967 to 30 June 1967.

IV. (Unclassified) KEY PERSONNEL: Key personnel on duty in this unit during the period covered by this report include the names listed below, together with their dates of assignment to DASA.

First Lieutenant Richard H. Wyman Commanding Officer Medical Company.	4 May 69
First Sergeant Lewis W. Frederick First Sergeant, Medical Company.	29 Aug 67
Staff Sergeant Ernest T. Wolfe Supply Sergeant, Medical Company.	7 Nov 69

AUTHORIZED STRENGTH

	Officers	Enlisted	Total
Army	58	165	223
Air Force	1		1
Total	59	165	224

[redacted]

[redacted]

[redacted]

ASSIGNED STRENGTH

	Officers	Enlisted	Total
Army	62	147	209
Air Force	1		1
Total	63	147	210

V. (Unclassified) ACTIVITIES: Usual Organizational duties.

[redacted]

[redacted]

[redacted]

SANDIA BASE ARMY HOSPITAL

CAPTAIN MARILYN K. SCHMICK, WAC

COMMANDING OFFICER - WAC DETACHMENT

I. (Unclassified) ACTIVATION: As recorded in Semiannual Historical Report of WAC Detachment, Sandia Base Army Hospital, Sandia Base, Albuquerque, New Mexico 87115, dated 1 July to 31 December 1963.

II. (Unclassified) MISSION: As recorded in Semiannual Historical Report of WAC Detachment, Sandia Base Army Hospital, Sandia Base, Albuquerque, New Mexico 87115, dated 1 January 1964 to 30 June 1964.

III. (Unclassified) ORGANIZATION: As recorded in Semiannual Historical Report of WAC Detachment, Sandia Base Army Hospital, Sandia Base, Albuquerque, New Mexico 87115, dated 1 January 1964 to 30 June 1964.

IV. (Unclassified) KEY PERSONNEL: Key Personnel of the WAC Detachment during the period covered by this report includes the following along with their date of assignment to DASA.

Captain Marilyn K. Schmick Commanding Officer, WAC Detachment	7 Aug 69
Sergeant First Class Betty J. Cantebury, Detachment Sergeant, WAC Detachment	8 Jan 70

[redacted]

[redacted]

[redacted]

AUTHORIZED STRENGTH

	Officers	Enlisted	Total
Army	1	30	31
Total	1	30	31

ASSIGNED STRENGTH

	Officers	Enlisted	Total
Army	1	35	36
Total	1	35	36

V. (Unclassified) ACTIVITIES: Usual organizational duties.

[redacted]

[redacted]

[redacted]

INDEX
(Field Command, DASA)

A.

[redacted]

[redacted]

B.

C.

[redacted]

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FOUO

C. (Continued)

D.

E.

E. (Continued)

F.

[redacted]

[redacted]

F. (Continued)

G.

H.

H. (Continued)

I.

[redacted]

[redacted]

I. (Continued)

J.

K.

M. (Continued)

[redacted]

[redacted]

[redacted]

P. (Continued)

[redacted]

[redacted]

[redacted]

[redacted]

R. (Continued)

S.

S. (Continued)

T.

V. (Continued)

W.