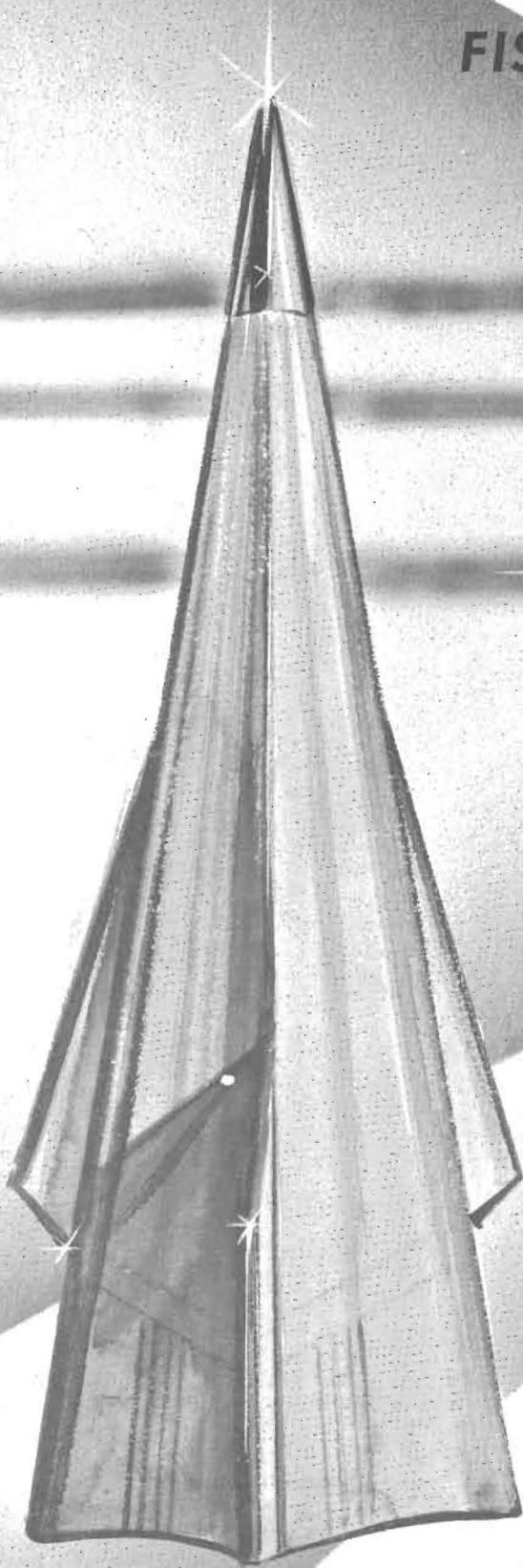


ANNUAL REPORT

FISCAL YEAR 1962



DEPARTMENT OF DEFENSE
STATE OF HAWAII



Governor of Hawaii
Commander-in-Chief
Honorable William F. Quinn



STATE OF HAWAII
DEPARTMENT OF DEFENSE
OFFICE OF THE ADJUTANT GENERAL
FORT RUGER, HONOLULU 16, HAWAII

30 June 1962

Honorable William F. Quinn
Governor of Hawaii
Iolani Palace
Honolulu, Hawaii

Dear Governor Quinn:

I have the honor to submit herewith the Annual Report of the Adjutant General of Hawaii for Fiscal Year 1962. This report is prepared in accordance with the directive contained in Section 353-17, Revised Laws of Hawaii 1955. It is intended to fulfill two purposes: (1) to provide information on the Hawaii National Guard for interested governmental and private organizations, and (2) to provide permanent reference material of historical value.

Copies of the report have been distributed to (1) the various State departments, (2) interested military authorities, (3) local libraries, (4) business organizations in the State, and (5) the Adjutants General of States with whom we conduct National Guard business.

Respectfully submitted,


F. W. MAKINNEY
Major General, HARG
Adjutant General



Major General F. W. Makinney
Adjutant General of Hawaii

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HAWAII NATIONAL GUARD

(Army and Air)

ORGANIZATION AND MISSION

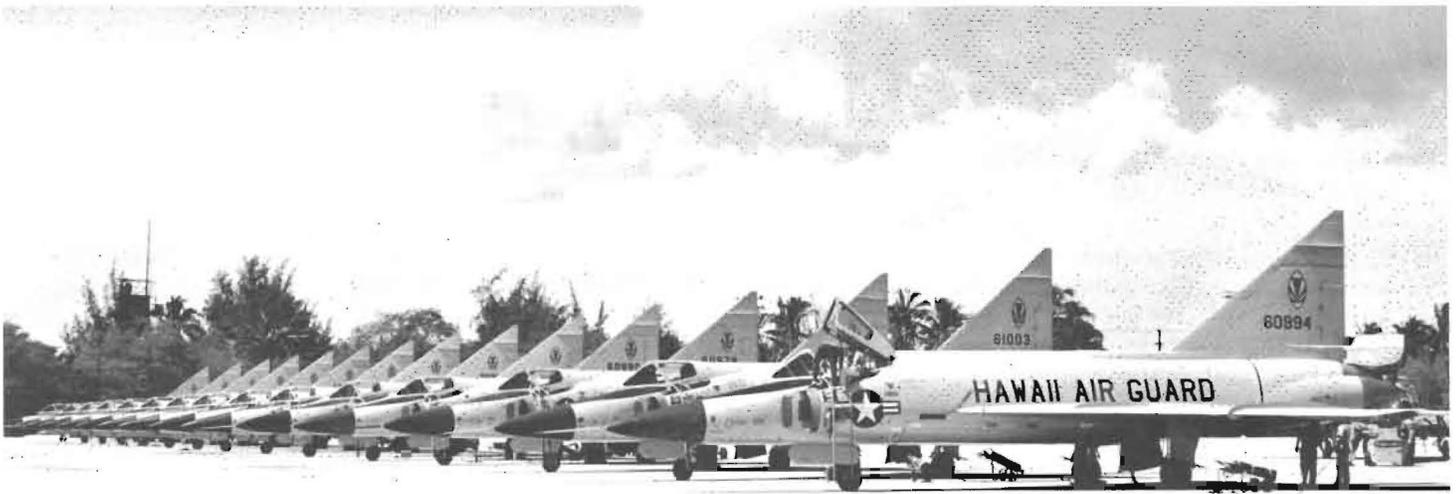
1. **Dual Status:** The Hawaii National Guard is a military organization which constitutes a portion of the reserve components of the Departments of the Army and of the Air Force. In normal circumstances the personnel of the Hawaii National Guard occupy a dual status; i.e., they are members of the organized militia of the State of Hawaii and as such are under the command of the Governor of Hawaii; and at the same time they are members of a reserve component of either the Army or the Air Force, and in that capacity they can be ordered into active Federal service by the President of the United States in time of national emergency. The term "Hawaii National Guard" refers to units of the organized militia while in the service of the State, and the term "National Guard of the United States" refers to the Federal reserve component status of those units.

2. **Mission:** The mission of the Hawaii National Guard remains unchanged during Fiscal Year 1962. As in past years, that mission consisted of two parts, the State and the Federal. The State mission is to provide organizations trained and equipped to function when necessary in the protection of life and property and in the preservation of peace, order, and the public safety as directed by competent State authority. The Federal mission is to provide reserve components of the Army of the United States and of the United States Air Force, able to furnish units trained and equipped to:

a. Defend critical areas of the United States against land, seaborne, or airborne invasion.



In the event of attack, Army Guardsmen could launch deadly NIKE-Hercules missiles in moments. Oahu sites are manned on a 24-hour basis.



Deadly rocket and missile armed F-102 Delta Daggers give Hawaii long range protection. The supersonic Air Guard jets can be airborne within four minutes and locate targets by radar.

b. Assist in covering the mobilization and concentration of the remainder of the reserve forces.

c. Participate by units in all types of operations, including the offensive, in either the United States or overseas.

d. The 298th Arty Gp (AD) is charged with the Army Air Defense of Hawaii. To accomplish this mission six units of the 1st and 2d Msl Bns are occupying Nike Hercules Sites which ring the island of Oahu. The Army Air Defense Command Post (AADCP) is manned and operated around the clock by personnel from HHB 298th Arty Gp.

e. The Hawaii Air National Guard radar stations provide 24-hour surveillance of the Hawaiian area. Additionally, supersonic jet aircraft (F-102) of the 154th Fighter Group (Hickam AFB) provide added air defense of the 50th State. Readied jet aircraft, armed with rockets and missiles, stand runway alert 24-hours a day, 365 days each year.

3. Organization: The Department of Defense is the agency of the State government responsible for the organization and supervision of the Hawaii National Guard and State military affairs in general. The Department of Defense is headed by the Adjutant General of Hawaii, who is a member of the Governor's Cabinet. Components of the Department of Defense include the staff of the Adjutant General, the units of the Hawaii National Guard which include both Air and Army Forces, and the unorganized militia (Hawaii State Guard) when called into the active service of the State. The mission of the Hawaii State Guard is to supplement or relieve the HNG in its mission to provide an adequately trained military force for employment under the jurisdiction of the State of Hawaii and as directed by the Governor.

The Staff of the Adjutant General includes full-time officers and employees furnished at State expense, the United States Property and Fiscal Officer (USP&FO) who is an officer of the Army on active duty, full-time employees furnished at Federal expense, and certain officers and enlisted men of the Hawaii National Guard on drill status. The units of the Hawaii National Guard include the officers and enlisted men on drill status, and a nucleus of full-time officers and employees furnished by both the Federal and State Governments.



Air Guardsmen on 24-hour watch at two radar stations keep vigil. All air traffic in Hawaiian area is tracked and checked.



**ALWAYS
ALERT**

ARMY NATIONAL GUARD

Strength. On 30 June 1962 there were 3765 officers, warrant officers, and enlisted men in the active Army National Guard—an increase of 78 individuals from the strength at the end of the previous fiscal year. The strength of 3765 represents 96% of the maximum authorized strength (3897) of all active units of the Hawaii Army National Guard. Army National Guard strength by islands on 30 June 1962 was as follows: Oahu 2126, Hawaii 871, Maui 451, Kauai 259 and Molo-kai 56. See Plates I and II for the Roster of Principal Commanders and Staff Officers, and Station List.

Officer Personnel. There were 262 officers in the Army Guard at the end of the fiscal year—a decrease of 14 officers from the strength at the end of the previous year. During the fiscal year, there was a total gain of 20 officers and a total loss of 34 officers from the active Army National Guard. During this period, 15 new appointments were effected and 1 officer was transferred to the active Guard from the inactive National Guard. Of the 15 new appointments, 7 appointments were made from officers of the United States Army Reserve, 3 from enlisted status from within the Guard after completing an Officer Candidate School, 3 from the other reserve components, and 2 from other state National Guard units.

Warrant Officer Personnel. There were 51 warrant officers in the Army National Guard as of 30 June 1962—an increase of 6 individuals over the strength at the end of the previous year. There was a total gain of 9 individuals and a loss of 3 individuals during the year.

Enlisted Personnel. There were 3452 enlisted men in the active Army National Guard as of 30 June 1962—an increase of 87 men from the strength at the end of the previous year. During the fiscal year, there were 480 new enlistments and reenlistments with a break in National Guard service and 7 men transferred to the active Guard from inactive status. During this same period, 364 men were discharged and 37 individuals were transferred to the inactive Guard. Of the 464 men discharged for expiration of term of enlistment, 421 were immediately reenlisted without a break in service for an overall reenlistment rate of 91%.

1. **Organization:** The organization of the Hawaii ARNG remained essentially unchanged during this period.

2. **Training:** Training progressed under Army Training Programs with emphasis being stressed at the Basic Unit Training level.

a. **Inactive Duty Training.** Forty-eight (48) two hour regular drills were authorized. However, to take advantage of additional training hours for tactical and technical training, all units (less the Air Defense Arty) of the Hawaii ARNG scheduled a minimum of six (6) eight (8) hour Sunday drills. The Air Defense Arty units scheduled 24 Sunday drills. About \$23,000.00 of federal funds were utilized to support HARNG units for subsistence. Further, \$100.00 was expended for staff training materials and \$562.50 for training aids.

All organizations completed individual small arms qualification and familiarization firing and conducted various phases of basic unit training during this period.

b. **Field Training.** For all, except the 298th Arty Gp (AD), annual field training was conducted during the period 16 Jun 62 thru 30 Jun 62 as follows:

ORGANIZATION	LOCATION
Special Troops	Schofield Barracks
227th Engr Bn (Inf Div)	Schofield Barracks & Kahuku
29th Inf Bde (-)	Schofield Barracks & Kahuku
2nd BG 299th Inf	Pohakuloa Tng Area, Hawaii

All units (less Air Defense Arty) conducted a minimum of four (4) days and four (4) nights in field tactical exercises in conjunction with required training during this period.

(1) The 29th Infantry Brigade stressed training at the rifle company level. All rifle companies successfully completed company level exercises during the period and live firing platoon tests. Numerous schools and demonstrations were conducted for the Brigade by the 25th Inf Div. Some of these were: Radiological Monitoring & Survey, 81mm Mortar and 106mm Rifle Instruction, Counterfire Training, and Radar Training. Other concentrated training areas included principles of mobile task force organizations, battle drill, and combat formations in actual basic unit field problems.

(2) The 298th Arty Gp (AD) conducted two periods of annual field training this past fiscal year. Annual field training for calendar year 1961 was conducted during the period 26 July 61 to 12 Aug 1961, while training for calendar year 1962 was held during the period 9-23 June 1962. All periods of annual field training were conducted at the six Nike-Hercules sites. Annual service practice for the six on-site units were conducted from the Dillingham site during November & December 1961. Three of the six units were cited as honor batteries with Btry B 1st Msl Bn 298th Arty establishing a world record for range to intercept against a supersonic RP76 drone aircraft.



Army Guardsmen lay down deadly fire during annual summer training at Pahakuloa, Hawaii. Guardsmen receive tough, realistic training.

(3) The 227th Engr Bn (Inf Div) successfully completed engineer platoon training test during field training. One week was spent at Kahuku with primary training centering on tactical exercises and maneuvers in preparation for the engineer company training test. During this period and simultaneously with its own required training tests, the battalion provided direct support operations for other units of the Hawaii ARNG by maintaining training area roads, operating water points, serving as infantry when required, etc.

(4) Special Troop units provided normal support operations. In addition, two (2) units, the 613th Ord Co (DS) and the 120th MP Co provided direct support for 2nd BG units training at Pohakuloa, Hawaii.

3. Inspections: The Annual General Inspections were conducted during the months of October through May 1962. The purpose of these inspections is to determine the degree of compliance by ARNG units with requirements established by the Federal government and encompasses administration, supply, training, personnel qualification, morale, appearance, and facilities.

The Army also conducted field training inspections to determine the proficiency of units in the field. Units were rated on military discipline, courtesy, personal hygiene, food service, supply, transportation, weapons, communications, maintenance, individual tactical and functional team training as well as in methods of instruction, unit training, command supervision, and staff performance.

Ratings earned by units during FY 62 as compared to FY 61 are shown below:

4. Army Area and Service Schools: During FY 62, 48 officers and 93 enlisted men attended Mainland and USARHAW Schools on active duty for training status at a cost to the Federal government of about \$174,000.00. Courses ranged from one week courses in chemical, bacteriological, radiological warfare orientation to thirty-two week courses in electronic maintenance. This training program not only trains Guardsmen for State and National defense but also provides personnel the opportunity for Mainland travel and to learn a military specialty which normally compares with civilian vacations.

5. Army Extension Schools: These correspondence courses offered by the various service schools are an important source of military education and a means for the individual to qualify for promotion or to retire a waiver of required professional knowledge. A total of 72 officers and 34 enlisted men actively pursued these courses during the year.

6. 6-Months ACDUTRA Program: This is an extremely valuable program to the National Guard as it provides a flow of trained personnel. Three hundred and forty (340) entered training during the year as follows: July—24, August—14, January—39, March—49, May—7, and June—57.

Self sufficient Guardsmen put in communications during two weeks summer training at Area "X" Schofield Barracks. Complete communications networks can be put up in hours.



ARMORY INSPECTIONS

	FY 62		FY 61	
	NO. UNITS	%	NO. UNITS	%
Sup	3	8%	9	25%
Ex	22	62%	25	69%
VS	0	0	0	0
Sat	11	30%	2	6%
U	0	0	0	0

FIELD TRAINING PERFORMANCE RATINGS

	FY 62		FY 61	
	NO. UNITS	%	NO. UNITS	%
	7	20%	29	85%
	27	80%	5	15%
	0	0	0	0
	0	0	0	0
	0	0	0	0

7. Marksmanship: At the National Matches, Camp Perry, Ohio, the Hawaii National Guard was represented by a 7-man pistol team and a 10-man rifle team. The pistol team, coached by Lt Col Clarence R. Johnson, placed third in a field of 21 NG teams in the National Trophy Team Match.

Members of the rifle team, coached by CWO Ralph Apo, won (National Guard class) the National Trophy Team Match in a field of 48 National Guard State Rifle Teams. Several individual awards were won by team members.

The Hawaii National Guard sponsored the 13th All Service Rifle Tournament in July 1961 in Hilo and the 21st Hawaii Law Enforcement Pistol Tournament in September 1961 at the Diamond Head Range. A total of 84 and 97 competitors respectively, competed.

The most competitive local pistol tournament, the Hawaii Pacific Regional, was conducted at Fort Ruger during the period 28-29 April 1962 by the Hawaii National Guard. A total of 184 competitors participated representing all the Active and Reserve Forces, civilian gun clubs, and many law enforcement agencies.

8. Awards:

Eisenhower Trophy: Won by 613th Ord Co (DS) as the most outstanding company size unit of the HARNG for the calendar year 1961 with a composite score of 90.1%. Areas of consideration were strength, attendance, field training evaluation and Annual General Inspection. The unit is commanded by Capt William Y. Yamada.

CG, USARHAW Trophy: Awarded annually to the outstanding unit of the Hawaii Army National Guard as determined by the Annual General Inspection Evaluations. This year's winner was Btry C 1st Msl Bn 298th Arty commanded by Capt Marvin Ferreira. This award was made for the period 1 July 1961 to 30 June 1962.

National Guard (State) Trophy: Won by HHB 2d Msl Bn 298th Arty for having attained the highest figure of merit (97.44%) in weapons qualification from all units of the State of Hawaii during 1961.

Silhouetted against blast of previous shell, two Guardsmen prepare to drop second mortar shell down tube, during night problem.



Light aircraft of Army Aviation section lands on small dirt strip after smoke flare marks spot. The small, high performance aircraft are used for liaison work. Unit also has two small helicopters.

AIR NATIONAL GUARD

STRENGTH

One thousand and fifty-two officers and airmen were assigned to the units of the Hawaii Air National Guard at the end of the fiscal year. This represented a gain of 114 personnel from the end of the previous year. Assigned strength was 74% of manpower authorization. (See Plate I).

OFFICERS

End of fiscal year strength was 128 officers, a gain of 12 over the previous year. One warrant officer was also assigned. Efforts continued to determine and develop selected senior company grade officers for depth of leadership capability. Unfortunately quotas for resident USAF Air University military education courses were not granted during the year in the number requested. Considerable emphasis was placed on extension courses as substitute training.

AIRMEN

End of fiscal year strength was 923 airmen, a gain of 102 over the previous year. This sizeable gain, can be attributed to increased retention efforts of skilled personnel by unit commanders, and increased USAF basic training school quotas which are required prior to enlisting non-service young men. Thirty-four per cent of new enlistees had prior military service and skills, compared to 64% during the previous year. Seventy-one per cent, or 113 airmen, whose enlistments were completed chose to reenlist the following day. Seventy-one additional airmen extended their enlistments to total a six-year enlistment.

AIR TECHNICIANS

Air Technicians are full time employees of the Department of Defense, State of Hawaii who are paid from federal funds and are the nucleus of each unit. Aside from the care and maintenance of equipment, they provide the personnel capability for the support of the Hawaii Air National Guard active mission of Hawaii's day-to-day air defense. Four hundred twenty five air technicians, plus four security guards, were authorized 30 June 1962 and 426 personnel were assigned. This was an increase of 20 authorized and 29 assigned strength over the previous year.

AIR FORCE ADVISORS

Under USAF Management of the Reserve Forces the responsibility for supervision of training and inspection is carried out by the Gaining Command, and is discharged on a day-to-day basis by assigned Air Force Advisors. Colonel Jack D. Blanchard and Lt. Colonel Wayne Rounsavill were assigned during the year. Three non-commissioned officer Air Force Technical Advisors were also assigned.

ORGANIZATION

The 150th ACW Squadron (F) was activated 21 October 1961 with station at Kokee AFS, Kauai. Personnel were provided from Detachment 1, 109th ACW Squadron, which had operated this new station since 15 March 1961. The unit manning documents of the 109th ACW Squadron were reduced to reflect inactivation of Detachment 1.

Additional authorizations of seven officers and 43 airmen were received by the 154th Fighter Group (AD)

1 November 1961. This increase provided an additional missile loading capability, and provided positions for flying safety, small arms instruction, education/training, pharmacy, and aeromedical functions. The grades of tactical pilot authorizations of the 199th Fighter Interceptor Squadron were increased 1 April 1962 to provide for more field grade officers.

TRAINING

Inactive duty training

Hawaii Air National Guard training is to attain and maintain combat capability. The beginning of the fiscal year found the transition check out phase of the new F-102 DELTA DAGGERS completed. Training was placed on attaining operational readiness with the advanced and more capable F-102 fighter interceptor aircraft.

During the course of the year the Saturday All Day Assemblies were devoted to primarily flying activity, and the Sunday All Day Assemblies to ground schooling and On-the-Job Training. An exception was made to maximum emphasis on training during a February All Day Training Assembly when the new \$2 million hangar facility at Fort Kamehameha was dedicated.

Year Round Field Training

A departure was made from previous years' 15 consecutive days of Annual Field Training in that "summer camp" was only five consecutive days in June and the remaining ten days were scheduled by Unit commanders. This provided for more concentrated On-the-Job Training for individuals and also provided an additional capability to assist in supporting peak workloads. Individuals were scheduled for the ten days released to the units on weekends, dependent upon school vacations, or as coordinated for the convenience of employers of Air Guardsmen. So much of Hawaii Air National Guard training is in technical fields that it is extremely advantageous to have individuals or small sections train together. This proved effective, and will be continued.

Service School

The Hawaii Air National Guard requested a quota of 282 USAF airmen technical school spaces for the fiscal year. Requests were based on each unit forecasting their personnel requirements for operational capability. National Guard Bureau was able to allocate only 80 basic and technical school training spaces for a 29 per cent fulfillment of needs. One space was subsequently withdrawn for a greater need elsewhere, and two spaces were returned by the Hawaii Air National Guard due to lessening requirements for the particular skill. The remaining quota of 77 were effectively utilized for enlistment and training of non-prior service personnel. There was an additional quota of 49 basic training spaces without following technical schooling. Eighteen officers attended service schools. (See Plate III).

INSPECTIONS

Pacific Air Forces conducted an Operational Readiness Inspection of Hawaii Air National Guard units during the June Year Round Field Training which tested the effectiveness of the radar ground environment and utilization of the air defense fighter interceptors. The Inspection was identical to that given similar units of the regular USAF, and simulated combat air defense situations for several days.

AIR DEFENSE AUGMENTATION PROGRAM

The most important aspect of the Hawaii Air National Guard concerns its close integration with our Nation's active air defense. Units of the Hawaii Air National Guard have provided a round-the-clock integrated air defense team of jet air defense fighter interceptors and three radar stations since July 1956. Combat loaded F-102 DELTA DAGGERS and tactical aircrews are ready to scramble takeoff within five minutes notice and two radar stations are operating 24 hours a day, under operational control of the 326th Air Division, Pacific Air Forces. Twenty-four assistances to aircraft in distress, and 554 navigational assists, were given by the ACW Squadrons. There were 303 aircraft scrambles on active air defense missions.

HQ HANG

Hq HANG functions as the command headquarters of the Air National Guard Division of the Department of Defense, State of Hawaii. All management of the HANG continued on a military unit basis as the HANG has evolved from a pure reserve training mission to a *dual* training mission and active air defense capability in being. Emphasis continued on advance planning and increasing emphasis was placed on the economical utilization of HANG resources for mission accomplishment. Planning for the new joint Federal Aviation Agency/Hawaii Air National Guard radar station complex at Mount Kaala, Oahu, received priority.

154th FIGHTER GROUP (Air Defense)

The 154th Fighter Group (Air Defense), with station at Hickam AFB, Oahu, is equipped with F-102A Convair DELTA DAGGER all weather fighter interceptors. The mission of the group is to achieve and maintain operational effectiveness of an air defense fighter interceptor weapons system to identify friendly aircrafts and destroy enemy aircraft within the Hawaiian Air Defense Identification zone.

Considerable emphasis was placed on Disaster Control capability, and operations under radioactive fallout conditions were exercised realistically.

After 15 years residency in Area 65 of Hickam Air Force Base, the Group moved to its new hangar and ramp facilities at Fort Kamehameha in December 1961. This move was without incident and with minimum interference to tactical training operations.

Land-Air Inc., contracted to modify all F/TF-102A aircraft to Configuration Seven, giving each aircraft increased radar capability against aircraft employing electronic countermeasures. Construction was started on the new missile facility and aerospace ground equipment shops. New aircraft refueling trucks and other vehicles were received which replaced outdated equipment.

The 199th Fighter Interceptor Squadron completed its transition into the new F-102-A aircraft and qualified all assigned pilots at the start of the period as combat ready, 12 pilots were subsequently upgraded to Skilled level and one pilot was awarded the Expert grade. Tactical pilots flew 4,029:05 total jet hours, for an average of 155 hours per pilot. Supervisory pilots (Commanders, Operations Officers, etc.) flew an additional 1,126:15 jet hours.

109th AIRCRAFT CONTROL AND WARNING SQUADRON (Fixed)

The 109th Aircraft Control and Warning Squadron (Fixed), with station at Punamano AFS, Oahu, operated their radar station with the mission of providing for the utilization of airspace to the detriment of the enemy.

The 109th ACW Squadron experienced considerable

change in adapting to a mobilization training mission rather than a training mission and participation in Hawaii's active air defense every day. Activation of the Kokee AFS, Kauai, necessitated the transfer of Air Technicians and subsequent revision of training practices. Availability of qualified instructors in Direction Center Operations was seriously curtailed, and new enlistees had to be trained rapidly to meet mission criteria.

Punamano AFS remained in the Air Defense Augmentation Program on a limited basis with the Radio-Relay installation. Station capabilities were tested unexpectedly during February when equipment failure at another radar station temporarily again had Punamano AFS providing 24 hour active air defense.

During the year over 500 tracks were plotted, almost 200 intercepts were directed and seven navigational assists were rendered.

150th AIRCRAFT CONTROL AND WARNING SQUADRON (Fixed)

The 150th Aircraft Control and Warning Squadron (Fixed), with station at Kokee AFS, Kauai, participated in the Air Defense Augmentation Program by 24 hour-per-day radar surveillance of Hawaii's skies and controls F-102 interceptions as required.

This newly activated Squadron devoted considerable attention to completing and beautifying the radar station. Construction of the motor pool building, billeting hutments, guard house, gasoline pump area, security fence, and the radome over the search radar were completed.

During the year over 27,000 tracks were plotted over 3,000 intercepts were directed, 265 navigational assists were rendered, and 13 emergency assists were engaged in.

169th AIRCRAFT CONTROL AND WARNING SQUADRON (Fixed)

The 169th Aircraft Control and Warning Squadron (Fixed), with station at Koko Crater AFS, Oahu, along with the 150th ACW Squadron, participated in the Air Defense Augmentation Program with 24 hour-per-day radar surveillance and ground controlled interceptions.

Key personnel of the Squadron participated in detailed planning for their new radar station at Mount Kaala, Oahu, which will be jointly operated with the Federal Aviation Agency. The facilities of Koko Crater AFS were built during World War II and have about reached the limit of their maintenance. They have also proved anti-quoted as more and more radar and radio equipment has been installed.

During the year over 23,000 tracks were plotted, over 2,000 intercepts were directed, 282 navigational assists were rendered, and 11 emergency assists were engaged in.

199th WEATHER FLIGHT (Forecasting and observing)

The 199th Weather Flight (Forecasting and Observing) is stationed at Hickam AFB, Oahu, and has the mission of providing weather forecasting and observing services as required.

The year 1962 found the 199th Weather Flight at an all time high in operational readiness, training and manning. Cross training programs were conducted with Air Force weather stations at Hickam and Kunia. Especially successful, and a new innovation in Air National Guard training, was On-the-Job Training at the U.S. Weather Bureau High Altitude Forecast Center at Honolulu. This allowed officers and airmen to work under realistic conditions, latest equipment and techniques.

All officers of the Weather Flight are undertaking Extension Courses or graduate training at the University of Hawaii.

Low angle shot shows parachutes hanging in loft prior to repacking by Air Guard personnel. The reservists repack own chutes; have excellent facilities in new hangar in Fort Kamehameha area.



Hawaii's only Raydome protects radar antenna from elements at the Kokee, Kauai Air Guard radar station. A part of Hawaii's Air Defense net, the radar station operates 24-hours a day.

LOGISTICS

ARMY AND AIR NATIONAL GUARD (A report of the United States Property and Fiscal Officer)

Mission: The United States Property and Fiscal Officer for Hawaii is authorized under the provisions of Title 32, United States Code, Section 708. He is a National Guard officer on extended active duty and is directly responsible to the Adjutant General for proper management of federal funds and federal property allocated to the state for support of the Hawaii Army and Air National Guard. He has been designated by the Chief, National Guard Bureau as Class B Agent Finance Officer, Purchasing and Contracting Officer, and Transportation Officer. The Adjutant General has appointed him logistical advisor. Federal funds managed by the USP&FO, support the procurement, storage and issue, and maintenance of supplies and equipment; transportation of personnel, supplies and equipment; payment of National Guard technicians; certain construction projects; service contracts; and the accounting systems necessary to control these funds and supplies.

General: A rating of Superior was received from the USARHAW Inspector General for FY 1962. Audits conducted of Army and Air activities of the USP&FO found all accounts to be in satisfactory condition and with proper controls in effect to insure efficient operation.

Administration: This division is responsible for maintaining a central filing system and the classified file. Reproduction, printing and distribution of publications are combined with message center operations. Secretarial and stenographic duties are performed. The records disposal management program is supervised by this division.

SUPPLY.

Mission and Organization: The mission of the Supply Division is to provide the required logistical services and guidance to the Units and Activities of the Hawaii Army National Guard relative to the procurement, storage, distribution, disposition, inventory and accounting of supplies and equipment obtained from federal funds. To provide these services and guidance and to maintain the required accountable records, the Division is broken down into functional branches.

Operation: During Fiscal Year 1962, the Stock Control Branch serviced the needs of all sixty-eight (68) Property Book accounts. The major portion of this service involved the issue and turn-in of supplies and property required to maintain a well-equipped reserve force and to maintain the operational capabilities of the Nike-Hercules Air Defense missile batteries. The work performed by the various sections of the stock control branch to support the logistical requirements of the Hawaii Army National Guard is shown in the succeeding tables. The first table below reflects the work performed by the Requirements Section, the Accounting Section and the Storage and Distribution Sections in preparing the required requisitions; maintaining the required accountable records relative to receipts, issue and turn-in of items received; and in handling, distributing and storing incoming and outgoing supplies and equipment. The next table compares the "over the counter" sales by

the Supply Store of office and janitorial supplies and minor building and grounds maintenance supplies such as hardware, paints, and lubricants.

Number, Types, and Line Items of Supply Document PROCESSED DURING FISCAL YEAR 1962

TYPE	DOCUMENTS	NUMBER OF LINE ITEMS	VALUE
Depot Receipts	5,793	18,336	\$ 186,521.38
Shipped to Depot	524	3,645	42,508.09
Unit Issue	11,300	18,519	212,004.97
Unit Turn-Ins	4,212	9,302	33,178.57
Local Purchase	1,473	4,458	25,482.05
Requisitions	2,707	16,950	472,571.00
Lateral Transfer & Adjustments	8,162	19,768	63,221.00
TOTAL	34,171	90,978	\$1,035,487.06

Comparison of Self Service Supply Store Sales, Allotment and Inventory with Previous Year

	FY 62	FY 61
Inventory	\$49,520.00	\$36,220.00
Monetary Allotment	45,896.00	33,272.00
Sales	44,666.00	30,722.00

The Financial Inventory Accounting (FIA) Branch maintains a dollar value record of warehouse stocks and other pertinent data on inventory transactions, stockage objectives, work load, requisitions, demands and issues. The data obtained from the FIA branch is continuously analyzed to determine management action to increase the efficiency of the Supply Division and to effect economy in operation. The data obtained from the FIA ledgers at the close of the fiscal year revealed the ratio-of-assets-to-requirements of 80%; inventory turn-over of 4.5 times; and a serviceable inventory of \$46,258.00.

The Field Audit Branch conducts annual audits and change of Property Book Officer audits of all sixty-eight (68) Property Book accounts and internal audits of the USP&FO supply activities to determine whether or not supplies and equipment are properly utilized and accounted for and whether or not the procedures utilized are in accordance with existing regulations and directives. The end results and the effectiveness of these audits are reflected in the many "Excellent" and "Superior" Inspector Generals ratings for Supply as well as a reduction in the number and amount of Reports of Survey and Quarterly Report of Operational Breakage and Losses as shown below:

Number and Value of Quarterly Report of Operational Breakage and Losses and Reports of Survey Processed

	NUMBER		VALUE	
	FY 62	FY 61	FY 62	FY 61
Quarterly Report of Breakage and Losses	68	74	\$1,031	\$2,106
Report of Surveys	8	27	\$5,783	\$6,071

Outlook for Fiscal Year 1963: At the close of Fiscal Year 1962, the U. S. Defense Department organized a single Defense Supply Agency responsible for the logistical support of all the military services. Under this setup, the entire requisitioning and issue procedures were revised effective 1 July 1962 for economy in operations and faster and more dependable service to the supported units and activities. A major task of the Supply Division

during the latter part of the fiscal year was to effect procedural changes and instruct technician personnel on the requirements of the new military standard requisitioning and issue procedure (MILSTRIP). This change-over was accomplished without any serious interruption or delay in providing the required logistical support to the units and activities. The outlook for Fiscal Year 1963 with the advent of MILSTRIP and the machine requisitioning and reporting system appears bright. It is anticipated that Fiscal Year 1963 will bring about a more efficient logistic operation and a more economical and dependable service to the supported units and activities of the Hawaii Army National Guard.

ASSISTANT USP&FO FOR AIR (PROPERTY)

The logistic support requirements furnished by Base Supply, Hawaii Air National Guard, decreased from the previous year. This decrease is contributed to the completion of the "Fig 7" modification on the F-102 aircraft and the increase in repair capability within the HANG units. With the increase of repair capabilities and firm consumption experience and data has enabled HANG Base Supply to decrease the number of line items from 19,500 to 13,903. This was accomplished as an excess project and returned many items and dollars back into the Air Force Supply system.

There were 46,582 documents processed by HANG Base Supply during the year as compared with 54,957 for the previous year—a decrease of 8,474. These transactions consisted of 16,553 with the 154th Fighter Group (Air Defense), 1,499 with the 169th Aircraft Control and Warning Squadron (Fixed), 1,872 with the 150th Aircraft Control and Warning Squadron (Fixed), 1,295 with the 109th Aircraft Control and Warning Squadron and 25,364 by HANG Base Supply for off base shipments, receipts and local purchase transactions. This is an average of 174 documents per working day. HANG Base Supply was rated satisfactory on all audits and inspections during the year. The average "Aircraft Out of Commission for Parts" rate was excellent—being less than 3.5 percent (exact rate is classified). The 154th Fighter Group (AD) was "Aircraft Out of Commission for Parts" free for 170 consecutive days, on the F-102 honor roll for five consecutive months and was rated fifth Air Force worldwide for two months. This excellent rate can be contributed to cooperation between HANG Maintenance and Base Supply and the establishment of lateral support with Pacific Air Command F-102 Units in the Far East.

The procurement section of HANG Base Supply processed 728 petty cash purchases with local vendors for a total expenditure of \$22,445.21 and made 795 purchases at Hickam Air Force Base local purchase store for a total of \$24,389.45. Hickam local purchase store procures a percentage of items from local vendors. Two hundred eighty-eight (288) other purchase requests were submitted to the USP&FO for Hawaii for a total expenditure of \$142,123.15. A total of 1,674 separate procurement transactions were made for a grand total of \$188,957.81.

The Hawaii Air National Guard is programmed for equipment to mechanize the Base Supply system. Also new facilities are under construction adjacent to the 154th Fighter Group. The mechanization and moving adjacent to the customer will enable certain functions to be consolidated and improve supply support to all HANG units.

BUDGET & FISCAL

Federal funds for the support of the Army and Air

National Guard are part of the Annual Congressional Defense appropriations. Funds apportioned for the support of the Army and Air National Guard are administered by the Chief, National Guard Bureau with specific allotments of funds issued to each state for support of the approved Annual Funding Program of the State.

The United States Property & Fiscal Officer is the custodian of all federal funds made available to the state. The financial administration of Army National Guard funds is performed by the Budget & Fiscal Officer, and the Air National Guard funds by the Assistant USP&FO for Air (Fiscal).

Fiscal Activities—Army: The Budget & Fiscal Officer assigned to the Office of the United States Property & Fiscal Officer is responsible for the management of the fiscal activities of the Army National Guard. The principal functions of the Budget & Fiscal Division include development and presentation of the budget program, financial management, fiscal accounting, civilian payroll administration, and purchasing and contracting.

Federal funding support for the Army National Guard is presented to the Chief, National Guard Bureau as an Annual Funding Program. Quarterly allotments are issued by the National Guard Bureau to support the approved program. Quarterly financial management reports are submitted to the National Guard Bureau in statistical and narrative form stating the status of the funds and an analysis of the effectiveness of the management program. The Hawaii Army National Guard achieved an obligation rate of 99.3 percent of available funds in support of the year-round requirements, and 90.0 percent of Annual Field Training requirements, or an overall effectiveness of 97.9 percent. Scheduling of Annual Field Training activities at the end of the fiscal year precludes adjustments between programmed and actual requirements resulting in the lower effectiveness.

The Fiscal Accounting Activity is responsible for maintenance of accounting records in such a manner as to currently reflect the status of available funds, and to render periodic fiscal reports. Accounting requirements and procedures are established in accordance with active Army regulations. Disbursing services for Army National Guard funds are provided by active Army installations.

The federal funds obligated in support of the Hawaii Army National Guard is shown in Plate IV.

The Civilian payroll activity is responsible for the maintenance of personnel records, payroll administration, leave, time and attendance accounting, and earnings records of full-time technicians paid from federal funds. Full-time technicians are programmed and categorized in functional areas, i.e.—Organizational USP&FO, Field Maintenance, Air Defense, and Air Defense Site Maintenance technicians. Funding limitations for Air Defense Site Maintenance personnel (groundkeepers) restricted hours of work to 72 hours per bi-weekly period. Hawaii Army National Guard technician personnel and payroll data for Fiscal Year 1962 are shown in Graph I. (see next page)

Public Law 87-224, approved 13 September 1961, provided for federal funds to pay the employer's share of State Retirement benefits for Army and Air National Guard technicians, as well as FICA costs. The maximum contribution of the federal government may not exceed 6.5 percent of each individual employee's compensation. Action to implement this provision of PL 87-244 was taken in May 1962 when an agreement between the federal government and the State of Hawaii was executed. Payments were made retroactive to September 1961.

The Purchasing and Contracting activity provides procurement services and contract administration for the Army and Air National Guard. Procurement policies are governed by actual Army and Air Force Procurement Regulations. Procurement actions initiated during the fiscal year ended 30 June 1962 are as follows:

Number Actions	Type of Procurement	Dollar Valuation
1,306	Purchase/Delivery Orders	\$256,226
1,033	Cash Purchases	24,987
7	Utilities Contracts	87,408
1	Armory Construction Contract	183,378
3	Service Contracts	74,096
22	Non-Armory Construction Contracts	170,035
2,372		\$796,130

The character of purchases and dollar distribution by Island are shown in Graph II.

ASSISTANT USP&FO FOR AIR (FISCAL)

The total assets of the Hawaii Air National Guard were \$49,682,782 at the end of Fiscal Year 1962. This represents an increase of approximately \$4,177,000 (9.2%) over the previous year. The reasons for this increase were: (1) The acquisition of \$1,546,000 of equipment to be used in the construction of a new radar station. The acquisition of this equipment resulted in an increase of 58.5% in the Materiels on Hand account, (2) The completion of the new hangar apron and taxiway at Fort Kamehameha at a cost of approximately \$2,647,418.

Material on Hand	\$ 4,188,622
Equipment in Use	6,811,692
Aircraft	34,174,264
Real Property Leased from Air Force	4,508,204
	\$49,682,782

Federal funds expended in support of the Hawaii Air National Guard are shown in Plate IV.



Army and Air Guard fulltime technicians constantly maintain Guard equipment to keep at high state of readiness.

CIVILIAN TECHNICIANS

During the fiscal year, a total of 635 full time technicians under the Army National Guard Technician Program were employed: Project 7512 (Organizational) had 90 technicians employed; Project 7513 (USP&FO) had 47 technicians employed; Project 7514 (Field Maintenance) had 67 technicians employed; Project 7621 (Air Defense) had 431 technicians employed.

During the year, there were 4002 personnel changes: Appointments, 128; separations, 65; salary increases, 724; step changes only, 17; reassignments with increases, 130; reassignments without increases, 125; upgrade in position grade, 7; and administrative payroll changes, 2806.

GRAPH I

	Average Nr Employed	Man-Months In Pay Status	Total* Payroll	Average* Per Annum Salary
Organizational Technicians	90.4	1079.2	\$ 625,848.31	\$6,961.60
USP&FO Technicians	46.7	560.0	313,422.27	6,711.40
Field Maintenance Technicians	65.2	779.8	453,120.00	6,971.08
Air Defense Technicians	417.5	4765.2	2,311,778.74	5,821.65
Air Defense Site Maintenance	2.7	16.2	6,336.53	6,184.18
Total	622.5	7200.4	\$3,710,505.86	\$6,184.18

*Includes Employer's cost of FICA & State Retirement

GRAPH II

	OAHU	HAWAII	MAUI	KAUAI	MOLOKAI	TOTAL
Gasoline	\$ 5,105	\$13,916	\$ 3,358	\$ 6,106	\$249	\$ 28,734
Subsistence	1,900	5,060	2,755	3,877	364	13,956
Repair Services	8,979	6,576	135	994	48	16,732
Utilities	86,021	666	436	283	—	87,406
Construction	306,443	—	—	46,971	—	353,414
Service Contracts	51,682	14,749	7,439	226	—	74,096
Operating Supplies	208,350	2,318	391	10,604	129	221,792
Total	\$668,480	\$43,285	\$14,514	\$69,061	\$790	\$796,130

Operation TAPER: Implementation program for instituting "The Army's Plan for Equipment Record Revision" was initiated by the Army during the fiscal year. The new equipment record system and procedure will be applicable to the Army National Guard. Several communications have been received from the National Guard Bureau regarding implementation of TAPER by this command effective 1 January 1963. Plans are now underway for the implementation to include a program of instruction and issuance of necessary directives to meet this deadline.

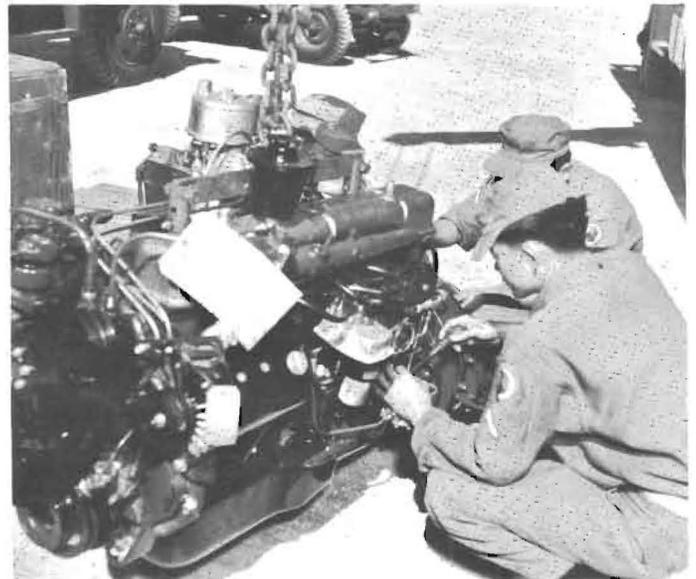
MAINTENANCE

Annual Command Maintenance Inspection: The annual Command Maintenance Inspection of Hawaii Army National Guard units and maintenance activities was conducted by inspection teams comprised of technicians from HARNG Combined Field Maintenance Shops Nr. 1 and Nr. 2. The inspection was performed under the direction of the State Maintenance Officer, in accordance with existing regulations, to determine the condition of maintenance of organizational materiel and the effectiveness of organizational maintenance procedures. Results of that inspection have been collated and are shown in the table below:

Overall Command Maintenance Inspection Ratings

	No. Inspected	Superior	Excellent
HARNG Units	39	37	2
Maintenance Activities	12	8	4

There has been no change in the overall maintenance structure during the last fiscal year. Status of maintenance activities, i.e., designation, location, mission, and number of personnel employed as of 31 July 1962 as follows:



Maintenance of rolling stock and equipment is important to Guard mission. Here, new engine is about to be installed in one of many large trucks Guard owns.

Activity and Location	General Assigned Mission	Nr of Full-Time Employees
Office of the SMO	Supervise maintenance of HARNG	3
Combined Field Maintenance Shop Nr. 1, Ft Ruger, Honolulu	Field maintenance support of all units on the Islands of Oahu, Maui, Kauai and Molokai	30
Combined Field Maintenance Shop Nr 2, Hilo	Field maintenance support of all units on the Island of Hawaii	14
Field Training Equipment Concentration Site Waiawa Gulch, Oahu	In-storage maintenance of stored vehicles and equipment in support of all units	8
Organizational Maintenance Shop Nr 1, Ft Ruger Honolulu and (State Transportation Motor Pool)	Organizational maintenance support of 4 units	3
Organizational Maintenance Shop Nr 2, Ft Ruger Honolulu	Organizational maintenance support of 4 units	3
Organizational Maintenance Shop Nr 3, Ft Ruger Honolulu and (1st Transportation Motor Subpool)	Organizational maintenance support of 6 units	2
Organizational Maintenance Shop Nr 4, Wahiawa and (2nd Transportation Motor Subpool)	Organizational maintenance support of 5 units	2
Organizational Maintenance Shop Nr 5, Ft Ruger Honolulu	Organizational maintenance support of 2 units	3
Organizational Maintenance Shop Nr 6, Lihue and (5th Transportation Motor Subpool)	Organizational maintenance support of 4 units	1
Organizational Maintenance Shop Nr 7, Paukukalo, Wailuku and (4th Transportation Motor Subpool)	Organizational maintenance support of 4 units	3
Organizational Maintenance Shop Nr 8, Hilo and (3rd Transportation Motor Subpool)	Organizational maintenance support of 4 units	5
Organizational Maintenance Shop Nr 9, Honokaa	Organizational maintenance support of 4 units	1
Organizational Maintenance Shop Nr 10, Hilo	Organizational maintenance support of 2 units	3
ARNG Aviation Maintenance Shop, Honolulu Airport	Field and organizational maintenance support of all ARNG aircraft on the Island of Oahu	10
ARNG Aviation Maintenance Sub-Shop Hilo Airport	Organizational maintenance support of ARNG aircraft on the Island of Hawaii	1
ARNG Aviation Maintenance Sub-Shop, Kahului	Organizational maintenance support of ARNG aircraft on the Island of Maui	1

CIVIL DEFENSE

Mission: The mission of the State Civil Defense Division is to organize, mobilize and direct the civilian population and resources of the State and County Governments to insure maximum survival of the population and minimize damage to property in the event of natural or man-made disasters or of impending disasters.

Organization: The State Civil Defense Division is the non-military component of the State Department of Defense headed by the Adjutant General of Hawaii as provided by the Hawaii State Government Reorganization Act of 1959.

The Adjutant General is the State Civil Defense Director and coordinates the civil defense activities of the County governments. Each of the four counties has its own Civil Defense Agency headed by a Deputy Director, who is the County executive officer, and operated by the County Civil Defense Administrator and his staff.

The State Civil Defense Director is assisted by the Vice Director and members of the staff in the normal administration of the Division. Staff members include the Administrative Assistant, Plans and Operations Officer, Economic Resources Mobilization Officer, Logistics and Supply Officer, Intelligence Officer, Public Information Officer, Communications Officer, Medical Consultant, Disaster Nursing Consultant (temporary), Radiological Monitoring Specialist, Health and Medical Services Assistant, Emergency Welfare Officer, an Accountant and two stenographers.

Although the normal operation of the Division is administered by the regular staff members, in the event of a civil defense emergency the Division's functions will be carried out by its seven branches: Personnel and Administration, Intelligence, Operations, Resources Production, Health and Medical, Communications and Emergency Welfare. Four branches, i.e., Intelligence, Operations, Resources and Production, and Communications branches, are headed by State Civil Defense staff members. The other three branches are headed by directors of State government departments: Personnel and Administration by the director of the Department of Personnel Services, Health and Medical by the director of the Department of Health, and Emergency Welfare by the director of the Department of Social Services.

Among the many cooperating agencies are the Armed Forces, American Red Cross, U.S. Coast and Geodetic Survey, U.S. Weather Bureau and the U.S. Department of Agriculture.

Studies begun in early 1962 on the management of

Hawaii's resources in the event of a national civil defense emergency, highlighted the numerous accomplishments of the State Civil Defense Division during the 1961-62 fiscal year.

Another achievement was the big stride made in the field of public information and education which was partly due to the increased demand by the general public for civil defense information particularly during the months immediately following the Berlin crisis of the Autumn of 1961.

Personnel

While no major disasters occurred during the fiscal year, the course of actions taken in the development of the various programs was steered by the Director assisted by Vice Director William M. Bowman who was appointed to the post in August 1961. Mr. Bowman replaced the former Vice Director who had resigned to accept the position of Administrator of the Hawaii County Civil Defense Agency.

Personnel gains of four positions aided the Division's stepped up program. New appointees included the Administrative Assistant, Emergency Welfare Officer, Radiological Monitoring Specialist and Disaster Nursing Consultant, a temporary position, bringing the total number on the staff to 16.

Resources and Production

One of the most outstanding achievements in the interest of civil defense in organizing Hawaii's economists and businessmen was the direct result of the Hawaii Emergency Resources Planning Project which got under way in January 1962 at a luncheon at Washington Place. Attended by a hundred Oahu business, professional, government and military leaders as well as officials from the National and Regional headquarters of the Office of Emergency Planning, the meeting was the first of a series held by various committees and sub-committees to develop pre-attack plans and arrangements to manage Hawaii's resources and economic activities after an attack.

The extent of the studies included food and feed, health and medical, manpower, petroleum, transporta-

Short wave radio sets within CD Emergency Operating Center can maintain communications during emergency with any part of Oahu, the neighbor islands and California.



tion, construction material and equipment, utilities, production capability, communication, legal authority, economic stabilization and overall resources management. Committee reports are expected to be completed by the end of 1962. The studies were made on a state-wide basis, county by county.

Several of the key personnel conducting the state-wide studies had participated in the two-day Industry Survival Institute in June 1961 which in effect was the beginning of concerted and intensive efforts of local business and industry representatives under Civil Defense leadership in the continuous program of planning for survival in a nuclear war.

Even while the June 1961 conference was in session, the State Civil Defense Economic Resources Mobilization Officer who was the conference coordinator, was assigned the responsibility for administration of the Governor's Emergency Food Committee to cope with the then current maritime strike situation. The committee continued its activity through late summer.

That committee was reactivated in the Spring of 1962 to contend with problems associated with another maritime strike situation which became so involved that two State Civil Defense staff members, the Resources Officer and the Logistics Officer, were assigned for more than a month to the Governor's Office to assist the Administrative Director in problems relating to the strike situation.

Information and Education

Public interest in civil defense hit an all-time high during the Berlin crisis in the Fall of 1961. The staff, during that period, was swamped with calls for information on survival under nuclear attack and requests for civil defense speakers at meetings of various community groups and organizations. To cope with the public clamor for civil defense information, the staff prepared and published in October 1961 a pamphlet on individual family survival entitled "Survival for You and Your Family," written in non-technical language with eye-catching illustrations. Through the cooperation of the postal authorities and the Junior Chamber of Commerce, copies of the pamphlet were delivered to practically every household throughout the Islands. In addition, the Federal government published a booklet, "Fallout Protection," in December and made them available at every post office. Thus printed survival information was put within reach of every resident of Hawaii.

Meanwhile, public appearances by staff members kept pace with requests. During the course of the year, staff members gave talks to 103 groups with an estimated attendance of 9,100.

At the same time, in the stepped-up tour program of the Civil Defense Emergency Operating Center, 50 groups totaling some 1,686 persons visited the underground facilities in Diamond Head Crater. Also approximately 5,000 persons visited the Civil Defense displays at Ala Moana Park on Armed Forces Day in May. In addition, staff members made three television appearances and were on several radio programs during the year.

While the program of disseminating information to the general public was being conducted and while courses in individual survival were being given through the Adult Education Division of the Department of Education, the staff began work on a basic civil defense course which utilizes 35 mm slides as visual aids. The basic course to be used in indoctrinating all State and County government employees was being perfected at the close of the fiscal year.



CD displays attracted thousands during Armed Forces Day 1962. On display were communications equipment, Jimmy Walker's mobile radio unit, fallout shelter supplies, radiological equipment and medical supplies.

Shelter Program

The Federal Fallout Shelter Survey and Marking Program was begun in the Fall of 1961 with the Army Corps of Engineers responsible for the studies in the counties of Hawaii, Maui and Kauai, and the Navy Public Works department covering Oahu. Public and private buildings, caves and tunnels were surveyed under this program. The studies on Oahu incorporated the findings of the 1961 survey of buildings in the City of Honolulu to determine the capabilities of the structures to provide protection against radioactive fallout, a Federally financed project.

Phase One of the shelter survey and marking program, to determine the protection offered by the structures, was completed in the Spring of 1962. Considering only shelters having a minimum protection factor of four and minimum capacity of 50 spaces, the findings showed a total of 295 facilities with total spaces for 96,962 in the Islands. The report noted that if sub-standard facilities could be improved, the total number of available spaces would be about doubled.

The marking and stocking of shelters with Federal supplies is expected to be accomplished during the next fiscal year.

In the matter of rehabilitating the Emergency Operating Center, Birkheimer Tunnel, Diamond Head, the engineering firm of Wilson Associates completed the engineering studies in January 1962 and the budget request for the renovation project was prepared. However it was not possible to get the necessary funds for the improvements and thus efforts to have the emergency operating center made fallout-proof and satisfactorily functional were stymied for this fiscal year. Also stymied were plans for the rehabilitation of Harlow Tunnel which houses the Civ-Alert radio broadcasting studio.

Health and Medical

With the full cooperation of the State Department of Health and the local medical profession, studies by the Medical Task Group of the Hawaii Emergency Resources Planning Project were conducted under the chairmanship of the director of the Department of Health. Several of that department's personnel were assigned to work with the task group.



Dr. Casimer Jasinski, State CD Medical consultant and Mrs. Maureen Wong State CD Disaster Nursing Consultant, inspect part of training equipment used in Medical Self-Help Training program.

Assistance provided by private physicians was notable in the Disaster First Aid Station training program launched on Oahu in late 1961 and continued through the year through the cooperation of parent-teacher associations and community organizations.

Another advance in the field of health and medical services was the beginning of the Medical Self Help program designed to teach individuals how to care for the sick and injured when doctors are not available following a nuclear attack. Twenty instruction kits were received from the Federal government in March 1962 and the training program, drafted by a steering committee, got into full swing in June when the Disaster Nursing Consultant was added to the staff to spearhead the program.

In conjunction with the Hawaii Medical Association, local hospitals were encouraged to conduct exercises to test their disaster plans. Test exercises were held at Queen's, St. Francis and Kuakini hospitals.

In the radiological defense program, equipment for 197 fixed monitoring stations were received from the Federal government during the year. While the preliminary locations of the fixed monitoring stations have been firmed, the sites of the monitoring network will be revised upon completion of the Shelter Survey.

The radiological defense program was strengthened by the establishment of a full-time position of the radiological monitoring specialist. Meanwhile, the training of volunteer monitors continued in all four counties.

Communications

Advancements were made in the area of communications and warning system. A study was initiated in late 1961 to improve (1) methods of receiving warning information at the primary warning point (the Honolulu Police Station), (2) the method of notifying key Civil Defense personnel and (3) the method of warning the public over Civ-Alert, a system in which disaster information can be broadcast simultaneously over all local commercial radio stations. The study was completed in February and upon approval by the Governor, work on the project was begun. The new additional system is scheduled to be operational by the end of 1962.

Also during the latter part of 1961 a new network was added to the warning system by having Civ-Alert broadcasts carried over the Music-Air Sound Systems. Thus employees and customers of business establishments served by Music-Air will hear the warning messages originating from the Civil Defense broadcasting studio.

In the matter of monthly tests of Civil Defense sirens,

a uniform testing of sirens on a State-wide basis was inaugurated in January of 1962.

Radio equipment for the National Communications System 2 (NACOM-II) was received from the Federal government in the Spring of 1962 and space was allocated for the equipment in the radio room of the Emergency Operating Center.

Recruiting and training of teletype operators and amateur radio operators progressed during the year under the direction of the Communications Officer.

Emergency Welfare

A stepped up program in the area of emergency welfare was a result of the establishment of the Emergency Welfare Officer position which was filled in February 1962. The new officer drafted a special civil defense course in emergency welfare for presentation to the employees of the Department of Social Welfare, and by the end of the fiscal year he had given the course to some 200 (approximately half) of the department's employees.

The Emergency Welfare Officer also participated in mass feeding courses held in conjunction with the Red Cross, Department of Education and other agencies.

Miscellaneous

While no major disasters occurred during the fiscal year, there was a volcanic eruption in an undeveloped area in the Kalapana section of Puna on the Big Island which brought the Hawaii County Civil Defense Agency's key personnel into action in September 1961. The scene of the eruption was a few miles away from the disastrous eruption of the previous year. Although two villages were evacuated when it appeared there might be some danger of their being cut off by flows, the eruption subsided within a few days without damage to roads or populated areas.

Hawaii, the island which in past years has suffered great losses from tidal waves, evolved a tidal wave evacuation plan for the city of Hilo. The plan was tested in a city-wide exercise on November 28, 1961, at which time an estimated 10,000 people were evacuated in a simulated tidal wave warning.

The first meeting of the four County Civil Defense administrators and operations officers with the State Civil Defense staff was held in December 1961. It was the forerunner of regularly scheduled meetings of county administrators with the State's Vice-Director for the purpose of facilitating and improving the Civil Defense program throughout the State.

CONTRACTING AND ENGINEERING

NATIONAL GUARD AND CIVIL DEFENSE

Armory Construction

One new armory was completed and a second one was placed under contract during Fiscal Year 1962. A new one-unit armory on the interior of Diamond Head Crater was completed and accepted on 12 April 1962. This armory will house the 613th Ordnance Company (Direct Support) of the Hawaii Army National Guard. Cost of the new armory was \$189,000.00 of which the Federal share was \$115,000.00 and the State paid \$74,000.00. Location of the new armory ties in with the overall master plan for the Fort Ruger area and places it in close proximity to the proposed location of the new Combined Field Maintenance Shop which is scheduled to be constructed in Diamond Head Crater during Fiscal Year 1963.

A new three-unit armory to be located on the corner of 22nd Avenue and Puu Panini Place was placed under contract on 8 May 1962. This armory will provide facilities for the Headquarters and Headquarters Company, 29th Infantry Brigade; Headquarters and Headquarters Company, 1st Battle Group, 299th Infantry; and Headquarters and Headquarters Battery, 1st Missile Battalion, 298th Artillery. Cost of the armory is \$389,600.00 to be supported by federal funds in the amount of \$190,900.00 and State funds in the amount of \$198,700.00.

Non-Armory Construction

Only two non-armory construction projects were completed during the reporting period. The first project was for the modification of the Army Aviation Shop-Hangar in Building 242 at Honolulu International Airport at a cost of \$2,997.50, and consisted of the installation of beams in the interior of the building to eliminate the intermediate columns and thus provide space for covered storage of aircraft.

The second project was for the construction of chain link security fencing and a flammable materials storage building at the Army National Guard Field Training Equipment Concentration Site, Waiawa Gulch, Oahu, Hawaii. Total cost of this project was \$16,305.00.

Both of the above projects were supported 100% from Federal funds.

Maintenance and Repair of Facilities

For the past several years, funds allocated for maintenance of facilities have been insufficient to provide for an adequate maintenance program. The real property administered by the Department of Defense amounts to approximately 1,500,000 square feet of floor space and 1,500 acres of land. The allocation of funds for maintenance has not been geared to a criteria based upon the actual facilities in being and does not reflect the increased costs in all categories of maintenance. As a consequence, maintenance tends more and more to be performed on an emergency basis rather than a properly planned program of preventive maintenance.

The following projects were accomplished under service contract with the National Guard Bureau. Under this program the work was accomplished utilizing State funds, and the State was reimbursed in the amount of 75% of the cost of the projects from Federal funds:

LOCATION	SCOPE OF WORK	COST
Kahului, Maui	Repairs to Army Aviation Hangar-Shop	\$ 6,750.00
Keaukaha Mil Res, Hilo	Repainting of Vehicle Shop, Building 622	7,051.00
Camp Paukukalo, Maui	Repair and Waterproofing of Vehicle Storage Building	2,585.00
Keaukaha Mil Res, Hilo	Painting of Shop, Building 501	1,450.00
	Total	\$17,836.00

The following major repair and maintenance projects (over \$1,000) were accomplished utilizing 100% State of Hawaii funds:

LOCATION	SCOPE OF WORK	COST
Lihue, Kauai	Repainting of Lihue Armory	\$ 3,902.00
Keaukaha Mil Res, Hilo	Repainting of Keaukaha Armory	4,098.00
Fort Ruger	Repairs to Building 32	2,661.00
Kekaha, Kauai	Modifications to Rifle Range	1,482.00
Wailuku, Maui	Reroofing of Wailuku Armory	6,400.00
Kahului, Maui	Repair Storm Damage to Army Aviation Hangar	1,550.00
Camp Paukukalo, Maui	Repairs and Modification of Packing and Crating Shop	1,657.00
Fort Ruger	Reroofing of Machine Shop, Building 90	2,888.00
	Total	\$24,638.00



New armory inside of Diamond Head crater is home of 613th Ordnance Company. Design is typical of all new armories being constructed throughout the state by the Guard.

(Continued on next page)

Air National Guard Construction and Maintenance

A new Hawaii Air National Guard Hangar and Apron Facilities in the old Fort Kam area of Hickam Air Force Base were completed on 6 November 1961 at a cost of \$1,887,213. Also completed on 17 November 1961 at a cost of \$209,000 was a new access taxiway connecting the Hawaii Air National Guard Hangar and Apron Facilities with Runway 8-26 of the Hickam-Honolulu International Airport complex. Both of these projects were constructed under the supervision of the District Engineer, Honolulu District, Corps of Engineers.

In addition to the above, the District Engineer awarded a contract on 24 January 1962 for the construction of an Air National Guard Missile Storage and Checkout Facility at a cost of \$265,045. This facility is also located in the old Fort Kam area of Hickam Air Force Base adjacent to the new Hangar and Apron complex.

The following major repair and minor construction projects for the Air National Guard were designed and placed under contract by the Contracting and Engineering Section of this department during the reporting period, all supported 100% from Federal funds:

LOCATION	SCOPE OF WORK	COST
Hickam A.F.B.	Liquid Oxygen Storage Building	\$ 2,475.00
Hickam A.F.B.	Repair & Resurface Parking Area	7,400.00
Kokee A.F. Sta.	Gasoline Storage & Dispensing Unit	7,561.10
Kokee A.F. Sta.	Construction of Two Wooden Hutments	12,160.00
Hickam A.F.B.	Extension of 440-V Electrical Service	6,106.00
Hickam A.F.B.	Modification of Battery Selfridge	8,222.41
Hickam A.F.B.	Resurface Interior Road	4,700.00
Hickam A.F.B.	Paving Around Hanger Building	2,936.39
Punamano A.F. Sta.	Repainting Generator & Administration Buildings	755.00
Hickam A.F.B.	Alterations to Interior of Hangar Building	1,283.00
Kokee A.F. Sta.	Installation of Scramble Alert System	2,496.00
Kokee A.F. Sta.	Installation of Toilet Facilities	5,445.00
Koko Crater A.F. Sta.	Construction of Hutment	2,846.71
Hickam A.F.B.	Construction of Ground Support Equipment Building	49,586.00
Hickam A.F.B.	Construction of Power Check Pad	15,635.00
Kokee A.F. Sta.	Extension to Operations Building	21,664.71
	Total	\$151,272.32

Civil Defense

A project for furnishing and installing of Civil Defense Air Raid Warning Sirens on all islands was completed during Fiscal Year 1962. Under this program a total of 71 new sirens were procured and installed and 21 existing sirens were relocated at a total cost of \$220,382.61. The revised Civil Defense Disaster Warning System will provide more adequate coverage of danger areas throughout the state with special attention being given to those low-lying areas which may be subjected to tidal waves.

Another Civil Defense project undertaken during the reporting period was an engineering survey and report of the existing facility in Birkheimer Tunnel at Diamond Head to determine the work necessary to meet the requirements for a Civil Defense Emergency Operating Center. The survey was completed and a report was rendered by the engineering consulting firm of Wilson Associates, Inc. Total cost of the survey and report was \$24,285.88 for which the state received a reimbursement from the Federal Government of \$10,000. As a result of this survey and report, it was estimated that the total cost of all work required to modify Battery Birkheimer to meet the requirements for an emergency operating center, including costs of engineering, design and supervision, would be \$520,000. Funds required to accomplish the necessary work have been included in the Departmental Capital Improvements Program for Fiscal Year 1964.



Air Guard jets fly over new hangar facility in the Fort Kamehameha-Hickam Air Force Base complex. The over \$2,000,000 facility was completed 6 November 1961.

STATE SUPPORT

NATIONAL GUARD AND CIVIL DEFENSE

Funds: During the fiscal year ended June 30, 1962 the Hawaii National Guard and the Civil Defense Division expended a total of \$1,099,275 to support its seven major programs. Of this amount \$974,373 was expended out of Appropriated Funds and \$124,902 out of Specific Appropriation Funds.

Appropriated Funds: These funds accrue to the department by legislative appropriation on a fiscal year basis to cover departmental operational requirements. The following is a breakdown of actual expenditures as against allocation by programs:

Hawaii National Guard		
Programs	FY 62 Allocation	FY 62 Expenditures
Command and Administration	\$256,313	\$255,754
Maintenance and Operation	430,427	429,058
Encampment and Active Duty Pay	47,590	38,804
Totals	\$734,330	\$723,616

Civil Defense Division		
Programs	FY 62 Allocation	FY 62 Expenditures
Administration	\$152,482	\$151,685
Health Services	22,276	20,632
Special	76,442	76,202
Surplus	3,000	2,238
Totals	\$254,200	\$250,757
Grand Totals	\$988,530	\$974,373

Specific Appropriation Funds: The balance of \$80,943 carried forward into fiscal year 1962 as authorized under Act 9 Special Session Laws of Hawaii 1960 and Act 18 Session Laws of Hawaii 1960 covered obligations incurred for the purchase and installation of Civil Defense communications and warning equipment and for the renovation of Harlow Tunnel. Of the \$80,943 carried forward into fiscal year 1962, \$71,355 was expended during the fiscal year. An additional \$3,170 was provided for the installation and relocation of Civil Defense air raid sirens on the island of Kauai, an allotment authorized from the Contingent Fund under Act 125 Session Laws of Hawaii 1961. The State also provided the sum of \$100,000 from the Major Disaster Fund created by Act 272 Session Laws of Hawaii 1957 to cover the cost of repairs to public facilities damaged during the period October 31, 1961 thru November 3, 1961 at Maui County. These damages were caused by severe rainstorms during the four day period. Of the \$100,000 appropriated, \$50,377 was expended during the fiscal year ended June

30, 1962. The available balance is programmed for fiscal year 1963.

Service Contracts: The Hawaii Army and Air National Guard are provided Federal support under the Service Contract Program wherein certain expenditures for personal services and operational costs are subsidized out of Federal Funds. These contracts negotiated annually between the State of Hawaii and the Federal Government provide for reimbursement of 75% of certain maintenance and operational costs to the State for installations which are Federally owned or licensed to the State of Hawaii. During the fiscal year the Army Service Contract realized a total of \$45,067.21 in reimbursements while the Air Service Contract provided for a total reimbursement of \$14,629.10. A recapitulation of Service Contract revenues for the fiscal year by installations is as follows:

Installation	Reimbursement FY 62
Army	
Fort Ruger, Oahu	\$31,720.50
Keaukaha Military Reservation, Hawaii	9,354.09
Honolulu Airport, Oahu	1,490.55
Waiawa, Oahu	1,859.90
Organizational Maintenance Shops	642.17
Total Army	45,067.21
Air	
Installation	
Hickam Field, Oahu	\$11,732.97
Punamano, Oahu	2,896.13
Total Air	\$14,629.10
Grand Total	\$59,696.31

Federal Funds-Civil Defense: The Civil Defense Division is provided Federal support under the M25-1 Matching Program or Hardware Program covering expenditures for equipment and services which are eligible for Federal Matching funds. They include maintenance costs and line rentals of the Civil Defense siren system, telephone and communication requirements for the Emergency Operating Center, expenses for Civil Defense exercises conducted periodically and for the purchase of selected equipment which are required during disaster. During the fiscal year the Civil Defense Division realized a total of \$29,301 Federal Matching Fund revenues. Additional federal support was received under the Personnel and Administrative Program, Public Law 85-606, whereby the Federal Government supported 50% of the total cost of approved administrative expenses totaling \$94,576 of which \$47,288 was reimbursed to the State.

PLATE I—PRINCIPAL COMMANDERS AND STAFF OFFICERS

The Adjutant General of Hawaii—Major General F. W. Makinney
Deputy Adjutant General—Brig Gen David P. Silva

ARMY NATIONAL GUARD

Assistant Adjutant General, HARNG
Brig Gen Frederick A. Schaefer III

HQ Det HARNG Staff

Chief of Staff Col John Campbell
G-1 Lt Col William C. Meyer
G-2 Maj Ronald B. Greig
G-3 Lt Col John Naumu
G-4 Lt Col Forest A. Hatfield
Judge Advocate Col William M. Blatt
Surgeon Lt Col Alvin V. Majoska
Ordnance Officer Lt Col Clarence R. Johnson
Selective Service Officer Col William A. Boyen
HQ Det Commander 1st Lt Howard E. Cadinha

Special Troops

CO 120th MP Co Capt Harry K. Brown Jr.
CO 613th Ord Co Capt William Y. Yamada
CO 111th Army Band CWO Carl S. Baptiste
CO 117th Pub Info Det 1st Lt William H. Miller

227th Engr Bn

CO Lt Col Francis A. I. Bowers Jr.
XO Maj Joseph Holck
S-1 Capt Shigeyoshi Morita
S-2 Capt Edward C. Masuoka
S-3 Capt Alexis T. Lum
S-4 Capt Colin G. Kippen

298th Arty Group

CO Col John M. Becker
XO Lt Col Manuel Kwon
S-1 Maj Kerwin R. Keys
S-2 Maj Melvin Alencastre
S-3 Maj Conrad C. Tsukayama
S-4 Maj David F. DeCosta
CO 1st Msl Bn 298th Arty Lt Col Edward M. Yoshimasu
CO 2nd Msl Bn 298th Arty Lt Col Masato Sugihara

29 Inf Bde

CG Brig Gen Michael R. Roman
XO Col Francis S. Takemoto
S-1 Maj Archie Kennison, Jr.
S-2 Maj Bernaldo D. Bicoy
S-3 Lt Col Reginald K. F. Lau
S-4 Maj Saburo Ito
Surgeon Lt Col Rudolph P. Wipperman
Signal Officer Maj Gordon D. R. Lawson
CO 1st BG 299th Inf Col Clyde W. Woods, Jr.
CO 2nd BG 299th Inf Lt Col George S. McEldowney

AIR NATIONAL GUARD

Assistant Adjutant General, Air/Commander
Brigadier General Valentine A. Siefertmann

Headquarters, Hawaii Air National Guard

Director of Operations Colonel James R. Ashford
Weapons Director Staff Officer Captain Kurt E. Johnson
Educ & Tng Staff Officer Captain Norman T. Westly
Director of Comm-Elect Major Arthur U. Ishimoto
Ground Electronics Officer Captain Richard Y. Okita
Director of Personnel Lt Colonel Walter F. Judd
Manpower Mgt Officer Major Robert A. Hite
Director of Material Lt Colonel Russell L. Smith Jr.
Supply Officer CWO W-3 Joseph L. Barnett
Planning Engineer (DS) Captain David F. Wissmar III
Comptroller (DS) Captain Richard S. Furuno

154th Fighter Group (Air Defense)

Commander Lt Colonel Robert B. Maguire
Executive Officer Major Padraic B. Evans
Director of Material Lt Colonel George R. Duncan
Operations Staff Officer Major Letwell P. A. Duvauchelle
Personnel Staff Officer Captain James K. Lota
Communication Officer Major Tyler M. Harr, Jr.

154th Air Base Squadron

Commander Major Peter R. M. Fowler
Air Operations Officer Captain William T. Klopp

154th Consolidated Aircraft Maintenance Squadron

Commander Major Jarrett F. Carr
Armament Systems Officer Captain John H. Beaumont, Jr.

154th USAF Dispensary

Commander Major (MC) Claude V. Caver, Jr.

154th Material Squadron

Commander Major William W. Dau
Supply Officer (Base) Captain Frank Carlos

199th Fighter Interceptor Squadron

Commander Major Kenneth L. Fisher
Operations Officer Major Ross P. England

109th Aircraft Control and Warning Squadron (Fixed)

Commander Lt Colonel Robert G. O'Hara
Operations Staff Officer Major DeWitt C. Bye

150th Aircraft Control and Warning Squadron (Fixed)

Commander Major William E. Mossman
Operations Staff Officer Capt Raymond J. Moriguchi

169th Aircraft Control and Warning Squadron (Fixed)

Commander Lt Colonel Kiyoshi P. Goya
Operations Staff Officer Captain Joseph D. Chambless, Jr.

199th Weather Flight (Forecasting and Observing)

Commander Major Allen D. Pearson

PLATE II—STATION LIST OF UNITS

ARMY NATIONAL GUARD

UNIT	STATION	DATE OF FED RECOG	UNIT	STATION	DATE OF FED RECOG
HQ & HQ Det, HARNG	Fort Ruger, Hon, Haw	9 Sept 45	29th Inf Bde Plus Attached Units		
120th MP Co	Fort Ruger, Hon, Haw	8 Jan 51	HQ & HQ Co 29th Inf Bde	Fort Ruger, Hon, Haw	4 Jan 54
613th Ord Co (DS)	Fort Ruger, Hon, Haw	30 Sep 46	1st BG 299th Inf		
111th Army Band	Fort Ruger, Hon, Haw	10 Sep 46	HQ & HQ Co	Fort Ruger, Hon, Haw	30 Jun 47
117th Pub Info Det	Fort Ruger, Hon, Haw	1 Mar 60	Co A	Lahaina, Maui, Haw	6 Jan 47
227th Engr Bn (Inf Div)			Co B (-)	Kaunakakai, Molokai, Haw	10 Mar 47
HQ & HQ Co	Fort Ruger, Hon, Haw	27 Jan 47	1st Rifle Plat & Wps		
Co A	Fort Ruger, Hon, Haw	15 May 47	Plat Co B	Wailuku, Maui, Haw	22 Oct 46
Co B	Fort Ruger, Hon, Haw	17 Apr 47	Co C	Kahului, Maui, Haw	26 Jun 47
Co C	Fort Ruger, Hon, Haw	29 Sep 47	Co D (-)	Lihue, Kauai, Haw	28 Oct 46
298th Arty Group Plus Attached Units			1st Rifle Plat & Wps		
HQ & HQ Btry Arty Gp	Fort Ruger, Hon, Haw	14 Oct 46	Plat Co D	Kapaa, Kauai, Haw	17 Nov 47
1st Msl Bn (Nike Hercules) 298th Arty			Co E (-)	Hanapepe, Kauai, Haw	9 Jun 47
HQ & HQ Btry	Fort Ruger, Hon, Haw	7 Jul 47	1st Rifle Plat Co E		
Btry A	Pearl City, Oahu, Haw	28 Jun 48	Cmbt Spt Co	Wailuku, Maui, Haw	22 Oct 46
Btry B	Kahuku, Oahu, Haw	3 Nov 47	2nd BG 299th Inf		
Btry C	Bellows AFS, Waimanalo, Oahu, Haw	29 Jun 48	HQ & HQ Co	Hilo, Hawaii	8 Oct 46
Btry D	Bellows AFS, Waimanalo, Oahu, Haw	18 Aug 47	Co A (-)	Olaa, Hawaii	12 Nov 47
2nd Msl Bn (Nike Hercules) 298th Arty			1st Rifle Plat Co A		
HQ & HQ Btry	Wahiawa, Oahu, Haw	11 Aug 47	Co B	Hilo, Hawaii	5 May 47
Btry A	Ewa, Oahu, Haw	10 May 48	Co C (-)	Laupahoehoe, Hawaii	12 Jul 47
Btry B	Wahiawa, Oahu, Haw	15 Sep 47	1st Rifle Plat & Wps		
Btry C	Dillingham AFS, Waiialua, Oahu, Haw	17 Nov 47	Plat Co C	Kohala, Hawaii	3 Jun 47
Btry D	Ewa, Oahu, Haw	15 Dec 47	Co D	Honokaa, Hawaii	16 Jul 47
			Co E	Kealahou, Hawaii	15 Aug 47
			Cmb Spt Co	Hilo, Hawaii	2 Mar 47
			284th Trans Co	Hilo, Hawaii	20 Nov 46

AIR NATIONAL GUARD

UNIT	STATION	DATE OF FED RECOG
Headquarters, Hawaii Air National Guard	Fort Ruger, Oahu	1 Jan 52
154th Fighter Group (Air Defense)	Hickam A.F.B., Oahu	1 Dec 60
(Hq, 154th Fighter Group (Air Defense)	(Hickam A.F.B., Oahu)	(1 Dec 60)
(154th Air Base Squadron)	(Hickam A.F.B., Oahu)	(1 Dec 60)
(154th Consolidated Acft Maint Squadron)	(Hickam A.F.B., Oahu)	(1 Dec 60)
(154th Material Squadron)	(Hickam A.F.B., Oahu)	(1 Dec 60)
(154th USAF Dispensary)	(Hickam A.F.B., Oahu)	(1 Dec 60)
(199th Fighter Interceptor Squadron)	(Hickam A.F.B., Oahu)	(Nov 46)
109th Aircraft Control & Warning Squadron (Fixed)	Punamano A.F.S., Oahu	4 Dec 50
150th Aircraft Control & Warning Squadron (Fixed)	Kokee A.F.S., Kauai	21 Oct 61
169th Aircraft Control & Warning Squadron (Fixed)	Koko Crater A.F.S., Oahu	7 Oct 56
199th Weather Flight (Forecasting & Observing)	(Hickam A.F.B., Oahu)	(4 Nov 46)

PLATE III—SERVICE SCHOOLS

ARMY

OFF	EM	SCHOOL	OFF	EM	SCHOOL
		US Army Air Def Sch, Ft Bliss, Tex		1	Acft Maint Entry
	9	Nike Universal FCS Maint			US Army Info Sch, Ft Slocum, N.Y.
	6	Nike Universal Elect Main		1	Info Specialist
	2	AN/MSQ 18 Btry Terminal Equip Maint			US Army JAG Sch, Charlottesville, Va
1		Assoc Air Def Off Career	1		Civil Law
1		Air Def Orient			US Army Armor Sch, Ft Knox, Ky
2		Nike Universal Off		1	Armor Vehicle Maint Supv
		US Army Inf Sch, Ft Benning, Ga			US Army Ord Sch, APG, Md
2		Inf Off Orientation	1		Automotive Maint & Repair
3		Inf Field Grade Off Refresher			US Army Trans Sch, Ft Eustis, Va
3		Assoc Inf Off Career	1		Trans Off Familiarization
2		Special NG Inf OCS	1		Special NG Avn Maint Refresher
1		Tactical Off Orient			US Army Fin Sch, Indianapolis, Ind
2		Inf Radio Maint		1	Disbursing Specialist
		US Army Engr Sch, Ft Belvoir, Va			US Army PMC Sch, Ft Gordon, Ga
1		Engr Off Orient	1		Assoc MP Officer Career
1		Assoc Engr Off Career	2		MP Off Orient
	1	GM Instal Elect Equip			US Army AG Sch, Ft Benj Harrison, Ind
		US Army Signal Sch, Ft Monmouth, N.J.		1	Pers Admin Specialist
1		Signal Off Refresher	1		AG Off Refresher
		US Army C&GSC, Ft Leavenworth, Kansas			Brooks AFB, Ft Sam Houston, Tex
2		Special Orientation	1		Primary Crs in Acro Space Medicine
1		Nuclear Wpns Employment			Walter Reed Army Inst, WRAMC, Wash, DC
		US Army Avn Sch, Ft Rucker, Ala	2		Management of Mass Casualties
1		Single Engine Obs & Util Airplane			

AIR

OFF	EM	SCHOOL	OFF	EM	SCHOOL
4		Weapons Controller, Tyndall AFB, Fla		2	Inventory Management Specialist,
2		Interceptor Weapons School (Pilot/Controller)			Amarillo AFB, Tex
		Tyndall AFB, Fla		2	Administrative Specialist, Amarillo AFB, Tex
3		Command and Staff College, Maxwell AFB, Ala		2	Communications Center Specialist,
5		Squadron Officer School, Maxwell AFB, Ala			Sheppard AFB, Tex
1		Disaster Control Officer, Lowry AFB, Colo		1	Intelligence Operations Specialist,
1		Communication Electronics Officer,			Sheppard AFB, Tex
		Keesler AFB, Miss		1	Data Processing Machine Operator (Punched
1		Maintenance Analysis Course, Chanute AFB, Ill			Card) Sheppard AFB, Tex
1		Flight Safety Officer,		2	Weather Observer, Chanute AFB, Ill
		University of Southern Calif		3	Aircraft & Missile Electrical Repairman,
	2	Aircraft Electronic Navigation Equipment			Chanute AFB, Ill
		Repairmen, Keesler AFB, Miss		1	Flight Simulator Specialist, Chanute AFB, Ill
3		Radio Relay Equipment Repairman		1	Aircraft & Missile Pneudraulic Repairman,
		(Carrier & Antrac Eqp), Keesler AFB, Miss			Chanute AFB, Ill
3		Ground Communication Equipment Repairman		3	Aircraft Ground Equipment Repairman,
		(Light), Keesler, AFB, Miss			Chanute AFB, Ill
11		Aircraft Control & Warning Operator		1	Personnel Equipment Specialist (General),
		(Manual) Keesler AFB, Miss			Chanute AFB, Ill
6		Aircraft Control & Warning Radar		1	Mechanical Accessories & Equipment Repairman,
		Repairman, Keesler AFB, Miss			Chanute AFB, Ill
4		Aircraft Radio Repairman, Keesler AFB, Miss		1	Aircraft & Missile Maintenance Analysis
1		Radio Relay Equipment Repairman, (Micro-			Specialist, Chanute AFB, Ill
		wave & Associated Relay Center Eqp),		4	Air Policeman, Lackland AFB, Tex
		Keesler AFB, Miss		2	Personnel Specialist, Greenville AFB, Miss
6		Weapons Control System Mechanic		1	Radiology Specialist, Gunter AFB, Ala
		(MG-3, 10, 13) Lowry AFB, Colo			
1		Guidance Systems Mechanic (GAR),	18	77	
		Lowry AFB, Colo			
3		Weapons Mechanic, Lowry AFB, Colo		49	USAF Basic Military Training,
3		Jet Aircraft Mechanic, One & Two Engines,			Lackland AFB, Tex
		Amarillo AFB, Tex			ECI ENROLLMENTS TOTAL--248
3		Jet Engine Mechanic, Amarillo, AFB, Tex			154th Fighter Group (AD) 173, 109th ACW Sq
3		Organizational Supply Specialist,			53, 150th ACW Sq 8, 169th ACW Sq 14
		Amarillo AFB, Tex			

**PLATE IV
FEDERAL FUNDS EXPENDED IN SUPPORT OF THE
HAWAII ARMY & AIR NATIONAL GUARD, FISCAL YEAR 1962**

FUNDED SUPPORT AT ARMY NATIONAL GUARD LEVEL:

Personnel Services		\$ 4,359,608
Civilian Pay	\$3,710,506	
Military Pay	649,102	
Transportation & Travel:		121,948
Personnel	88,616	
Equipment & Supplies	33,332	
Supplies & Services:		459,193
Organizational Equipment	117,113	
Clothing & Equipage	67,798	
Petroleum, Oils & Lubricants	50,952	
Subsistence	92,147	
Repair Parts & Services	111,330	
Miscellaneous	19,853	
Construction, Repairs & Utilities:		374,103
Armory Construction	196,798	
Non-Armory Construction	16,305	
Maintenance & Repairs	76,424	
Utilities	84,576	
		\$5,314,852

FUNDED SUPPORT BY OTHER FEDERAL AGENCIES:

Armory Drill Pay	1,142,263	
Annual Field Training	71,000	1,213,263

TOTAL FEDERAL FUND SUPPORT FOR ARMY NATIONAL GUARD TOTAL \$ 6,528,115

FUNDED SUPPORT AT AIR NATIONAL GUARD LEVEL:

Personnel Services:		\$ 2,927,051
Civilian Pay	\$2,715,378	
Military Pay	211,673	
Transportation & Travel:		47,743
Personnel	37,802	
Equipment & Supplies	9,941	
Supplies & Services:		317,895
Organizational Equipment	62,809	
Clothing & Equipage	39,078	
Petroleum, Oils & Lubricants	16,279	
Subsistence	19,967	
Miscellaneous	179,762	
Construction, Repairs & Utilities:		220,269
Non-Armory Construction	80,447	
Maintenance & Repairs	134,518	
Utilities, Incl Communication	5,304	
		\$ 3,512,958

FUNDED SUPPORT BY OTHER FEDERAL AGENCIES:

Armory Drill Pay	358,175	
Organizational Equipment	5,868,835	
Basic Trainees Pay & Allowances	106,809	
Air Advisor's Pay & Allowances	55,269	
Air Alert Pilots' Pay & Allowances	78,002	
Aviation Gasoline	319,415	
Utilities	58,117	
Contract Personnel	437,600	
Construction	495,452	
Maintenance & Repairs	54,909	7,832,583

TOTAL FEDERAL FUND SUPPORT FOR AIR NATIONAL GUARD TOTAL \$11,345,541

GRAND TOTAL OF ARMY & AIR FEDERAL FUNDS SUPPORT: TOTAL \$17,873,656

PLATE V—STATE PAID EMPLOYEES BY CLASS AND DISTRIBUTION

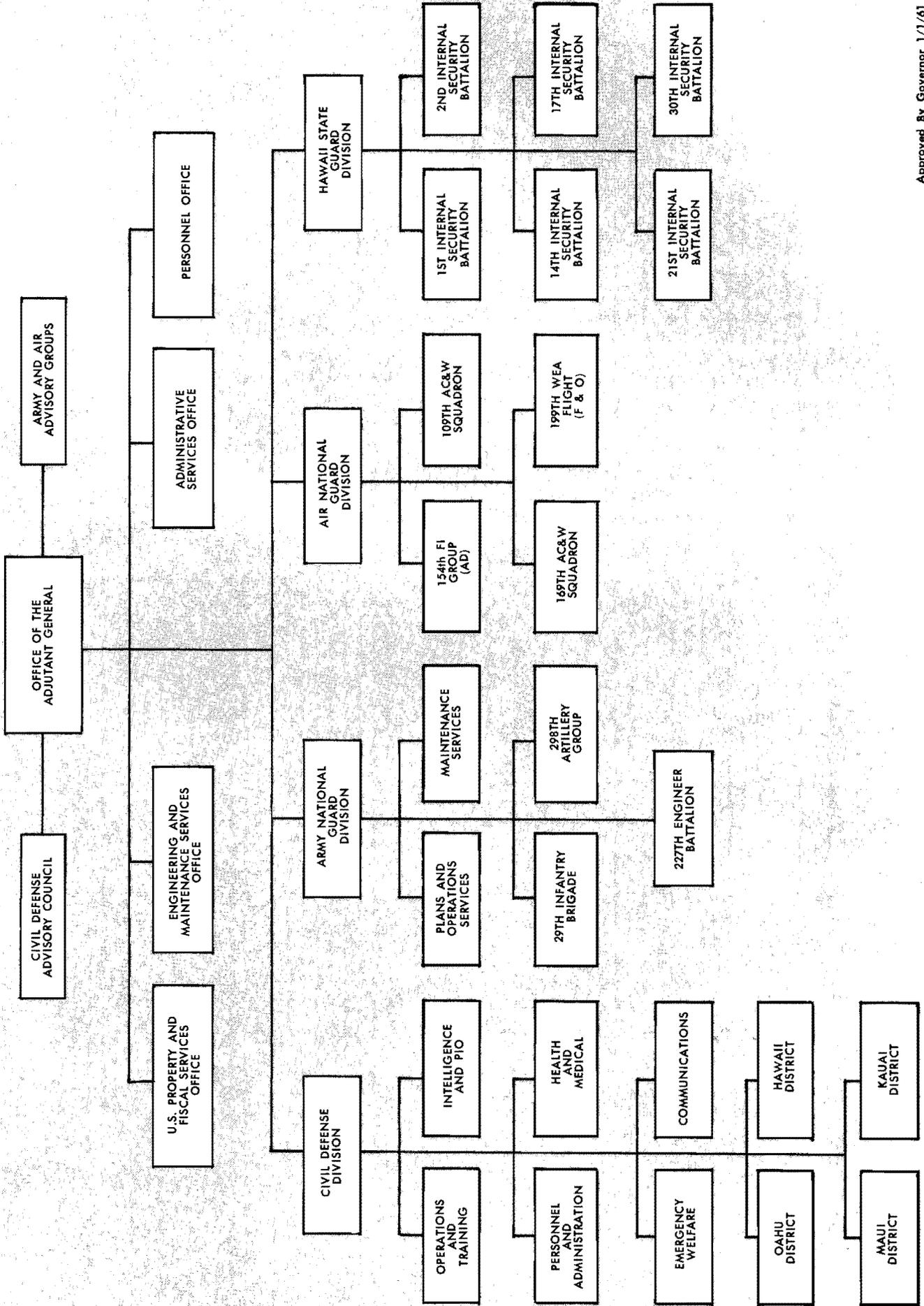
NO. OF POSITIONS	CLASS	COMPENSATION RATE	DIVISION
OAHU			
1	Adjutant General	Maj Gen	Office of The Adjutant General
1	Deputy Adjutant General	Brig Gen	Office of The Adjutant General
1	Private Secretary to the Department Head	SR-18	Office of The Adjutant General
1	Administrator I	SR-13	Office of The Adjutant General
1	Chauffeur	SR-5	Office of The Adjutant General
1	Administrative Services Officer	Lt Col	Administrative Services Office
1	Fiscal Officer	SR-21	Administrative Services Office
1	Public Information Officer	SR-21	Administrative Services Office
1	Public Information Technician	SR-16	Administrative Services Office
1	Purchasing Agent	SR-15	Administrative Services Office
1	Typist III	SR-8	Administrative Services Office
1	Messenger	SR-1	Administrative Services Office
1	Personnel Officer	Lt Col	Personnel Services Office
1	Assistant Personnel Officer	SR-21	Personnel Services Office
1	Personnel Assistant I	SR-15	Personnel Services Office

Plate V continued on next page

PLATE V—STATE PAID EMPLOYEES BY CLASS AND DISTRIBUTION (continued)

NO. OF POSITIONS	CLASS	RATE COMPENSATION		DIVISION
		OAHU		
1	Clerk III	SR-8	Personnel Services Office	
1	Clerk II	SR-6	Personnel Services Office	
2	Typist II	SR-6	Personnel Services Office	
1	Assistant Military Property & Supply Officer	SR-17	U.S. Property & Fiscal Office	
1	Assistant Warehouse Supervisor	SR-13	U.S. Property & Fiscal Office	
1	Storekeeper	SR-8	U.S. Property & Fiscal Office	
1	Typist II	SR-6	U.S. Property & Fiscal Office	
1	Contracting & Engineering Officer	Lt Col	Engineering & Maintenance Services Office	
1	Building & Grounds Maintenance Superintendent	SR-21	Engineering & Maintenance Services Office	
1	Architectural Draftsman II	SR-15	Engineering & Maintenance Services Office	
1	Typist II	SR-6	Engineering & Maintenance Services Office	
1	Plumber	SR-12	Engineering & Maintenance Services Office	
1	Electrician I	SR-12	Engineering & Maintenance Services Office	
2	Carpenter I	SR-12	Engineering & Maintenance Services Office	
4	Patrolman I	SR-8	Engineering & Maintenance Services Office	
1	Truck Driver	SR-7	Engineering & Maintenance Services Office	
1	Equipment Operator II	SR-7	Engineering & Maintenance Services Office	
1	General Laborer III	SR-7	Engineering & Maintenance Services Office	
2	Building Maintenance Helper	SR-7	Engineering & Maintenance Services Office	
5	General Laborer II	SR-5	Engineering & Maintenance Services Office	
5	General Laborer I	SR-3	Engineering & Maintenance Services Office	
3	Janitor II	SR-3	Engineering & Maintenance Services Office	
1	Military Plans & Training Officer	Lt Col	Army National Guard Division	
1	Assistant Military Plans & Training Officer	SR-21	Army National Guard Division	
1	Military Administrative Technician	SR-7	Army National Guard Division	
1	Clerk-Stenographer III	SR-8	Army National Guard Division	
1	Clerk-Stenographer II	SR-6	Army National Guard Division	
2	Typist II	SR-6	Army National Guard Division	
1	Automotive Mechanic II	SR-13	Army National Guard Division	
1	Automotive Mechanic I	SR-11	Army National Guard Division	
2	Janitor II	SR-3	Army National Guard Division	
1	Military Air Staff Officer	Col	Air National Guard Division	
3	General Laborer II	SR-3	Air National Guard Division	
1	Groundskeeper I	SR-3	Air National Guard Division	
1	Vice-Director of Civil Defense	SR-27	Civil Defense Agency	
1	Plans & Operations Officer	SR-24	Civil Defense Agency	
1	Intelligence & Education Officer	SR-23	Civil Defense Agency	
1	Information Specialist	SR-15	Civil Defense Agency	
1	Economic Resources Mobilization Officer	SR-24	Civil Defense Agency	
1	Logistics & Supply Specialist	SR-20	Civil Defense Agency	
1	Civil Defense Medical Consultant	SR-26	Civil Defense Agency	
1	Health & Medical Services Assistant	SR-17	Civil Defense Agency	
1	Communications Officer	SR-23	Civil Defense Agency	
1	Administrative Assistant	SR-18	Civil Defense Agency	
1	Emergency Welfare Coordinator	SR-21	Civil Defense Agency	
1	Radiological Monitoring Specialist	SR-19	Civil Defense Agency	
1	Accountant I	SR-15	Civil Defense Agency	
1	Secretary	SR-14	Civil Defense Agency	
2	Stenographer II	SR-7	Civil Defense Agency	
HAWAII				
1	Brigade Commander	Lt Col	Army National Guard Division	
1	Clerk IV	SR-8	Army National Guard Division	
1	Typist I	SR-4	Army National Guard Division	
1	Asst. Building & Grounds Maintenance Superintendent	SR-16	Army National Guard Division	
1	Electrician I	SR-12	Army National Guard Division	
1	Building Maintenance I	SR-10	Army National Guard Division	
1	Equipment Operator IV	SR-11	Army National Guard Division	
4	Patrolman I	SR-8	Army National Guard Division	
2	Building Maintenance Helper	SR-7	Army National Guard Division	
1	Tractor Mower Operator	SR-6	Army National Guard Division	
2	General Laborer II	SR-5	Army National Guard Division	
2	General Laborer I	SR-3	Army National Guard Division	
KAUAI				
1	Administrative, Supply & Maintenance Officer	SR-18	Army National Guard Division	
1	Typist II	SR-6	Army National Guard Division	
1	Automotive Mechanic I	SR-11	Army National Guard Division	
3	Janitor II	SR-3	Army National Guard Division	
MAUI				
1	Administrative, Supply & Maintenance Officer	SR-18	Army National Guard Division	
1	Typist II	SR-6	Army National Guard Division	
1	Building Maintenance Helper	SR-7	Army National Guard Division	
1	General Laborer II	SR-5	Army National Guard Division	
2	Janitor II	SR-3	Army National Guard Division	
MOLOKAI				
1	Janitor I	SR-1	Army National Guard Division	

STATE OF HAWAII
 DEPARTMENT OF DEFENSE
 PLAN OF ORGANIZATION



ADJUTANTS GENERAL OF HAWAII

1894 - 1959

—

Brig. Gen. John H. Soper
July 6, 1894 — April 1, 1907

Col. John W. Jones
April 2, 1907 — August 15, 1915

Brig. Gen. Samuel I. Johnson
August 16, 1915 — February 19, 1918

Maj. Will Wayne (Acting)
March 1, 1918 — June 7, 1918

Col. Will Wayne
June 8, 1918 — September 21, 1918

Col. Harry S. Hayward
September 23, 1918 — February 8, 1921

Col. William D. Potter
February 9, 1921 — July 31, 1923

Maj. John W. Short
August 1, 1923 — August 24, 1923

Col. Perry M. Smoot
September 20, 1923 — August 3, 1946

Maj. Gen. F. W. Makinney
August 4, 1946 — Incumbent