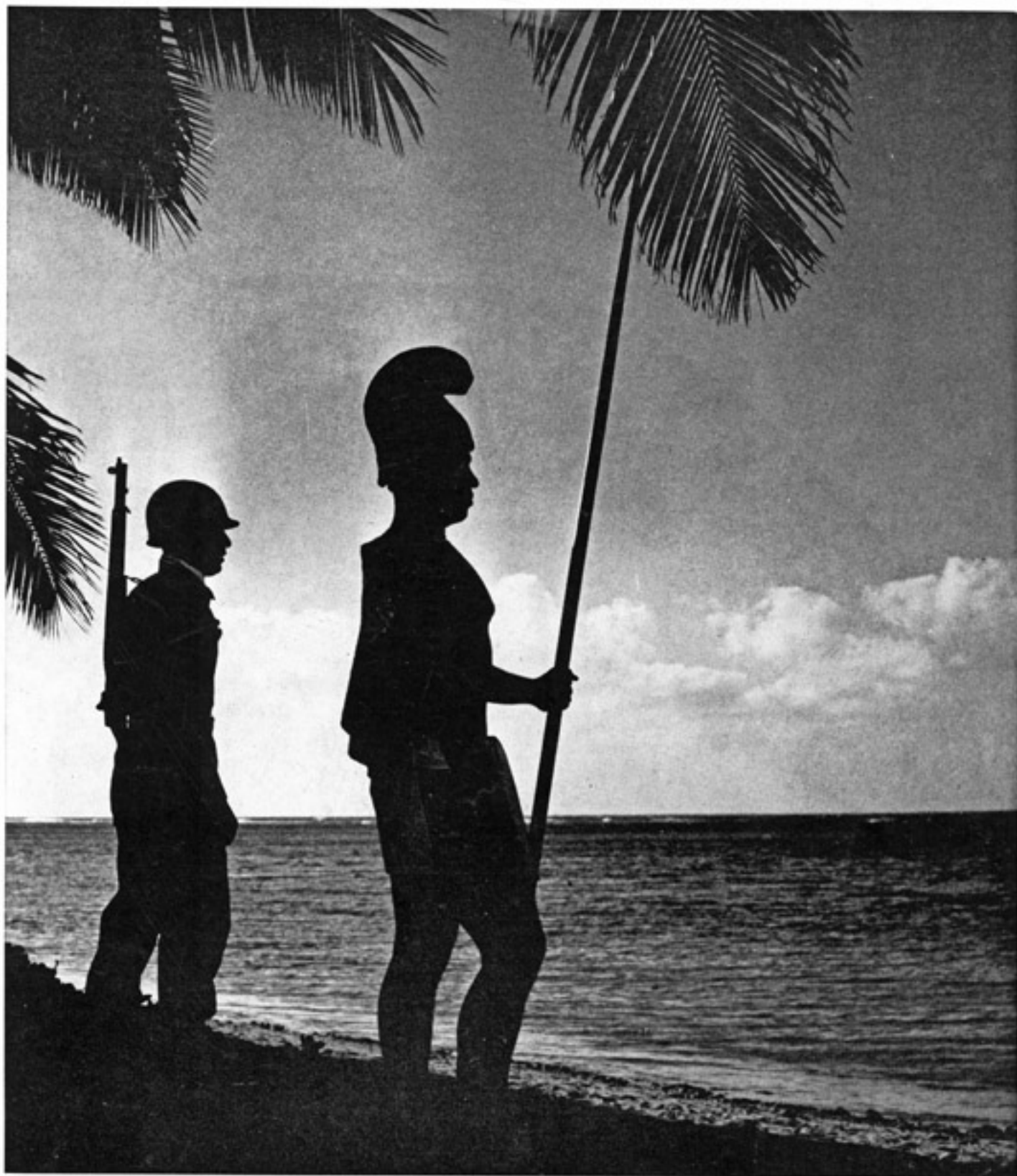
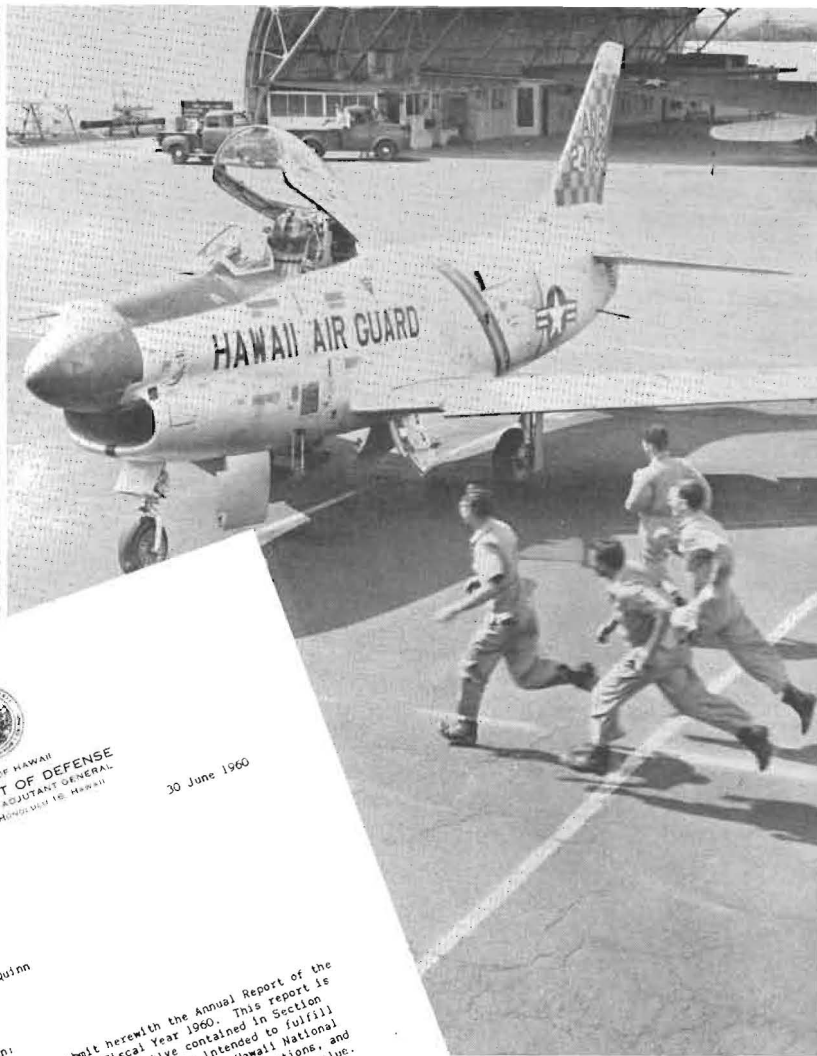


Annual Report

**ADJUTANT GENERAL OF HAWAII
FISCAL YEAR 1960**





STATE OF HAWAII
DEPARTMENT OF DEFENSE
OFFICE OF THE ADJUTANT GENERAL
FORT RUCKER, HONOLULU 148, HAWAII

30 June 1960

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 1960. 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. K. Makinney

F. K. MAKINNEY
Major General, HAWAII
Adjutant General

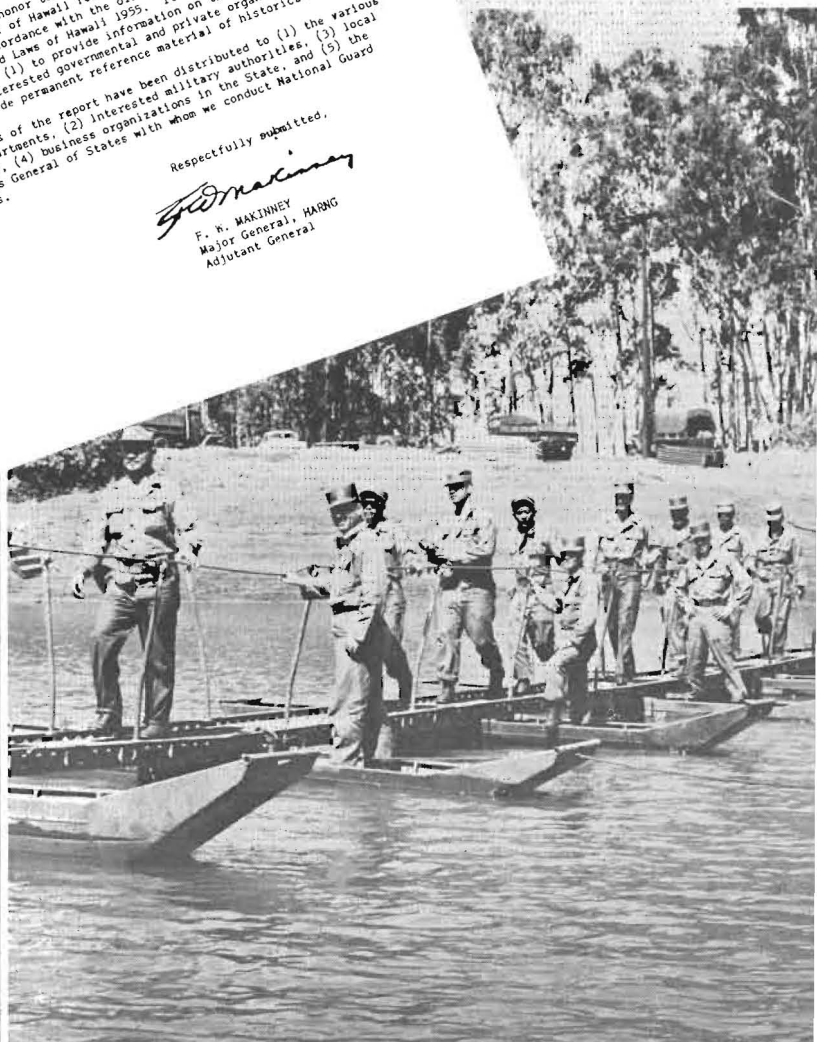
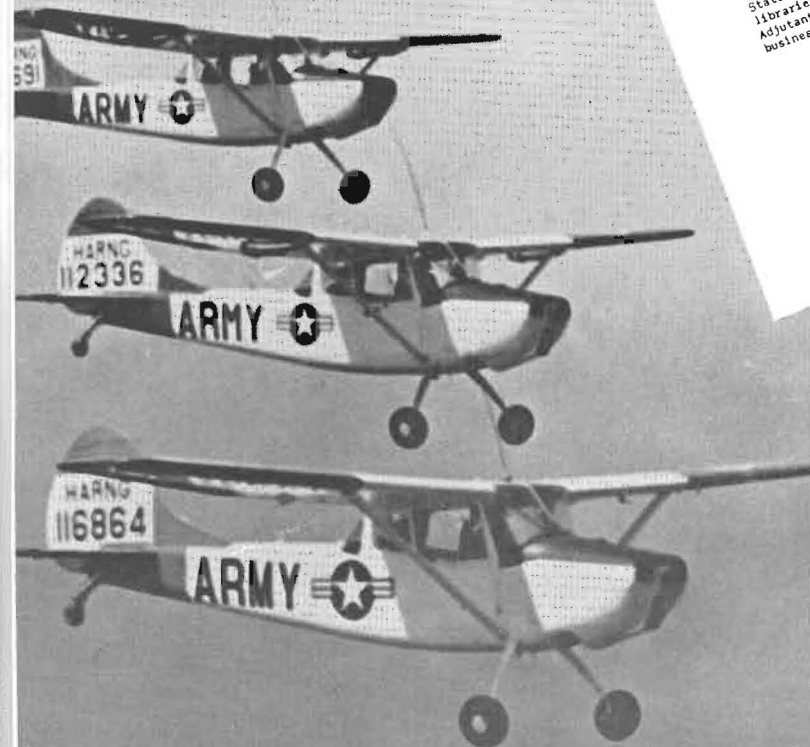
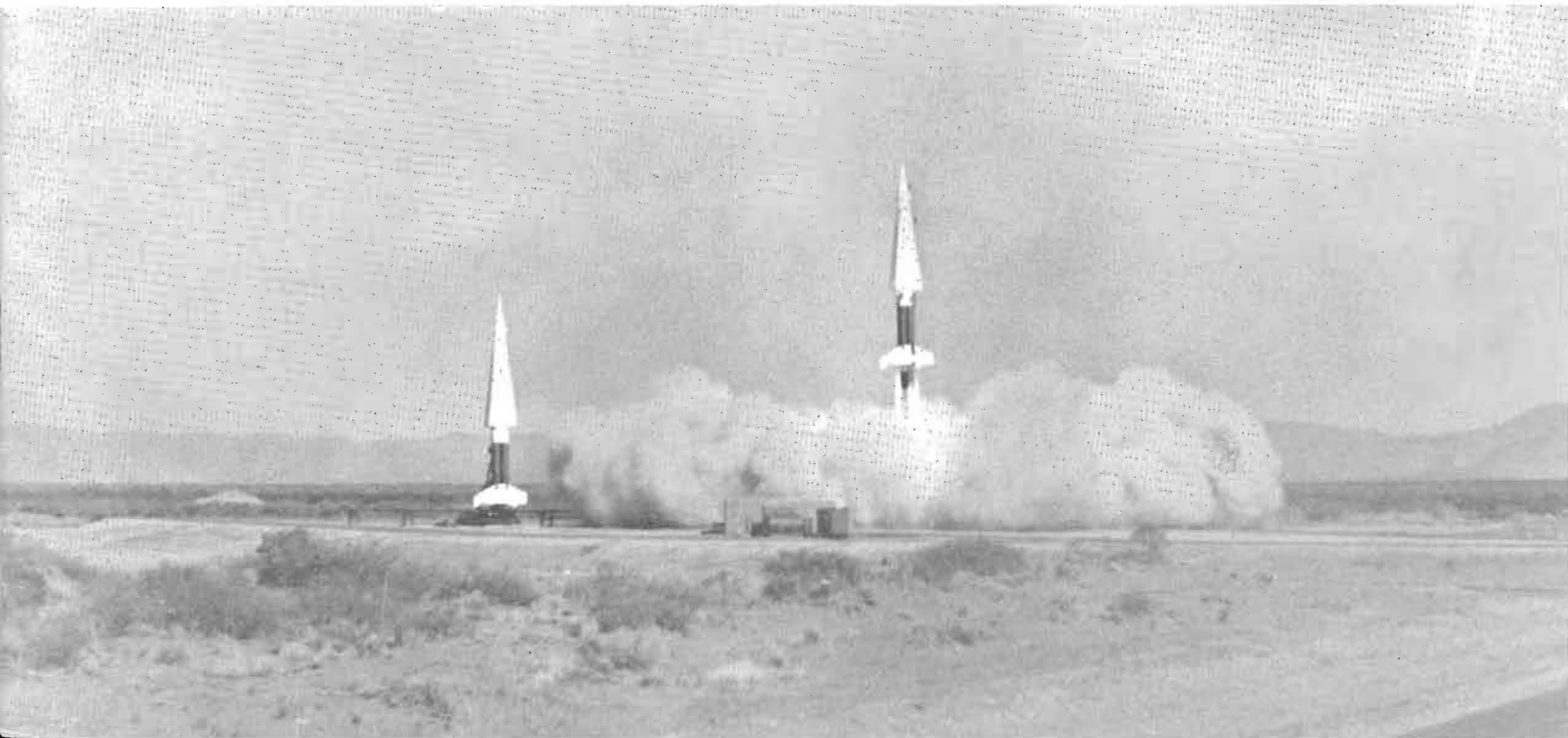


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This cover photo, taken in the early evening by Mr. Herbert Smith of Portraits-Hawaii, tells the history of our heritage. Soldier is 2nd Lt. Ralph Faufata and the warrior is 1st Lt. Ed Hara, both of the 120th Military Police company.

NIKE-Hercules missiles fired by Hawaii National Guardsmen at McGregor Range, New Mexico.





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



Major General F. W. Makinney
Adjutant General of Hawaii



Brigadier General Frederick A. Schaefer III
Asst. Adjutant General (Army)



Brigadier General Valentine A. Siefermann
Asst. Adjutant General (Air)

PRINCIPAL ARMY NATIONAL GUARD COMMANDERS



Col. Clyde W. Woods
1st BG, 299th Inf.



Brig. Gen. Michael R. Roman
29th Infantry Brigade



Lt. Col. George S. McEldowney
2nd BG, 299th Inf.



Lt. Col. Louis D. Hinton
227th Engr. Bn.



Col. John M. Becker
298th AAA Group

PRINCIPAL AIR NATIONAL GUARD COMMANDERS



Lt. Col. Walter F. Judd
199th SUPP Sq



Lt. Col. Robert G. O'Hara
109th AC & W Sq



Maj. George R. Duncan
199th Ftr Intep Sq



Maj. Paul Goya
169th AC & W Sq

A REPORT ON THE HAWAII NATIONAL GUARD *Army and Air*

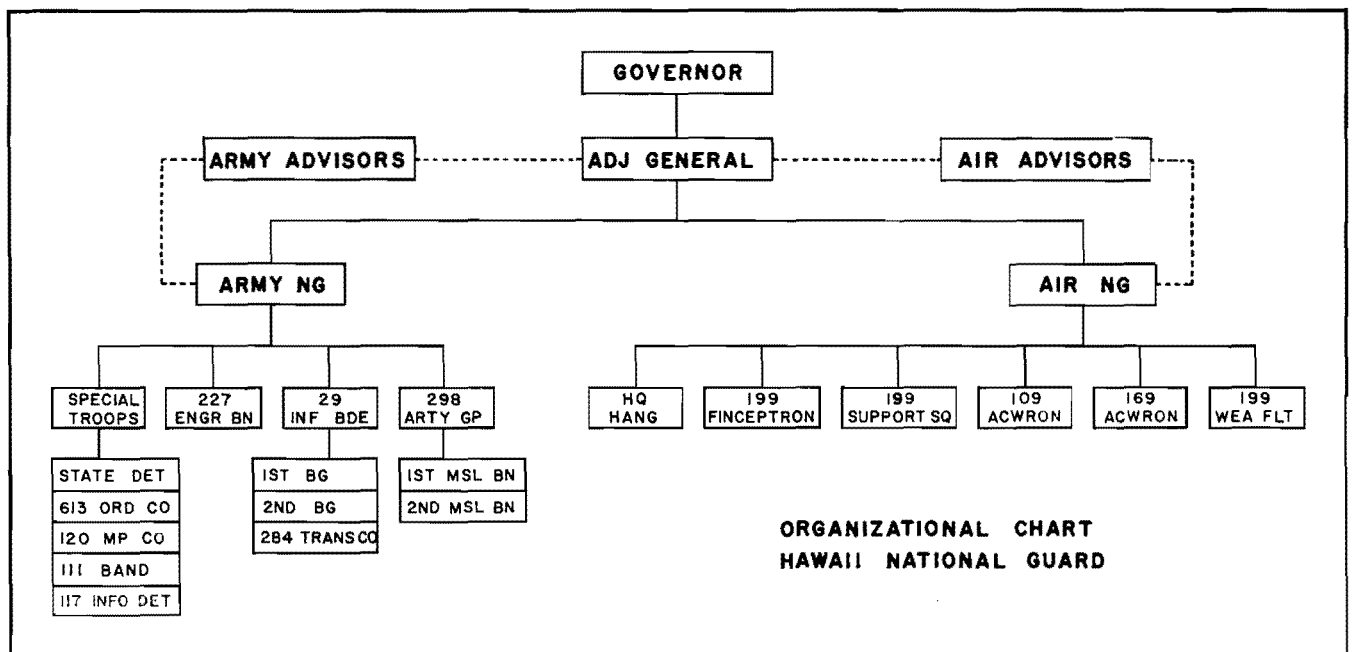
ORGANIZATION AND MISSION

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.

Mission: The mission of the Hawaii National Guard remained unchanged during Fiscal Year 1960. 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:

- (1) Defend critical areas of the United States against land, seaborne or airborne invasion.
- (2) Assist in covering the mobilization and concentration of the remainder of the reserve forces.
- (3) Participate by units in all types of operations, including the offensive, in either the United States or overseas.

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 when called into the active service of the State. 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.





ARMY NATIONAL GUARD



Strength: On 30 June 1960 there were 3840 officers, warrant officers, and enlisted men in the active Army National Guard—a decrease of 93 individuals from the strength at the end of the previous fiscal year. The strength of 3840 represents 93% of the maximum authorized strength (4130) of all active units of the Hawaii Army National Guard. See Plates I and II for the Roster of Principal Commanders and Staff Officers, and Station List.

Officer Personnel: There were 277 officers in the Army Guard at the end of the fiscal year—a decrease of 1 officer from the strength at the end of the previous year. During the fiscal year, there was a total gain of 23 officers and a total loss of 24 officers from the active Army National Guard. During this period 21 new appointments were effected and 2 officers were transferred to the active Guard from the inactive National Guard. Of the 21 new appointments, 17 appointments were made from officers of the United States Army Reserve. See Plates III, IV and V for Officer Gains and Losses, Source of Officer Appointments, and Officer Separations, respectively.

Warrant Officer Personnel: There were 40 warrant officers in the Army National Guard as of 30 June 1960—a decrease of 2 individuals over the strength at the end of the previous fiscal year. There was a total gain of 5 individuals and a total loss of 7 individuals during the fiscal year. See Plate VI for Warrant Officer Gains and Losses.

Enlisted Personnel: There were 3523 enlisted men in the active Army National Guard as of 30 June 1960—a decrease of 90 men from the strength at the end of the previous year. During the fiscal year, there were 487 new enlistments and reenlistments with a break in National Guard service and 35 individuals transferred to the active Guard from the inactive National Guard. During this same period 552 men were discharged and 60 individuals were transferred to the inactive Guard. Of the 910 men discharged for expiration of term of enlistment, 731 were immediately reenlisted without a break in service for an overall reenlistment rate of 80%. See Plates VII, VIII, IX, and X for Enlisted Personnel Gains and Losses, Source of Enlistments, Separations, and Reenlistments, respectively.

1. Organization: The organization of the Hawaii ARNG remained essentially unchanged. One unit, the 117th Public Information Detachment was added to Hawaii's troop allotment and was federally recognized on 1 May 1960. Another unit, Hq & Hq Btry, 298th AAA Gp was redesignated Hq & Hq Btry, 298th Arty Gp (Air Defense) effective 1 June 1960.

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

3. 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, nearly all units of the Hawaii ARNG scheduled a minimum of six (6) eight (8) hour Sunday drills. \$17,723.98 of federal funds were

utilized to support HARNG units for subsistence. Further, \$1,519.67 was expended for staff training materials and \$729.86 for training aids.

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

4. Field Training: For all, except the 298th Arty Gp (AD), annual field training was conducted during the period 11-25 June 1960 as follows:

Organization	Location
Special Troops	Schofield Barracks
227th Engr Bn (Inf Div)	Kahuku
29th Inf Bde	Schofield Barracks & Kahuku

a. The 29th Infantry Brigade stressed training at the rifle platoon level. All rifle platoons successfully completed platoon tests during the period. The next level of testing will be at the company level. Numerous schools and demonstrations were conducted for the Brigade by the 25th Inf Div. Some of these were: Radiological Monitoring & Survey, a special NCO Academy Course of two weeks duration, 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.

b. The 298th Arty Group (Air Defense) will train primarily at its Sand Island and East Range Nike-Hercules training sites during August 1960 utilizing Nike-Hercules equipment. Training stressed battery drills to include Operational Readiness Inspection, tracking missions, and Air Defense Exercises to increase the speed and proficiency of teams to ready themselves for any firing mission. This organization is 90% complete in qualifying each officer and enlisted men as a basic missileman. This training is additional and is conducted primarily during the individual's own time so as not to interrupt the unit's training program. Each member is required to be cross trained in three related tactical positions to add depth in all critical positions in the 298th Arty Group.

c. The 227th Engr Bn (Inf Div) was employed as a direct support organization to the 1st and 2nd Battle Groups of the 299th Inf. Major support included the repair and maintenance of approximately twelve (12) miles of roads in the Kahuku Training Area, presentations of instructions on the "rifle company in defense" with concentration on demolitions, mines, barbed wire, and field fortifications. This unit conducted a special demonstration for all HARNG troops on the Claymore Mine, the Army's newest and most lethal anti-personnel mine. Special projects included the rehabilitation of an emergency airstrip and the construction of a cross-strip thereon at Waialea and the construction of a Class 60 ton bridge at East Range, Oahu. This bridge which can support the heaviest known tank will diminish the travel time previously required of heavy vehicles to enter this area.

d. Special Troop units provided normal support operations and training.

5. **Inspections:** The Annual General Inspections were conducted during the months of September through November 1959. 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 conducted the field training inspections to determine the proficiency of the 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 methods of instruction, unit training, command supervision, and staff performance.

Ratings earned by units during FY 60 are shown below:

	ARMORY INSPECTIONS				FIELD TRAINING INSPECTIONS			
	FY 59		FY 60		FY 59		FY 60 (less 298th Arty Gp)	
	Nr Units	%	Nr Units	%	Nr Units	%	Nr Units	%
Sup	33	54%	15	43%	10	26%	9	40%
Ex	27	44%	17	49%	25	64%	14	60%
VS	0	0	0	0	4	10%	0	0
Sat	1	2%	3	8%	0	0	0	0
U	0	0	0	0	0	0	0	0

6. **Operation Alert 1960:** The Hawaii National Guard participated in this National Civil Defense Exercise at the State level during the period 3-5 May 1960. The State Staff provided Liaison Officers, the internal security detachment provided security at Civil Defense operations center and fed all participants during the exercise.

7. **Kapoho Disaster:** Personnel from the 2d Battle Group, 299th Inf supported Civil Defense officials during the volcanic eruption at Kapoho, Hawaii which began on 13 January 1960 and lasted for 33 days. Support by the HNG included 100 cots, 400 blankets, buses and trucks to assist in evacuation of civilians and property, vehicular radio communications, an aircraft for constant aerial observation and two twin engined aircrafts to ferry Federal and State officials to the disaster area. 704 man days were expended by Guardsmen on State active duty in this disaster.

8. **Hilo Disaster:** Another disaster by a huge seismic wave which killed 57 persons, struck Hawaii at Hilo on 23 May 1960. This wave was triggered by an Earthquake in Chile. Personnel from the 2nd Battle Group, 299th Inf responded rapidly and assisted by providing vehicular radio communications, guards to prevent looting, personnel to direct traffic and man road blocks. Guardsmen also assisted in the collection of victims and the evacuation of civilians and their personal property. Aerial support included aircrafts to shuttle government officials to and from the disaster areas. Approximately 981 man days were expended by Guardsmen on State active duty to assist in this disaster.

9. **Army Area and Service Schools:** During FY 60 435 officers and enlisted men attended Mainland and USARHAW Schools at a cost to the Federal Government of \$525,370.35, an increase of \$209,613.13 over last year's expenditure of \$315,757.22. This increase is primarily due to lengthy missile courses and other

ACDUTRA for personnel of the 298th Arty Group (Air Defense). The breakdown by school and course is attached. (See inclosure #1.)

10. **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 228 officers and enlisted men actively pursued these courses during the year. (See inclosure #2.)

11. **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 seventy-four (374) entered this training during the year as follows:

Aug	63
Oct	43
Jan	22
Mar	32
May	26
Jun	188
Total	374

12. **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 32 NG teams in the National Trophy Team Match. In the individual awards Lt Col Johnson was selected the National Guard National Champion and Capt George Roberts was placed on the All National Guard Honorary Team.

Members of the rifle team, coached by CWO Ralph Apo, won the coveted Hilton Trophy in the National Trophy Team Match for the second consecutive year by placing first in a field of 48 National Guard State Rifle Teams. For the individual awards, CWO Ralph Apo and SP4 Myles Brown were selected as coach and member respectively, of the All National Guard Rifle Team. SP4 Brown and SP5 Thomas Ortogero placed in the leg winning class. SP4 Tom Oda was chosen as one of the top 100 shooters (out of 2,274 riflemen at Camp Perry) in "The President's Match," and thus becomes a member of the exclusive "President's One Hundred."

The Hawaii National Guard sponsored the 11th All Service Rifle Tournament in July 1959 at Hilo and the 19th Hawaii Law Enforcement Pistol Tournament in September 1959 at the Diamond Head Range. A total of 124 and 134 competitors respectively competed.

The most competitive local pistol tournament, the Hawaii Pacific Regional, was conducted at Fort Ruger during the period 29-30 April and 1 May 1960 by the Hawaii National Guard. A total of 201 competitors participated representing all the Active and Reserve Forces, civilian gun clubs, and many law enforcement agencies.

Announcement received from the Chief, National Guard Bureau advised that the 120th MP Co won the National first place team and high individual honors (1st Lt Edmund Hara) in the Military Police Association National Guard Pistol Tournament for FY 1960.

The 613th Ord Co (DS) was declared the Sixth Army Area Winner and National Winner for the highly competitive NRA Smallbore Championship Match for FY 1960. This match is annually conducted by the Chief, NGB at the Army Area and National level. This is a significant triumph for this unit as it has placed up to 2nd place nationally for the past several years.

In addition to the above, the HNG sponsors and conducts HNG unit team small arms competition. The following were held during FY 1960:

a. Unit M-1 .30 Caliber Rifle Team Championship: This was conducted on 13 December 1959 at the Kuliouou Rifle Range and was won by the 613th Ord Co (DS). Five (5) teams were selected to compete at the State level to represent their battle groups or battalions.

b. The NRA Indoor Smallbore Championship was held on 5 March 1960. A total of ten (10) teams participated in the State Championship with the 613th Ord Co (DS) emerging as the winning team with a score of 1411.

c. The HNG Unit Team Pistol Championship was conducted on 18 June 1960 and won by the 613th Ord Co (DS). Six (6) teams participated.

13. **Sports:** The HNG had another successful year in organized sports activities. The morale and esprit de corps of the units participating was maintained throughout the sports program. Elimination tournaments were conducted by major organizations and island commands in each sport. The winners were then assembled to determine the State Champions.

Softball: Kauai was the host for this year's play-

offs. Btry A, 1st Msl Bn 298th Arty retained the championship by winning 3 of the 4 scheduled games on 26-27 September 1959 at the Hanapepe County Park.

Basketball: The basketball championship was conducted on 4-6 December 1959 at Wailuku, Maui. Hq & Hq Co, 2d BG 299th Inf was victorious and is this year's champion.

Volleyball: Hq & Hq Btry, 1st Msl Bn 298th Arty won the volleyball championship which was held on the island of Kauai on 7 May 1960.

Golf: This year's golf championship was played at the Waiehu Golf Club in Wailuku, Maui on 9-10 April 1960. 298th Arty Gp's "B" Team took the honors and was crowned champions.

Baseball: The HNG baseball team participated in the Honolulu Winter Baseball league.

14. Other distinguished Awards:

Eisenhower Trophy—Won by Hq & Hq Btry, 2d Msl Bn 298th Arty as the most outstanding company size unit of the HARNG for the calendar year 1959 with a composite score of 95.2%. Areas of consideration were strength, attendance, field training evaluation, and Annual General Inspections.

CG, USARHAW Trophy—Awarded annually to the outstanding company or battery size unit of the HNG as determined by the Annual General Inspection Evaluations. This year's winner was Btry C, 1st Msl Bn 298th Arty, HARNG. This award was made for the period 1 July 1959 to 30 June 1960.

The Pershing Trophy—Won by 120th MP Co by virtue of having attained the highest figure of merit (96.8%) in weapons qualification from all units of the Sixth Army Area during 1959.

Following the May Tidal Wave Disaster in Hilo, Hawaii, Guardsmen aided the injured, picked up the dead and assisted the Hilo police with looter patrols.



During the Kapoho eruption Guardsmen worked closely with Civil Defense and Volcanologists in keeping tabs on the raging volcano. Guardsmen greatly assisted the residents of Kapoho.





AIR NATIONAL GUARD



Mobilization Assignment: The National Guard Bureau (NGB) announced mobilization assignments of the 199th Fighter Interceptor Squadron, 199th Support Squadron, 109th and 169th Aircraft Control and Warning Squadrons to Pacific Air Forces and of the 199th Weather Flight (Forecasting and Observing) to Military Air Transport Service, remained unchanged.

Inspections: Of a possible rating of Satisfactory or Unsatisfactory the Hawaii Air National Guard (HANG) units were rated Satisfactory in all inspections conducted during Fiscal Year 1960. All units of the HANG were rated combat ready by the PACAF Inspector General's Office. This means the Hawaii Air National Guard is immediately ready to accomplish its Mobilization Day mission of Air Defense of Hawaii.

Air Force Advisers: The USAF Adviser Unit assigned to HANG is based at Hickam Air Force Base, Oahu. The unit is headed by Colonel Jack D. Blanchard, assisted by Lt Col William Kral, Adviser to the ACW Squadrons, and four AF technical advisers.

Organization: During the year, several organizational changes were authorized by the NGB affecting HANG units. Effective 1 October 1959, Headquarters HANG was reorganized with a resultant strength of 12 officers and 10 airmen; however, effective 15 February 1960, this unit was further reorganized to provide for the military position of Assistant Adjutant General, Air NG, in the grade of Brigadier General. Effective 1 February 1960, the 199th Support Squadron was activated with an authorized strength of 13 officers, four warrant officers and 272 airmen. The nucleus of this new squadron came from the personnel previously augmented to the 199th Fighter Interceptor Squadron.

Concurrent with the activation of the Support Squadron, effective 1 February 1960, the 199th Fighter Interceptor Squadron, 109th and 169th Aircraft Control and Warning Squadrons were reorganized with the resultant strength of 40 officers and 262 airmen for the Fighter Interceptor Squadron, 35 officers and 266 airmen for the 109th Aircraft Control and Warning Squadron and 35 officers and 265 airmen for the 169th Aircraft Control and Warning Squadron. Both Aircraft Control and Warning Squadrons were subsequently reorganized effective 16 May 1960 with the resultant strength of each unit of 36 officers and 264 airmen. The authorized strength of all HANG units is 141 officers, five warrant officers and 1084 airmen, for an aggregate of 1,230.

Effective 1 June 1960, 32 Master Sergeants E-7 spaces were converted to the super grades; 10 to Chief Master Sergeants E-9 spaces and 22 to Senior Master Sergeants E-8 spaces.

OPERATIONS AND TRAINING

Training: Unit training continued based on the needs of each section. One weekend a month all-day assemblies for HANG units remained unchanged. The average drill attendance for the year ended 30 June 1960 was 94.6%—a decrease of 1.6% from the attendance average at the end of the previous fiscal year. During the reporting period, three Air Defense

system training exercises were conducted under the supervision of Headquarters, Hawaiian Air Defense Division (HADD). These exercises are an excellent vehicle for determining improved procedures and areas which need improvement. The results were encouraging and immediate corrective action was taken to remedy problem areas noted.

Field Training: HANG units conducted their annual field training with 98% of the assigned personnel in attendance. The period of the encampment was 11 through 25 June 1960. Again, in conjunction with field training, the Pacific Air Forces conducted a Readiness Inspection of HADD and HANG units. It is noteworthy to report that the 199th FI Squadron, 109th and 169th ACW Squadrons were rated fully operationally ready and considered capable of accomplishing their assigned operational mission. All units performed in an excellent manner during the readiness inspection and the encampment.

Service Schools: During the fiscal year, 86 officers and airmen attended mainland USAF technical schools. In addition, 80 airmen completed the USAF basic military training course, and 14 officers and 171 airmen submitted applications for enrollment in the USAF ECI extension courses. The following statistics reflect the service school and Basic Military Training attendance:

	Service School	Basic Military Training
199th Fighter Interceptor Squadron/ 199th Support Squadron.....	56	65
109th Aircraft Control and Warning Squadron	15	8
169th Aircraft Control and Warning Squadron	13	7
199th Weather Flight.....	2	0
	86	80

Plate XII reflects the attendance at mainland USAF technical schools by courses and locations.

ACTIVITIES

Fighter: Continued emphasis was placed on operational missions designed for combat proficiency. As a result of this and other realistic training the 199th FI Squadron was awarded the National Guard Association trophy as the most Operational Ready in a specific type of aircraft for the year. Additional proof of the quality of this training is the result of the PACAF Operational Readiness Inspection. The Hawaii Air National Guard met and/or bettered PACAF criteria and performed in a manner comparable to the best active duty air defense units. It is worthy of note that this inspection is exactly the same type as conducted with active duty Air Force units.

The 199th Fighter Interceptor Squadron is scheduled to receive F-102 Delta Dagger supersonic interceptors in December 1960 to replace the older slower F-86L's. The Hawaii Air National Guard has been involved in much detailed planning with PACAF and the National Guard Bureau to insure a smooth and orderly conversion to newer aircraft.

PERSONNEL AND ADMINISTRATION

Strength: On 30 June 1960 there were 899 officers, warrant officers and enlisted personnel in the HANG—a decrease of 14 individuals from the strength at the end of the previous fiscal year. This fiscal year-end total represents 73.1% of the authorized strength for HANG. Plates I and II reflect the Station List and Unit Strengths and Principal Commanders and Staff Officers.

Officer Personnel: There were 109 officers assigned as of 30 June 1960—an increase of four officers from the strength at the end of the previous fiscal year. There was a total gain of 29 officers and a total of 25 officers. During the report period, 12 new appointments were effected, of the 12 appointments, two were made from direct appointment and two from the special appointment program. Plates III, IV and V reflect Officer Gains and Losses, Source of Officer Appointments and Officer Losses, respectively.

Warrant Officer Personnel: There were two warrant officers assigned as of 30 June 1960—a decrease of three warrant officers from the strength at the end of the previous fiscal year. Of the three losses, two warrant officers accepted commissioned officer appointments in the HANG under the special appointment program. Plate V reflects the Warrant Officer Gains and Losses.

Enlisted Personnel: There were 788 airmen in the HANG as of 30 June 1960—a decrease of 15 airmen from the strength at the end of the previous fiscal year. During the fiscal year there was a total gain of 591 airmen and a total loss of 606 airmen. During the report period, 332 enlistments and reenlistments were effected and 346 airmen were discharged. Of the total number discharged, 227 were discharged for expiration of term of enlistment, and of this number 202 reenlisted without a break in service, for an overall reenlistment rate of 89%. Also, eight airmen extended their enlistment period for one year. Plates VIII, X and XI reflect Enlisted Personnel Gains and Losses, Enlisted Personnel Discharges, and Reenlistment Rate, respectively.

The 199th FI Squadron enjoyed an accident free flying year and maintained the air defense alert on a 24-hour day basis throughout the report period. A total of 5,401 jet hours were flown during the fiscal year, a decrease of 1,180 jet hours over the previous year's total of 6,581 jet hours. The average jet flying time per tactical pilot was 180:00 hours which compares favorably with like Air Force squadrons (the minimum flying hours required to maintain flying proficiency is 100 hours per year).

Aircraft Control and Warning: The participation of the 109th and 169th ACW Squadrons in the air defense augmentation program on a 24-hour day basis remained unchanged. The following statistics reflect the performance of the stations during fiscal year 1960:

	109th ACW SQ	169th ACW SQ
Total number of tracks.....	34,679	21,039
Total intercepts (Actual and Training)	3,658	3,087
Total intercepts (Unknown).....	17	39
Total emergency assists.....	4	4
Total navigational assists.....	139	30

As previously noted, both AC&W Squadrons met and/or bettered criteria established by PACAF during the Operational Readiness Inspection. The limiting factor for both radar stations is their location. This will be alleviated in the future when both squadrons move to their new sites at Kokee, Kauai, and Haleakala, Maui, respectively.

Excellent cooperation has been provided the ACW Squadrons by Western Mobile Depot Activity SMAMA and the General Electric Company on communications and electronics support. Minimum delay was encountered when emergency assistance was requested. Support by PACAFBASECOM on installations activities at Punamano was lacking. The access road maintenance, security fencing, and painting of buildings are the principal maintenance projects not accomplished. It is anticipated that these projects will be attended to by the Hickam AIO. The 169th ACW and the 109th ACW Squadrons continued to experience low unscheduled maintenance time for the search radar set AN/FPS-8 due to excellent maintenance by the unit radar technicians. However, the 169th ACW Squadron experienced difficulties with the height finder set AN/FPS-68 caused by failure of the ball bearings on the variable nod system.

The topographical feature and geographical location of Koko Crater does not provide optimum siting of radar for air defense purpose, and moreover, the amount of usable area atop the hill precludes the installation of a more complex, larger and more powerful radar. Therefore, Haleakala, Maui, was selected by the Air Force as one of two sites that will provide the best coverage with a minimum of cost.

Weather: The support received from Headquarters 1st Weather Wing and Detachment 4, 1st Weather Wing, continued unchanged and was of the highest caliber. The Weather Flight with no full time personnel continued to demonstrate that a reserve unit can provide significant weather support to the fighter squadron and any other related units as directed, and members of this unit could replace or supplement the assigned staff of Detachment 4, 1st Weather Wing, upon very short notice if requested. The overall performance of the flight during field training was superior and highly successful.

MATERIEL

Supply: The logistical support furnished by HANG Base Supply to HANG units showed a marked improvement over previous years. The timely submission of replenishment requisitions for spares and the frequent screening of stock levels by supply personnel were responsible for decreasing the average monthly Aircraft Out of Commission for Parts (AOCP) rate from 5.7% to 3%. There were 25,293 documents processed through the base supply system during this period as compared to 35,943 for last year. These transactions consisted of 14,371 with the 199th FI Squadron, 1,946 with the 169th ACW Squadron, 1,722 with the 109th ACW Squadron, and 7,254 for off base shipments and receipts. The decrease in total number of transactions indicates that base levels were improved due to accurate stock level computation and timely submission of replenishment requisitions, resulting in a greater percentage of unit requests being filled and a lesser percentage backordered thereby

reducing the number of priority requisitions submitted to the prime depots. HANG base supply activities were rated satisfactory on all audits and inspections during the year and it is noteworthy to mention that the supply function was performed in a highly satisfactory manner.

The emergency expediting procedures initiated with the 199th FI Squadron during the latter part of FY 1959 for immediately required AOCP items which would place the required item in the possession of the aircraft mechanic within 5 minutes, was further improved and reduced to 3 minutes during this year. As a matter of information, the Air Force criteria for base supply expediting emergency supplies is 30 minutes.

Base supply activities are in the process of re-warehousing all supplies to provide space for the 12,500 line item spare parts to support the F102-A aircraft. Receipt of the first complement of these spare parts is anticipated on or about 1 October 1960 at a rate of 300 items per day. In this regard, separate warehousing and stock control records will be maintained under the weapon system supply concept of Vol XX, AFM 67-1.

The Cash Producing Unit processed 851 petty cash purchases with local vendors for a total expenditures of \$20,871.23; made 704 purchases at the Hickam AFB Local Purchase stores for a total expenditure of \$17,775.94, and submitted 214 purchase requests to USP&FO for Hawaii for a total expenditure of \$42,179.09.

Aircraft Maintenance: The aircraft maintenance section of the HANG units at Hickam AFB once again established "Pass the PACAF Readiness Inspection" as their mission assignment for the fiscal year. Continued training emphasis on maintenance personnel was required to keep them at their peak of efficiency to overcome losses of key personnel. At the beginning of the fiscal year, the section was faced with the problem of zero-lifting all F86L aircraft so that the rockets would hit the target. This program was accomplished after much time and effort were expended with the coordinated flying assistance of the operations section.

During March 1960, the section received the ground communication equipment required to implement the Maintenance/Workload Control Section in accordance with provisions of AFM 66-1, utilizing a mobile control expeditor truck which increased the efficiency of this section. Radio equipment was also acquired to set up direct communications with all HANG assigned aircraft. Each aircraft returning from a mission is now able to report their aircraft status to the maintenance control section and upon receipt of this information, maintenance personnel expedite the aircraft turnaround time thereby increasing this activity's efficiency.

Also during March 1960, a tactical evaluation inspection of the section was conducted by the Western Air Defense Force (ADC) Tactical Evaluation Inspection Team. The results attained were excellent and the maintenance section was commended by the Team. With the approach of field training and the readiness inspection, procedures and maintenance standards were reviewed and changes as necessary to maintain the high efficiency peak of the section. Dur-

ing the readiness inspection, the average aircraft operationally readiness rate attained was 82% and the average aircraft turnaround time was 12 minutes, both of which are well above PACAF criteria. Also, 215 sorties were launched for a total of 187:15 hours. It is to be noted that in the rocketry phase, last year's results were exceeded by shooting off five out of the eight Delmar rockets launched and the actual firing of 26 out of the 27 F-86L aircraft assigned. The training and maintenance programs were successful and goals established were achieved.

Facilities: HANG construction program was the major highpoint of the year. The contract for the new two million dollar 199th FI Squadron facility at Fort Kamehameha, Oahu was let in May 1960, with an estimated completion date of July 1961. The long awaited facility will provide for the administrative, maintenance and operational functions of the fighter interceptor squadron and related units. This project was contracted by the US Army District Engineers at Fort Armstrong and awarded to McKee and Nordie Contractors.

The construction program at Punamano was accelerated with the removal and reconstruction of a Butler-type supply warehouse from Sand Island to Punamano. Four new tent frames and an extension to the latrine were also completed. The complete evacuation from Sand Island of the 109th ACW Squadron was accomplished during February 1960, with the training, supply and transportation sections moving to Building T-6 in the Fort Kam area on a joint occupancy agreement with the Hickam based HANG units. Subsequently, the training section has moved to Punamano with supply and transportation remaining at Fort Kam until all the facilities at Punamano are completed and all materiel for Kokee have been processed and shipped to Kauai. Future construction plans programmed for fiscal year 1961 for Punamano include a motor pool and the extension and rehabilitation of the messhall.

Construction at the Kokee, Kauai ACW facility started in June 1960, contracted by the department's Contracting & Engineering Officer and awarded to A. C. Chock Ltd. Work is expected to be completed by the end of calendar year 1960.

Plans for the development of the Haleakala, Maui site are experiencing delays in the land acquisition problem and until this problem is resolved, definite planning during the report period has been curtailed. It is anticipated that during the next fiscal year, planning activities will be resumed and positive actions taken to begin construction thereat.

COMPTROLLER

The HANG Comptroller's Office is located at Hickam AFB and is responsible for the ANG Integrated Accounting System, consisting of appropriation, expense, inventory, equipment, aircraft, real property and civilian payroll accounting. During the fiscal year, IBM punched card reporting to the National Guard Bureau was initiated. Audit and inspections during the year revealed no discrepancies and it is noteworthy to mention that the accounting function was performed in a highly satisfactory manner.

The Air Force Finance Officer at Hickam AFB supported this activity in making payments for HANG

obligations. Also, the USPFO for Hawaii at Fort Ruger supported the HANG as Contracting Officer and suballotted funds to the HANG Comptroller Office.

In fiscal year 1960, the net investment increased \$940,320.34, which is a 3.8% increase from last year. The total federal funds expended for the HANG increased from \$5,230,148.80 in FY 1959 to \$6,802,755.61 in FY 1960, or \$1,572,606.81 (30%) increase. Plate XV reflects ANG Federal Funds Expended.

HANG Balance Sheet: The following factors are noted as pertains the balances shown below and occurring during the report period. Equipment in Use increased \$1,011,281.30 due to the receipt of equipment for the operation of another radar station. Since the aircraft conversion from F86E to F86L was completed, the aircraft inventory account was reduced by \$1,545,649.99. The Land account was reduced by \$482,078.00 because the Air Force changed their valuation method to original cost. Buildings and Improvements resulted in a net decrease of \$177,137.09 due primarily to reevaluation by the Air Force. The increase in the Construction in Progress account represents the cost of two new stations, Hickam FI Squadron facility and Kokee radar station.

Guardsmen of the 109th Aircraft Control and Warning Squadron test maze of electronic equipment at Kahuku site. This radar site is in operation 24-hours and plays an important part in the active air defense of Hawaii.



HANG Balance Sheet—30 June 1960

Assets

Current Assets:	
Cash.....	\$ 610,738.83
Accounts Receivable.....	1,076.74
Inventories.....	1,759,737.64
Total Current Assets.....	\$ 2,371,553.21
Fixed Assets:	
Equipment in Use.....	\$ 4,221,562.73
Aircraft.....	16,068,397.00
Land and Land Improvements.....	7,470.00
Pavements and Runways.....	268,645.57
Buildings and Structures.....	1,140,645.42
Construction in Progress.....	2,169,036.00
Total Fixed Assets.....	\$23,875,756.72
Total Assets.....	\$26,247,309.93

Liabilities, Reserve and Net Investment

Current Liabilities:	
Accounts Payable.....	\$ 39,689.14
Accrued Liabilities.....	533,393.27
Total Current Liabilities.....	\$ 573,082.41
Reserve for Undelivered Orders Outstanding.....	27,817.59
Net Investment.....	25,646,409.93
Total Liabilities, Reserve and Net Investment.....	\$26,247,309.93

Air Guardsmen of the 199th Fighter Interceptor Squadron load 24 rockets into F-86-L jet at Hickam Air Force Base. HANG Pilots stand 24-hour runway alert, providing Hawaii with excellent Air Defense.



CONSTRUCTION-LOGISTICS-SUPPORT

CONSTRUCTION

The Contracting and Engineering Section is charged with the responsibility for all major construction, minor construction and repairs, maintenance and upkeep of all buildings, grounds, roads, utility systems and drainage structures for all facilities under the control of the Department of Defense. The Section is also custodian of all real property under the jurisdiction of the Department of Defense located on the five major islands and comprising a total of approximately 1,500 acres of land and 1,500,000 square feet of building area.

Specifically the Section conducts investigations leading to the initiation of engineering projects, plans, programs, prepares justification data for, and budgets for all engineer and construction work of the Department. Prepares contract drawings, specifications, and other contract documents and project estimates, and coordinates and directs inspection services in the field. The Section is responsible for and directs the planning, budgeting and programming of overall work schedules for maintenance, repairs and improvements to all buildings, structures, utility systems and plants, roads, grounds, and surface drainage systems.

During Fiscal Year 1960 the Armory Construction Program took a tremendous surge, and three (3) major projects were initiated or under construction during this period. In July 1959, Nakakura Construction Company was awarded a contract for construction of a new armory at Fort Ruger. Total amount of the contract was \$517,000, of which the Federal Government contributed \$280,000 and the State \$237,000. S. K. Oda, Limited of Hilo was awarded in May 1960 a contract for construction of an addition to the Keaukaha Armory, Hilo, in the amount of \$76,500, supported \$48,000 by Federal funds and \$28,500 in State funds. Also in June 1960, S. K. Oda, Limited was again awarded a contract for construction of a new armory at Kealakekua, Hawaii in the amount of \$201,000, of which \$124,000 was Federal contribution and \$77,000 was contributed by the State.

During Fiscal Year 1960 the Federal Government, through the National Guard Bureau, allotted a total of \$81,191 to the State for the accomplishment of minor construction and major repairs and utility projects financed 100% from Federal funds. These projects were as follows:

Location	Description	Amount
Wahiawa Armory	Construction of Vehicle Wash Rack and Fuel Dispensing System.....	\$ 3,775.00
Fort Ruger	Reroofing Buildings 256, 257 and 258.....	2,784.00
Keaukaha Military Reservation, Hilo	Repainting Building #628.....	4,980.00
Keaukaha Military Reservation, Hilo	Repainting and Installation of Ventilators, Building #620.....	3,570.00
Sand Island, Oahu	Construction of Nike Missile Training Facilities.....	9,500.00
Wahiawa, Oahu	Construction of Nike Missile Training Facilities.....	7,800.00
Punamano, Oahu	Additions to Air National Guard Encampment.....	15,850.00
Punamano, Oahu	Relocation of Supply Building.....	24,383.00
Sand Island and Wahiawa, Oahu	Installation of Generators and Electrical Equipment and Nike Training Sites.....	4,599.00
Paukukalo, Maui	Repainting and Installation of Ventilators in Vehicle Storage Building.....	3,950.00

Under the major construction program for the Air National Guard, the National Guard Bureau authorized in May 1960 the award of a contract to A. C. Chock, Limited in the amount of \$321,700 for the construction of an air warning radar operational facility at Kokee, Kauai. This project is approximately 16 percent complete and is expected to be completed in November 1960.

During the reporting period the Contracting and Engineering Section awarded contracts for major repair projects financed from State funds as follows:

Resurfacing Diamond Head Access Road.....	\$ 1,355.00
Repairs to Building #5, Fort Ruger.....	2,767.00
Repairs to Building #32, Fort Ruger.....	2,836.00
Repainting Portions of Kapaa Armory.....	1,825.00
Modifications to Assistant AG's Office	
Building #5, Fort Ruger.....	2,328.00
Repaving of Parking Areas, Fort Ruger.....	1,465.00
Modifications to Wailuku Armory.....	2,864.00
Repairs to Motor Vehicle Storage Building,	
Paukukalo, Maui.....	1,725.00
Repairs to Quonset Armory, Hawi, Hawaii.....	3,517.00
Reroofing of Building #505, Keaukaha Military	
Reservation, Hilo.....	1,246.00
Indoor Rifle Range, Kapaa, Kauai.....	1,298.00
Floodlights at Lahaina Armory.....	1,500.00
Reroofing Building #509, Keaukaha Military	
Reservation, Hilo.....	3,300.00
Repair and Reroofing Building #609,	
Keaukaha Military Reservation, Hilo.....	7,184.00
Total.....	\$35,210.00

LOGISTICS

General: The United States Property and Fiscal Officer for Hawaii is the accountable officer for all Federal property loaned to the State of Hawaii for the use of the Hawaii Air and Army National Guard and is responsible for the management of all Federal funds allocated to the State of Hawaii for the support of the Hawaii National Guard. He is the logistical advisor to the Adjutant General.

Federal funds support the procurement, storage and issue of supplies and equipment; maintenance of equipment; transportation of personnel, supplies and equipment; payment of National Guard technicians; certain construction projects; and the accounting system necessary to manage these funds.

A rating of Superior was received from the USAR-HAW Inspector General for the 1960 inspection.

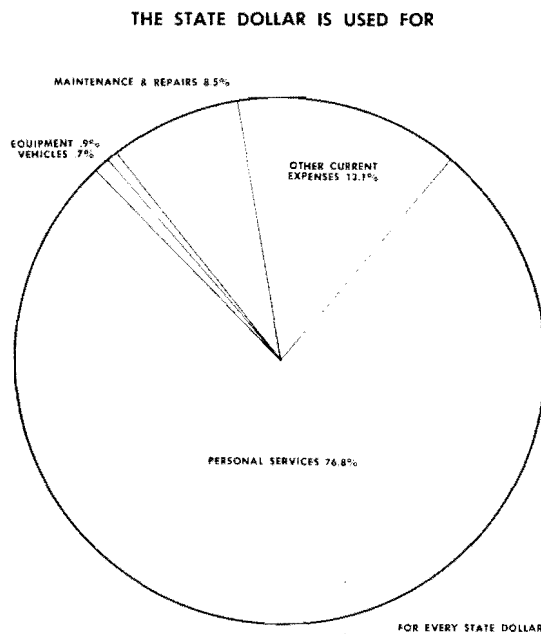
Administrative: This division supports the O/USP &FO with a central filing system and records disposal management. Reproduction, printing and distribution of publications is one responsibility of the division as are secretarial and administrative clerical duties. A continuous in-training program has been instituted and is under the control of the Administrative Assistant. Concepts of the Army Command Management System are supervised and analyzed continually.

FUNDS

The State support toward operations of the Military Division and the Hawaii National Guard during the fiscal year ended June 30, 1960 totalled \$645,227.42. The breakdown of expenditures by major programs are as follows:

Command and Administration.....	\$238,539.61
Maintenance and Operation.....	347,664.40
Encampment and Active Duty Pay.....	50,400.00
Armory Maintenance	8,623.41
Total.....	\$645,227.42

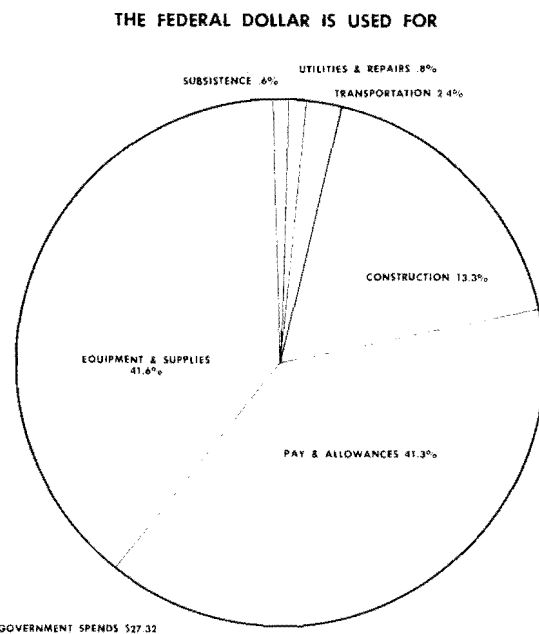
The above expenditures, in comparison with total Federal expenditures of \$17,629,134.16 during the same period, represent approximately \$27.32 Federal funds to each State dollar spent in support of departmental operations.



APPROPRIATED FUNDS

The allocation of Appropriated Funds for the fiscal year 1960 totalled \$646,097.98. This amount which was made available by Legislative appropriation during the 1959 session represents 48% of the biannual appropriation as adjusted plus \$31,162.78 to cover cost of increased compensation. The following is a breakdown of actual expenditures as against allocation by Characters of Expenditure for general operational requirements:

Character of Expenditure	Allocation FY-60	Expenditure FY-60
A. Personal Services.....	\$495,730.98	\$495,681.83
B. Other Current Expenses.....	140,067.00	139,281.29
C. Equipment	6,000.00	5,978.18
M. Motor Vehicles	4,300.00	4,286.12
Total.....	\$646,097.98	\$645,227.42



FOR EVERY STATE DOLLAR SPENT, THE FEDERAL GOVERNMENT SPENDS \$27.32

SERVICE CONTRACTS

The Federal Government provides the Military Division and the Hawaii National Guard with certain reimbursements for personal services and other current expenses required for the maintenance and operation of Federally owned lands and facilities which are either on lease or license to the State of Hawaii. These reimbursable expenditures negotiated under Service Contracts, and applicable to only certain of the installations utilized by the Hawaii National Guard, are subsidized up to 75% of cost of maintenance and operation. During the fiscal year the 6 Army Service Contracts realized a total reimbursement of \$66,252.61 while the 3 Air Service Contracts netted a return of \$18,612.66. A recapitulation of Service Contract reimbursements for the fiscal year by installations is as follows:

Installation	Reimbursement FY-60
Army:	
Fort Ruger, Oahu.....	\$55,293.81
Camp Catlin, Oahu.....	711.65
Honolulu Airport, Oahu.....	547.24
East Range, Oahu.....	5.14
Wheeler Field, Oahu.....	343.08
Lyman Field, Hawaii.....	9,351.69
Total—Army	\$66,252.61
Air:	
Hickam Field, Oahu.....	\$14,642.92
Sand Island, Oahu.....	3,969.74
Fort Kamehameha, Oahu.....
Total—Air	\$18,612.66
Grand Total	\$84,865.27

PERSONNEL

The Military Division was authorized a total of 98 positions during the fiscal year supported by State funds. These positions by type and distribution are as indicated on Plate XVI.

Fiscal: Federal funds for support of Army National Guard operations are allotted by the National Guard Bureau to the States on a quarterly basis against an Annual Budget Program. Allotments are issued under four appropriations:

- Operation and Maintenance, Army National Guard Personnel, Army
- Operation and Maintenance, Army National Guard
- Military Construction, Army National Guard

The Budget & Fiscal Officer of the Office of the U. S. Property & Fiscal Officer for Hawaii is responsible for the development and management of the Federal financial program. The basic concept of the program is expressed in the following functions:

- Budget development and presentation
- Examination and certification for payment
- Accounting and reporting
- Review and analysis of operations

The principal objective of the program is to achieve the maximum utilization of available funds.

The Federal funds obligated in support of the Hawaii Army National Guard are shown in Plate XIV.

Materiel and services not available at Army or Air Force depots are processed for local procurement by the Purchasing & Contracting Section of the Budget & Fiscal Division. Purchases and contracts initiated during the fiscal year are as follows:

Number	Procurement Action	Valuation Dollar
667	Purchase/Delivery Orders valued at.....	\$ 93,407.00
1320	Cash Purchases valued at.....	26,055.00
4	Utilities Contracts valued at.....	4,094.00
2	Armory Construction Contracts valued at.....	171,902.00
3	Service Contracts valued at.....	85,385.00
11	Non-Army Construction Contracts valued at..	399,992.00
		\$780,835.00

The National Guard Bureau authorizes employment of technicians to support the full-time operation of the National Guard. The Civilian Payroll Section of the Budget & Fiscal Division maintains all personnel records pertaining to pay, leave, time and attendance, and tax records. Rates of pay are established by the National Guard Bureau and are generally at the level of Federal Civil Service employees performing similar functions. Data reflecting Army National Guard technicians are as follows:

	Total Man-Months Employed		Total Payroll*		Average* Per Annum Salary	
	FY 59	FY 60	FY 59	FY 60	FY 59	FY 60
Organization Tec.....	1,364.7	1,143.4	668,603	590,996	5,880	6,201
USP&FO Tec.....	563.6	566.8	267,796	281,135	5,698	5,956
Fld Maint Tech.....	1,157.6	980.5	534,690	486,865	5,541	5,959
Air Defense Tech.....	593.9	1,992.7	225,042	1,023,252	4,546	6,160
Range Caretakers.....	42.0	42.0	9,504	10,788	2,640	2,997
TOTAL.....	3,721.8	4,725.4	1,705,635	2,393,036	5,498	6,077

* Includes Employer's share of FICA

SUPPLY

The Supply Division provides the Hawaii Army National Guard with the authorized equipment and supplies required to accomplish its mission. The Division functions include the procurement, storage, distribution, determination of requirements, audit, inventory and accounting for such property, as well as the collection and disposition of surplus, excess and salvage property. The Division is organized into three branches: 1) Field Audit, 2) Financial Inventory Accounting and 3) Stock Control. The Stock Control Branch is further broken down into four operating sections: 1) General Supply, 2) Storage, 3) Repair Parts Supply and 4) Exchange and Supply Stores.

The Field Audit Branch conducts annual audits of all unit property accounts as well as the stock records of the USP&FO. During the past fiscal year all 84 operating accounts were audited as prescribed by regulations and a complete internal audit of Division activities was completed. In July 1959 the National Guard Bureau adopted the "informal accountability" concept for property in the hands of the units. By this means, each property book account became solely responsible for the accounting of property issued to them. The USP&FO maintains accountability for property only while it is in his possession. This ar-

angement increases the importance of the annual audit and inventory of unit accounts and requires a complete check by the Auditors of each transaction document affecting the unit as well as a 100% inventory of all equipment charged to these accounts.

During the past fiscal year the Supply Division began receiving the equipment needed by the HARNG as a result of the reorganization—principally air defense equipment for the NIKE-HERCULES units. Of the \$5,547,125.00 worth of equipment and supplies to HARNG units during this period the missile units received \$4,807,196.00.

There is still approximately \$2,520,969.00 worth of equipment and supplies on order to complete our requirements. The majority of this equipment is for the remaining two missile units that will join the on-site defenses of Oahu after completion of troop training and firing qualification tests. Overall, 96.5% of the HARNG equipment requirements are either on hand or on order for early delivery. The principle shortages cover items that are still in the production stage and others that are restricted nationally because of budgetary limitations.

At the same time that this new equipment was be-

ing introduced, the Supply Division returned to the U. S. Army \$413,277.00 worth of serviceable equipment and \$46,103.00 worth of obsolete and unserviceable items that were not required by the HARNG. There is still \$26,501.00 worth of excesses on hand awaiting disposition instructions from the U. S. Army.

In accomplishing these transactions, the stock records of the Supply Division processed, posted and filed 28,225 voucher and control documents as well as 1795 requisitions for a combined total of 69,706 line items. The general supply warehouse received, issued or shipped 12,546 documents totaling 30,551 line items while the repair parts warehouse handled 11,211 documents and 24,649 line items. This is approximately 10% increase over last fiscal year.

The PFO Exchange Stores—the facilities that make “on-the-spot” issues and exchanges of individual and organizational equipment—extended their service to include the exchange of automotive repair parts on a “one-for-one” basis. The main Store located on Oahu made 7835 issues and exchanges to units on all islands except Hawaii. The branch store located on Hawaii serviced units on that island and made 1302 issues and exchanges. These Stores handled approximately 12% of the Division workload. This is a 50% increase in operation within one year.

The Self-Service Supply Store is the facility that makes available to units for purchase miscellaneous housekeeping, maintenance and office expendable supplies on the “shopping center” principle of operation. The units received monetary allocations of \$22,874.00 during the year and made 11,473 purchases for a total of \$21,518.00. This indicates that the units

have taken full advantage of the services provided. The Store itself handled approximately 16% of the Division workload and reduced its inventory 30% from \$6,872.00 to \$2,968.00. It is now able to carry a more varied line of items to meet the demands of its customers.

Since June 1959 there has been an overall improvement in the supply position of the Division. The operating levels of consumable supplies were reduced 72% from \$116,336.00 last year to \$33,962.00 for this year. The Branch also was able to reduce the overall warehouse serviceable inventory 54.8% from \$300,000.00 to \$136,677.00. In effect this Division is presently operating with 28% of the stock maintained in June 1959. This improved position was brought about by the prompt reporting and disposition of excesses, and the accurate computation of stock levels as well as the timely replenishment of warehouse stocks.

Maintenance: In accordance with directives from the National Guard Bureau, the organization for maintenance of equipment issued to the Hawaii Army National Guard was reorganized effective 1 April 1960. The reorganization resulted in deactivation of one Organizational Maintenance Shop and two Equipment Concentration Sites. This factor together with the new manning criteria prescribed by NGB Pamphlet 51-1, dated 15 September 1959, necessitated a net reduction in force of 11 full-time maintenance technicians. The basic organizational structure for maintenance support of Army National Guard units at the close of Fiscal Year 1960 was as indicated below:

Activity and Location	General Assigned Mission	Number of Full-Time Personnel Employed
Combined Field Maintenance Shop Nr 1, Ft Ruger, Honolulu	Field maintenance support of all units on the Islands of Oahu, Maui, Kauai, and Molokai.....	34
Combined Field Maintenance Shop Nr 2, Hilo	Field maintenance support of all units on the Island of Hawaii....	15
Field Training Equipment Concentration Site, Waiawa Gulch, Oahu	In-Storage maintenance of stored vehicles and equipment in support of all units.....	11
Organizational Maintenance Shop Nr 1, Ft Ruger, Honolulu	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	Organizational maintenance support of 6 units.....	2
Organizational Maintenance Shop Nr 4, Wahiawa	Organizational maintenance support of 5 units.....	3
Organizational Maintenance Shop Nr 5, Ft Ruger, Honolulu	Organizational maintenance support of 2 units.....	3
Organizational Maintenance Shop Nr 6, Lihue	Organizational maintenance support of 4 units.....	1
Organizational Maintenance Shop Nr 7, Paukukalo, Wailuku	Organizational maintenance support of 4 units.....	3
Organizational Maintenance Shop Nr 8, Hilo	Organizational maintenance support of 4 units.....	4
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.....	4
ARNG Aviation Maintenance Shop, Honolulu Airport	Field and organizational maintenance support of all ARNG aircraft on the Island of Oahu.....	6
ARNG Aviation Maintenance Sub-Shop, Hilo	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

The actual condition of maintenance of supplies, equipment, and related records may vary from time to time. However, to obtain and determine the overall status of maintenance, periodic inspections of units are made by commanders, State Maintenance Officer, Army Advisors, and technical inspection teams. Among the various inspections conducted, the more thorough and revealing of effectiveness in organizational maintenance is the rated inspection made by the Army National Guard Command Maintenance Inspection Teams. The overall inspection rating of units given by these teams are as follows:

Unit	Rating
Hq & Hq Det HARNG.....	99.3—Superior
120th MP Co.....	98.1—Superior
613th Ord Co.....	99.3—Superior
111th Army Band.....	100—Superior
Hq & Hq Co 227th Engr Bn.....	97.2—Superior
Co A, 227th Engr Bn.....	97.9—Superior
Co B, 227th Engr Bn.....	96.6—Superior
Co C, 227th Engr Bn.....	98.6—Superior
Hq & Hq Btry 298th Arty Gp.....	98.4—Superior
Hq & Hq Btry 1st Msl Bn 298th Arty.....	98.6—Superior
Btry A 1st Msl Bn 298th Arty.....	97.3—Superior
Btry B 1st Msl Bn 298th Arty.....	97.1—Superior
Btry C 1st Msl Bn 298th Arty.....	98.9—Superior
Btry D 1st Msl Bn 298th Arty.....	99.4—Superior
Hq & Hq Btry 2d Msl Bn 298th Arty.....	96.8—Superior
Btry A 2d Msl Bn 298th Arty.....	98.0—Superior
Btry B 2d Msl Bn 298th Arty.....	97.1—Superior
Btry C 2d Msl Bn 298th Arty.....	97.4—Superior
Btry D 2d Msl Bn 298th Arty.....	99.8—Superior
Hq & Hq Co 29th Inf Bde.....	98.0—Superior
Hq & Hq Co 1st BG 299th Inf.....	93.6—Excellent
Co A 1st BG 299th Inf.....	95.2—Superior
Co B (-) 1st BG 299th Inf.....	98.6—Superior
1st Rifle Plat & Wpn Plat Co B	
1st BG 299th Inf.....	98.9—Superior
Co C 1st BG 299th Inf.....	99.0—Superior
Co D (-) 1st BG 299th Inf.....	98.1—Superior
1st Rifle Plat & Wpn Plat Co D	
1st BG 299th Inf.....	99.0—Superior
Co E (-) 1st BG 299th Inf.....	99.4—Superior
1st Rifle Plat Co E 1st BG 299th Inf.....	98.8—Superior
Cmbt Spt Co 1st BG 299th Inf.....	98.5—Superior
Hq & Hq Co 2d BG 299th Inf.....	96.2—Superior
Co A 2d BG 299th Inf.....	95.2—Superior
Co B 2d BG 299th Inf.....	93.7—Excellent
Co C 2d BG 299th Inf.....	96.2—Superior
Co D 2d BG 299th Inf.....	94.6—Superior
Co E 2d BG 299th Inf.....	94.6—Superior
Cmbt Spt Co 2d BG 299th Inf.....	94.2—Superior
284th Trans Co.....	94.4—Superior

Numerous maintenance services are performed by the various maintenance activities. Of these services provided, only the field maintenance services (3rd and 4th echelon maintenance) provided by the two Combined Field Maintenance Shops are directly accountable and reportable to the National Guard Bureau by means of the Monthly Maintenance Report. Statistics from these reports have been consolidated for the fiscal year and are presented in the bar graphs below. For comparative purposes, statistics for similar operation during the previous fiscal year are also shown:

GRAPH I
NUMBER OF REPAIRS AND SERVICES PERFORMED

Vehicles and Engineer Equipment:	
FY 59	3,899
FY 60	5,051

Scale—1 inch = 2,000

GRAPH I, Continued

Signal and Fire Control Equipment:	
FY 59	9,042
FY 60	3,550

Scale—1 inch = 4,000

Weapons:	
FY 59	15,870
FY 60	11,160

Scale—1 inch = 10,000

Contact Teams, Quartermaster & Allied Trades:	
FY 59	16,211
FY 60	73,305

Scale—1 inch = 40,000

GRAPH II
NUMBER OF MAN-HOURS EXPENDED

Vehicles and Engineer Equipment:	
FY 59	44,888
FY 60	53,616

Scale—1 inch = 40,000

Signal and Fire Control Equipment:	
FY 59	18,861
FY 60	10,059

Scale—1 inch = 10,000

Weapons:	
FY 59	10,825
FY 60	13,795

Scale—1 inch = 10,000

Contact Teams, Quartermaster & Allied Trades:	
FY 59	30,199
FY 60	25,440

Scale—1 inch = 20,000

GRAPH III
COST OF LABOR

Vehicles and Engineer Equipment:	
FY 59	161,527.32
FY 60	156,123.94

Scale—1 inch = 100,000

Signal and Fire Control Equipment:	
FY 59	66,200.17
FY 60	65,444.99

Scale—1 inch = 50,000

Weapons:	
FY 59	38,042.02
FY 60	31,410.37

Scale—1 inch = 50,000

Contact Teams, Quartermaster & Allied Trades:	
FY 59	114,291.34
FY 60	117,337.48

Scale—1 inch = 50,000

GRAPH IV
COST OF PARTS AND MATERIAL

Vehicles and Engineer Repair Parts:	
FY 59	24,596.47
FY 60	26,647.99

Scale—1 inch = 20,000

Signal and Fire Control Repair Parts:	
FY 59	11,952.47
FY 60	2,974.31

Scale—1 inch = 10,000

Weapons Repair Parts:	
FY 59	4,111.89
FY 60	3,749.55

Scale—1 inch = 10,000

Material:	
FY 59	1,062.87
FY 60	437.52

Scale—1 inch = 10,000

Technician Program: During the fiscal year, a total of 502 full-time technicians under the Army National Guard Program were employed.

Project 7512 (Organizational) had 96 technicians employed.

Project 7513 (USP&FO) had 49 technicians employed.

Project 7514 (Field Maintenance) had 71 technicians employed.

Project 7621 (Air Defense) had 286 technicians employed.

During the year, there were 1359 personnel changes: appointments 242; separations 35; salary increases 683; step changes only 62; reassignments with increases 50; reassignments without increases 78; upgraded in position grade 6 and pay differential while attending service schools 203.

The National Guard Bureau in August 1959 authorized the air defense on-site missile program. This program gave us an increase of 212 new positions. Each technician utilized in the air defense on-site missile program must be MOS qualified to fill the appropriate TOE position. To qualify our technicians, they attended service, regional or Army Area schools in a training duty status. Those whose military pay and allowances were less than their technician pay were compensated with a pay differential. The pay differential is the difference between their military pay and allowances and their technician pay, thereby eliminating financial hardship to their families while training in school on the mainland or local Army Area schools.

PLATE I—STATION LIST AND UNIT STRENGTHS

AIR NATIONAL GUARD

Unit	Station	Date of Fed Recog	Off	Strength		Aggr
				WO	Amn	
Headquarters, Hawaii Air National Guard	Fort Ruger, Hawaii	1 Jan 52	12	1	10	23
109th Aircraft Control and Warning Squadron (Fixed)	Punamano, Hawaii	4 Dec 50	36	—	264	300
169th Aircraft Control and Warning Squadron (Fixed)	Koko Head, Hawaii	7 Oct 56	36	—	264	300
199th Fighter Interceptor Squadron	Hickam AFB, Hawaii	4 Nov 46	40	—	262	302
199th Support Squadron	Hickam AFB, Hawaii	1 Feb 60	13	4	272	289
199th Weather Flight (Forecasting & Observing)	Hickam AFB, Hawaii	4 Nov 46	4	—	12	16
			141	5	1084	1230

ARMY NATIONAL GUARD

Special Troops

Unit	Station	Date of Fed Recog
Hq & Hq Det, HARNG	Fort Ruger, Hon, Haw	9 Sep 46
120th MP Co	Fort Ruger, Hon, Haw	8 Jan 51
613th Ord Co (DS)	Fort Ruger, Hon, Haw	30 Sep 46
111th Army Band	Fort Ruger, Hon, Haw	10 Sep 46
1117th Pub Info Det	Fort Ruger, Hon, Haw	1 May 60

227th Engr Bn (Inf Div)

Hq & Hq Co	Fort Ruger, Hon, Haw	27 Jan 47
Co A	Fort Ruger, Hon, Haw	15 May 47
Co B	Fort Ruger, Hon, Haw	17 Apr 47
Co C	Fort Ruger, Hon, Haw	29 Sep 47

298th Arty Group Plus Attached Units

Hq & Hq Btry 298th Arty Gp	Fort Ruger, Hon, Haw	14 Oct 46
1st Msl Bn (Nike Hercules) 298th Arty		
Hq & Hq Btry	Fort Ruger, Hon, Haw	7 Jul 47
Btry A	Pearl City, Oahu, Haw	28 Jun 48
Btry B	Kaneohe, Oahu, Haw	3 Nov 47
Btry C	Sand Island, Oahu, Haw	29 Jun 48
Btry D	Fort Ruger, Hon, Haw	18 Aug 47
2nd Msl Bn (Nike Hercules) 298th Arty		
Hq & Hq Btry	Wahiawa, Oahu, Haw	11 Aug 47
Btry A	Waianae, Oahu, Haw	10 May 48
Btry B	Wahiawa, Oahu, Haw	15 Sep 47
Btry C	Waialua, Oahu, Haw	17 Nov 47
Btry D	Fort Barrette, Oahu, Haw	15 Dec 47

29th Inf Bde Plus Attached Units

Unit	Station	Date of Fed Recog
Hq & Hq Co 29th Inf Bde	Fort Ruger, Hon, Haw	4 Jan 54
1st BG 299th Inf		
Hq & Hq Co	Fort Ruger, Hon, Haw	30 Jun 47
Co A	Lahaina, Maui, Haw	6 Jan 47
Co B (-)	Kaunakakai, Molokai, Haw	10 Mar 47
1st Rifle Plat & Wpns Plat		
Co B	Wailuku, Maui, Haw	22 Oct 46
Co C	Kahului, Maui, Haw	26 Jun 47
Co D (-)	Lihue, Kauai, Haw	28 Oct 46
1st Rifle Plat & Wpns Plat		
Co D	Kapaa, Kauai, Haw	17 Nov 47
Co E (-)	Hanapepe, Kauai, Haw	9 Jun 47
1st Rifle Plat Co E	Kekaha, Kauai, Haw	1 Aug 55
Cmbt Spt Co	Wailuku, Maui, Haw	22 Oct 46
2nd BG 299th Inf		
Hq & Hq Co	Hilo, Hawaii	8 Oct 46
Co A (-)	Olaa, Hawaii	12 Nov 47
1st Rifle Plat Co A	Pahala, Hawaii	13 Jul 47
Co B	Hilo, Hawaii	5 May 47
Co C (-)	Laupahoehoe, Hawaii	12 Jul 47
1st Rifle Plat & Wpns Plat Co C	Kohala, Hawaii	3 Jun 47
Co D	Honokaa, Hawaii	16 Jul 47
Co E	Kealakekua, Hawaii	15 Aug 47
Cmbt Spt Co	Hilo, Hawaii	2 Mar 47
284th Trans Co	Hilo, Hawaii	20 Nov 46

PLATE II — PRINCIPAL COMMANDERS AND STAFF OFFICERS

The Adjutant General of Hawaii
Major General F. W. Makinney

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

Hq Det HARNG Staff

Chief of Staff..... Col John Campbell
USPFO..... Col Clark G. Johnson
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 Comdr..... Capt Herman F. Waltjen

Special Troops

CO 120th MP Co..... Capt Charles F. W. Chong
CO 613th Ord Co..... Capt Nicholas M. Beloberk
CO 111th Army Band..... CWO Carl S. Baptiste
CO 117th Pub Info Det..... Capt Joseph J. O'Donnell

227th Engr Bn

CO..... Lt Col Louis D. Hinton
XO..... Capt Frank Vaughan
S-1..... Capt Richard S. Oguro
S-2..... 1st Lt Alexander W. Thoene
S-3..... Capt Raymond Y. Oyama
S-4..... Capt Joseph Holck

298th Arty Group

CO..... Col John M. Becker
XO..... Lt Col Masato Sugihara
S-1..... Maj Kerwin R. Keys
S-2..... Capt Melvin Alencastre
S-3..... Maj Howard G. Christ
S-4..... Capt William B. Steven
CO 1st Msl Bn 298th Arty..... Lt Col Edward M. Yoshimasu
CO 2nd Msl Bn 298th Arty..... Lt Col Manuel Kwon

29th Inf Bde

CG..... Brig Gen Michael R. Roman
XO..... Col Francis S. Takemoto
S-1..... Maj Archie Kennison, Jr.
S-2..... Maj Sunny S. G. Kim
S-3..... Lt Col Reginald K. F. Lau
S-4..... Capt Richard M. Hendricks
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

Brigadier General Valentine A. Siefermann
Assistant Adjutant General (Air)

Headquarters, Hawaii Air National Guard

Commander..... Brigadier General Valentine A. Siefermann
Deputy Commander..... Colonel James R. Ashford
Director of Operations..... Major Robert B. Maguire
Director of Materiel..... Major Russell L. Smith, Jr.
Communications-Electronics
Staff Officer..... Captain Arthur U. Ishimoto
Operations Staff Officer..... Major Robert A. Hite
Weapons Director Staff Officer..... Captain James Y. Sato
Supply Staff Officer..... CWO W-3 Joseph L. Barnett
Administrative Officer..... Captain James K. Lota
Chaplain..... Captain Walter R. Strobel

109th Aircraft Control and Warning Squadron (Fixed)

Commander..... Major Robert G. O'Hara
Weapons Director Staff Officer..... Captain Dewitt C. Bye
Communications-Electronics
Staff Officer..... Major Nobuo F. Tanigawa
Personnel Officer..... Captain John M. English

169th Aircraft Control and Warning Squadron (Fixed)

Commander..... Major Kiyoshi P. Goya
Weapons Director
Staff Officer..... Captain Joseph D. Chambless, Jr.
Communications-Electronics
Staff Officer..... Captain John C. Y. Ing
Personnel Officer..... Captain Paul H. C. Chung

199th Fighter Interceptor Squadron

Commander..... Major George R. Duncan
Operations Officer..... Major Jarrett F. Carr
Aircraft Maintenance Officer..... Major William W. Dau
Personnel Officer..... Captain Carl L. Thoene, Jr.

199th Support Squadron

Commander..... Lt Colonel Walter F. Judd
Executive Officer..... Captain Tyler M. Harr, Jr.
Medical Officer,
Aviation Medicine..... Captain Claude V. Caver, Jr.

199th Weather Flight (Forecasting and Observing)

Commander..... Major Allen D. Pearson

PLATE III — OFFICER GAINS AND LOSSES

ARMY NATIONAL GUARD

Unit	G A I N S				L O S S E S				Net Gain or Loss
	Apt	Trf	Inact NG	Total Gains	Disch	Trf	Inact NG	Total Losses	
Hq & Hq Det HARNG.....	2	2	-	4	2	2	-	4	-
120th MP Co.....	-	-	-	-	-	-	-	-	-
613th Ord Co.....	1	-	-	1	-	-	-	-	1
117th Pub Info Det.....	-	1	-	1	-	-	-	-	1
227th Engr Bn.....	5	-	1	6	2	1	-	3	3
298th Arty Gp.....	6	-	-	6	4	1	2	7	-1
29th Inf Bde.....	7	3	1	11	12	2	2	16	-5
TOTAL HARNG.....	21	6	2	29	20	6	4	30	-1

AIR NATIONAL GUARD

Unit	Strength 30 Jun 59	Appt	Trf	Total Gains	Disch	Trf	Other	Total Losses	Net Gain or Loss	Strength 30 Jun 60
Hq HANG.....	7	1	3	4	1	1	0	2	+ 2	9
109th ACW Sq.....	19	6	2	8	3	0	0	3	+ 5	24
169th ACW Sq.....	23	3	1	4	1	3	0	4	0	23
199th FI Sq.....	52	0	0	0	2	12	0	14	-14	38
199th Supp Sq.....	-	1	11	12	0	1	0	1	+ 11	11
199th WF (F&O).....	4	1	0	1	1	0	0	1	0	4
TOTALS.....	105	12	17	29	8	17	0	25	+ 4	109

PLATE IV — SOURCE OF OFFICER APPOINTMENTS

AIR NATIONAL GUARD

		Hq HANG	109th ACW Sq	169th ACW Sq	199th FI Sq	199th Supp Sq	199th WF
USAFR.....	8	1	4	2	0	0	1
Direct Appointment.....	2	0	1	0	0	1	0
Special Appointment.....	2	0	1	1	0	0	0

PLATE IV SOURCE OF OFFICER APPOINTMENTS

ARMY NATIONAL GUARD

FROM OFFICERS			FROM EM OF HARNG		Total
USAR	NG	Others	Sp	OCS	
17	1	2	1		21

PLATE V OFFICER SEPARATIONS

ARMY NATIONAL GUARD

Retire	Resig	W/D of Fed Recog	Total
2	15	3	20

PLATE V — OFFICER LOSSES

AIR NATIONAL GUARD

		Hq HANG	109th ACW Sq	169th ACW Sq	199th FI Sq	199th Supp Sq	199th WF
Removal of Residence.....	6	1	2	0	2	0	1
Incompatible Occupation.....	1	0	1	0	0	0	0
Other.....	18	1	0	4	12	1	0

PLATE VI — WARRANT OFFICER GAINS AND LOSSES

ARMY NATIONAL GUARD

Unit	G A I N S				L O S S E S				Net Gain or Loss
	Apt	Trf	Inact NG	Total Gains	Disch	Trf	Inact NG	Total Losses	
Hq & Hq Det HARNG.....	1	-	-	1	-	-	-	-	1
613th Ord Co.....	-	-	-	-	-	-	-	-	-
111th Army Band.....	-	-	-	-	-	-	-	-	-
227th Engr Bn.....	-	-	-	-	-	-	-	-	-
298th Arty Gp.....	3	-	-	3	1	-	-	1	2
29th Inf Bde.....	1	-	-	1	5	-	1	6	-5
TOTAL.....	5	-	-	5	6	-	1	7	-2

AIR NATIONAL GUARD

Unit	Strength 30 Jun 59	Gains	Losses	Net Gain or Loss	Strength 30 Jun 60
Hq HANG.....	1	0	0	0	1
109th ACW Sq.....	1	0	1	-1	0
169th ACW Sq.....	0	1	1	0	0
199th FI Sq.....	3	0	2	-2	1
199th Supp Sq.....	-	0	0	0	0
199th WF (F&O).....	0	0	0	0	0
TOTALS.....	5	1	4	-3	2

PLATE VII — ENLISTED PERSONNEL GAINS AND LOSSES

ARMY NATIONAL GUARD

Unit	G A I N S				L O S S E S				Net Gain or Loss
	Enl and Reenl	Trf	Inact NG	Total Gains	Disch	Trf	Inact NG	Total Losses	
Hq & Hq Det HARNG.....	6	6	-	12	9	2	-	11	1
120th MP Co.....	16	16	2	34	16	5	2	23	11
613th Ord Co.....	23	9	2	34	12	8	4	24	10
111th Army Band.....	-	2	-	2	2	-	-	2	-
117th Pub Info Det.....	1	1	-	2	-	-	-	-	2
227th Engr Bn.....	47	31	2	80	62	15	3	80	-
298th Arty Gp.....	141	38	9	188	128	22	15	165	23
29th Inf Bde.....	253	25	20	298	323	76	36	435	-137
Total HARNG.....	487	128	35	650	552	128	60	740	-90

Footnotes: Reenlistments without break in service and discharges with immediate reenlistments are not included above.
Transfers indicate individuals transferred within the Hawaii Army National Guard.

PLATE VII—Continued

AIR NATIONAL GUARD

Unit	Strength 30 Jun 59	Enl	Reenl	Trf	TOTAL GAINS	Disch	Trf	ETS	SVS	TOTAL LOSSES	Net Gain or Loss	Strength 30 Jun 60
Hq HANG.....	6	0	2	1	3	0	1	2	0	3	0	6
109th ACW Sq.....	158	18	27	1	46	28	5	32	0	65	— 19	149
169th ACW Sq.....	154	9	38	1	48	16	2	41	1	60	— 12	152
199th FI Sq.....	453	76	103	10	189	50	245	109	3	407	— 218	235
199th Supp Sq.....	—	22	32	246	300	20	6	39	0	65	+ 235	235
199th WF (F&O).....	12	1	4	0	5	1	1	4	0	6	— 1	11
TOTALS.....	803	126	206	259	591	115	260	227	4	606	— 15	788

PLATE VIII—SOURCE OF ENLISTMENTS

ARMY NATIONAL GUARD

Unit	Non-Prior Svc Personnel Rqr 6 Mos ADT	Prior Svc Personnel	Reenl With Break In NG Svc	All Others	Total
Hq & Hq Det HARNG.....	4	—	—	2	6
120th MP Co.....	10	3	—	3	16
613th Ord Co.....	11	9	2	1	23
111th Army Band.....	—	—	—	—	—
117th Pub Info Det.....	—	1	—	—	1
227th Engr Bn.....	22	15	2	8	47
298th Arty Gp.....	102	22	2	15	141
29th Inf Bde.....	180	50	5	18	253
Total HARNG.....	329	100	11	47	487

PLATE IX—ENLISTED PERSONNEL DISCHARGES

ARMY NATIONAL GUARD

Unit	Enlistment in Regular Svc	ETS not Reenl	Removal of Residence	Enl in Res Comp	Inducted	All Others	Total
Hq & Hq Det HARNG.....	1	2	1	1	1	3	9
120th MP Co.....	1	3	1	—	—	11	16
613th Ord Co.....	—	3	3	—	—	6	12
111th Army Band.....	—	1	—	—	—	1	2
117th Pub Info Det.....	—	—	—	—	—	—	—
227th Engr Bn.....	1	18	5	15	2	21	62
298th Arty Gp.....	6	40	23	15	6	38	128
29th Inf Bde.....	29	112	26	24	18	114	323
Total HARNG.....	38	179	59	55	27	194	552
Percent.....	6.9	32.4	10.7	9.9	4.9	35.1	

Footnote: Discharges from active NG only.

AIR NATIONAL GUARD

Unit	ETS Not Reenl	ETS Reenl	Reenl to Attend SVC	Incomp Occup	Removal of Residence	Continued Absence	Enl in Other Component	Adv Crs ROTC	All Others	Total
Hq HANG.....	0	2	0	0	0	0	0	0	1	3
109th ACW Sq.....	5	27	0	2	6	5	2	3	15	65
169th ACW Sq.....	4	37	1	5	8	1	0	2	2	60
199th FI Sq.....	9	100	3	22	9	0	6	4	254	407
199th Supp Sq.....	7	32	0	6	2	0	1	0	17	65
199th WF (F&O).....	0	4	0	0	1	0	0	0	1	6
TOTALS.....	25	202	4	35	26	6	9	9	290	606

PLATE X — REENLISTMENT RATE

ARMY NATIONAL GUARD

Unit	Number Discharged For ETS	Number Reenlisted	Number Not Reenlisted	Reenlistment Rate
Hq & Hq Det HARNG.....	15	13	2	86.7
120th MP Co.....	26	23	3	88.5
613th Ord Co.....	26	23	3	88.5
111th Army Band.....	7	6	1	85.7
117th Pub Info Det.....	—	—	—	—
227th Engr Bn.....	98	80	18	81.6
298th Arty Gp.....	230	190	40	82.6
29th Inf Bde.....	508	396	112	78.0
Total HARNG.....	910	731	179	80.3

AIR NATIONAL GUARD

Unit	Number Discharged Per ETS	Number Reenl	Number Not Reenl	Reenlistment Rate (Percent)
Hq HANG.....	2	2	0	100%
109th ACW Sq.....	32	27	5	84%
169th ACW Sq.....	41	37	4	90%
199th FI Sq.....	109	100	9	92%
199th Supp Sq.....	39	32	7	82%
199th WF (F&O).....	4	4	0	100%
TOTALS.....	227	202	25	89%

PLATE XI — ARMY SERVICE SCHOOLS

OFF	WO	EM	Course	School
1			Assoc AAA & SAM Off Adv	US Army Air Def Sch, Ft Bliss, Tex
3			Assoc SAM Btry Off	US Army Air Def Sch, Ft Bliss, Tex
2			Assoc AD Msl Btry Off	US Army Air Def Sch, Ft Bliss, Tex
3			Assoc AD Off Adv	US Army Air Def Sch, Ft Bliss, Tex
2			SAM Maint	US Army Air Def Sch, Ft Bliss, Tex
2			Nike Hercules Maint Off Trans	US Army Air Def Sch, Ft Bliss, Tex
19			Nike Universal Off Qual	US Army Air Def Sch, Ft Bliss, Tex
	6	25	Nike Universal FCS Maint	US Army Air Def Sch, Ft Bliss, Tex
	2	12	Nike Universal Elect Mat Maint	US Army Air Def Sch, Ft Bliss, Tex
		8	Nike Hercules Mech Mat Maint	US Army Air Def Sch, Ft Bliss, Tex
		1	Nike Ajax Msl Mech Maint	US Army Air Def Sch, Ft Bliss, Tex
7			Assoc Inf Co Off	US Army Inf Sch, Ft Benning, Ga
3			Assoc Inf Off Adv	US Army Inf Sch, Ft Benning, Ga
2			Inf Off Basic	US Army Inf Sch, Ft Benning, Ga
6			Inf Off Refresher	US Army Inf Sch, Ft Benning, Ga
		3	Spec NG Inf OCS	US Army Inf Sch, Ft Benning, Ga
2			Engr Off Basic	US Army Engr Sch, Ft Belvoir, Va
	1		Engr Equip Maint Off	US Army Engr Sch, Ft Belvoir, Va
		1	Engr Equip Maint	US Army Engr Sch, Ft Belvoir, Va
		11	GM Instal Elect Equip Repair	US Army Engr Sch, Ft Belvoir, Va
	2		Arty Motor Transport	US Army Arty & Msl Sch, Ft Sill, Okla
		5	Arty Radio Maint	US Army Arty & Msl Sch, Ft Sill, Okla
		1	Arty Survey (Adv)	US Army Arty & Msl Sch, Ft Sill, Okla
1			Signal Off Basic	US Army Signal Sch, Ft Monmouth, N.J.
1			Fourth Signal Maint Symposium	US Army Signal Sch, Ft Monmouth, N.J.
1			Assoc Comd & Gen Staff Off	US Army Comd & Gen Staff College, Ft Leavenworth, Kansas
1			Nuclear Wpns Employment	US Army Comd & Gen Staff College, Ft Leavenworth, Kansas
1			Spec Info Crs for RC Off	US Army Comd & Gen Staff College, Ft Leavenworth, Kansas
12			US Army Msl Site Security	US Army PMG Sch, Ft Gordon, Ga
1			MP Off Basic	US Army PMG Sch, Ft Gordon, Ga
		1	Utility & Cargo, Single Rotor Helicopter Maint	US Army Avn Sch, Ft Rucker, Ala
		1	Aircraft Maintenance (Entry)	US Army Avn Sch, Ft Rucker, Ala
		2	Recon Helicopter Maint	US Army Avn Sch, Ft Rucker, Ala
2			Off Rotary Wing Qual	US Army Avn Sch, Camp Wolters, Tex
1			CGUSARSIX Civ Contract Instru	Ross Aviation Sch, Metropolitan Oakland Inter Airport, Oakland, Calif
18	12	196	TTS & Package Training (Pkg) 23	Ft Bliss, Texas
5		13	Troop Trained Specialist	Ft MacArthur, California
		1	Ord Parts Supply	US Army Ord Sch, APG, Md
1			Pers Management Off	US Army AG Sch, Ft Benjamin Harrison, Ind
1			NG JAG Refresher	US Army JAG Sch, Charlottesville, Va
	2		Armor Track Veh Mech	US Army Armor Sch, Ft Knox, Ken
		1	Medical Specialist	US Army Med Svc Sch, Ft Sam Houston, Texas
1			Selective Service Conference	Portland AFB, Portland, Oregon
1			Med Aspects of Msl Operations	6550th USAF Hospital, Patrick AF Base, Florida
1			National Cold War Strategy Seminar	National War College, Wash, D.C.

PLATE XI—Continued

LOCAL SCHOOL

	1	Flame Thrower	25th Inf Div Flame Thrower Sch, Schofield Bks	
	1	NCO Academy	NCO Academy, Schofield Bks	
	7	Medical Aidman	Tripler Army Hospital, Honolulu	
1	17	Projectionist Training	Ft Shafter	
TOTAL ATTENDANCE MAINLAND SERVICE SCHOOLS FY 1960.....				408
		Officers.....78	Warrant Officers.....11	Enlisted Men.....75
TOTAL ATTENDANCE USARHAW SCHOOLS FY 1950.....				27
GRAND TOTAL ATTENDANCE ARMY SERVICE SCHOOLS FY 1960.....				435

COMPARISON OF ATTENDANCE IN ARMY AREA AND ARMY SERVICE SCHOOLS:

1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
144	245	279	166	144	136	133	152	168	133	201	435

PLATE XII—ANG SERVICE SCHOOLS

OFF	AMN	Course	School
3		ANG Jet Instrument School	ANG Jet Instrument School, Ellington AFB, Texas
2		Regular Course, Squadron Officer School	Air Command & Staff College, Maxwell AFB, Alabama
3		Weapons Controller	3625th Technical Training Group, Tyndall AFB, Florida
	4	Routine Practical Instruction on AN/FPS-20A	774th ACW Sq, Madera AFS, California
	1	Apprentice Aeromedical Specialist	USAF School of Aviation Medicine, Brooks AFB, Texas
	1	Communications Center Specialist	Sheppard Technical Training Center, Sheppard AFB, Texas
	3	Administrative Clerk	Amarillo Technical Training Center, Amarillo AFB, Texas
	1	Fuel Supply Specialist	Amarillo Technical Training Center, Amarillo AFB, Texas
	2	Warehousing Specialist	Amarillo Technical Training Center, Amarillo AFB, Texas
	3	Organizational Supply Specialist	Amarillo Technical Training Center, Amarillo AFB, Texas
	1	Airframe Repairman	Amarillo Technical Training Center, Amarillo AFB, Texas
	5	Aircraft Mechanic, Single Engine Jet	Amarillo Technical Training Center, Amarillo AFB, Texas
	3	Cryptographic Operator	3275th Technical Training Wing, Lackland AFB, Texas
	4	Air Police	3275th Technical Training Wing, Lackland AFB, Texas
	4	ACW Radar Repairman AN/FPS-8; AN/FPS-4	Keesler Technical Training Center, Keesler AFB, Miss
	4	Ground Communications Equipment Repairman (Light)	Keesler Technical Training Center, Keesler AFB, Miss
	1	Ground Communications Equipment Maintenance Technician (Light)	Keesler Technical Training Center, Keesler AFB, Miss
	6	ACW Operator	Keesler Technical Training Center, Keesler AFB, Miss
	5	Jet Engine Mechanic	Chanute Technical Training Center, Chanute AFB, Illinois
	7	Automotive Repairman	Chanute Technical Training Center, Chanute AFB, Illinois
	1	Aircraft & Missile Support Equipment Repairman	Chanute Technical Training Center, Chanute AFB, Illinois
	2	Aircraft Hydraulic Repairman	Chanute Technical Training Center, Chanute AFB, Illinois
	4	Instrument Repairman	Chanute Technical Training Center, Chanute AFB, Illinois
	1	Parachute Rigger	Chanute Technical Training Center, Chanute AFB, Illinois
	2	Weather Observer	Chanute Technical Training Center, Chanute AFB, Illinois
	6	Weapons Control System Mechanic (E-4, 5, 6 Series)	Lowry Technical Training Center, Lowry AFB, Colorado
	4	Weapons Control System Mechanic (MG-10 Data Flow)	Lowry Technical Training Center, Lowry AFB, Colorado
	1	Munitions Specialist	Lowry Technical Training Center, Lowry AFB, Colorado
	1	Firefighting	Lowry Technical Training Center, Lowry AFB, Colorado
	1	Weapons Mechanic, Fighter Interceptor	Lowry Technical Training Center, Lowry AFB, Colorado
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PLATE XIII—ARMY EXTENSION COURSE ENROLLMENT

OFF	WO	EM	Course	School
1			Company Officer Extension Course	US Army Armor Sch, Ft Knox, Ky
13	2	6	Special Extension Course	US Army Arty & Msl Sch, Ft Sill, Okla
8			Battery Grade Extension Course	US Army Arty & Msl Sch, Ft Sill, Okla
2			Advanced Extension Course	US Army Arty & Msl Sch, Ft Sill, Okla
5	1	4	Special Extension Course	US Army Engineer Sch, Ft Belvoir, Va
7			Company Officer Extension Course	US Army Engineer Sch, Ft Belvoir, Va
		2	Basic Extension Course	US Army Engineer Sch, Ft Belvoir, Va
		55	Pre-Commission Extension Course	US Army Inf Sch, Ft Benning, Ga
51			Company Officer Extension Course	US Army Inf Sch, Ft Benning, Ga
27			Advanced Extension Course	US Army Inf Sch, Ft Benning, Ga
2	1	1	Special Extension Course	US Army Ordnance Sch, APG, Md
1	1		Company Officer Extension Course	US Army Ordnance Sch, APG, Md
			Advanced Extension Course	US Army Ordnance Sch, APG, Md
2		5	Special Extension Course	Provost Marshal Gen Sch, Camp Gordon, Ga
1			Advanced Extension Course	US Army Quartermaster Sch, Ft Lee, Va
		4	Special Extension Course	US Army Signal Sch, Ft Monmouth, N.J.

PLATE XIII — Continued

7		Company Officer Extension Course	US Army Signal Sch, Ft Monmouth, N.J.
3		Company Officer Extension Course	US Army Transportation Sch, Ft Eustis, Va
2		USA C&GS Extension Course	US Army Command & Gen Staff College, Ft Leavenworth, Kansas
1	1	USA AG's Extension Course	US Army Adjutant General's Sch, Ft Benjamin Harrison, Ind
3	2	USA Med Svc Extension Course	US Army Medical Service School, Army Medical Center, Ft Sam Houston, Texas
3	2	Selective Svc Sys Ext Crs	Selective Service System, Wash, D.C.

COMPARISON OF PERSONNEL ENROLLED IN ARMY EXTENSION COURSE:

1953	1954	1955	1956	1957	1958	1959	1960
182	289	237	198	172	248	231	228

PLATE XIV — FEDERAL FUNDS EXPENDED

FEDERAL FUNDS EXPENDED IN SUPPORT OF THE
HAWAII ARMY NATIONAL GUARD, FISCAL YEAR 1960

Funds Allotted to Hawaii Army National Guard	Funds Available	Funds Obligated	Per Cent Obligated
Pay & Allowances:	\$3,226,024	\$3,215,494.32	99.7
Civilian Personnel.....	2,398,704	2,393,036.33	99.8
Field Training.....	395,410	392,851.22	99.4
School Training.....	421,960	419,919.07	99.5
Uniform Allowances, Officers.....	5,300	5,100.00	96.2
Miscellaneous			
Hospitalization.....	1,100	1,046.16	95.1
Other Exercises.....	3,550	3,541.54	99.8
Transportation of Personnel:	297,175	294,268.72	99.0
Field Training.....	188,290	188,238.65	99.9
School Training.....	85,300	83,256.72	97.6
Other Exercises.....	23,585	22,773.35	96.6
Transportation of Supplies:	49,180	43,297.40	88.0
Field Training.....	43,100	37,950.00	88.0
Organizational.....	6,080	5,347.40	87.9
Subsistence:	76,620	72,807.30	95.0
Field Training.....	58,520	55,083.32	94.1
Unit Training Assemblies.....	18,100	17,723.98	97.9
Supplies and Equipment:	224,465	218,550.50	97.4
Clothing and Individual Equipment.....	8,800	8,764.08	99.6
Organizational Equipment.....	89,040	86,638.35	97.3
Repair Parts and Equipment.....	53,325	52,524.30	98.5
Petroleum, Oil and Lubricants.....	41,440	40,579.08	97.9
Misc Supplies and Services.....	26,410	25,352.13	95.9
Field Training Expenses.....	5,450	4,692.56	86.1
Repairs and Utilities:	87,611	87,572.57	99.9
Service Contracts.....	62,701	62,677.44	99.9
Federal Building and Grounds.....	24,910	24,895.13	99.9
Miscellaneous:	1,000	799.27	79.9
Medical Supplies and Services.....	1,000	799.27	79.9
Construction:	171,901.17	171,901.17	100
Armory	171,901.17	171,901.17	100
	4,133,976.17	4,104,691.25	99.3
Funds allotted to other agencies:			
Armory Training Pay.....			\$1,072,675.26
Army Advisors' Pay.....			265,000.00
Non-Stock Fund Supplies and Equipment.....			5,384,012.04
			\$6,721,687.30
Total Federal Fund Support for Hawaii Army National Guard.....			\$10,826,378.55

PLATE XVI — STATE PAID EMPLOYEES BY TYPE AND DISTRIBUTION

No. of Positions	Type of Position	Classification	Using Agency or Activity
1	Adjutant General	Maj Gen	Command & Administrative Section
1	Executive Officer	Colonel	Command & Administrative Section
1	Administrator	SR 13	Command & Administrative Section
1	Administrative Secretary	SR 11	Command & Administrative Section
1	Chauffeur	SR 5	Command & Administrative Section
1	Messenger	SR 1	Command & Administrative Section
1	Air Staff Officer	Colonel	Air Staff Section, AGO
1	Military Personnel Officer	Lt Col	Personnel Section, AGO
1	Assistant Military Personnel Officer	SR 21	Personnel Section, AGO
1	Clerk	SR 6	Personnel Section, AGO
1	Typist	SR 6	Personnel Section, AGO
1	Clerk	SR 5	Personnel Section, AGO
1	Typist	SR 4	Personnel Section, AGO
1	Clerk-Stenographer	SR 8	Personnel Section, 29th Inf Bde
2	Adm, Maint & Supply Officer	SR 18	Personnel Section, 1st BG 299th Inf
1	Military Administrative Technician	SR 7	Personnel Section, 1st BG 299th Inf
2	Typist	SR 6	Personnel Section, 1st BG 299th Inf
1	Clerk	SR 8	Personnel Section, 1st BG 299th Inf
1	Typist	SR 4	Personnel Section, 1st BG 299th Inf
1	Clerk	SR 5	Personnel Section, 298th AAA Group
1	Public Information Officer	SR 20	Public Information Office, AGO
1	Public Information Technician	SR 16	Public Information Office, AGO
1	Military Plans & Training Officer	Lt Col	Plans & Training Section, AGO
1	Asst Military Plans & Training Officer	SR 21	Plans & Training Section, AGO
1	Clerk-Stenographer	SR 6	Plans & Training Section, AGO
1	Typist	SR 6	Plans & Training Section, AGO
1	Fiscal Officer	Lt Col	Fiscal Section, AGO
1	Asst Personnel & Fiscal Officer	SR 21	Fiscal Section, AGO
1	Purchasing Agent	SR 15	Fiscal Section, AGO
1	Typist	SR 8	Fiscal Section, AGO
1	Contracting & Engineering Officer	Lt Col	Contracting & Engineering Sec, AGO
1	Architectural Draftsman	SR 15	Contracting & Engineering Sec, AGO
1	Typist	SR 6	Contracting & Engineering Sec, AGO
1	Military Property & Supply Officer	Lt Col	Office of the USP&FO
1	Asst Military Property & Supply Officer	SR 21	Office of the USP&FO
1	Asst Warehouse Supervisor	SR 13	Office of the USP&FO
1	Storekeeper	SR 8	Office of the USP&FO
1	Truck Driver	SR 7	Office of the USP&FO
1	Typist	SR 6	Office of the USP&FO
1	Automotive Mechanic	SR 13	Automotive Maintenance Section
2	Automotive Mechanic	SR 11	Automotive Maintenance Section
8	Patrolman	SR 8	Installation Security Section
1	Maintenance Superintendent	SR 21	Building & Grounds Maintenance Sec
1	Asst Maintenance Superintendent	SR 16	Building & Grounds Maintenance Sec
1	Plumber	SR 11	Building & Grounds Maintenance Sec
2	Electrician	SR 11	Building & Grounds Maintenance Sec
2	Carpenter	SR 10	Building & Grounds Maintenance Sec
1	Equipment Operator	SR 11	Building & Grounds Maintenance Sec
1	Building Maintenance man	SR 10	Building & Grounds Maintenance Sec
5	Building Maintenance man Helper	SR 7	Building & Grounds Maintenance Sec
1	Mechanical Handyman	SR 7	Building & Grounds Maintenance Sec
1	Equipment Operator	SR 7	Building & Grounds Maintenance Sec
1	General Laborer	SR 7	Building & Grounds Maintenance Sec
1	Tractor Mower Operator	SR 6	Building & Grounds Maintenance Sec
11	General Laborer	SR 5	Building & Grounds Maintenance Sec
7	General Laborer	SR 3	Building & Grounds Maintenance Sec
2	Groundskeeper	SR 3	Building & Grounds Maintenance Sec
7	Janitor	SR 3	Building & Grounds Maintenance Sec
1	Janitor	SR 1	Building & Grounds Maintenance Sec

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PLATE XV ANG FEDERAL FUNDS EXPENDED AIR NATIONAL GUARD

Account Title	Amount Expended
Civilian Pay.....	\$2,083,421.83
Military Pay.....	642,896.24
Transportation of Personnel and Supplies.....	80,953.43
Subsistence.....	38,681.83
Construction.....	2,169,508.60
Medical Supplies and Equipment.....	3,859.33
Repairs and Utilities.....	55,594.11
Equipment and Clothing.....	41,500.83
Maintenance, Parts, Supplies and Services.....	1,686,339.41
TOTAL.....	\$6,802,755.61

**ADJUTANTS GENERAL OF HAWAII
1894 - 1960**

**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**