



annual report

department of defense

fiscal year
1977

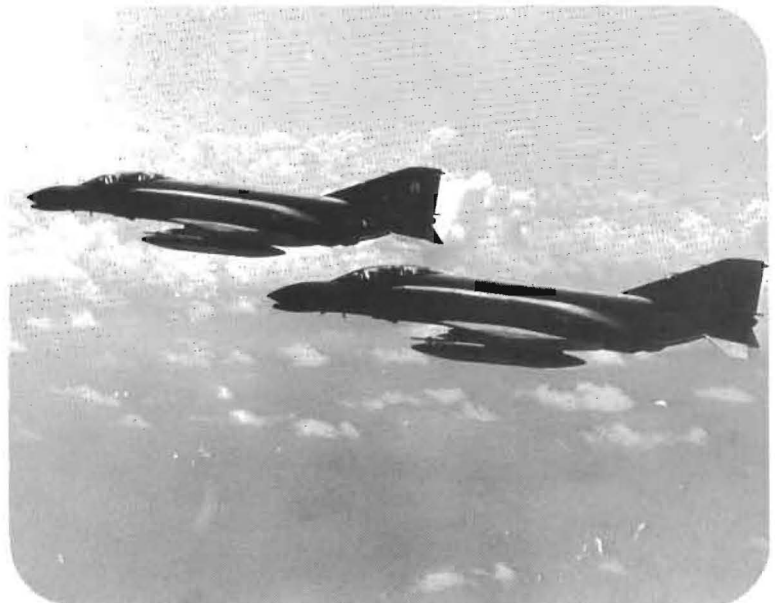
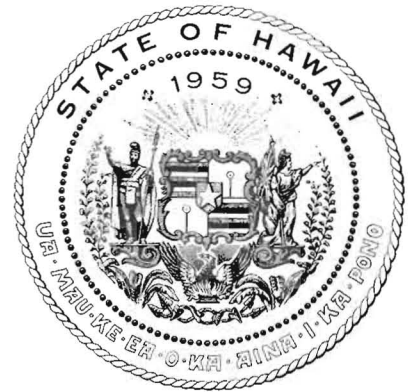


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The Federal Government changed its fiscal year to end on Sept. 30, whereas the State government's fiscal year ended June 30. Unless specifically stated in the text, figures will reflect the State fiscal year period.



The Honorable George R. Ariyoshi
Governor of Hawaii
Commander in Chief
Hawaii National Guard

ON THE COVER: Pictured are the three divisions of the State of Hawaii, Department of Defense (clockwise from top left): Army Guardsmen participating in an air mobile raid; two Air Guard F-4C's flying in formation; and the entrance to Civil Defense's Birkhimer Tunnel.

GEORGE R. ARIYOSHI
GOVERNOR



VALENTINE A. SIEFERMANN
MAJOR GENERAL
ADJUTANT GENERAL

STATE OF HAWAII
DEPARTMENT OF DEFENSE
OFFICE OF THE ADJUTANT GENERAL
FORT RUGER, HONOLULU, HAWAII 96816

June 30, 1977

Honorable George R. Ariyoshi
Governor of Hawaii

Dear Governor Ariyoshi:

Fiscal Year 1977 was another challenging and productive year for the Department of Defense.

Recruitment and retention of personnel were primary concerns for the Hawaii National Guard with many draft motivated individuals completing their terms of enlistment and leaving the organization. Reenlistment incentives, if approved by Congress, coupled with an intensive recruiting program, should alleviate the problem.

The Hawaii National Guard responded to the needs of the State this year when both Army and Air Guardsmen assisted county police in searching for and destroying marijuana plants on Maui and Kauai. Guardsmen were also put on State active duty to search for two individuals lost at sea while attempting to reach Kahoolawe.


Elements of the Army National Guard continued to strengthen their roundout relationship, working as an integral part of the 25th Infantry Division and proving the effectiveness of the "One Army" concept.

Within the Air National Guard, the 154th Tactical Fighter Group completed its conversion from the F-102A Delta Dagger to the F-4C Phantom aircraft. The active air defense of Hawaii, one of the Air Guard's missions, was significantly enhanced by this conversion. Also, the development of Air Guard units on the islands of Hawaii and Kauai progressed at a satisfactory rate.

State Civil Defense completed a comprehensive emergency plan to protect the city of Hilo from a lava flow. This plan was the culmination of much deliberation and forethought by those concerned with impending disasters in our State. In addition, Volume III of the State of Hawaii Plan for Emergency Preparedness was also completed.

The significant milestones achieved this fiscal year only serve to challenge us to higher standards of professionalism and service in Fiscal Year 1978.

Respectfully submitted,

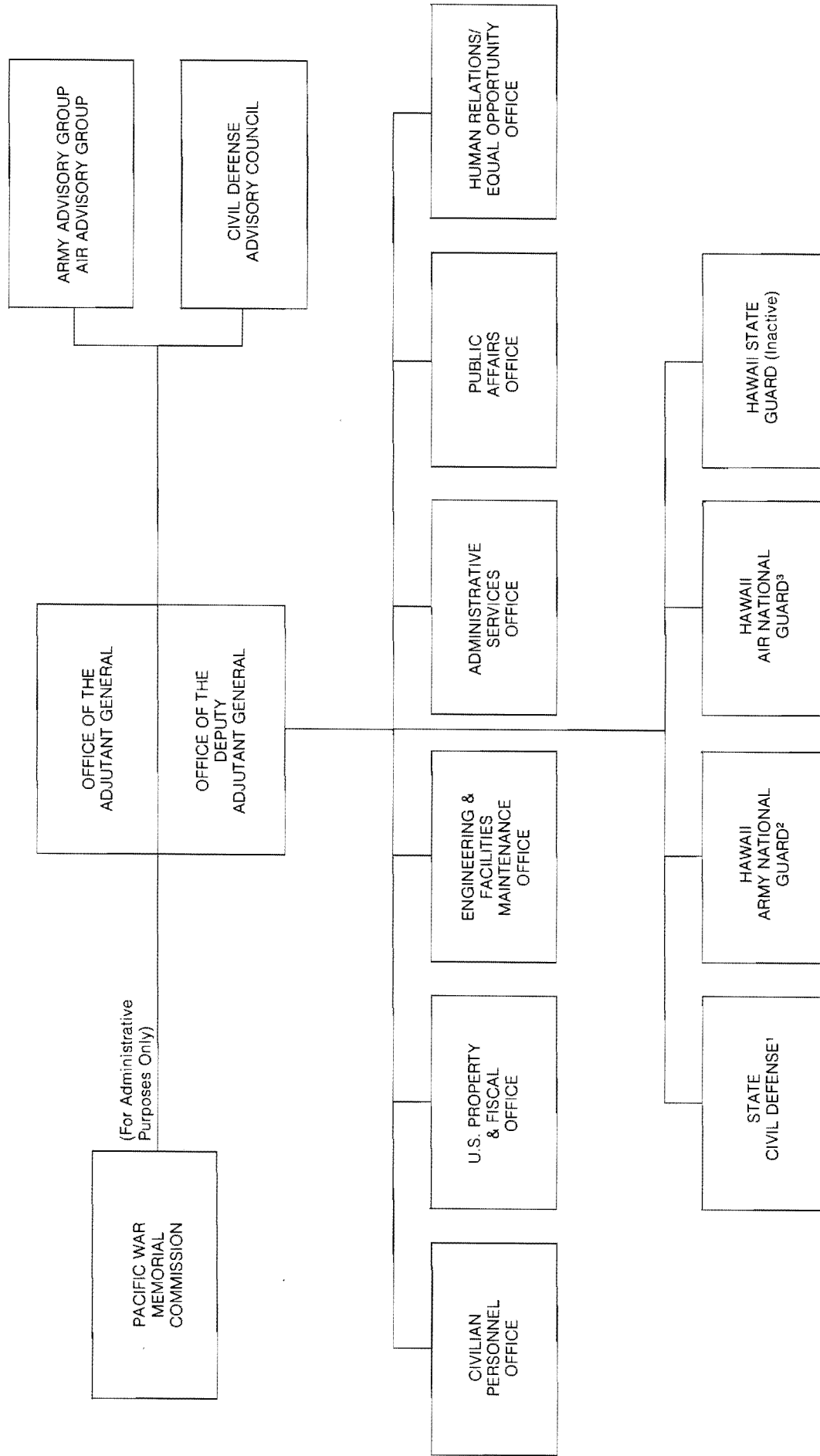

VALENTINE A. SIEFERMANN
Major General, HANG
Adjutant General



Major General Valentine A. Siefertmann
Adjutant General of Hawaii
Director of Civil Defense

STATE OF HAWAII DEPARTMENT OF DEFENSE

Organization Chart



¹Civil Defense Advisory Council serves as advisors to this division.

²Army Advisory Group serves as advisors to this division.

³Air Advisory Group serves as advisors to this division.

MISSION

DEPARTMENT OF DEFENSE

STATE OF HAWAII

The State of Hawaii's Department of Defense plans for and provides personnel to contribute to the defense, safety and welfare of the people of the State as may be necessary. The Department is prepared to take appropriate action in case of war and natural or man-made disasters.

Three divisions — Hawaii Army National Guard (HARNG), Hawaii Air National Guard (HANG), and State Civil Defense (CD) — make up the organization. The HARNG and HANG combined form the Hawaii National Guard (HNG). Additionally, the Pacific War Memorial Commission is assigned to the Department for administrative purposes.

The Department is headed by a single executive known as the adjutant general, who is commanding general of the HNG, director of CD, and a member of the Governor's cabinet.

There are three categories of Department personnel: full-time employees of the State, full-time employees of the Federal Government, and part-time members of the HNG who participate one weekend a month and for 15 consecutive days of training annually.

STATE CIVIL DEFENSE

State Civil Defense (CD) division coordinates the civil defense planning of all public and private organizations within the Islands.

Its mission is to minimize loss of life and property damage, restore essential public service, and expedite the recovery and rehabilitation of individuals in the event of natural disaster or mass casualty situations. In the event of nuclear war, CD provides for the welfare and safety of survivors, insures continuance of civil government, and mobilizes and manages the total resources and production of the State.

HAWAII NATIONAL GUARD

Dual Status

The Hawaii National Guard (HNG) is a military organization which constitutes a portion of the reserve components of the United States Army and Air Force. In normal circumstances, the personnel of the HNG occupy a dual status. They are members of the organized militia of the State of Hawaii, and, as such, are under the command of the Governor of Hawaii. At the same time, they are members of a reserve component of either the Army or the Air Force, and, in that capacity, can be ordered into active Federal service by the President of the United States for national emergencies. The term "Hawaii National Guard" refers to units of the organized militia 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 State mission is to provide personnel trained and equipped to function when necessary in the protection of life and property, as well as the preservation of peace, order and public safety as directed by competent State authority. The Federal mission is to provide the United States Army and Air Force with reserve units trained, equipped and ready for call to active duty by the President in a national emergency.



Mr. James T. McClellan
Vice Director of Civil Defense



Brigadier General
Frederick A. Schaefer III
Assistant Adjutant General, Army
Commander, HARNG



Brigadier General
Arthur U. Ishimoto
Assistant Adjutant General, Air
Commander, HANG

DEPARTMENT HIGHLIGHTS



HAWAII ARMY NATIONAL GUARD

During Fiscal Year 1977 (FY 77), the Hawaii Army National Guard (HARNG) reorganized its two infantry battalions, which increased the authorized strength by 74 spaces.

HARNG annual training was conducted during Aug. 7-21, 1976. All units met their training objectives.

The 111th Army Band, HARNG, along with four members of the Royal Guard, Hawaii Air National Guard, participated in the Presidential Inaugural Parade in Washington, D.C. on Jan. 20, 1977.

A helicopter crew was ordered to State active duty in March 1977. Its task was to assist the Kahoolawe Ohana organization in a search for George Helm and Kimo Mitchell, who were lost at sea while attempting to reach the island of Kahoolawe from Maui.

From June 1-5, 1977, the Hawaii National Guard assisted county police officials on Maui and Kauai in Operation Destroy. The mission was to search for and destroy marijuana plants. Utilizing National Guard equipment, a total of 46 Army Guardsmen and 2 Air Guardsmen successfully participated in the operation without any serious incidents. Results surpassed the expectations of police officials; 28,366 plants weighing 15.5 tons were recovered and destroyed. The State cost was \$19,566.71.

During FY 77, the roundout program featured a new concept whereby HARNG units were placed under the operational control of the 25th Infantry Division. The relationship between the HARNG and the 25th Infantry Division

is considered a model for other states to follow.

HAWAII AIR NATIONAL GUARD

The Hawaii Air National Guard (HANG) highlights for the fiscal year included two significant achievements: conversion of the 154th Tactical Fighter Group to F-4C aircraft and attaining mission-ready status as of June 1, 1977, and the fruitful gains of the HANG recruiting and retention program. At the end of June 1977, HANG strength was 1,709 personnel or 87.3 per cent of the authorized positions. The net gain in personnel numbered 83.

Problems in new construction, personnel changes and maintenance inadequacies hampered the achievement of significant programmed conversion milestones. Despite these obstacles, field training for the maintenance personnel was completed; aircrew transition training was completed in the continental United States; programmed supplies and major essential equipment were made available; and aircraft changeover and major facilities' modifications and construction were completed.

During December 1976, all HANG units were inspected for management effectiveness by gaining command inspection teams. All units received overall satisfactory ratings.

Pacific Air Forces continued to engage HANG units (150th and 169th Aircraft Control and Warning Squadrons and the 201st Combt Communications Group) in active Air Force roles in the Pacific area.



STATE CIVIL DEFENSE

The State and Hawaii County Civil Defense (CD) Agencies, in cooperation with the Commander-in-Chief of the Pacific, the U.S. Army, U.S. Air Force, Corps of Engineers, Hawaii National Guard and many other elements of government, completed the draft of a detailed State of Hawaii emergency plan to protect Hilo from a lava flow.

Mauna Loa volcano on the Big Island of Hawaii erupted in July 1975, and scientists at the Hawaiian Volcano Observatory reported that a major eruption may occur in the northeast rift zone some time in the near future.

During FY 77, State CD continued working on Federal and State assistance to Hawaii County for public property

damaged on Nov. 29, 1975, by an earthquake-tsunami (tidal wave).

The Federal Highways Administration has approved the State's request for \$1.5 million of Federal funds to realign the Big Island's Kaimu-Kalapana Road which was damaged by the 1975 earthquake.

In addition, the Federal Disaster Assistance Administration allotted an additional \$76,542 to the State for the repair and/or restoration of Big Island State-owned facilities damaged in the November 1975 disaster. The total Federal aid to repair public facilities damaged by the earthquake-tsunami has reached \$2,650,000.

FINANCIAL HIGHLIGHTS

STATE FUNDS EXPENDED

Department Administration	\$ 668,756
Hawaii Army National Guard	765,925
Hawaii Air National Guard	137,416
Civil Defense	208,657
Pacific War Memorial Commission	5,859
TOTAL	\$1,786,613

FEDERAL FUNDING SUPPORT

Federal Support to the Hawaii National Guard included:	
Support for Hawaii Air National Guard	\$16,263,700
Support for Hawaii Army National Guard	\$14,218,533

PUBLIC AFFAIRS OFFICE

Ms. Gail K. Warok
Acting Public Affairs Officer

The Public Affairs Office (PAO) administers and implements the Department's internal information, public information and community relations programs.

The PAO is staffed by a public affairs officer, an information specialist and a typist.

In accomplishing its mission, the PAO formulates programs to inform the public of departmental activities; coordinates local public affairs programs with other agencies; advises the adjutant general and other staff members of public affairs and news media practices; serves as a clearing house for questions about the Department from the media, the public, or other State and governmental agencies; prepares reports, photographs, and copy for offset lithography; and prepares graphic material for multi-media departmental presentations.

During the year, the PAO handled the release of information about events of major importance. The office also provided photographic support, both motion picture and still, to go along with the release of information.

The Department's main medium of internal information is the Pupukahi. This quarterly newspaper, paid for by State appropriated funds, is distributed to each member of the Hawaii National Guard, Department employees, and others who have an interest in the Department.

During FY 77, the PAO supported numerous community service projects involving both Hawaii Army and Air National Guard units.

In conjunction with the Hawaii National Guard recruiting program, the PAO developed and distributed public service advertising to the news media.



PACIFIC WAR MEMORIAL COMMISSION

Mr. Dennis A. Daugherty
Chairman

The Pacific War Memorial Commission (PWMC) was established by Act 288 of the 1949 session of the legislature to create and maintain a war memorial system. In furthering such purposes, the commission solicits gifts and contributions of money and property, and also secures the cooperation of local and national agencies and organizations which seek similar objectives.

The program objective is to enrich the lives of people of all ages by preserving, protecting and making a war memorial system accessible for appreciation and study.

The Pacific War Memorial system binds together several historical sites within the State of Hawaii. These include the USS Arizona Memorial at Pearl Harbor, the Disabled American Veterans (DAV) Memorial at Keehi Lagoon, the Gardens of the Missing Monument in Punchbowl crater and the Armed Forces Memorial at the State Capitol site.

The PWMC was instrumental in Senators Inouye and Matsunaga initiating legislation to fund new shoreside facilities at the USS Arizona landing site, including a museum and theater facilities. On June 30, 1977, a Senate-House conference committee authorized \$2 million for this purpose. The first phase of the construction will include building two theaters and improvements to the landing site. The balance will be completed as additional money is appropriated.

The PWMC has been working very closely with the DAV in implementing construction at the Keehi Lagoon Memorial site. On June 12, 1977, ground-breaking cere-



monies were held for the new building planned at this project. Future development of the Keehi Lagoon Memorial site will include landscaped surrounding grounds and a camping site for the youth of Hawaii.

The PWMC also maintains a carillon bell system at the National Cemetery of the Pacific at Punchbowl crater. The commission has been advised that the American Battle Monuments Commission will erect a monument to the memory of servicemen missing in action in Vietnam. This construction is planned to be on the rim of Punchbowl crater and will overlook Honolulu.

The PWMC acts as liaison in an advisory capacity to veterans' organizations. The completed projects have become important points of interest for residents and visitors alike.

Millions of people use these memorial facilities provided by the PWMC. This tremendous interest in the Pacific War Memorial system is expected to continue in the future.

The PWMC will continue to be involved in maintaining the present system and adapting to the needs of the State of Hawaii as the future dictates.

HUMAN RELATIONS/EQUAL OPPORTUNITY OFFICE

Maj. David B. N. Kaahaaina
Equal Opportunity Officer

The Human Relations/Equal Opportunity Office (HREOO) implements an equal opportunity program at the State level. This requires the development of a written plan of action covering short- and long-range goals. The plan is continuously reviewed and revised to account for new needs and problems.

The HREOO develops procedures to eliminate all forms of discrimination. It establishes and revises procedures to handle discrimination complaints. It also provides an equal opportunity program in supervisory management training.

Operating under U.S. Civil Service Commission guidelines, the HREOO administers the equal opportunity program for the technician work force of the Hawaii National Guard.

The HREOO is staffed by an equal opportunity officer and a clerical assistant. It is further augmented by 12 part-time counselors located throughout the Department.



The counselors informally resolve equal opportunity complaints and problems, and advise HREOO on potential equal opportunity problem areas.

A part-time Federal Women's Program coordinator (FWPC) provides assistance and advice on the expansion of employment and promotional possibilities for women. The FWPC also acts as a point of contact and liaison for activities specifically intended for women.

In FY 77, there were no formal complaints filed.

HAWAII ARMY NATIONAL GUARD

BrigGen. Frederick A. Schaefer III
Commander

PERSONNEL

Strength

The strength of the Hawaii Army National Guard (HARNG) at the end of FY 77 was 3,193 — a decrease of 268 from the strength at the end of FY 76. This fiscal year's strength represented 84.5 per cent of the authorized strength (3,778) for the HARNG. Although the HARNG enlisted 744 individuals during FY 77, the discharge of draft motivated members, whose term of enlistment expired, offset any accessions made. The authorized strength increased from 3,642 to 3,778 as a result of reorganization of certain HARNG units during FY 77. The main increases in authorized spaces were in the infantry units of the 29th Infantry Brigade (Inf. Bde.).

HARNG strength, by island, at the end of FY 77 was as follows: Oahu — 2,222, a decrease of 143; Hawaii — 614, a decrease of 59; Maui — 211, a decrease of 20; Kauai — 110, a decrease of 41; and Molokai — 36, a decrease of 5.

For a complete command and staff roster of HARNG units, see Plates I and II.

Officer Personnel

There were 264 commissioned officers in the HARNG at the end of FY 77 — a decrease of 10 from the end of FY 76. The authorized strength for officers at the end of FY 77 was 315. Sources of commissions were the U. S. Army Reserve, State and Reserve Component Officer Candidate Schools, and direct appointment from professional fields and from the enlisted ranks.

Warrant Officers

There were 85 warrant officers in the HARNG at the end of FY 77 — an increase of 8 from last fiscal year. The authorized strength for warrant officers in the HARNG increased from 97 to 100 as a result of unit reorganizations during FY 77.

Enlisted Personnel

There were 2,844 enlisted personnel in the HARNG at the end of FY 77 — a decrease of 266 from last fiscal year. During FY 77, total gains were 953 (enlistment and reenlistment - 744, transfers - 190, inactive - 19), while total losses were 1,219 (discharges - 1,005, transfers - 189, inactive - 25). Of the 1,382 individuals with expired enlistment terms, 797 extended their enlistment for an overall extension rate of 57.6 per cent. Among initial enlistees completing their six years of statutory service, the extension rate was 26 per cent for FY 77.

AWARDS AND DECORATIONS

Commanding General HARNG Trophy

The 1154th Transportation Company (Trans. Co.) was awarded this trophy for having achieved the highest percentage increase (70.6 per cent) in assigned strength for Calendar Year 1976 (CY 76). Capt. Frederick K. Robello commanded this unit.

Guardsmen of the Year Award

SSgt. Rudolph I. Dela Cruz, 1154th Trans. Co., was selected the most outstanding enlisted individual of the HARNG for CY 76.

HARNG Soldier of the Year Award

Sp4 Alvin M. Kyono, Company B (-Detachment 1) 1st Battalion, 299th Infantry (Co. B (-Det. 1), 1st Bn., 299th Inf.), was selected the most outstanding enlisted individual of the HARNG in the grade of E4 or below for CY 76.

Hawaii National Guard (HNG) Medal for Merit

This medal was awarded to the following individuals in FY 77 for exceptionally meritorious service rendered to the HARNG:

BrigGen. Edward M. Yoshimasu, HHC, 29th Inf. Bde.
(First Silver Kahili Device)

LtCol. Kerwin R. Keys, HIC

Capt. James S. Burns, HHD, HARNG

CSM Yoshinobu Kuwae, HHC, 1st Bn., 299th Inf.

SSgt. Alexander E. Carvalho, Co. B, 2d Bn., 299th Inf.



HNG Commendation Medal

This medal was awarded to the following individuals in FY 77 for meritorious and dedicated service rendered to the HARNG:

Col. Joseph L. Parlas, Jr., Army Readiness Element, USASCH
LtCol. Glenn L. Gilliam, HQ, USASCH
Maj. Vernon A. Campbell, Army Readiness Element, USASCH
Maj. Larry D. Walton, Army Readiness Element, USASCH
1stLt. Richard M. Matsumoto, Btry. C, 1st Bn., 487th Fld. Arty.
SSgtMaj. George M. Statler, Army Readiness Element, USASCH
MSgt. Yukimasa Tomono, HHD, HARNG
PlatSgt. Filemon M. Nanod, Det. 1, Spt. Co., 1st Bn., 299th Inf.
SFC Louis T. Stibbard, Btry. C, 1st Bn., 487th Fld. Arty.
SSgt. Franklyn L. Silva, Army Readiness Element, USASCH
SSgt. Gerald C. Wade, Spt. Co. (- Det. 1), 1st Bn., 299th Inf.
Sgt. Vernon D. Maxwell, Spt. Co. (- Det. 1), 1st Bn., 299th Inf.
Sgt. Howard E. Williams, Jr., Spt. Co. (- Det. 1), 1st Bn., 299th Inf.
Sp5 Jeffery A. Moses, Spt. Co. (- Det. 1), 1st Bn., 299th Inf.
Sp4 Clarence C. F. Chun, 12th Admin. Co.
Sp4 Alan S. Ichiriu, 12th Admin. Co.
Sp4 Michael M. Matsukawa, Spt. Co. (- Det. 1), 1st Bn., 299th Inf.
Sp4 Denis K. Takeshita, 12th Admin. Co.

Army Commendation Medal

This medal was awarded to the following individuals in FY 77 for meritorious service rendered to the HARNG:

LtCol. Kerwin R. Keys, HIC
LtCol. Tom T. Kimura, HHD, HARNG
Maj. George W. Makaea, Jr., HHD, HARNG
Maj. Roland B. Merson, Jr., HHC, 29th Inf. Bde. (2d Oak Leaf Cluster)
Capt. Joseph L. Carreira, Btry. C, 1st Bn., 487th Fld. Arty.
Capt. Edward R. Cruickshank, Spt. Co. (- Det. 1), 1st Bn., 299th Inf. (1st Oak Leaf Cluster)
Capt. Wayne I. Oride, HHC, 1st Bn., 487th Fld. Arty.
Capt. Walter H. Shiroma, HHC, 1st Bn., 487th Fld. Arty. (1st Oak Leaf Cluster)
1stLt. Richard M. Matsumoto, Btry. C, 1st Bn., 487th Fld. Arty.
2ndLt. Joseph J. Chaves, Spt. Co. (- Det. 1), 1st Bn., 299th Inf.
CW4 Herman C. Bliss, HHC, 29th Inf. Bde.
CW4 Thomas N. C. See, Jr., 12th Admin. Co.
WO1 Wendell A. Windham, 12th Admin. Co.
1stSgt. Wataru Hamamoto, Btry. B, 1st Bn., 487th Fld. Arty.
1stSgt. Danny K. Hisao, HHB, 1st Bn., 487th Fld. Arty.
MSgt. Hiroshi Ota, HHC, 2d Bn., 299th Inf.
PlatSgt. Stanley Emmsley, Co. C, 1st Bn., 299th Inf.
PlatSgt. James Kaolowi, III, Co. C (- Det. 1), 2d Bn., 299th Inf.



SFC Harry A. C. Apana, Jr., Svc. Btry., 1st Bn., 487th Fld. Arty.
SFC Ernest N. Chang, Jr., Btry. C, 1st Bn., 487th Fld. Arty.
SFC Shigeru Fujimoto, Det. 1, Co. C, 2d Bn., 299th Inf.
SFC Thomas A. Kida, 1154th Trans. Co.
SFC Jack K. Makuakane, Btry. B, 1st Bn., 487th Fld. Arty.
SFC Larry T. Oshiro, HHB, 1st Bn., 487th Fld. Arty.
SFC George Q. W. Tom, Btry. B, 1st Bn., 487th Fld. Arty.
SSgt. Fred C. DeBusca, Co. B (- Det. 1), 1st Bn., 299th Inf. (1st Oak Leaf Cluster)
SSgt. Daniel G. Peters, Jr., Det. 1, Co. B, 1st Bn., 299th Inf.
SSgt. Alfred K. Willis, HHC, 29th Inf. Bde.
Sgt. Lawrence S. Carvalho, Co. B (- Det. 1), 1st Bn., 299th Inf.
Sgt. Ferdinand W. Edralin, HHB, 1st Bn., 487th Fld. Arty.
Sgt. Robert N. Inouye, Btry. B, 1st Bn., 487th Fld. Arty.
Sgt. Glenn T. Sales, Spt. Co. (- Det. 1), 1st Bn., 299th Inf.
Sp4 Rudy J. K. Akina, HHB, 1st Bn., 487th Fld. Arty.
Sp4 Kini D. Alo, Btry. A, 1st Bn., 487th Fld. Arty.
Sp4 Norman L. Remigio, Svc. Btry., 1st Bn., 487th Fld. Arty.
Sp4 Craig S. Tsukayama, HHB, 1st Bn., 487th Fld. Arty.
Sp4 Bruce E. Van't Groenewout, HHC, 2d Bn., 299th Inf.
Pvt. Osovale P. Fiaseu, Btry. A, 1st Bn., 487th Fld. Arty.

TRAINING

Inactive Duty Training

HARNG units conducted 48 unit training assemblies during FY 77 on a one-weekend-per-month basis. Average attendance during each assembly was 85.3 per cent.

Additional training assemblies were conducted for selected individuals to conduct specialized training or to support training.

Annual Training (AT)

AT 76 for most units of the HARNG was held at the Pohakuloa Training Area (PTA) and Keaukaha Military Reservation on the island of Hawaii and at Schofield Barracks, Oahu, during Aug. 7-21, 1976. The Selective Service section, the 117th Public Information Detachment (Pub. Info. Det.) and the 111th Army Band performed AT on a year-round basis. The HHC, 297th Supply and Service Battalion (Sup. and Svc. Bn.) conducted AT at Yakima, Washington, during Aug. 14-28, 1976. The Hawaii Military Academy performed AT during July 17-31, 1976 at the Koko Head Armory, Oahu. All units met their training objectives.

Army Service and Area Schools

The Army National Guard school program is designed to qualify personnel for their military assignments.

During FY 77, 86 officers and 18 enlisted personnel attended courses of instruction conducted at U.S. Army service schools in the continental United States. In addition, 103 officers and 150 enlisted personnel attended courses of instructions at U.S. Army area schools at Schofield Barracks and Fort DeRussy, Oahu.

HAWAII MILITARY ACADEMY

Officer Candidate School

The Officer Candidate School (OCS) trains eligible warrant officers and enlisted personnel from the Army National Guard and the U.S. Army Reserve (USAR) to become commissioned officers in the reserve components of the United States Army.

Thirteen Class 15-77 graduates, who completed 12 months of intensive training in academics, leadership and physical training were: Urban T. Arakawa, Michael B. Buxton, Eugene C. Cabana, James A. Dunlap, Wesley P. Ferreira, George G. Ford, Terry L. Harlan, Ronald S. Katto, Joseph P. K. Kuamoo, Michael M. Miyamura, Peter T. Otani, Richard L. Pierce and Bruce D. Spear. They received their diplomas, rank and branch insignia during ceremonies held at the Hale Koa Hotel, Fort DeRussy, Hawaii, on June 26, 1977.

Graduates recognized and honored for outstanding achievement were: Michael B. Buxton, Honor Graduate Award; Bruce D. Spear, Leadership Award; Ronald S. Katto, Academic Award; Urban T. Arakawa, Most Improved Candidate Award; and Richard L. Pierce, Physical Training Award.

Non-Commissioned Officer School

The Non-Commissioned Officer (NCO) school provides training in small unit leadership and selected military subjects, and seeks to improve the professional quality of the NCO corps of the HARNG. The school, under the direction of an OCS commandant, is operated by the NCO tactical staff. The curriculum consists of approxi-



mately 130 hours of classroom work and practical exercises in general military subjects, weapons and tactics. Three classes are conducted each year — two of six months' duration and one during an intensified two weeks of annual training. Class 1-77 produced 28 graduates. SSgt. Harry C. Miller, Jr. was the distinguished graduate. Class 2-77 produced 23 graduates. This was the first NCO class with women in attendance, and the distinguished graduate was a guardswoman, Sp5 Johanna F. Duclayan. Class 3-77 produced 30 graduates. SSgt. Reginald K. Oka was the distinguished graduate.

ORGANIZATION

Organization of HARNG units remained the same as the previous fiscal year, with the exception of the two infantry battalions. The antitank platoons were reorganized with a more advanced missile weapon system replacing the 106mm recoilless rifle.

INSPECTIONS

General inspections of units and activities were conducted by the Inspector General, U.S. Army Support Command, Hawaii (USASCH). All units and activities were rated satisfactory (only satisfactory and unsatisfactory ratings are awarded).

MILITARY SUPPORT TO CIVIL AUTHORITIES

The HARNG plan to provide military support to civil authorities during natural disasters and civil disturbance emergencies was updated and published. Planning was also accomplished for the mission of military support during civil defense emergencies.

Helicopters and members of the Hawaii National Guard provided assistance to the counties of Kauai and Maui during June 1-5, 1977, to assist the county police in the eradication of marijuana cultivation.

ARMY AVIATION

The HARNG Army Aviation Support Facility (AASF), located at Wheeler AFB, was manned by 42 Guard technicians and provided maintenance support for 35 aircraft. It served as a base of operations for training 62 aviators and 32 enlisted crew members. It also housed the 293d Service Company (Aircraft Maintenance), parent organization for the facility. All HARNG aviation units utilized AASF for training purposes.

During Federal FY 77, HARNG aviators flew a total of 3,455 aircraft flying hours, or 102 per cent of the annual program. Operational ready status of 32 assigned aircraft was maintained at an average rate of 81 per cent during the same period.

HARNG aviators also provided helicopter support to the Hawaiian Volcano Observatory by transporting scientists and equipment to the top of Mauna Loa for surveys of the earth's surface.

29TH INFANTRY BRIGADE

The 29th Inf. Bde. is one of the HARNG's two major commands. Col. John E. Aiona, Jr., is the commander of the brigade.

The 29th Inf. Bde. is composed of combat (infantry and cavalry) and combat support (artillery and engineer) units. Units of the 29th Inf. Bde. and their locations are listed in Plate II.

A major organizational change occurred on Jan. 1, 1977, when the TOW (Tube-launched; Optically-tracked, Wire-linked) guided missile system was added to the infantry battalions. The TOW system is a vehicle-mounted or crew-portable, heavy antitank assault weapon. It is



effective against all known tanks, armored vehicles and fortifications. The TOW system can be effectively employed in all weather conditions. Two important features of this system are its mobility and simplicity of operation. TOW crews of the 29th Inf. Bde. are currently being trained and will complete gunner qualification examinations in AT 77.

With the addition of the TOW system and minor changes in personnel authorization, the authorized strength level of the 29th Inf. Bde. changed from 2,373 to 2,447. The brigade ended FY 77 at 81 per cent of its authorized strength, with a total of 1,974 personnel — 13 of whom were women.



Under the roundout program, the 29th Inf. Bde. will become the third brigade of the 25th Infantry Division (Inf. Div.) in the event of mobilization. MajGen. Willard W. Scott, Jr., 25th Inf. Div. commander, gave his full support to combat readiness training for the brigade. Each brigade unit is assigned a sister unit from the 25th Inf. Div. for training assistance. This roundout relationship is acknowledged to be one of the best in the Nation.

Highlights of the year's activities are as follows:

(1) During Aug. 7-21, 1976, the 227th Engineer Company (Eng. Co.), 1st and 2d Bns., 299th Inf. conducted AT at Schofield Barracks, Oahu. Troop E (Air), 19th Cavalry (Cav.) and 1st Bn., 487th Field Artillery (Fld. Arty.) conducted AT at Pohakuloa Training Area on Hawaii during the same period. Their main objective was to maintain operational readiness standards attained during the previous year. With 25th Inf. Div. personnel assigned as evaluators, the majority of the units successfully completed their operational readiness training tests.

(2) Troop E (Air), 19th Cav. underwent an intensive field training evaluation by the 3d Sq., 4th Cav., 25th Inf. Div. during AT 76 at PTA. This Army Training and Evaluation Program (ARTEP) was conducted to determine the effectiveness of training received throughout the year and to measure the unit's proficiency. The troop successfully completed the evaluation.

(3) The 29th Inf. Bde. staff as well as subordinate battalion staff members attended a one-week refresher course at the U.S. Army Command and General Staff College at Fort Leavenworth, Kansas, during February 1977. The participants were able to learn about the latest weapons, tactics and doctrine. They also participated in a Computer Assisted Map Maneuver System exercise which required command and staff actions under simulated tactical situations. Performance ratings were high for the participants.

(4) A TOW trainer course was provided by the 25th Inf. Div. in February 1977, for recently assigned TOW squad and section leaders of the infantry battalions. These participants were later used extensively to train other TOW personnel of the brigade.

(5) During April and May 1977, the 25th Inf. Div. conducted a combat leader course for battalion and company leaders of the infantry units. The course emphasized techniques of planning and supervising combat tasks at the platoon and squad levels. In addition, the combat leader course qualified them to instruct squad and team leaders in these tasks.

(6) During March 1977, the brigade headquarters participated in Tropic Lightning 2-77. This 25th Inf. Div. exercise emphasized tactical operations procedures, staff procedures, and communications aspects of command and control. Brigade units performed well and gained valuable experience working as part of the division.

(7) Training in water survival was conducted by the 3d Sq, 4th Cav. at Richardson Pool, Schofield Barracks, and at Kaneohe Bay, Oahu, during April 1977. The program was highly successful.

The readiness posture of the brigade has continued to improve over the past year. Because of extensive turnover of personnel during the year, small unit training was emphasized to build proficiency at company and battalion levels.

FY 77 marked the highest level of mission essential material on hand since the 29th Inf. Bde. returned from

active duty in 1969. Brigade equipment is comparable to that of the active Army, particularly in the area of maintenance.

The 29th Inf. Bde. received priority consideration for receipt of new sophisticated equipment, such as the TOW missile system and top-of-the-line Army helicopters.

Logistical support of the brigade is aimed at increasing efficiency and readiness. For example, the airlifting of ammunition by 29th Inf. Bde. helicopters from Oahu to Maui provided realistic training as well as logistical support.



HEADQUARTERS INSTALLATION COMMAND

Headquarters Installation Command (HIC) provides the command and control headquarters for combat service support (CSS) units of the HARNG. The HIC is commanded by Col. Alexis T. Lum.

There are 12 units in the HIC. Oahu armories are at Fort Ruger, Pearl City, Wahiawa, Waimanalo and Wheeler AFB. Units of the HIC and their location are listed in Plate II. Two companies, 229th Medical (Med.) and 829th Maintenance (Maint.), both roundout units, may be activated as part of the 25th Inf. Div. in the event of national emergency.

The mission of HIC includes training all personnel in vocational skills and preparing units for CSS during local domestic emergencies, natural disasters and national mobilization for war.

CSS activities include: receipting, storing and issuing supplies; repairing and rebuilding military equipment; maintaining vehicles, weapons, helicopters and sophisticated electronic gear; moving troops and cargo; providing medical care and evacuation; preparing and commanding an Army installation; and providing field services such as baking, laundering and renovating textiles.

Highlights of the past year for the HIC were as follows:

(1) HHC, 297th Supply and Service (Sup. and Svc.) Bn., participated in Brave Shield, during Aug. 14-28, 1976, at Yakima, Washington. This exercise tested the capabilities of active service and reserve units working



as a combined force in the field. The unit was evaluated as fully ready for combat, the highest rating achievable for a reserve component unit.

(2) AT was conducted for the remainder of the HIC units during Aug. 7-21, 1976, at Schofield Barracks. Units of the command provided service support to the 29th Inf. Bde. and the 25th Inf. Div.

(3) The 829th Maint. Co. was evaluated under the ARTEP and was given a rating of satisfactory. The unit

was one of the first National Guard combat service units in the U.S. to be tested under this program.

The inspector general, USASCH, inspected eight HIC units. All units passed the annual general inspection, and six of them were commended for their performance.

The HIC ended the year with a strength of 1,062 personnel or 94 per cent of authorized strength. The number of women in HIC significantly increased over the past year from 58 to 124.

PLATE I – PRINCIPAL COMMANDERS AND STAFF OFFICERS

ARMY NATIONAL GUARD

Assistant Adjutant General, Army/Commander HARNG
Brigadier General Frederick A. Schaefer III

Headquarters, Hawaii Army National Guard

Chief of Staff Col. Paul K. Nakamura
Executive Officer Col. Francis A. I. Bowers, Jr.
G1 Col. Saburo Ito
G2 Col. Ellsworth M. Bush
G3 Col. Melvin Alencastre
G4 Col. Solomon W. Kaulukukui
Inspector General LtCol. Charles C. R. Park
Staff Judge Advocate Capt. Raymond S. Iwamoto
Chaplain LtCol. Carl K. Kinoshita
Selective Service Officer LtCol. Norman F. Camara
HHD Commander Capt. Donald D. Orton

Headquarters Installation Command

Commander Col. Alexis T. Lum
Executive Officer LtCol. Philip L. King
S1 LtCol. George T. Honjiyo
S2/S3 LtCol. Michael S. Teruya
S4 LtCol. Edward C. Masuoka

Cdr, 297th Sup & Svc Bn LtCol. Earl N. Thompson
Cdr, 159th Svc Bn LtCol. Yoshiyuki Tahara
Cdr, 298th Engr Det Capt. Frederic W. Kleve, Jr.

29th Infantry Brigade

Commander Col. John E. Aiona, Jr.
Executive Officer Maj. Louis N. H. M. Miranda, Jr.
S1 Maj. George Takamiya
S2 Maj. Michael G. Taylor
S3 Maj. Roland B. Merson, Jr.
S4 Maj. John R. D'Araujo, Jr.
Cdr, HHC, 29th Inf Bde Capt. Robert R. Bean
Cdr, Trp E (Air), 19th Cav Capt. Bernard M. Watson
Cdr, 227th Engr Co Capt. Warren H. E. Lee, Jr.
Cdr, 1st Bn, 487th Fld Arty .. LtCol. Louis W. Perry, Jr.
Cdr, 1st Bn, 299th Inf Maj. Donald M. Oura
Cdr, 2d Bn, 299th Inf LtCol. Henry S. Hara

111th Army Band

Commander CW2 Jules D. Castro

117th Public Information Detachment

Commander Maj. Patrick K. Tobará

PLATE II — STATION LIST OF UNITS

ARMY NATIONAL GUARD

UNIT	STATION	DATE OF FED RECOG
HHD, HARNG	Ft Ruger, Hon, Oahu	9/9/46
111th Army Band	Ft Ruger, Hon, Oahu	9/10/46
117th Pub. Info. Det.	Ft Ruger, Hon, Oahu	5/1/60

HEADQUARTERS INSTALLATION COMMAND

298th Engr. Det.	Pearl City, Oahu	4/1/70
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159th Svc. Bn.

HHD, 159th Svc. Bn.	Ft Ruger, Hon, Oahu	5/3/48
12th Admin. Co.	Ft Ruger, Hon, Oahu	11/15/65
291st Maint. Co. (Hv Eq)	Waimanalo, Oahu	6/29/48
293d Svc. Co. (Acut Maint)	Wheeler AFB, Oahu	12/17/67
829th Maint. Co.	Ft Ruger, Hon, Oahu	9/30/46

297th Sup. & Svc. Bn.

HHC, 297th Sup. & Svc. Bn.	Wahiawa, Oahu	11/17/47
229th Med. Co.	Ft Ruger, Hon, Oahu	11/15/65
292d Sup. & Svc. Co. (DS)	Wahiawa, Oahu	12/15/47
329th QM Co.	Ft Ruger, Hon, Oahu	12/8/51
1154th Trans. Co.	Ft Ruger, Hon, Oahu	4/1/73

29th INFANTRY BRIGADE

UNIT	STATION	DATE OF FED RECOG
HHC, 29th Inf. Bde.	Ft Ruger, Hon, Oahu	1/4/54
227th Engr. Co.	Pearl City, Oahu	4/17/47
Trp. E (Air), 19th Cav.	Wahiawa, Oahu	12/17/67

1st Bn., 487th FA

HHC	Ft Ruger, Hon, Oahu	1/27/47
Btry A	Ft Ruger, Hon, Oahu	5/15/47
Btry B	Ft Ruger, Hon, Oahu	11/15/65
Btry C	Kaneohe, Oahu	9/29/47
Svc Btry	Ft Ruger, Hon, Oahu	1/22/72

1st Bn., 299th Inf.

HHC	Wailuku, Maui	10/22/46
Spt. Co.	Ft Ruger, Hon, Oahu	2/12/67
Det. 1, Spt. Co.	Kaunakakai, Molokai	3/10/47
Co. A	Ft Ruger, Hon, Oahu	9/15/47
Co. B (-Det. 1)	Kapaa, Kauai	10/28/46
Det. 1, Co. B	Hanapepe, Kauai	6/9/47
Co. C	Kahului, Maui	6/26/47

2d Bn., 299th Inf.

HHC	Hilo, Hawaii	10/8/46
Spt. Co. (-Det. 1)	Kealakekua, Hawaii	8/15/47
Det. 1, Spt. Co.	Hilo, Hawaii	6/1/77
Co. A (-Det. 1)	Keaau, Hawaii	11/12/47
Det. 1, Co. A	Pahala, Hawaii	5/4/47
Co. B	Hilo, Hawaii	5/5/47
Co. C (-Det. 1)	Honokaa, Hawaii	7/16/47
Det. 1, Co. C	Kapaau, Hawaii	7/13/47

PLATE III — SERVICE SCHOOLS COMPLETED

ARMY NATIONAL GUARD

OFF	EM	SCHOOL
1		National Defense University, Fort McNair, Washington, DC
1		Defense Race Relations Institute, Patrick AFB, FL
18		Command and General Staff College, Fort Leavenworth, KS
4	2	Defense Information School, Fort Benjamin Harrison, IN
	2	Academy of Health Sciences, Fort Sam Houston, TX
	2	Air Defense School, Fort Bliss, TX
3		Armor School, Fort Knox, KY
4	1	Aviation Center and School, Fort Rucker, AL
2		Engineer School, Fort Belvoir, VA
12		Field Artillery School, Fort Sill, OK
19	4	Infantry School, Fort Benning, GA
1		Inspector General School, Washington, DC
5	6	Institute of Administration, Fort Benjamin Harrison, IN

OFF	EM	SCHOOL
2		Military Police School, Fort Gordon, GA
1		Ordnance School, Aberdeen Proving Ground, MD
5	1	Quartermaster School, Fort Lee, VA
1		Transportation School, Fort Eustis, VA
1		Materiel Development and Readiness Command, Field Safety Activity, Charlestown, IN
6		California Specialized Training Institute, San Luis Obispo, CA
40	57	25th Infantry Division School, Schofield Barracks, HI
8		USAR School (4960), Fort DeRussy, HI
	38	NCO School, Hawaii Military Academy, Koko Head, HI
55	55	Unit School
189	168	



Hawaii Air National Guard

BrigGen. Arthur U. Ishimoto
Commander

PERSONNEL Strength

End-of-fiscal-year strength was 1,709 officers and airmen. This represented a net gain of 83 people during FY 77. Assigned strength was 87.3 per cent of the authorized 1,957.

Officer Personnel

Officer end-of-fiscal-year strength was 193, a net gain of 8 over the previous year. One warrant officer was assigned as in the previous year. Principal commanders and staff officers are listed in Plate I.

Enlisted Personnel

Airman end-of-fiscal-year strength was 1,516, a net gain of 75 over the previous year. Enlistments in the Hawaii Air National Guard (HANG) totaled 279. Of these, 125 were nonprior service people and 154 were prior service people. Discharges from the HANG totaled 204. The retention rate was 77.5 per cent, an increase of 5.4 per cent from the previous year, and 321 persons were retained in comparison to the previous year's figure of 418.

Women

There was a 75 per cent increase in women recruited into the HANG. The number increased from 80 to 107. Of these, 5 were officers and 102 were enlisted women.

Service Schools

All assigned basic military training and technical training spaces were obtained from the National Guard Bureau. See Plate III for service schools completed.

AWARDS

HANG Unit Attendance Trophy

The 154th United States Air Force (USAF) Clinic was awarded the semiannual HANG Unit Attendance Trophy for attaining the highest attendance percentage during Oct. 1, 1976-March 31, 1977.

Hawaii National Guard Commendation Medal

The Hawaii National Guard Commendation Medal was awarded to the following individuals in FY 77 for meritorious and dedicated service rendered to the Hawaii Air National Guard:

- LtCol. Dewitt C. Bye, 150th ACW Sq
- Maj. Thomas A. Haine, 199th TFS
- Maj. George E. M. Joy, Jr., 199th TFS
- Maj. George E. Kuroda, 199th TFS
- Maj. Thomas S. Shimabuku, 169th ACW Sq
- SMSgt. John O. Sierra, 169th ACW Sq
- MSgt. Howard Ward, 154th CAM Sq
- MSgt. George G. Wela, 154th Sup Sq (First Silver Kahili Device)
- TSgt. Harry M. Yamashita, 154th CAM Sq

ORGANIZATIONAL CHANGES

Aside from internal authorization changes within Headquarters (HQ) HANG, 201st Combat Communications Group (CMBTCG), 150th Aircraft Control and Warning Squadron (ACW Sq) and 154th Civil Engineering Flight (CEF), the organizational structure of HANG units remained unchanged.

The end-of-year authorized strength was 220 officers, 1,737 airmen: an aggregate of 1,957 and an increase of 96 over the previous year. See Plate II for a list of units.

AIR FORCE ADVISORS

The major gaining commands exercise USAF responsibility for ensuring the operational readiness of HANG units when mobilized. This responsibility is discharged on a daily basis by assigned Air Force advisors.

Col. Arlie R. Elliott continues his assignment as senior advisor for the air defense mission units. Three officers, five noncommissioned officer (NCO) technical advisors and one secretary were also assigned.



COMMUNICATIONS-ELECTRONICS

Ground communications-electronics (C-E) activities associated with the active air defense mission were evaluated by the inspector general, Pacific Air Forces (PACAF), from Dec. 3-9, 1976. The Management Effectiveness Inspection (MEI) report noted that C-E maintenance sections were providing excellent service and support.

During FY 77, three senior NCOs from the 150th ACW Sq and the 169th ACW Sq attended the Aerospace Defense Command's C-E Maintenance Management Course at Ent Air Force Base (AFB), Colorado. Twenty-three C-E maintenance technicians from the 201st CMBTCG, 150th ACW Sq and 169th ACW Sq performed their annual training at Sacramento Air Logistics Center, McClellan AFB, California. These technicians received invaluable depot level training on the repair of USAF electronics equipment.



OPERATIONS AND TRAINING

Inactive Duty Training

The air defense units performed single unit training assemblies (UTAs) during the year. This enabled the 154th Tactical Fighter Group (TFG) to focus its efforts on conversion to the F-4C aircraft. The ACW units utilized directed equivalent training periods which permitted a better equipment-to-personnel utilization ratio, thus maximizing the limited intercept training available.

The USAF introduced modified intercept tactics to complement the F-4C performance characteristics. This training requirement added to the conversion difficulties. Strong supervision and instruction were emphasized for both aircrew and weapons controller training programs to ensure achievement of goals in a safe manner.

Active air defense alert operations by F-102As were terminated on Oct. 22, 1976, and assumed by the F-4Cs. As of June 30, 1977, 18 formed aircrews were declared mission-ready (MR).

Combat communications units performed UTAs on two separate weekends per month. This allowed the Oahu-based units to perform their training and then support the newly formed neighbor island units with selected instructors on the following weekend.

The 326th Air Division (AD) conducted five exercises to evaluate HANG air defense capability and to effect air defense systems training. A unit level air defense exercise for the F-4C was held during December 1976, as well as deployment activity to Barking Sands, Kauai, in April 1977.

Annual Training (AT)

Air defense units performed their year-round-training on an individual and small-team basis to provide a better equipment-to-personnel ratio during the period of conversion.

An all-HANG encampment was held on June 13-17, 1977. All units participated with emphasis placed on increasing the live-in aspects of training for those units which had quarters and messing. The camp period was so successful that it is scheduled to be repeated next year.

The 201st CMBTCG participated in the all-HANG camp by providing ground controlled approaches (GCAs) at Barking Sands, Kauai, and installing and operating communications between the islands of Hawaii and Oahu. They also conducted a similar GCA operation at Barking Sands in February 1977.

Safety

In anticipation of the high accident potential involved in any aircraft conversion program, special command emphasis was directed to the safety program. An all-HANG safety conference and Safety Day further reinforced positive safety awareness principles. Some foreign object damage did mar the flying incident prevention program. However, strong management of the ground safety program resulted in 12 reportable accidents (compared to 19 in the previous fiscal period) and 55 lost workdays (compared to 161 lost in 1976).

ORGANIZATIONS

154th Tactical Fighter Group

The major highlight of the past year was the conversion from the F-102A Delta Dagger to the F-4C Phantom after 16 years of operation with the F-102A. Improved aircraft performance, newer state-of-the-art aircraft fire control system and air-to-air missiles of the F-4C will result in increased air defense mission capability. The added offensive capabilities of the F-4C brought a name change from fighter interceptor group to tactical fighter group.

At the beginning of FY 77, both F-102A and F-4C aircraft were maintained and operated with two F-102As continuing to remain on air defense alert, ready to scramble, intercept and identify any unknown aircraft penetrating the Hawaiian Air Defense System (HADS). After sufficient aircrews were trained in the F-4C, a single F-4C was placed on air defense alert on Oct. 22, 1976, and all F-102A operations were terminated. The 154th TFG was the last organization in the entire USAF to operationally employ the F-102A. On Jan. 22, 1977, the number of F-4C aircraft on air defense alert was increased to two. As of

June 1, 1977, sufficient aircrews were combat ready and the readiness posture of our F-4C aircraft had improved to the point that unit combat status capability was upgraded.

Eleven pilots completed their initial qualification (phase 1) in the F-4C Phantom at Air Force bases on the Mainland. Training consisted of flight simulator lessons, many hours of academics on aircraft systems, and 9 to 17 flying sorties. These 11 pilots plus the 16 who had completed their training earlier at Luke AFB, Arizona, and George AFB, California, completed the pilot checkout requirements.

Four locally recruited officers with navigator ratings who entered and completed combat crew training in the F-4C aircraft became qualified weapons system officers (WSOs). Combat crew training which lasted approximately seven months, was conducted at Homestead AFB, Florida, or Luke AFB, Arizona. Two other former Air Force navigators were recruited locally and completed WSO combat crew training at Luke AFB, Arizona.

Air-to-air refueling (AAR) is a requirement for all F-4C aircrews MR. Pilots received initial exposure in the checkout programs on the Mainland and resumed AAR in Hawaii in February 1977. A KC-135 tanker from the Maine ANG provided the first AAR sorties in the Hawaiian skies. Since then, other ANG KC-135 aircraft from Washington and Tennessee supported the AAR qualification program.

With the aircrews qualified in AAR, the 199th Tactical Fighter Squadron (TFS) became eligible to ferry ANG aircraft to Tainan Air Base (AB), Taiwan, during March - June 1977. The first part of the flight involved flying with a KC-135 tanker from Hickam AFB, Hawaii, to Guam. Then they departed Guam for Tainan AB where the aircraft was turned over to the Air Logistic Center Facility for its 60-day depot maintenance.



In March 1977, the 199th TFS had sufficient aircrews trained to be declared MR, the first step toward maximum combat readiness. By the end of June 1977, 18 pilots and 18 WSOs (18 formed crews) were fully trained to MR status. The ultimate goal will be reached when 12 to 14 more pilots and 8 more WSOs are upgraded to MR status in the Phantom.

During June 1977, the 154th TFG completed a very productive summer encampment. Maintenance generated 43 sorties during two days of an air defense exercise, and the unit ended the month with 180 sorties flown. This was the best flying month in the F-4C aircraft — a major milestone for the 154th TFG. It was also proven that the F-4C Phantom could operate from the dispersal base at Barking Sands, Kauai.

The F-102A total flying time for the year was 326.6 hours, and the F-4C total flying time was 1,804.9 hours. The C-7 flew 369.7 hours in support of the Hawaii National Guard and other government agencies. Additional F-4C aircraft were received to bring the total possessed up to 20. The 154th Consolidated Aircraft Maintenance Squadron (CAM Sq) placed emphasis on training part-time guardsmen on the F-4C. This was accomplished by both classroom and on-the-job training during weekend UTAs and periods of active duty for training. The unit successfully passed the first MEI with the F-4C in December 1976.

The 154th Civil Engineering Flight deployed a team of six tradesmen to the 201st Combat Communications Squadron (CMBTCS), Hilo, Hawaii, during November 1976 and June 1977, respectively. During these deployments, a new electrical lighting system was installed and building maintenance performed.

The 154th USAF Clinic performed a total of 678 physical examinations (214 periodic, 266 enlistment, 179 flight, 14 appointments and 5 service academy). The clinic also inoculated 63 per cent of the HANG personnel with the swine flu vaccination before the discontinuation of the program.

The 154th TFG assisted and conducted facility tours and provided static aircraft displays for visits by schools, community agencies, scouts and Civil Air Patrol units. For the sixth consecutive year, the 154th TFG was visited by 22 children and 3 advisors from the Alaskan Bureau of Indian Affairs Unalakleet Day School. The members of the 154th Supply Squadron again headed the project. Cultural interchange and lasting friendships resulted from this very worthwhile community service project.

The Royal Guard is a fraternal organization made up of Hawaii Air National Guardsmen. The members are equipped and uniformed in the likeness of the 1890 Royal Guard of King Kalakaua. Members must be of Hawaiian or part-Hawaiian extraction. They must be fluent in the use of the Hawaiian language and in performing military drills and ceremonies. The present purpose of the Royal Guard is to appear at "various official State functions and ceremonies and other public events which commemorate Hawaii's colorful heritage and past." Re-created by the HANG on Nov. 16, 1963, the unit will be observing its fourteenth anniversary in November 1977.

The Royal Guard made 23 appearances with 26 members participating. Highlights were: participation of four members in the Presidential Inauguration on Jan. 20, 1977, in Washington, D.C., and the dedication of the Prince Jonah Kuhio Kalaniana'ole Federal Building on June 24, 1977, with four members participating. Honored at the latter appearance was Mrs. Rosalyn Carter, the President's wife.

Overall assigned strength of the 154th TFG at the end of FY 77 was 100.4 per cent of authorized spaces, representing an increase of 7.4 per cent over the previous year. The overall retention rate was 73.7 per cent.

150th Aircraft Control and Warning Squadron

The 150th ACW Sq continued constant surveillance of the western sector of the HADS. In its fifteenth year of round-the-clock operation, the 150th ACW Sq played an important role as an air defense direction center (ADDC) in the HANG.

The squadron continued to perform its surveillance and control operations professionally. The ADDC detected and tracked 30,647 aircraft. The air weapons controllers conducted 2,382 intercepts utilizing HANG's new F-4C Phantoms. Squadron personnel also assisted eight emergency aircraft and provided two aircraft with navigational assistance.

System air defense training was accomplished by participating in 10 live air defense exercises and 97 simulated training missions. These live and simulated exercises provided the unit with realistic conditions of an air attack on the State of Hawaii.



169th Aircraft Control and Warning Squadron

The 169th ACW Sq completed its twentieth year of operation in the HADS and continued to maintain a high state of air defense readiness from its Mount Kaala AFS/Wheeler AFB complex. Highlights of the year were the collocation of the 326th AD's air defense direction center (ADDC) within the unit's facility and the passing of a MEI conducted by the inspector general, PACAF.

In October 1976, the 326th AD's ADCDC was relocated within the 169th ACW Sq's ADCDC. With collocation, the 169th ACW Sq took on the additional responsibility of displaying all air defense data required by ADCDC operation.

From Dec. 3-6, 1976, the IG, PACAF team conducted a MEI of the 169th ACW Sq. The team cited no finding and gave the unit a satisfactory rating.

Operational activity during FY 77 included the detection of 48,169 aircraft and conducting 3,309 intercepts. There were seven actual unknowns which required intercept for identification purposes. Additionally, 8 aircraft were given emergency assistance; 4 were given navigational assistance; and 376 were provided radar flight following assistance.

During the year, seven air defense exercises were conducted to maintain proficiency. Of these, one was a joint task force exercise; another was an expanded air defense exercise; three were system air defense exercises; and two were control phase exercises. There was also an alert force capability test. In addition, 88 system training missions (synthetic target exercises) were performed to supplement unit and system air defense proficiency training.

The 169th ACW Sq also continued to assist other service organizations. LtCol. Norman G. E. Chang, CMSgt. Richard K. Senaha and SMSgt. Deogracias Agbayani, Jr. augmented the IG, PACAF team in its inspection of a USAF unit in the Philippines. Unit personnel also augmented a Washington ANG unit in Brave



Shieldwise, the 150th ACW Sq had a net gain of two officers. At the end of FY 77, the assigned strength was 191 personnel, or 93 per cent of authorized spaces. The retention rate during the year was 79 per cent.

A change of command for the 150th ACW Sq took place on Nov. 21, 1976. LtCol. Raymond J. Moriguchi assumed command after the retirement of LtCol. Dewitt C. Bye.

SSgt. Lawrence A. Rego was nominated as HANG's representative in the USAF Outstanding Airman Program — 1977. SSgt. Rego joined the squadron in mid-1975 after serving in the U.S. Air Force. SSgt. Rego is an ACW radar repairman and is a highly skilled guardsman in his specialty.

Six personnel from the operations section participated in Brave Shield XIV, an exercise held during two weeks in August 1976, at Four Lakes, Washington. The 150th ACW Sq personnel were asked to augment the 105th Tactical Squadron in this joint services exercise.

Squadron participation in the community included a highway clean-up campaign, color guard representation at various public events, donations to the Blood Bank of Hawaii and Aloha United Way, maintenance of a local high school's baseball scoreboard, and orientation tours of Kokee Air Force Station (AFS) for many different organizations.

FY 77 was again a productive year for the 150th ACW Sq in mission accomplishment and community affairs.



Shield. LtCol. Herbert K. Nemoto and Maj. Paul H. Hashimoto participated as evaluators for Team Spirit in Korea. Pearl Harbor-based Navy intercept controllers continued to use the ADDC control scopes on a weekly basis to maintain their intercept proficiency. They conducted 907 training intercepts in this manner. The ADDC further provided intercept control and flight following for Kaneohe-based Marine F-4J attack aircraft. Unit weapons controllers conducted a total of 167 intercepts. The ADDC again supported Rim-of-the-Pacific 77, a multi-nation naval exercise conducted by the U.S. Navy.

Additionally, C-E maintenance training was provided to PACAF personnel enroute to new duty stations in Korea. AN/GPA-122 coder-decoder equipment classes were conducted during July 1976 and February 1977 by TSgts. Daniel Y. Komatsu and Harold T. Tasaka. Familiarization training was also given to a maintenance officer enroute to a USAF unit in the Philippines.

Unit weapons controllers and technicians participated in Cope Elite from Sept. 10 - Dec. 2, 1976, Feb. 10 - April 30, 1977, and May 2-29, 1977. This is a joint-services exercise and is conducted in support of the U.S. Army's Opportune Journey. The 169th ACW Sq performed the role of a control and reporting center within a tactical air control system. Tactical fighter aircraft deployed at Barbers Point Naval Air Station were provided radar control to and from the Pohakuloa Training Area. The exercise provided Hawaii-based U. S. Army units with realistic close air support training. The ADDC also provided these attack aircraft with 155 training intercepts.

201st Combat Communications Group

The 201st CMBTCG progressed well with its reorganization and relocation of two of its subordinate units during FY 77 — the 201st CMBTCS to Keaukaha Military Reservation, Hilo, Hawaii, and the 202d Air Traffic Control Flight (ATCF) to Kekaha, Kauai. New facilities are planned for both of the relocated units since they are presently occupying temporary HARNG facilities.

During FY 77, all of the subordinate units of the 201st CMBTCG participated in "mini deployments" during drills and full deployment during field training. The deployment sites were Mauna Loa, Diamond Head crater, Wheeler AFB, Mt. Kaala AFS and Barking Sands, Kauai. Since these deployments and living under field conditions were firsts for many of the personnel, they proved to be invaluable training experiences.

During FY 77, the units of the 201st CMBTCG continued to support the Air Force in various exercises with equipment and personnel. Forty personnel from the group participated in Team Spirit in Korea in March 1977. Also, communication teams performed duties to support the Air Force in the Far East, in such places as: Iwakuni, Japan; Kadena, Okinawa; Santo Tomas, Philippines; and Pago Pago, American Samoa.

Recruiting has been the prime objective for the units of the 201st CMBTCG. The 201st CMBTCS in Hilo increased its strength by 3 officers and 45 enlisted personnel during FY 77. The 202d ATCF in Kauai was able to enlist 80 per cent of its authorized strength. All other units located at Hickam have maintained an acceptable level of strength, but recruiting efforts will be intensified to offset any projected losses.



During FY 78, the 201st ATCF is programmed to be relocated to Kona, Hawaii, and the 201st Combat Communications Flight (CMBTCF) to Kahului, Maui.

199th Weather Flight

The 199th Weather Flight (Wea Flt) is one of 39 weather flights in the Nation, each of which has 13 members. The 199th Wea Flt has maintained 110 per cent of its strength throughout FY 77. Its mission is to develop and maintain the capability to augment the Air Weather Service when mobilized and to provide weather support to the HANG.

During FY 77, the 199th Wea Flt performed training at Hickam and Wheeler AFB weather stations under the total force policy. Approximately 50 per cent of the unit training was performed at these stations, while the remainder of the time was spent at the HANG weather office. Station duties included surface and upper wind observations, chart plotting and analyses, facsimile chart reproduction, terminal forecasting, weather satellite cloud interpretation, aircrew briefings, and area and terminal meteorology watch. The 199th Wea Flt personnel also gained valuable experience working on the Continental Meteorological Data System (COMEDS). This system, installed at Hickam and Wheeler base weather stations in February 1977, greatly streamlined the amount of weather data available to weather stations. The COMEDS is widely used in the continental United States.

PLATE I – PRINCIPAL COMMANDERS AND STAFF OFFICERS

AIR NATIONAL GUARD

Adjutant General
 Major General Valentine A. Siefertmann
 Assistant Adjutant General, Air/Commander HANG
 Brigadier General Arthur U. Ishimoto

HEADQUARTERS, HAWAII AIR NATIONAL GUARD

Chief of Staff LtCol. John S. W. Lee
 Director of Operations LtCol. Ritchie K. Kunichika
 Director of Logistics LtCol. Allen M. Mizumoto
 Aerospace Medicine Physician Col. Casimer Jasinski
 Air Weapons Director
 Staff Officer LtCol. William E. Mossman
 Executive Support
 Staff Officer LtCol. Kazuo Yamamoto
 Comptroller (DS) Maj. John I. Oshiro

HEADQUARTERS, 154th TACTICAL FIGHTER GROUP

Commander Col. James R. Ashford
 Deputy Commander
 for Operations LtCol. Kurt E. Johnson
 Deputy Commander
 for Logistics LtCol. Richard S. Furuno

199th TACTICAL FIGHTER SQUADRON

Commander LtCol. Edward V. Richardson
 Operations Officer LtCol. Gerald K. Sada

154th CIVIL ENGINEERING FLIGHT

Commander Maj. Cedric D. O. Chong

154th COMBAT SUPPORT SQUADRON

Commander LtCol. Richard M. Settsu

154th CONSOLIDATED AIRCRAFT MAINTENANCE SQUADRON

Commander LtCol. Norman C. Ault, Jr.

154th SUPPLY SQUADRON

Commander Maj. Gerald T. Morihara

154th USAF CLINIC

Commander LtCol. Walter W. Y. Chang

150th AIRCRAFT CONTROL AND WARNING SQUADRON (FIXED)

Commander LtCol. Raymond J. Moriguchi
 Air Weapons Director Staff
 Officer LtCol. Owen D. Ota

169th AIRCRAFT CONTROL AND WARNING SQUADRON (FIXED)

Commander LtCol. Donald M. O'Day
 Air Weapons Director
 Staff Officer LtCol. Nelson T. Moriwaki

199th WEATHER FLIGHT (FIXED)

Commander Maj. Wyman W. M. Au

HEADQUARTERS, 201st COMBAT COMMUNICATIONS GROUP

Commander Col. Kiyoshi P. Goya
 Deputy Commander LtCol. Leonard H. L. Young

201st COMBAT COMMUNICATIONS SQUADRON (TAB)

Commander Maj. David F. Howard

201st AIR TRAFFIC CONTROL FLIGHT

Commander Maj. Hon Ping Chee

202d AIR TRAFFIC CONTROL FLIGHT

Commander Maj. James N. Kurita

201st COMBAT COMMUNICATIONS FLIGHT

Commander Maj. David M. Rodrigues

202d COMBAT COMMUNICATIONS FLIGHT

Commander Maj. Ernest T. Shima

PLATE II – STATION LIST OF UNITS

AIR NATIONAL GUARD

UNIT	STATION	DATE OF FED RECOG	UNIT	STATION	DATE OF FED RECOG
HQ Hawaii ANG	Fort Ruger, Oahu	1/1/52	169th ACW Sq (Fxd)	Kaala AFS, Oahu	10/7/56
HQ 154th Tac Ftr Gp	Hickam AFB, Oahu	12/1/60	199th Wea Flt (Fxd)	Hickam AFB, Oahu	11/4/46
199th Tac Ftr Sq	Hickam AFB, Oahu	11/4/46	HQ 201st Cmbt	Hickam AFB, Oahu	
154th USAF Clinic	Hickam AFB, Oahu	12/1/60	Comm Gp		12/10/75
154th Cmbt Spt Sq	Hickam AFB, Oahu	7/20/63	201st Cmbt Comm		
154 Consld Acft			Sq (TAB)	Hilo, Hawaii	3/1/76
Maint Sq	Hickam AFB, Oahu	12/1/65	201st Air Tfc		
154th Supply Sq	Hickam AFB, Oahu	12/1/65	Con Flt	Hickam AFB, Oahu	10/13/67
154th Civil Engrg			202d Air Tfc		
Flt	Hickam AFB, Oahu	12/18/69	Con Flt	Barking Sands, Kauai	3/1/76
150th ACW Sq (Fxd)	Kokee AFS, Kauai	10/21/61	201st Cmbt		
			Comm Flt	Hickam AFB, Oahu	10/13/67
			202d Cmbt		
			Comm Flt	Hickam AFB, Oahu	10/13/67

PLATE III – SERVICE SCHOOLS COMPLETED

BASE & COURSE	OFFICER	AIRMEN	BASE & COURSE	OFFICER	AIRMEN
Aberdeen Proving Grounds, Maryland Preparation of Freight for Air Shipment		<u>4</u>	Ground Radio Communication Equipment Rprmn		8
		4	Electronic Warfare Systems SpecI		2
Brooks AFB, Texas Environmental Health SpecI		<u>1</u>	Flight Facilities Equipment Rprmn		3
		1	Radio Relay Equipment Rprmn		6
Chanute AFB, Illinois Chanute AFB, Illinois General Purpose Auto Transmission Maintenance		1	Administration SpecI		2
		1	Radio Operator		1
Aerospace Ground Equipment Mech		2	Telecommunications Control SpecI		2
Air Egress System Mech		1	Personnel SpecI		1
Jet Engine Mech		3	Air Traffic Control Radar Rprmn		1
Aircrew Life Support SpecI		4	AN/GRC-171 O/I Maintenance		2
General Purpose Vehicle Rprmn		4	Communication-Electronics Systems Staff Officer	<u>1</u>	<u>42</u>
Aircraft Electrical Rprmn		2		6	
Fuel SpecI		3	Lackland AFB, Texas ANG Recruiter		3
Aircraft Pneudraulic Systems Mech		1	Security SpecI		2
Metals Processing SpecI		1	Small Arms Special Training, Part I		1
Airframe Repair SpecI		1	Drug and Alcohol Abuse Control	<u> </u>	<u>1</u>
Aircraft Environmental Systems Mech		2			7
Automotive AC Electrical Systems		1	Lowry AFB, Colorado Fundamentals of USAF Safety Program		4
Maintenance Analysis SpecI		1	Munitions Maintenance SpecI		2
Fabric and Rubber Products SpecI		1	Weapons Mech		1
Weapons SpecI		1	Inventory Management SpecI		2
Maintenance Analysis Techn		1	Weapon Control Systems Mech		1
Aircraft Fuel Systems Mech		2	Cook		3
Special Vehicle Mech (Towing/Serviceing)		<u>1</u>	ANG Disaster Preparedness, Phase I		2
		33	Still Photographic SpecI		<u>2</u>
Cockeysville, Maryland Central Air Data Computer F/RF-4 Training		<u>1</u>			17
		1	Luke AFB, Arizona USAF Special Conversion, F-4	10	
Ent AFB, Colorado CEM Maintenance Management		<u>1</u>	USAF IP Upgrade Crs, F-4	2	
		1	USAF Operational Training Crs, F-4	<u>6</u>	
George AFB, California USAF Special Conversion, F-4		<u>2</u>		18	
		2	Mather AFB, California Undergraduate Navigator Training	<u>4</u>	
Hickam AFB, Hawaii Weapons Systems Officer Proficiency, F-4 Pilot Proficiency Training, F-4		4		4	
		<u>2</u>	McGhee Tyson Airport, Tennessee Academy of Military Science		7
		6	ANG NCO Academy, Phase I		6
Holloman AFB, New Mexico USAF Fighter Lead-in Crs		<u>6</u>	ANG NCO Academy, Phase II		2
		6	ANG Leadership School, Phase I		5
Homestead AFB, Florida Water Survival Training		<u>6</u>	ANG Leadership School, Phase II		5
		6	Seminar for Direct Commission Officer	<u>1</u>	
Keesler AFB, Mississippi Aerospace Control and Warning Operator (Manual)		1		1	25
Communications Maintenance Officer	1	1	Nellis AFB, Nevada Electronic Warfare Penetration Aids and Tactics	<u>1</u>	
C-E Systems Management III	2			1	
C-E Systems Engineering II	1		Norton AFB, California ANG Accident Prevention Crs		1
C-E Systems Employment I	1		Flight Safety Officer	<u>1</u>	
Air Traffic Control Operator		6		1	1
Avionic Inertial and Radar Navigation Systems SpecI		1	Peterson AFB, Colorado CEM Maintenance Management	<u>1</u>	
CEM Quality Control Procedures		1		1	

BASE & COURSE	OFFICER	AIRMEN
Richards-Gebaur AFB, Missouri		
Tactical Frequency Management	<u>1</u>	
	1	
Sheppard AFB, Texas		
Dental Spec1		1
Airman Comptrollership		3
Aircraft Maintenance Spec1,		
Jet Acft 1 & 2 Eng		5
Telecommunications Center Spec1		1
Electrical Power Production Spec1		6
Medical Administrative Spec1		1
Refrigeration and Air Conditioning Spec1		5
Operating Room Spec1		1
Corrosion Control Spec1		1
General Accounting Spec1		1
Communications & Relay Center		
Equipment Rprmn, E/M		1

BASE & COURSE	OFFICER	AIRMEN
Computer Operator		1
Outside Wire and Antenna		
Maintenance Rprmn		1
Carpentry Spec1		2
Protective Coating Spec1		<u>1</u>
		31
Tyndall AFB, Florida		
AFR 3-16 Tactics Training	3	
F-4, Air Defense Employment	2	
Weapons Controller (Manual)	<u>2</u>	
	7	
TOTALS	60	163

STATE CIVIL DEFENSE



Mr. James T. McClellan
Vice Director

ORGANIZATION

Upon the declaration of a major emergency, State Civil Defense (CD), headed by the director (who is also the adjutant general of Hawaii), becomes the nucleus of an emergency State headquarters in direct support of the Governor. That headquarters coordinates and directs all government, business, community and individual actions and activities throughout the State.

Each of the State's four counties has a CD Agency, headed by a deputy director (the county mayor), and is operated by an administrator and his staff.

Normal CD operations are carried out by regular staff members. However, in the event of a national emergency, State CD's functions would be administered by seven branches. Five branches — Administration, Intelligence, Operations, Logistics and Communications — are headed by State CD staff officers.

The remaining two branches are headed by directors of State government departments. The Health and Medical Branch is headed by the director of the Department of Health, and the Emergency Welfare Branch is headed by the director of the Department of Social Services and Housing. In addition, the Departments of Budget and Finance, and Accounting and General Services provide fiscal services. The operational activities are supported by the Emergency Resources Management Agency (ERMA), composed of government, business, industry and labor leaders. All State agencies and many Federal agencies also share this CD responsibility.

In the private sector, State CD coordinates the efforts of the American Red Cross, Salvation Army and church groups in providing disaster assistance. State CD also gives program direction and Federal funds to the four county CD Agencies.

State CD reviews and approves long-range and annual programs for each county, and makes appropriate recommendations to the Federal Region Seven Office of the Defense Civil Preparedness Agency (DCPA).

In consonance with the national CD plan, State CD supervises and coordinates efforts of the State and counties, and insures that operational instructions are disseminated to all levels.

State CD also reviews and approves county CD staffing patterns, applications for Federal funds, and project applications for State and Federal natural disaster support.

PERSONNEL

Full-time State CD staff members during FY 77 included the director, vice director, intelligence and education officer, administrative officer, economic resources mobilization officer, plans and operations officer, radiological defense officer, communications officer, two radio technicians, public information specialist, communications specialist, disaster assistance planner, assistant disaster assistance planner, nuclear civil protection planner, radiological electronics technicians, secretary and four stenographers.

MajGen. Valentine A. Siefertmann, the adjutant general, continued serving as State director of CD. James T. McClellan was appointed State vice director of CD on Oct. 1, 1976, replacing John N. Butchart, who retired.

Dr. George Pararas-Carayannis, tsunami specialist with the National Weather Service and director of the International Tsunami Information Center, continued to serve as State tsunami advisor.

The State CD Advisory Council continued to counsel the director and vice director on emergency preparedness and assistance matters. Francis Y. Sugai was reappointed to the council on June 23, 1977. Mrs. Jeanne B. Johnson continued serving as chairman of the council. The other members remained the same.

In July, Jack Kellner became the director of the State Emergency Broadcast System (EBS), formerly called Civ-Alert, replacing James T. Ownby. The State EBS director is jointly appointed by State CD and the Hawaii Association of Radio and Television Broadcasters.

Mrs. Frances K. Dias continued as Region Seven director of the Federal DCPA, and Robert C. Stevens continued as Region Nine director of the Federal Disaster Assistance Administration (FDAA).

CIVIL PREPAREDNESS PROGRAMS

Natural Disaster

Possible Volcanic Eruption: The Hawaiian Volcano Observatory has reported that scientific data indicate a pattern of volcanic activity characteristic of an early major flank eruption. The possible major volcanic eruption on the northeastern slopes of Mauna Loa may pose a threat to the city and port of Hilo. Predicted to occur by mid 1978, the eruption still remains a possibility.

Therefore, a State plan has been drafted which involves Federal, State and county agencies in a coordinated emergency operation designed to delay and divert a lava flow heading towards Hilo. It provides for the delivery of aerial ordnance, the construction of lava diverting barriers and the delivery of lava cooling water sprays. Tests have been conducted that prove the efficacy of these methods to divert and delay a lava flow.

Participating governmental agencies and the construction industry have been delegated emergency response actions in the event of such a lava flow.

Drought Situations: State CD established Inter-agency Drought Committees on Maui and Hawaii to deal with the drought conditions in these counties. The committees were comprised of Federal, State and county agencies with programs related to water, agriculture and disaster assistance. Their purpose is to survey the effect of drought conditions on people and resources, to evaluate short- and long-term impact, and to recommend remedial measures. A positive program was set up which further defined the roles of the participating agencies.

Fire Suppression Conference: State CD conducted a Federal-State conference on wildland fire suppression on May 11, 1977. Representatives of the FDAA, U.S.D.A. Forest Service and the State Forester's staff attended. Procedures were established to implement the Federal-State Fire Suppression Agreement which provides Federal funds for costs incurred in fighting widespread wildland fires.

High Surf, Nov. 12, 1976: High surf, generated by an intense storm about 1,800 miles northwest of the Islands, struck homes and other property on Oahu, Kauai, Maui



and Molokai. The National Weather Service had issued high surf weather statements and warnings well in advance. In addition, State CD issued a special warning through the news media.

On Kauai, the Kauai County CD Agency was activated. The surf hit hard at the Haena and Wainiha areas, forcing people to evacuate their homes. In addition, boulders were swept by the surf onto the Kekaha Road, making it necessary to close the road.

On Oahu, the City and County of Honolulu's Oahu CD Agency was activated. The big surf began hitting the North Shore at approximately 2:30 a.m. Police notified the residents.

One hundred people evacuated their homes. The Oahu CD Agency, with the assistance of the American Red Cross and the Seventh-day Adventists Church, opened three emergency shelters on the North Shore.

No one was killed, but one home was knocked off its foundation near Sunset Beach. Two other homes in the same area received damage to their carports, furniture and personal effects.

On Maui, the Maui County CD Agency was activated and reported damage to three homes, but the families were safely evacuated.

On Molokai, the airfield at Kalaupapa was closed temporarily due to the high surf.

High Surf, Nov. 25 and 26, 1976: High surf generated by an intense storm about 900 miles northwest of Hawaii hit the Islands. The National Weather Service issued a special watch and then a warning to the news media concerning the high surf. The surf on Kauai and Oahu reached heights of 25 feet. Fortunately, there were no lives lost or property damaged, except for some beach erosion on Oahu. CD officials closed the beaches and beach roads when the surf was at its highest point.

Tsunami Watch, April 20, 1977: Hawaii's State and county CD officials went on a tsunami watch due to a major earthquake measuring 7.5 on the Richter scale. The earthquake occurred in the vicinity of Guadalcanal in the Solomon Islands at 6:24 p.m. Hawaiian Standard Time (HST). The International Tsunami Information Center's Honolulu Observatory issued the watch at 7:30 p.m.

State and county CD personnel manned their Emergency Operating Centers (EOCs) during the watch and answered numerous calls from the public and the news media. It was stressed that a watch is not a warning, but only the first indication that the possibility of a tsunami exists.

Progress reports from Fiji and the Philippines indicated little wave action. With this input and other scientific considerations, the watch was cancelled at 10:20 p.m. HST.

Flash Flood Warning, May 12, 1977. A flash flood warning issued at 5:30 p.m. placed both the Hawaii State and Oahu County CD Agencies on alert. The flood warning was issued first for the island of Oahu and was later extended to Maui and Molokai.

MajGen. Siefertmann put the Hawaii National Guard on standby alert in the event they would be needed to evacuate people. Warnings were also issued to the news media by both the National Weather Service and State CD.

Since heavy rains were pounding Oahu, particularly on the Windward side, the Oahu CD Agency opened a shelter at the Kailua Intermediate School. No part of Oahu was spared. Flooded roads and slow traffic were reported on various parts of the island. A mudslide on the Pali Highway blocked two lanes of traffic until State Transportation crews could remove the debris.

The extremely heavy rains started to subside about 8:30 p.m. Fortunately, only a few homes, an office and a store were reported flooded. Oahu residents reported some retaining walls gave way and mudslides descended into their yards. As the rains eased, the Weather Service cancelled the warning at 9:00 p.m.

Hurricane Watch, Sept. 28, 1976: A watch was issued by the National Weather Service for the island of Hawaii when Hurricane Kate veered toward the Islands. The watch was cancelled when Kate was downgraded to a tropical storm.

Man-Made Disaster

Oil Spill, Sept. 16 and 17, 1976: The Kauai County CD Agency reported that oil was polluting sand beaches on the northern shore of Kauai between Kapaa and Anahola. The bulk of the oil globs was heavily concentrated along Aliomanu Beach.

The Kauai CD director worked closely with the U.S. Coast Guard in the removal of the debris. He reported the substance had formed circular cakes, from one to five inches in diameter. The incident was described as a nuisance rather than a major oil spill.

Communications

State CD operates and maintains all of the State government's emergency communications facilities for both intrastate and interstate systems. This includes "hot-line" telephone, radio, teletypewriter and emergency broadcast networks.

During FY 77, State CD Communications assisted the counties and other State departments with consultant services to obtain disaster preparedness and public safety telecommunications. Frequency coordination services were provided for 65 new transmitters throughout Hawaii.



Some telecommunications projects, in progress or accomplished during FY 77, were the completion of a microwave radio system between Diamond Head and the Municipal Building; a detailed study of the State government's growing telecommunications resources, costs and management problems; and the successful shakedown of the new radio-controlled CD warning siren system on Oahu.

Engineering, procurement or operations advice was provided to many State agencies to expand or improve telecommunications. In addition, technical assistance was provided to the four county police departments. The value of these projects totaled \$353,462.

A communications and electronics maintenance facility, operated by State CD, serviced a wide range of telecommunications equipment throughout the State. New and proposed communications and warning equipment for the State and counties were tested here.

It is necessary to continually replace worn-out sirens. The engineering, purchase and installation of the CD warning siren system is accomplished by the State. Siren control line rentals are paid by the State, while the maintenance and power costs are borne by the county governments. There are currently 212 warning sirens throughout the State. During FY 77, 22 new sirens were installed, 15 replaced and 2 relocated.

Warning and communications programs are supported by 50 per cent Federal matching funds.

Plans related to both State and county EBS have been developed to broadcast emergency information to State and county operational area levels. Also, the monthly siren and broadcast test time was changed from 11:00 a.m. to 11:45 a.m. on the first business day of each month.

In cooperation with the University of Hawaii, the State completed the installation and inspection of all twelve tsunami seismic triggers installed throughout Hawaii. These triggers provide rapid warning for locally generated tsunamis.

Disaster Assistance

State CD requested, coordinated and administered approximately \$1,150,000 in Federal funds following the Presidential declaration of a major disaster in the Nov. 29, 1975, tsunami-earthquake on the Big Island.

Federally funded disaster repair/reconstruction projects included over 100 line-items of work, involving such public facilities as roads, government buildings, schools, water systems, sewers and pier installations.

In addition, the Federal Highway Administration approved a \$1.5 million State project for the realignment of the Kaimu-Kalapana road. A temporary causeway was constructed with Federal funds to restore access to the Kaimu-Kalapana area until the realignment project was completed.

In December 1976, the disaster assistance planning team, established under a 100 per cent Federally funded contract with FDAA, completed the first year of a three-year planning program. The planning team consists of a disaster assistance planner, assistant disaster assistance planner and a clerk-stenographer.

The planning team also revised the State of Hawaii Plan for Emergency Preparedness, Volume III, "Disaster Response and Assistance."

Public Information and Education

State CD issued news and photo releases about natural disasters (including warning, operations and assistance), nuclear preparedness, and other facets of the CD mission.

During FY 77, over 10,000 publications on civil preparedness and disaster relief were distributed to the public, the news media and government agencies.

CD films were on loan during the year. Also, the Hawaii CD Journal and State CD newsletter continued to be published bi-monthly.

Emergency public information was maintained for use during natural disasters, international crisis and nuclear attack.

The public information program emphasized the Federal, State and county CD missions, as well as the emergency survival procedures for various hazards.

Distribution of public safety posters on tsunamis, earthquakes, flash floods, hurricanes and killer currents received special emphasis under the State's civil preparedness program.

Training

About 30 people, including CD administrators, district coordinators and members of the State and regional staffs participated in a Statewide seminar held in Kahuku, Oahu. Mrs. Frances K. Dias, director of Region Seven, Federal DCPA, presented the future plans of Region Seven for 1977. Other presentations were given by members of the State CD staff.

Local disaster training courses and workshops were conducted on Oahu, Maui, Molokai and Kauai. These courses were followed by simulated exercises to test plans and procedures.

The State CD staff assisted the Oahu CD Agency in preparing and conducting a nuclear and communications exercise. The exercise accomplished its goal in training CD districts and staffs on Oahu. There were 201 participants.

Eighty-one people completed the CD radiological monitoring course during the year.

Approximately 600 people participated in a simulated jet plane crash, designed to test the operational response of numerous agencies. The two-hour drill was held at Honolulu International Airport on Dec. 14, 1976. It required coordination of numerous agencies (ambulances, hospitals, firemen, police, the military, etc.) to provide for the emergency care of many "casualties."

Resources Management

The Emergency Resources Management Agency (ERMA) seeks to conserve the State's essential resources during an emergency period by allocating these resources on a priority basis.

The 11 ERMA divisions, each concerned with a particular resource area, also assess the impact of major strikes or natural disasters and recommend remedial action to alleviate their effects.

The counties of Kauai, Hawaii and Maui appointed new directors for their county ERMAs and held organizational meetings to review and revise their emergency management procedures. The City and County of Honolulu and the State ERMAs have combined to facilitate emergency coordination of common resources. Approximately 85 per cent of the State's resources are located on Oahu.

Federal Surplus and Excess Property

The Federal Surplus and Excess Property Program continued to provide items of equipment to State CD and the four county CD agencies. Equipment obtained included water pumps and accessories, trucks, tractors, liquid storage tanks, trailers, forklifts and communications equipment. The total original value of donated items for the year was \$109,029.69.

Use of Department of Defense excess property in an emergency services program is provided by the Contributions Project Loan Program through DCPA. Items on loan include generators, floodlight units, cargo trailers, alpha counters, water pumps and communications equipment. The total property value of equipment involved in this program is \$266,300.





Nuclear Preparedness

Presently our national policy regarding protection of our people in the event of nuclear war is to relocate the occupants of high risk areas to low risk areas. The program is called Crisis Relocation Planning. A three-year program, supported by Federal funds, is presently underway to develop and coordinate such a plan for Oahu. Initial planning and study is focused on the transportation requirements, capabilities and availability under emergency conditions to move individuals from Oahu to low risk areas on the islands of Hawaii and Kauai. If all the problems are resolved, it is estimated that 180,000 individuals could be moved in a 72-hour period. By the end of FY 77, the study was 50 per cent completed, and a rough plan was in draft form.

Planning for the renovation of Birkhimer Tunnel, the State EOC in Diamond Head crater, for day-to-day use was temporarily suspended because of lack of funds. The project will be reactivated in FY 78 with an anticipated completion date of October 1978.

A conference was held for CD coordinators from State government who have emergency responsibilities. These emergency responsibilities were reviewed and updated for inclusion in the State plan on emergency preparedness.

Disaster Shelter

The Statewide inventory of fallout shelter spaces was increased to 1,150,000 spaces by engineer surveys completed during FY 77. These shelter spaces will provide protection for our people against lethal radioactive fallout following a nuclear attack.

They are located in 1,570 facilities comprised primarily of massive concrete structures, but also including lava tubes, caves and tunnels. Approximately half of the total facilities, containing 400,000 spaces, would provide some protection against nuclear weapon heat and blast effects.

Shelter surveys on Oahu employed the "all risk" criteria, which analyzes the capability of the shelter to protect against natural disaster hazards. There are approximately 300 of these facilities on Oahu.

Radiological Defense

State CD maintains a radiological program for peacetime nuclear accidents and incidents, as well as nuclear attack.

During FY 77, tests of all radioactive materials under the control of State CD indicated that no removable contaminants were present. All authorized users of these materials are trained in their proper care and use. All radioactive materials are kept in containers with ample shielding to protect the user from the radioactive radiation hazards.

The Nuclear Regulatory Commission conducted its periodic inspection of radioactive materials used by State CD. The inspection included examination of equipment, facilities, review of records, personnel qualifications, signs posted, safety procedures, and the storage and location of all materials. It also checked the actual use of materials in a training situation. It was found that State CD had no infractions of the rules.

UNITED STATES PROPERTY AND FISCAL OFFICE

Col. Daniel K. C. Au
U.S. Property and Fiscal Officer

MISSION

The United States Property and Fiscal Office (USPFO) provides Federal property to the Hawaii National Guard (HNG), accounts for such property, conducts purchasing and contracting activities, provides transportation and fiscal support, and maintains adequate records to accomplish these responsibilities.

ORGANIZATION

Four divisions comprise the USPFO — Administrative, Logistics, Comptroller and Maintenance.

The USPFO is staffed with 54 full-time technicians. Additionally, the comptroller and the chief of supply and service for the Hawaii Air National Guard (HANG) are designated assistant USPFO for Air (Fiscal) and assistant USPFO for Air (Property), respectively.

ADMINISTRATIVE DIVISION

This division performs all administrative services in support of USPFO operations. Support includes maintaining a centralized filing system and records management, distributing technician pay checks, reproducing and disseminating publications, and providing secretarial and stenographic services. The Administrative Division is further divided into Automatic Data Processing, Examination, and Purchasing and Contracting Branches.

Automatic Data Processing Branch

This branch provides data processing services to the Logistics and Comptroller Divisions in stock accounting and reporting, fiscal accounting and reporting, and technician and military payroll processing. In addition, service is provided to the Civilian Personnel Office, State Maintenance Office, and Headquarters, Hawaii Army National Guard (HARNG).

Examination Branch

This branch consists of a supervisory accounting technician and three examiners. They are responsible for insuring that fiscal and logistics policies are being carried out according to regulations. All HARNG and HANG units and activities receiving Federal property and funds are examined annually. Eighty-seven annual and special examinations were made during Federal FY 77. Additional visits were made to provide logistical support to all major units and activities of the HARNG.

Purchasing and Contracting Branch

This branch provides procurement services for activities of the HNG. Procurement of supplies and services (including construction) is made by formal advertisement or by negotiation in accordance with Armed Services Procurement Regulations. For Federal FY 77, procurement actions included the United Kingdom, continental United States (CONUS), and the islands of Oahu, Maui, Kauai, Molokai and Hawaii. Table I depicts distribution of procurement action.

LOGISTICS DIVISION

This division provides logistical support and guidance to 57 units and activities of the HARNG. This division is responsible for the acquisition, storage, inventory, accounting, distribution, evaluation and disposition of property assigned to the HARNG. It supports both the HARNG and HANG in the movement of equipment and personnel. The Logistics Division is divided into the Supply Management, Storage and Distribution, and Transportation and Traffic Management Branches.

Supply Management Branch

Federal funds used to purchase Federal FY 77 equipment and supplies for HARNG units were:

Clothing and uniforms	\$ 62,755.02
Subsistence	284,337.76
Operation and maintenance of equipment and facilities	815,933.74
Total Expenditure	\$1,163,026.52

Storage and Distribution Branch

This branch processed 38,181 documents for 73,392 items of equipment. In addition, 5,871 documents were processed in the course of issuing clothing to HARNG units and activities. The Self-Service Supply Center furnished supplies worth \$57,030 to HARNG units.



Transportation and Traffic Management Branch

This branch processed 5,912 passengers and shipped 6,279 tons of cargo during Federal FY 77. Of the 5,912 passengers, 3,669 were moved to annual training sites; 26 were moved by Military Airlift Command (MAC) to CONUS; 1,017 were commercial air movements to CONUS; and 1,200 were interisland movements by commercial air carriers. Of the 6,279 tons of cargo shipped, 5,740 tons were for annual training support, 72 tons were for shipment to CONUS; and 467 tons were interisland shipment.

ASSISTANT USPFO FOR AIR (PROPERTY)

During Federal FY 77, support was given to both the F-102A Delta Dagger and F-4C Phantom aircraft. The F-102A was salvaged after it flew its last sortie on Oct. 22, 1976. The turn-in of supplies and equipment associated with the F-102A aircraft created a heavy workload during this period. To provide daily supply support to all HANG units, \$843,990 was expended during the past year. This was an increase of \$325,875 from the previous year. Expenditures accelerated at a tremendous rate due to inflationary factors, support of two types of primary mission aircraft, and the high cost for the support systems of the newly assigned F-4C aircraft.

The HANG Financial Advisory Board/Supply Requirements and Review Committee, composed of unit commanders, met periodically to manage the supply funds.

At the beginning of Federal FY 77, the warehouse inventory was \$3,219, 232; at the end, it was valued at \$3,596,056. The line items in stock increased from 13,151 to 14,661 by the end of the fiscal year. Supply activity numbered 315,860 transactions, which was an increase of 12,510 from the previous fiscal year. Increases were attributed primarily to the newly assigned F-4C aircraft.

Ninety-two per cent of all authorized equipment was on hand with a dollar value of \$31,342,817, excluding the cost of the aircraft on hand. During the year, \$96,884 was expended for the procurement of additional equipment.

Uniforms issued last fiscal year totaled \$26,695, and for this fiscal year, the issues amounted to \$52,934. This was due primarily to the increase in assigned personnel to the units of the 201st Combat Communications Group.

The expenditure for commercial contract services increased to \$71,316 from the previous fiscal year's

\$57,091. Of all expenditures, \$182,667 was spent on the local markets through Federally authorized local purchase procedures.

During the first year of HANG operations for the newly assigned F-4C aircraft, the NORS (Not Operationally Ready Supply) rate averaged 6.3 per cent per month, which was the same rate as Pacific Air Forces.

COMPROLLER DIVISION

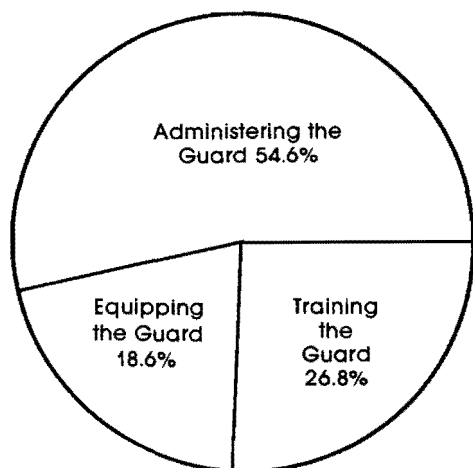
Federal funding support for the HNG is derived from annual Congressional appropriations. The U.S. Army and the U.S. Air Force allocations to the National Guard Bureau (NGB) are subsequently made available by specific allotments to the USPFO of each state. Open allotments are established at NGB or Army and Air Force levels for the obligation of armory drill pay, six-month trainee expenses, and other costs that are centrally controlled.

Administration of HARNG funds by the financial manager includes budget development and presentation, review and analyses, fiscal accounting and reporting, and technician and military pay activities. The Comptroller Division consists of the Budget, Fiscal Accounting, and Military and Technician Payroll Branches.

Financial figures presented in the tables reflect expenditures for Federal FY 77.

Budget Branch

This branch is responsible for the management, administration and maintenance of financial plans, budgets and funding programs within the HARNG. Funds budgeted for the HARNG for Federal FY 77 were distributed as follows:



Drill pay totaling \$3.1 million is handled at DA level.

Fiscal Accounting Branch

This branch provides the accounting and reporting requirements for all Federal funds allotted to the State. Funds for the support of the HANG are allotted to the Assistant USPFO for Air (Fiscal) located at Hickam AFB. Examination and disbursing services are provided by the Finance and Accounting Offices of the active Army and Air Force. Federal funds allotted to the State in support of HARNG operations totaled \$10,706,382. The obligations totaling \$10,694,087 or 99.8 per cent of the available funding are shown in Table II.

Military and Technician Payroll Branch

The Military Pay and Technician Pay Branches were merged into a single Payroll Branch in March 1977. The Military Pay element provides input into the Joint Uniform Military Pay System (Reserve Component) for approximately 3,081 pay accounts. The Technician Pay element provides administrative services which include payroll preparation, leave and attendance accounting, payroll deductions for insurance premiums and miscellaneous allotments, and maintenance of individual earnings and civil service retirement records for all Federal civilian employees of the HARNG.

The HARNG payroll data for FY 77, shown in Table III, includes the Federal Government's contribution to employee Social Security, State retirement, Federal retirement, Federal insurance and medical programs.

ASSISTANT USPFO FOR AIR (FISCAL)

The comptroller, HANG, as the assistant USPFO for Air (Fiscal) directs activities related to accounting and finance, budgeting, financial plans, data automation system, nonappropriated funds, and reports control.

The Accounting section is responsible for the receipt, obligation, and accounting of Federal funds. Funds obligated during the past year totaled \$12,317,500. This section is also responsible for the control of mandays used for military duty. Mandays for active and inactive duties totaled 128,040.

The Military Pay section is responsible for the receipt, audit, and processing of source documents for payment to the Air Force Accounting and Finance Center, Lowry AFB, Colorado. Payments to officers and airmen of the HANG totaled \$3,946,200.

The Technician Pay section is responsible for auditing and processing time and attendance cards, maintenance of leave and retirement records, and the timely submission of reports to the State Tax Collector, Internal Revenue Service, Civil Service Commission, Federal Reserve Banks, etc. The total payroll cost amounted to \$10,542,514.

The Data Processing Installation is responsible for activities relating to systems analysis, design, programming, and computer operations. Support is provided through HANG's Honeywell 725G and 15th Air Base Wing's Burroughs 3500 Computers.

MAINTENANCE DIVISION

This division provides repair and service support for all ground surface equipment, such as vehicles, radios, telephones, and weapons issued to the HARNG.

Significant events during Federal FY 77 included the reorganization and consolidation of maintenance shops, the implementation of NGB maintenance manhour accounting procedures and the special training of maintenance technicians.

Plans to consolidate operations of Organizational Maintenance Shops (OMS) Nos. 3 and 5 at Fort Ruger, and also the Mobilization and Training Equipment Site (MATES) and OMS No. 4 at Pearl City were approved by NGB. The consolidation of these activities were made to reduce operating costs normally required for separate operations.

The revised NGB manhour and workload accounting program was implemented in October 1976. In addition to Combined Support Maintenance Shops and MATES

technicians previously reporting under the old program, the new program includes reporting by OMS technicians. Data accumulated from the manhour accounting program is used to review work performance and to determine technician manning requirements at the various activities. During Federal FY 77, the division repaired approximately 1,695 armament, 1,552 electronic/communication and 2,334 automotive items.

A series of new equipment training courses were conducted by the U.S. Army training teams to provide on-site training on the latest models of Army equipment.

Technicians were trained to maintain the TOW (Tube-launched, Optically-tracked, Wire-guided) missile system and the commercially designed 1¼-ton M880/M890 series trucks issued to the HARNG.

SAFETY

Federal technicians worked 748,024 manhours with 10 lost-time injuries during the last fiscal year. In addition, vehicles were driven a total of 1,441,748 miles with five reportable accidents.

TABLE I—FEDERAL FUNDS EXPENDED IN SUPPORT OF THE HAWAII NATIONAL GUARD, (FEDERAL FY 77)

FUNDED SUPPORT AT AIR NATIONAL GUARD LEVEL		FUNDED SUPPORT AT ARMY NATIONAL GUARD LEVEL	
Personnel Services		Personnel Services	\$ 7,706,105
Civilian Pay	\$10,542,514	Civilian Pay	\$5,786,970
Transportation, Travel and Per Diem	208,731	Military Pay	1,919,135
Military Travel	138,135	Transportation and Travel Personnel	294,676
Technician Travel	62,164	Equipment and Supplies	222,948
Equipment and Supplies	8,432	Supplies and Service	1,639,370
Supplies and Services		Organizational Equipment	319,967
Supplies	843,934	Clothing and Equipage	346,871
Equipment	84,498	Petroleum, Oils & Lubricants	131,060
Services	92,990	Subsistence	224,938
Subsistence	43,030	Repair Parts & Services	471,271
Clothing	52,934	Other Operating Supplies & Services	145,263
Recruiting Expenditures	9,156	Construction, Repairs & Utilities	830,988
Medical Expenses	15,269	Armory Construction	None
Major Repairs and Minor Construction	110,900	Non-Armory Construction	446,982
Operations and Maintenance Agreement	281,884	Maintenance, Repairs & Minor Construction	363,404
Utilities		Utilities	20,602
Construction, Repair and Maintenance	131,261		<hr/>
BCE and Custodial Services	56,498		\$10,694,087
Supplies and Materiel	70,931		
Aviation Fuel	31,660		
Indirect/Non-Flying	31,660		
	<hr/>		
	\$12,317,500		
FUNDED SUPPORT AT US AIR FORCE LEVEL		FUNDED SUPPORT BY OTHER FEDERAL AGENCIES IN HAWAII	
Annual Training Pay	\$ 862,424	Armory Drill Pay	\$ 3,041,246
Other Active Duty Pay	762,549	Advisors' Pay and Travel	459,900
Inactive Duty Pay	1,885,258	Annual Training	23,300
Basic Training Pay	263,180		<hr/>
Alert Pilot and AF Duty Pay	172,788		\$ 3,524,446
	<hr/>		
	\$ 3,946,200		
TOTAL FEDERAL SUPPORT FOR AIR NATIONAL GUARD	\$16,263,700	TOTAL FEDERAL SUPPORT FOR ARMY NATIONAL GUARD	\$14,218,533

TABLE II—ARMY AND AIR NATIONAL GUARD LOCAL PROCUREMENT (FEDERAL FY 77)

	OAHU	HAWAII	KAUAI	MAUI	MOLOKAI	CONUS	GR BRITAIN	TOTAL
Supplies and Equipment	135,553	\$16,990	\$14,251	\$10,987	\$ 454	\$23,677	\$1,300	\$ 203,212
Contractual Services	114,078	12,498	10,573	1,633	677			139,459
Physical Examinations		9,116	1,447	2,277	30			12,870
Supplies and Services GSA								
Administered Contracts:								
Federal Supply Schedules	114,486					19,957		134,443
Utilities — Communications	20,470	1,719	602					22,791
Service Contracts:								
Army National Guard	188,154	20,995	437	1,399	1,615			212,600
Army Field Training Sites	100,775	21,889		36				122,700
Air National Guard	281,619	265						281,884
Construction Contracts	136,310							136,310
TOTALS	\$1,091,445	\$83,472	\$27,310	\$16,332	\$2,776	\$43,634	\$1,300	\$1,266,269

TABLE III—HAWAII ARMY NATIONAL GUARD PAYROLL DATA FOR FEDERAL FY 1977

	Man-Years	Cost		Cost
Man-Years and Payroll:	292.4	\$4,868,531	FICA Taxes	17,240
Cost of Benefits:			Suggestion and Superior	
Cost of Living Allowance		413,423	Performance Awards	5,047
Health Insurance		142,780		
Life Insurance (FEGLI)		17,599		
Federal Civil Service Retirement		316,224		
State Employees' Retirement System		5,330	Annual Leave	7,031
Severance Pay		795	Sick Leave	2,010
			CY 76 Days Leave	
			Used	Earned

ENGINEERING AND FACILITIES MAINTENANCE SERVICES OFFICE

Capt. Wayne R. Tomoyasu
Contracting & Engineering Officer

MISSION

The Engineering and Facilities Maintenance Services Office supervises, directs and coordinates the management of all real property under the jurisdiction of the Department of Defense. The office is responsible for all construction, maintenance and repair of facilities, and for acquisition, disposal, management and accounting for all real and fixed property utilized by the Department. In addition, this office provides operational supervision and direction of all custodial and security services at departmental installations.

MAJOR CONSTRUCTION

Major construction projects include all armory, nonarmory and other capital improvement projects.

These projects are accomplished by formal contracts in three categories: (1) 100 per cent State funds; (2) 100 per cent Federal funds; and (3) joint Federal-State matching funds.

The major construction project completed in FY 77 was the Aircraft Arresting System BAK 12/14 at Hickam-Honolulu Airport. This project, which cost \$210,208, was supported with Federal funds. The following other projects were under construction during FY 77:

	Federal	State	Total
DOD Administration Bldg/100-Man Armory, Fort Ruger, Oahu	\$422,963	\$873,537	\$1,296,500
Consolidated Organizational Maintenance Shop, Fort Ruger, Oahu	226,760	140,370	367,130
Replacement and Additional Civil Defense Siren Warning System for Maui, Kauai, and Hawaii	126,447	126,447	252,894

The following major construction projects were in design phase during FY 77:

	Estimate
Organizational Maintenance Shop, Hanapepe, Kauai	\$ 115,000
Mobilization and Training Equipment Site, Waiawa Gulch, Oahu	463,000
Modification of Birkhimer EOC, Fort Ruger, Oahu	143,000
Facilities Maintenance Shop, Fort Ruger, Oahu	230,000
Sound Suppressor System and Pad, Hickam AFB, Oahu	182,814
201st Communications/Electronics Training Facility and Combined Automotive Maintenance/Aerospace Ground Equipment Shop, KMR, Hilo, Hawaii	1,930,000
Additional Improvements, Waiawa Armory, Oahu	63,000

MINOR CONSTRUCTION

Minor construction projects include all projects for minor new construction or major repair, maintenance or modification of facilities. This program may be supported by: 100 per cent Federal, 100 per cent State or jointly with Federal-State matching funds. Contracts for the following minor construction projects were awarded during FY 77:

HANG:	Federal	State	Total
Install Compressed Air Lines at Welding Shop, Bldg 3416, Hickam AFB, Oahu	\$ 1,046	\$ 262	\$ 1,308
Install Inter-Communication Systems, Bldg 3400 and Bldg 3404, Hickam AFB, Oahu	1,464	366	1,830
Secure to Concrete Floor All Equipment and Machinery in the Fabrication Shop Bldg 3416 and the Air Compressor in Bldg 3400, Hickam AFB, Oahu	1,480	370	1,850
Install Concrete Slab for Liquid Oxygen Carts, Bldg 3430, Hickam AFB, Oahu	1,104	276	1,380
Alter Medical Clinic, Bldg 3400, Hickam AFB, Oahu	18,440	—	18,440
Change Medical Room into Women's Restroom, Bldg 204, Wheeler AFB, Oahu	9,604	—	9,604
Extend Water Line, Bldg 3415, Hickam AFB, Oahu	1,296	324	1,620
Relocate Operations Training Facility to Site No. 1, Hickam AFB, Oahu	6,000	1,500	7,500
Misc. HANG Projects (less than \$1,000 each)	6,118	1,529	7,647
HARNG:			
Install Electric Meter in Bldgs 4 & 6, Bellows, Waimanalo, Oahu	\$ 900	\$ 300	\$ 1,200
Modification of Windows in Bldg 622, OMS No. 8 Keaukaha Military Reservation, Hilo, Hawaii	1,750	437	2,187
Enlarge Driveway and Replace Fence Gate, Mobilization and Training Equipment Site, Waiawa, Oahu	1,728	—	1,728
Install Second Door to Ammunition Storage, Tunnel No. 8, Fort Ruger, Oahu	2,400	800	3,200
Install Electrical Outlet Strips, Disconnect Switch and Safety Switch in Bldg 829, AASF, Wheeler AFB, Oahu	1,076	359	1,435
Misc. HARNG Projects (less than \$1,000 each)	851	284	1,135



CIVIL DEFENSE:

Conversion of Radio Room Feeder Breaker to Automatic Operation, Birkhimer E.O.C., Fort Ruger, Oahu	—	\$ 1,184	\$ 1,184
Install Dampers Air Conditioning Ducts at Battery Birkhimer, Fort Ruger, Oahu	—	714	714

REPAIR AND UTILITIES

Recurring minor maintenance, repairs and modifications of facilities are accomplished by in-house maintenance personnel on a time and materials basis or by informal construction contracts. Federal matching fund support for this program is provided for certain eligible facilities through separate Army and Air National Guard Service Contracts and an Army National Guard Training Site Contract with specified funding limitations. Federal reimbursements received by the State under the Service and Training Site Contracts were:

	Federal	State	Total
Air National Guard Service Contract	\$281,884	\$70,471	\$352,355
Army National Guard Service Contract	212,600	70,866	283,466
Army National Guard Training Site Contract	122,700	—	122,700

Significant contracts awarded under this category were:

HANG:	Federal	State	Total
Repair Arms Storage Room, Bldg 3416, Hickam AFB, Oahu	\$ 944	\$ 236	\$ 1,180
Alter Compressed Air Line at Engine Repair Shop, Bldg 3416, Hickam AFB, Oahu	1,030	257	1,287
Repair Taxiway "M", Hickam AFB, Oahu	1,472	368	1,840
Alter Simulator Room Air Conditioning Unit, Bldg 3400, Hickam AFB, Oahu	1,515	379	1,894
Replace Scheduling Board, Bldg 3400, Hickam AFB, Oahu	1,378	345	1,723
Alter Liquid Propane Gas Tank with Protective Wall and Alter Simulator Air Conditioner with Protective Post, Bldgs 3400 and 3415, Hickam AFB, Oahu	1,872	468	2,340

	Federal	State	Total
Replace Outside Air Filter System, Hickam AFB, Oahu	1,594	399	1,993
Replace Aircrew Mail Box, Bldg 3400, Hickam AFB, Oahu	1,016	254	1,270
Repair of Supports for Air Conditioning Unit, Bldg 3400, Hickam AFB, Oahu	1,246	311	1,557
Maintain Taxiway "M" and Stabilize Shoulders, Hickam AFB, Oahu	53,559	—	53,559
Repair and Alter Air Conditioning System, Bldg 3415, Hickam AFB, Oahu	16,222	—	16,222
Repair Tail Door of Bldg 3400, Hickam AFB, Oahu	1,346	336	1,682
Misc. HANG Projects (less than \$1,000 each)	9,239	2,310	11,549
HARNG:			
Replace Exterior Doors of Kahului Armory, Maui	—	4,434	4,434
Reroof Portion of Bldg 621, Keaukaha Military Reservation, Hilo, Hawaii	—	9,564	9,564
Replace Grease Rack at CSMS No. 1, Fort Ruger, Oahu	6,022	2,007	8,029
Recoat Assembly Hall Roof, Bldg 300, Fort Ruger, Oahu	—	2,944	2,944

	Federal	State	Total
Replace Exhaust Fan at Battery Room, AASF, Wheeler AFB, Oahu	2,336	—	2,336
Modify Vault, Bldg 302, Fort Ruger, Oahu	1,087	362	1,449
Replace Gutters and Skylight Panel, Kahului Armory, Maui	—	5,289	5,289
Replace Air Conditioning Unit, ADP Room, USPFO, Fort Ruger, Oahu	2,600	—	2,600
Repaint Bldg 620 and Bldg 620A, Keaukaha Military Reservation, Hilo, Hawaii	3,590	1,197	4,787
Re-stripe Centerline of Roadway, Fort Ruger, Oahu	518	777	1,295
Repair and Repaint Bldgs 90C and 90D, Fort Ruger, Oahu	7,754	2,585	10,339
Resurface Approach Road to OCS, Kalama Valley, Oahu	2,879	960	3,839
Repaint Exterior of Wahiwawa Armory, Wahiwawa, Oahu	—	5,525	5,525
Misc. HARNG Projects (less than \$1,000 each)	5,431	1,810	7,241
CIVIL DEFENSE:			
Relocate Disaster Warning Siren from Pensacola St. to Kamakee St., Honolulu, Oahu	—	1,845	1,845

CIVILIAN PERSONNEL OFFICE

Col. John E. Aiona, Jr.
Civilian Personnel Officer

MISSION

The Civilian Personnel Office (CPO) provides centralized civilian personnel administration for all assigned Federal technicians (both Army and Air) and State employees of the Department. It furnishes the adjutant general, his staff and departmental supervisors with technical assistance on position management, pay administration, employee training and development, personnel management assistance and employment services.

ORGANIZATION

Three branches comprise the CPO — Personnel Management, Employee Services and State Employee. The CPO is staffed by nine full-time technicians and two State-paid employees.

PERSONNEL MANAGEMENT BRANCH

This branch is responsible for the following major areas: recruitment and placement, merit promotion manning control, incentive awards program, technician training and development, adverse actions, classification and appeals, grievances and appeals, and the troubled employee program. Its primary goal is to provide in-depth personnel management assistance to managers, supervisors and support personnel.

In the area of labor management relations, the Hawaii Air National Guard (HANG) renegotiated an agreement with the American Federation of Government Employees, Local 882. The agreement covered nonsupervisory HANG technicians of the 154th Tactical Fighter Group, and was approved by the National Guard Bureau (NGB) on March 23, 1977, with the exception of Section I, Article



IX, covering overtime. This section was subsequently incorporated into the agreement on May 23, 1977, by NGB.

Likewise, the National Association of Government Employees agreement, covering nonsupervisory technicians of the 150th Aircraft Control and Warning Squadron, was approved by NGB on May 3, 1977.

Both Army and Air National Guard technicians of the Department pursued employee development courses of instruction within imposed budgetary constraints. There was a significant increase in departmental participation in the areas of communication and office skills, as well as job skills. U.S. Civil Service Commission courses offered the prime source of such training.

The total number of performance and incentive awards for both State and National Guard personnel remained the same as last year.

CW3 Maurice A. Souza was selected as the Department's nominee for the Federal Employee-of-the-Year Award (Nonsupervisory) and received recognition for his efforts at the annual Federal Day luncheon. Robert F. Sorg was the winner of the coveted Adjutant General's Award for his outstanding contributions to the Civil Defense division, and also was the nominee for the Governor's Award for Distinguished State Service. Other awards for the year were as follows:

	Army	Air	State
Outstanding Performance Ratings	64	26	*
Excellent Performance Ratings	50	21	*
Very Satisfactory Ratings	*	*	37

	Submitted FY 77	Number Approved	Per Cent Approved
Suggestion Awards			
Army Technicians	3	2	66
Air Technicians	5	5	100
State Employees	*	*	*
Sustained Superior Performance Awards	2	2	100
Army Technicians	6	4	66
Air Technicians	1	1	100
State Employees	2	2	100
Quality Salary Increase			
Army Technicians	2	2	100
Air Technicians	4	2	50
State Employees	*	*	*

*Not Applicable

EMPLOYEE SERVICES BRANCH

This branch's activities encompass personnel actions involving employment, processing of within-grade increases, separations, reassignments and promotions. Internally, it performs the records maintenance of all personnel actions, provides information about employee benefits and entitlements, processes performance ratings, and maintains the Technician Personnel Management Information System which is utilized to program and control the personnel status of all assigned technicians.

The Federal technician and State employee strengths of the Department at the beginning and the end of both Federal and State FY 77.

	July 1, 1976	June 30, 1977
Army Technicians	304	294
Air Technicians	496	494
State Employees	141	130
TOTAL	941	918

A wage salary increase, implemented on Aug. 15, 1976, involved 117 Army National Guard technicians at a biweekly cost of \$7,999, and 256 Air National Guard technicians at a biweekly cost of \$17,302. This salary increase was based on the Hawaii Area Coordinated Federal Wage Survey, and was authorized by Department of Defense Wage Fixing Authority.

A salary increase for general schedule technicians was also implemented on Oct. 3, 1976, and resulted in approximately \$5,457 biweekly for 179 Army National Guard technicians, and \$8,577 biweekly cost for 256 Air National Guard technicians.

Personnel actions processed during FY 77 were as follows:

Type of Action	Army	Air	State	Total
Appointments	22	54	29	105
Separations	22	52	32	106
Reassignments	16	47	1	64
Promotions	20	40	12	72
Within-grade Increases	74	128	*147	349
Return from Military				
Furlough	3	—	—	3
Deaths	—	—	—	—
Retirements	10	4	8	22
Misc. Changes	461	885	97	1,443
TOTAL	628	1,210	326	2,164

*New Salary Schedule/Pay Adjustment

Departmental technicians participated in the Annual Cost-of-Living Survey conducted by the U.S. Civil Service Commission with 268 out of 350 technicians responding to the questionnaires sent out — for a 77 per cent participation rate. Similarly, a 1976 Non-foreign Area Cost-of-Living Allowance (COLA) Survey resulted in a graduated



rate of COLA in Hawaii — 17.5 per cent for Oahu, 12.5 per cent for Kauai, 5 per cent for Molokai, 7.5 per cent for Maui and Lanai, and 12.5 per cent for the island of Hawaii.

The Honolulu Area Combined Federal Campaign for CY 77 netted a total departmental contribution of \$24,808.50 which represented an average gift of \$40.87. A total of 619 technician personnel or 97 per cent of the work force participated in this fund drive. The Aloha United Way's fund drive for CY 77 funds was completed with a 100 per cent participation figure. The average gift was \$46.84 for a departmental total of \$4,871.20.

This branch is responsible for the administration of the total State employee personnel program for the Department. This responsibility includes policies, programs, recruitment and placement, classification, salary administration, employee performance, employee relations, training and personnel records maintenance.

There were 139 State employees at the start of FY 77, and by June 30, 1977, the number had decreased to 130.

This decrease in personnel employed was due to the termination of temporary employment in various programs.

With regards to performance awards, 37 individuals received the highest State rating, Very Satisfactory Ratings. This figure represented 32 per cent of the work force. Two Sustained Superior Performance nominations were submitted and approved at a rate of 1.6 nominations per 100 employees. The average award was in the amount of \$175.

ADMINISTRATIVE SERVICES OFFICE

Mr. Morio Takahashi
Administrative Assistant

MISSION

The Administrative Services Office provides management services to coordinate and control all activities related to planning, programming, budgeting and executing the Department's State-administered programs and financial and property resources.

ACTIVITIES

Planning, Programming and Budgeting

The Administrative Services Office, in coordination with the Army and Air National Guard, Civil Defense and the Department of Budget and Finance, finalized the operating and capital improvement budget requests for the fiscal biennium (FB) 1977-79. The requests were submitted to the Ninth State Legislature for approval. Budget testimonies were presented to various legislative committees to justify the Department's requests. Because of the reduced general fund revenue estimates, the Department's approved budget for FB 1977-79 was reduced by five positions and by \$504,135 or 9.7 per cent of the amount requested. The approved funding for the FB will allow the Department to maintain the current level of services.

Financial Administration

The Department of Defense received and administered \$1,786,770 in State general fund allocations and \$612,133 in Federal fund appropriated receipts during FY 77. Of this total amount, \$2,398,746 or 99.99 per cent of the programmed funds were expended or encumbered, leaving a net fund allocation balance of \$157. Table I depicts the distribution of appropriations, appropriated receipts, and expenditures by program organization and cost elements.

The Administrative Services Office additionally administered 4 Federal fund holding and disbursement accounts, 1 general fund major disaster account, 2 trust fund accounts and 14 general obligation bond fund accounts for capital projects delegated to the Department as the expending agency. Tables II and III reflect the general status of these accounts as of June 30, 1977.

The Department's cash receipts for the year amounted to \$637,854. Of this, \$40,033 was credited to the State general fund; \$5,661 to the trust fund accounts; and \$592,160 to the Department's operating fund accounts. The distribution by sources and the funds/accounts to which they were credited are depicted in Table IV.

To provide for more effective communication and management of the State financial resources, a financial management board was established at the beginning of FY 77. The board, consisting of key division and staff heads and chaired by the deputy adjutant general, met quarterly to discuss the status, requirements and priorities for utilization of State fund resources. The concept of group participative management for the financial management board will be further developed and refined during FY 78.

In administering the State finances for the Department, the Administrative Services Office processed 2,840 purchase orders, 516 summary warrant vouchers, 162 bills for collection and 62 treasury deposit slips. The average time for processing invoices for vendor payments was reduced from 15 to 10 calendar days following receipt of goods or invoices, whichever was later.

Property Administration

The Administrative Services Office provides centralized control and accounting of all State property assigned or issued to the Department. During FY 77, the Department acquired 211 items of equipment valued at \$252,953, and disposed or transferred 120 items of equipment valued at \$26,302. The Department's revised property inventory as of June 30, 1977 is as follows:

PROPERTY INVENTORY As of June 30, 1977

Property Classification	Number of Units or Acres	Acquisition Cost
Land and Interest in Land	1,377.446	\$ 136,588*
Buildings and Structures	34	5,965,263
Motor Vehicles	31	109,777
Equipment	3,779	1,285,043

*Reflects taken acquisition cost of \$15 for 1,363.093 acres.



The Administrative Services Office coordinated and/or processed 49 separate applications for use of armories and grounds throughout the State. The total fees collected for the use of the armory facilities amounted to \$5,609.

Occupational Safety and Health Administration

The Administrative Services Office administered the State Occupational Safety and Health Program to include all State workers' compensation claims. During FY 77, there were 17 reportable cases of work-connected injuries involving State employees with a total of 35.75 lost workdays or an average of 2.1 workdays per injury. This

was a reduction of approximately 25 per cent over the total for FY 76. Additionally, there were 26 other workers' compensation injuries involving drill status guardsmen. The total workers' compensation payment for the year amounted to \$42,382. This represents an increase of \$11,622 or 38 per cent increase over the claims payments for FY 76.

The Division of Occupational Safety and Health (DOSH) conducted a compliance inspection of the State-owned and operated facilities at Fort Ruger (less Civil Defense). The inspection resulted in a citation for 3 serious violations and 18 nonserious violations. Corrective actions were taken immediately and were reported to DOSH within the time specified for compliance.

TABLE I — FINANCIAL STATEMENT — GENERAL FUND OPERATING PROGRAMS

July 1, 1976 — June 30, 1977

Program, Organization and Category of Expenditures	General Fund Adj Apprn	Approp Receipts	Total Allocation	Exp	Gen Fund Balance
DEF 111 Prevention of Man-Made Disasters					
Org: Hawaii Army National Guard					
A. Personal services	\$ 427,959	\$ 79,607	\$ 507,566	\$ 507,555	\$ 11
B. Other expenses	324,980	65,809	390,789	390,789	—
C. Equipment	12,997	—	12,997	12,997	—
Sub-total	\$765,936	145,416	911,352	911,341	11
Org: Hawaii Air National Guard					
A. Personal services	56,483	39,393	95,876	95,876	—
B. Other expenses	79,261	—	79,261	79,261	—
C. Equipment	1,672	—	1,672	1,672	—
Sub-total	137,416	39,393	176,809	176,809	—
Program Total — DEF 111					
A. Personal services	484,442	119,000	603,442	603,431	11
B. Other expenses	404,241	65,809	470,050	470,050	—
C. Equipment	14,669	—	14,669	14,669	—
Total	903,352	184,809	1,088,161	1,088,150	11
DEF 112 Amelioration of Man-Made Disasters					
Org: State Civil Defense					
A. Personal services	142,327	249,262	391,589	391,589	—
B. Other expenses	52,955	65,605	118,560	118,560	—
C. Equipment	13,375	14,057	27,432	27,432	—
Total	208,657	328,924	537,581	537,581	—
DEF 113 Supporting Services					
Org: Departmental Administration					
A. Personal services	592,368	81,400	673,768	673,623	145
B. Other expenses	53,277	17,000	70,277	70,277	—
C. Equipment	3,551	—	3,551	3,551	—
M. Motor Vehicles	19,705	—	19,705	19,705	—
Total	668,901	98,400	767,301	767,156	145
DEF 808 Historical Places					
Org: Pacific War Memorial Commission					
A. Personal services	4,800	—	4,800	4,800	—
B. Other expenses	880	—	880	879	1
C. Equipment	180	—	180	180	—
Total	5,860	—	5,860	5,859	1
GRAND TOTAL	\$1,786,770	\$612,133	\$2,398,903	\$2,398,746	\$157

TABLE II — FINANCIAL STATEMENT — MISCELLANEOUS GENERAL, FEDERAL AND TRUST FUND ACCOUNTS July 1, 1976 — June 30, 1977

Account and Title	Balance 7/1/76	Receipts/ Apprn	Total	Disbursmt FY 77	Lapsed	Balance 6/30/77
FEDERAL FUND						
G-205-G Holding Acct PL 85-606, PL 920	—	\$433,622	\$ 433,622	\$433,622	—	—
G-206-G Holding Acct Employer's Fringe Benefits	—	35,581	35,581	35,581	—	—
G-207-G Siren and Equip Acct, PL 920	—	136,306	136,306	131,806	—	\$ 4,500
G-211-G Federal Fund Earthquake Disaster	—	275,000	275,000	275,000	—	—
GENERAL FUND						
G-305-G Hawaii County Earthquake 1975	\$181,253	27,302	208,555	16,455	—	192,100
TRUST FUND						
T-901-G HDODEA Group Life Insurance	—	5,590	5,590	5,590	—	—
T-903-G Donation & Gifts PWMC	1,296	71	1,367	—	—	1,367
Total	\$182,549	\$913,472	\$1,096,021	\$898,054	—	\$197,967

TABLE III — FINANCIAL STATEMENT — GENERAL OBLIGATION BOND FUND July 1, 1976 — June 30, 1977

Account and Project Title	Apprn	Disbursements			Balances	
		Allot	Prior Yrs	Current Yr	Allot	Encumb
ACT 68, SLH 1971						
B-70-802-G Replace C.D. Warning Sirens, Statewide	\$43,000	\$ 12,739	\$ 3,239	\$ 9,500	—	—
B-71-803-G Add'l C.D. Warning Sirens, Statewide	106,000	23,107	6,862	16,245	—	—
B-71-804-G HARNG Aviation Maint Shop	35,000	7,826	7,470	—	—	\$ 356
B-71-805-G Radio Controlled Siren System	12,000	9,000	8,100	900	—	—
B-72-801-G Radio Controlled Siren System	150,000	114,000	96,413	15,093	\$ 2,494	—
G-72-802-G Combined Armory & Aviation Maint Shop	345,000	12,443	1,851	4,527	6,065	—
B-72-803-G Replace C.D. Warning Sirens Statewide	—	8,000	—	8,000	—	—
B-72-804-G Radio Controlled Siren System	—	26,000	—	26,000	—	—
ACT 218, SLH 1974						
B-74-801-G Replace Disaster Warning Sirens	25,000	500	—	238	262	—
B-74-802-G Replace Disaster Warning Sirens	—	24,500	—	24,500	—	—
B-74-803-G Add'l C.D. Warning Sirens Statewide	47,000	34,755	—	28,755	—	6,000
B-74-805-G Radio Controlled Siren System	14,000	7,000	—	—	7,000	—
ACT 195, SLH 1975						
G-75-800-G Replace Disaster Warning Sirens	16,000	12,000	—	761	3,792	7,447
ACT 226, SLH 1976						
B-76-800-G Implement Emergency Procedures (Volcano Proj)	50,000	50,000	—	24,290	25,710	—
	\$843,000	\$341,870	\$123,935	\$158,809	\$45,323	\$13,803

FEDERAL FUNDS

Army and Air National Guard. Federal funds administered by the State for the Army and Air National Guard are received under three separate cost-reimbursable service contract agreements. The agreements negotiated between the State and Federal governments provide for reimbursement of 100 per cent, 80 per cent and 75 per cent of the authorized costs for the maintenance and operations of buildings and grounds occupied by the Federally supported activities of the Hawaii National Guard. Funds received under these contracts are deposited into the State general fund as appropriated receipts for the operating programs, or as refunds of fringe benefit payments advanced by other State agencies.

Civil Defense. Federal funds for the Civil Defense program are derived as matching fund grants under the Personnel and Administration Program (Public Law 85-606) and Civil Defense Equipment Program (Public Law 920) wherein 50 per cent of the authorized expenditure for personnel, equipment, travel and other operational expenses are reimbursed to the State. Additional Federal funds are received under 100 per cent Federally funded contract grants for radiological maintenance and calibration, disaster preparedness planning, and nuclear civil protection planning. Funds received under these programs and contracts are deposited into the general fund of the State as appropriated receipts or into temporary holding accounts for subsequent reimbursements to other State agencies.

TABLE IV — CASH RECEIPTS July 1, 1976 — June 30, 1977

Source	Credited to		Operating & Holding Accounts
	General Fund	Trust Fund	
Non Tax Revenue			
Rental, Buildings	\$ 1,080	—	—
Rental, Housing Units	1,204	—	—
Rental of Armories	765	—	—
Witness or Juror Fees	55	—	—
Reimbursements			
Utilities	—	—	\$ 18,052
Others	—	—	8,156
Personal Services	—	—	1,555
Prior Fiscal Year	1,083	—	—
Federal Funds			
Recovery of Indirect Costs	35,846	—	—
Hawaii National Guard	—	—	—
O & M Service Contract	—	—	251,914
Civil Defense Grant-in-Aid	—	—	—
Matching Fund PL 85-606, PL 920	—	—	183,979
RADEF Contract	—	—	23,716
Civil Preparedness Instructional Contract	—	—	12,010
Disaster Preparedness Planning Grant	—	—	53,952
Nuclear Civil Protection Planning Grant	—	—	38,826
Trust Fund			
HDODEA Insurance Deposit	—	\$5,590	—
PWMC Donation	—	71	—
Total	\$40,033	\$5,661	\$592,160

**ADJUTANTS GENERAL OF HAWAII
1894-1977**

BrigGen. John H. Soper
July 6, 1894-April 1, 1907

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

BrigGen. 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

MajGen. F. W. Makinney
August 4, 1946-December 2, 1962

MajGen. Robert L. Stevenson
December 3, 1962-July 15, 1966

BrigGen. Valentine A. Siefertmann (Acting)
July 16, 1966-December 4, 1966

MajGen. Benjamin J. Webster
December 5, 1966-March 31, 1973

MajGen. Valentine A. Siefertmann
April 1, 1973-Incumbent

Gov. George R. Ariyoshi
Commander-in-Chief



MajGen. Valentine A. Siefertmann
Adjutant General

STATE OF HAWAII
DEPARTMENT OF DEFENSE
OFFICE OF THE ADJUTANT GENERAL
FORT RUGER, HONOLULU, HAWAII 96816