

**US Army Aviation Training Library**  
Fort Rucker, Alabama 36360



**HISTORICAL**

**SUPPLEMENT**

**US Army Aviation Training Library**  
Fort Rucker, Alabama 36360

**1972**

**USAAVNC USAAVNS**

PREPARED BY:

Directorate of Plans, Training and Security  
United States Army Aviation Center  
Fort Rucker, Alabama

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MAJOR GENERAL ALLEN M. BURDETT, JR.

COMMANDING GENERAL

## PREFACE

This annual supplement is a resume of the historical events in which Headquarters, United States Army Aviation Center participated during Calendar Year 1972. It provides accurate, objective accounts of the activities of this headquarters during this period. The problems encountered, their solutions, results obtained and lessons learned will be a basic source of knowledge to the headquarters staff in the development of future doctrine, plans, policies, organization and training. In addition, this publication reflects the high degree of individual and organizational morale and esprit found within USAAVNC.

Information contained in this annual supplement was based on reports submitted by the various directorates and activity directors of the installation. All material is presented in an impersonal and objective manner. Details, where possible, were omitted for the sake of brevity. Material statements of fact, which are not supported by a reference, can be supported by reports from office directors, which are filed in this headquarters.

This report was prepared in compliance with Headquarters CONARC Supplement 1 to AR 870-5 and Third US Army Suppl 1 to AR 870-5.

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The Calendar Year 1972 annual supplement is the eighth in a series of Headquarters, United States Army Aviation Center annual supplements which began in Calendar Year 1965.

## HISTORICAL BACKGROUND

Today's established home of Army Aviation began as the Ozark Triangular Division Camp in May 1942. In June 1943, the area was renamed Camp Rucker in memory of Confederate Colonel Edmund Winchester Rucker, and became the World War II combat training site for the 35th, 66th, 81st and 98th Infantry Divisions.

Following World War II, Camp Rucker was deactivated; however, the outbreak of the Korean War necessitated its revitalization. In August 1950, Camp Rucker became the training site for the 47th Infantry Division.

The present mission of the post began in August 1954 with the relocation of the Army Aviation School from Ft Sill, Oklahoma. The designation "Army Aviation Center" became official in March 1955. Recognition as a permanent post, serving as both the US Army Aviation Center and Aviation School, came on 26 October 1955, when Camp Rucker was officially redesignated Fort Rucker.

The early history of Army Aviation is completely divorced from the early history of Fort Rucker; the former going back to 6 June 1942, when the War Department approved organic aviation for the support of field artillery. Fort Sill, Oklahoma, the home of the field artillery, became the center of Army Aviation.

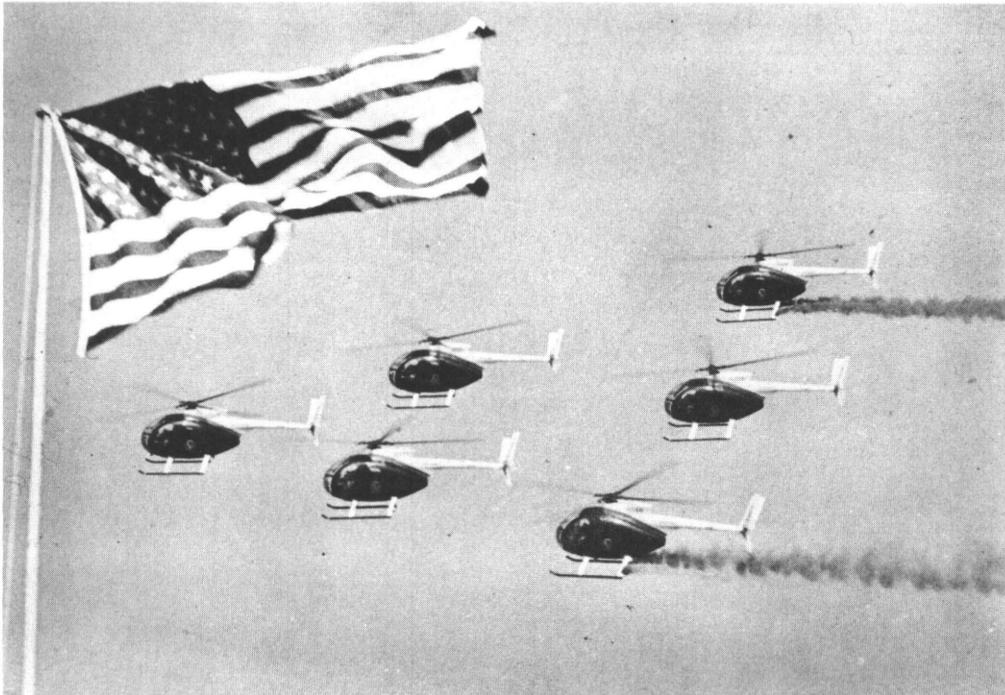
Since the relocation of Army Aviation to Fort Rucker, its mission has continually expanded to encompass the extensive refinements and use of helicopters. With the development of the airmobile concept and involvement in Southeast Asia, requirements increased to the point that aviation became an organic function of the Army. Both fixed and rotary wing capabilities are now being developed for operations with a mid to high intensity warfare environment.

Today the US Army Aviation Center and Aviation School serves as a nucleus for the concept and design of Army Aviation in a new modern Army.

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# CHAPTER 1



# U.S. ARMY AVIATION CENTER

# SECRETARY, GENERAL STAFF

## ORGANIZATION

The Secretary General Staff is organized in three divisions:

Secretary General Staff  
Administrative Division  
Protocol Division

## MISSION

SECRETARY GENERAL STAFF: Directs and controls overall operation of the Administrative and Protocol Divisions; coordinates and supervises the flow of correspondence, messages and administrative actions within the Command Group/General Staff complex; designates action agencies on incoming correspondence to the School and Center as appropriate.

PROTOCOL DIVISION: Plans and coordinates all itineraries, billeting, transportation and social activities for official visitors and guests of the command.

ADMINISTRATIVE DIVISION: Supervises and is responsible for all administrative functions of the command and staff, to include office management, classified files, message center, Xerox reproduction and the Field Officer of the Day/Staff Duty Officer.

## PERSONNEL

The following military personnel assignments were made:

LTC Bruce H. Gibbons, Secretary General Staff, effective 3 January 1972.  
MAJ Harold D. Zumbro, Assistant Secretary General Staff, through 1 July 1972.  
MAJ Ray H. Dial, Assistant Secretary General Staff, effective 12 June 1972.

On 17 July 1972 Colonel Earl W. Fletcher moved from Deputy Commander to Assistant Commandant. Colonel Harold T. Smith served as Acting Deputy Commander from 18 July through 27 August 1972. Colonel John A. Todd became the Deputy Commander on 28 August 1972.

## ACCOMPLISHMENTS

The Office of the Secretary General Staff provided support or assistance to over 140 official visits to the United States Army Aviation Center/School. Sixty-nine visitors were General Officers or equivalent and included Senators Sparkman, Thurmond and Allen; Congressmen Dickinson and Andrews; the Secretary of the Army, Honorable Robert F. Froehle; Admirals Moore and Zumwalt, and Vice Chief of Staff, General Palmer. In addition, on 14 and 15 September 1972, the Third United States Army Aviation Accident Prevention Conference was hosted by Fort Rucker. It was attended by approximately 150 conferees from the active Army, United States Army Reserve and Army National Guard and included five general officers. On 13 and 14 December 1972, the Army Aviation Program Review was hosted by Fort Rucker. It was attended by approximately 106 conferees, and included 38 general officers.

The Commander's Conference Room was renovated with action completed in August. Action was initiated to renovate the Center/School Conference Room on 8 August with completion in January 1973.

## DIRECTORATE, PERSONNEL AND COMMUNITY ACTIVITIES

PERSONNEL STRENGTH AS OF 31 DECEMBER 1972:

	OFF		WO		ENL		CIV	
	AUTH	ASG	AUTH	ASG	AUTH	ASG	AUTH	ASG
CLASS I	902	807	470	464	3692	3604	2252	2253
CLASS II	150	136	35	35	261	308	346	329
TOTAL PERM PARTY	1052	943	505	499	3953	3912	2598	2582
STUDENTS		464		342		722		

### DIRECTOR OF PERSONNEL AND COMMUNITY ACTIVITIES

#### PERSONNEL

Director - Colonel James G. Humphrys

7 July 1972, LtC James B. Carlisle, Jr., assumed duties as Deputy Director, DPCA, replacing LTC Clarence H. Woliver, Jr.

11 January 1972, Major John W. Gordy, Jr., assumed duties as Chief Officer Personnel Management Section, replacing Major John A. Duff.

### PERSONNEL SERVICES DIVISION

#### PERSONNEL

17 July 1972, LTC Mitchell G. Thompson assumed duties as Chief, Personnel Services Division, replacing LTC Joe D. Jobe.

### PERSONNEL SERVICES BRANCH

On 23 June 1972, MG Allen M. Burdett, Jr., renamed 4th Avenue, the main thoroughfare through post, in honor of the late George W. Andrews, United States Representative. Distinguished guests included Representative Elizabeth Andrews; Mayor Goff of Ozark; and Mayor Brown of Enterprise. Approximately 450 spectators witnessed the dedication.

The second annual Combined Federal Campaign was conducted with Chaplain (COL) Burton G. Hatch as campaign chairman. All federal employees in the counties of Dale, Coffee, and Houston were solicited. A total of \$59,715.76 was collected which, in view of the reduced population on the post, represented a very successful campaign.

On 29 August 1972, the Commanding General approved deactivation of the Fort Rucker Junior Enlisted Council. This action was taken to eliminate an ineffective and, at times, counter-productive organization whose useful purpose had been served

and DA guidance suggested phasing-out all unnecessary councils/committees. On 5 September, the Fort Rucker Junior Officers' Council was deactivated for the same reasons.

With the post-wide improvement in military courtesy, approval was given to eliminate the weekday courtesy patrol, an operation which required one officer, one NCO, and a vehicle three days per week.

The Fort Rucker Elementary School began the 1972-73 school year with an enrollment of 1,322 children in grades kindergarten through six.

The proceed order was issued on 29 June to the contractor for renovation of the existing elementary school. This project included conversion of several classrooms to special area rooms at a total estimated construction cost of \$355,000. These funds were provided by the Department of Health, Education, and Welfare. Work was also begun on a new 21-classroom elementary facility on Artillery Road. The latest contractor estimate on completion of this project is 1 March 1973. It is planned to move grades kindergarten through two to the new facility during the spring holidays. HEW-funded cost of the new school is estimated as follows: \$1,621,592.20 contract cost (construction), \$106,185 architect fee, and \$58,000 construction manager fee.

#### CENTRAL POST FUND

##### ACCOMPLISHMENTS

The Central Post Fund began the CY 1972 under an austere program. The fund has been depleted to such state that action had to be taken to reduce spending. This necessitated the reduction of personnel in several positions and termination of several previously funded programs.

During mid-November 1972, directives from Department of the Army and Third United States Army were received for proposing changes in the operation of Central Post Fund as it pertained to the administration of unit funds. At the same time, Central Post Fund was notified that the dividends had been increased from \$1.50 to \$1.90 per man per month.

At the end of CY 72, plans are being made to transfer accounts and property from unit funds to Central Post Fund for centralized accounting and control.

#### NONAPPROPRIATED FUND SERVICE CENTER

##### ORGANIZATION

The NAFSC was reorganized in July as a result of change in computer hardware. The Payroll Branch was eliminated, and these functions incorporated within the ADP Branch. In December, the cashier function at the Central Clearance Facility was transferred from the NAFSC to CPF.

##### ACCOMPLISHMENTS

In March, the decision was made to upgrade the NAFSC computer from the IBM 360/20 to a NCR Century 50 System. Also, during the first quarter, two new NAF's were added to those serviced, the Veterinary Clinic and the Sports Parachute Club. In the month of May the centralized open mess system came into being adding an additional dimension to services already being provided the open messes. A reorganization took place in July to realign staffing requirements in order to insure compatibility with the new computer system being installed. The reorganization and implementation of the NCR system resulted in a significant decrease in the monthly operating cost of the NAFSC. The NCR computer became fully operational in October. Plans are currently being prepared to expand the automated systems now in use through the development of an automated general ledger system.

## ARMY COMMUNITY SERVICE

### PERSONNEL

Major Willis R. Bunting was assigned in June as Special Assistant to the DCO for ACS, replacing Major John W. Kearns.

### ACCOMPLISHMENTS

Fort Rucker's Army Community Service remained the largest Army Community Service of 183 ACS volunteer associations in the US Army. Present strength is 300 adult volunteers and 40 teenage volunteers.

The Fort Rucker Army Community Service sponsored 25 programs and committees.

Army Community Service provided all newly assigned personnel and their dependents with welcome orientations on post activities and activities in the local communities. In addition, ACS personnel provided all units on post with briefings on ACS programs and activities upon request.

Army Community Service assisted over 130 families in the emergency situations caused by two tornadoes that struck Fort Rucker and its surrounding communities.

Army Community Service increased its efforts in publicity by numerous radio, newspaper and poster campaigns for its programs and activities.

Army Community Service completed the film "The ACS Story." This film depicts the operational aspects of ACS.

The POW/MIA Committee of Army Community Service sponsored a POW/MIA Rally on 7 September 1972.

Army Community Service increased its job referral program assisting retired personnel in securing jobs. Two job seminars were held during the year.

In September, Army Community Service initiated budget counseling and formal debt liquidation program to assist families with financial management.

Immigration and Naturalization assisted 289 persons in securing their citizenship through a nine-week course given by the Immigration and Naturalization Committee.

Army Emergency Relief provided assistance to servicemen and their dependents this year in excess of \$55,438. \$51,708 in loans and \$3,730 in grants.

Army Community Service initiated a counseling service to advise and assist active and retired personnel with Survivors' Benefit Plan.

In December, Army Community Service formed a Retired Personnel Council to represent retired enlisted and officer personnel in the area.

Under the supervision of the Professional Services Officer, a Homemaker Program was initiated. The program provides for visits of all newly assigned personnel to determine their needs. Follow-up visits are made when social and medical needs are determined.

## OPEN MESS SYSTEM

### ORGANIZATION

The Officers' Open Mess and the NCO Open Mess were consolidated on 1 May 1972 with the establishment of the Fort Rucker Open Mess System. Major Charles E. Perkins was assigned as the Supervisor of the Open Mess System. Consolidation allows for the centralization of all procurement, entertainment, and administrative requirements.

### ACCOMPLISHMENTS

#### OFFICERS' OPEN MESS

Due to the reduction of post strength, the FROOM experienced a membership decrease of approximately 30 percent.

The club hosted each of the quarterly AUSA General Membership Meetings. The list of guest speakers during CY 72 included the Secretary of the Army, Honorable Robert Froehlike; the Secretary of Defense, Honorable Melvin Laird; the Governor of Alabama, Honorable George Wallace; and Chief of Naval Operations, Admiral Elmo Zumwalt.

With the club's fifth anniversary came the requirement to redecorate and refurnish the inside of the facility. Contracts were let for new carpeting; repainting the walls; and new chairs, tables, and draperies. The complete renovation of the Informal Lounge was highlighted by the installation of two computerized liquor dispensing devices called Electra Bars.

Five major entertainment shows were featured by the FROOM during 1972. Making appearances in the Main Ballroom were the Kingston Trio, Chubby Checker, the Grass Roots, Billy Joe Royal, and the New Christy Minstrels.

#### NONCOMMISSIONED OFFICERS' OPEN MESS

With the advent of 1972, the NCO Club entered into several phases of renovation and modernization. The dining room was furnished with new chairs and carpet. New stack chairs were purchased for the Main Ball Room and air purification units were installed throughout the club. The above items were just a few of the items covered in an approved \$140,000 capital expenditure budget.

During calendar year 1972, the club experienced a \$500,000 decrease in business.

The extraordinary entertainment shows featured this year were: Miss Jean Shepherd Show, Lonzo and Oscar, Tompall and the Glaser Brothers, and Mr. Mel Tillis.

Bingo has grown by leaps and bounds due to the decision to allow more cash prizes. The values of the automobiles given away have increased in excess of 50 percent as a result of this increased participation.

## EDUCATION DIVISION

### PERSONNEL

In March 1972, Mr. Ginio Hernandez joined the Education Center Staff as a foreign language specialist. During December 1972, Mr. Thomas Overstreet, Guidance Counselor with Project Transition, departed this station for an assignment in Thailand.

ACCOMPLISHMENTS

308 enlisted men gained high school certification; 58 military personnel received baccalaureate degrees; and 33 completed requirements for Master's Degrees through off-duty study. 700 individuals completed training under the provisions of Project Transition.

OFFICE, ACCIDENT PREVENTION (SAFETY)

ORGANIZATION

The Office, Accident Prevention, remained under supervision of DPCA. The Office, Aircraft Accident Prevention, remained under operational control of the Assistant Commandant.

ACCOMPLISHMENTS

An Aircraft Accident Prevention Survey of the US Army Aviation School and Center was conducted by Third US Army during the period 1-5 May 1972. A rating of satisfactory was awarded (only ratings of satisfactory or unsatisfactory were considered).

The annual Third US Army Accident Prevention Conference was hosted on 14 and 15 September 1972. LTG Melvin Zais, Third US Army Commander, announced that the Third Army aircraft accident rate for FY 72 was the lowest for any major US Army command anywhere in the world. During FY 72 Third US Army units sustained only 4.3 accidents per 100,000 flight hours. The US Army Aviation School and Center aircraft accident rate for this same period of time was 4.35 accidents per 100,000 flight hours.

The US Army Aviation Center was awarded the Third US Army Commander's Award of Honor for Safety for the best overall achievement in the prevention of accidents during FY 1972 of any Class I installation. This award was announced by General Orders No. 600, 24 November 1972, Headquarters, Third US Army.

Accident rates experienced during FY 1972 are as follows:

- |  |      |
|--|------|
| a. Army aircraft accidents per 100,000 hours flown         | 4.35 |
| b. Army motor vehicle accidents per 1,000,000 miles driven | 3.42 |
| c. Military fatalities per 1,000 man-years worked          | 2.39 |
| d. Military disabling injuries per 1,000 man-years worked  | 6.97 |
| e. DAC disabling injuries per 1,000 man-years worked       | 1.32 |

CHAPLAIN DIVISION

ACCOMPLISHMENTS

A religious crusade was conducted 21-23 January with an average evening attendance of 500. The crusade was sponsored by the Protestant Youth of the Chapel. The guest evangelist was Reverend Embry Williams from Dothan, Alabama. Football players from the University of Alabama Fellowship of Christian Athletes participated.

The Annual Presidential Prayer Breakfast was held 1 February at the Officers' Club with Major General Burdett as the guest speaker. Approximately 100 officers and NCO's were in attendance.

A Workshop for Youth Counselors and Teachers was conducted 3-4 March at the Religious Education Center. Dr. Bob R. Taylor, Youth Consultant with the Church Training

Department of the Baptist Sunday School Board in Nashville, Tennessee, was the workshop leader. Youth counselors and teachers from the local communities participated.

The Protestant Women of the Chapel held their annual Good Friday production at the Fort Rucker Officers' Open Mess for the Fort Rucker and neighboring civilian ladies with attendance of 300.

The annual Easter Sunrise Service was held 2 April with James M. Hutchens, Chaplain of Wheaton College, as guest speaker. Over 2,000 persons from Fort Rucker and the civilian communities were in attendance.

Chaplain (CPT) Joseph S. Lazor, Jr., received the George Washington Honor Medal from the Freedoms Foundation.

PROJECT CONCERN, a Chaplain Division-Ministerial Association of Ozark joint project for underprivileged children, was conducted during the summer months with 150 children participating in the five encampments.

Lay Participation and Leadership, a project that was started by Fort Rucker chaplains, was selected by the Chief of Chaplains to be used as a model program by other parts throughout the world.

The first joint Protestant-Catholic Vacation Bible School ever conducted at Fort Rucker was an outstanding success with an enrollment of 784.

The first "Clergy Day" at Fort Rucker was conducted 24-25 October. Local ministers were invited to participate in a drug/alcohol abuse seminar and to share experiences with the chaplains in an effort to generate greater understanding between the civilian and military community.

A special Thanksgiving holiday program, sponsored by the Catholic chaplains, was presented by the "God Squad," a group of 12 nuns in formal habit, singing contemporary musical selections.

#### CIVILIAN PERSONNEL DIVISION

##### ACCOMPLISHMENTS

During 1972, all retention registers were computerized. With this method, untold man-hours of typing registers have been saved.

During the year, a total of 85 employees retired from Civil Service. Of this number, 61 retired for disability, and the rest were optional retirements.

Our strength at the beginning of the year was 1907 GS and 671 WG for a total of 2,578 employees. At the end of the year, we had a total of 1,917 GS and 665 WG for a total of 2,582.

The USAAVNS Element moved from Fort Stewart/Hunter, Georgia, to Fort Rucker, Alabama. Approximately 130 employees received "canvas letters" to ascertain their interest in moving with the function. Twenty-five employees agreed to transfer and were offered jobs at Fort Rucker. There were no "separation-RIF" at Fort Rucker.

On 24 November 1972, Department of the Army approved an agreement entered into by the US Army Aviation Center and Fort Rucker and Laborers International Union of North America, Local 1054, for a recognized unit which included indefinite full-time and indefinite part-time employees. Excluded were all managers, assistant managers, supervisors, professional employees, employees engaged in personnel work in other than a purely clerical capacity, guards, employees of the Army and Air Force Exchange, intermittent and temporary

employees. One-hundred-eighty-eight employees were included in the unit, of which 74 were Category A and 114 were Category B employees.

During 1972, new regulations were implemented which effected major changes in the classification appeal provisions for employees. The DA level of processing classification appeals was eliminated. Now the designated intermediate command is the final authority on classification appeals through DA channels. There was no change in US Civil Service Commission appeal provisions.

In August 1972, the President signed a public law with major impact on pay provisions for blue collar employees. The three-step pay structure for regular nonsupervisory wage grade employees was expanded to five steps, effective 30 April 1973, or sooner if the President cancels current stabilization controls. Night shift pay became uniform throughout the Army at 7.5 percent of the employee's rate of pay for second shift and 10 percent for the third shift work, effective 17 November 1972. For the first time, non-appropriated fund blue collar employees will also be included under a statutory pay-fixing procedure.

Emphasis was continued on reduction of the average GS grade in response to DA directives.

Eighty persons at Fort Rucker received certificates of completion on 28 July from a Defense Procurement Management for Technical Personnel Course. The instruction which began 17 July 1972, was conducted in two 40-hour sessions. Sponsored by Fort Rucker's Directorate of Industrial Operations and the Employee Development Branch, Civilian Personnel Division, the study was designed to inform individuals concerned with the technical aspects of procurement cycle and relationship with contracting officers and industry representatives. The classes were taught by two individuals of Harbridge House, a civilian firm from North Hollywood, California. This course was contracted at an expense of \$10,570.

The Incentive Awards Program during Calendar Year 1972 paid out a total of \$8,030 in suggestion awards. There were no thousand-dollar cash awards during 1972. During this same period of time, dollar benefits to the government totaled \$1,434,974. Honorary awards given were three Special Act or Service Awards: Mrs. Gwne E. Wright - USAAVNS; Mrs. Geraldine Collins - USAAVNS; and Miss Lucy Watson and Mrs. Lota W. Moore - DPCA; 21 Certificates of Achievement were approved and presented to Helen R. Crosier - DPCA; Shirley S. Roney - USAAVNTBD; Gail R. Turner - Secretary, USAAVNS; Betty H. King - USACDCAVNA; Dewey E. Lee, Jr. - DIO; Billie R. Reeder - DGS; Charles D. Williams - USAARL; Billie N. Stockey and Glenda F. Sammons - DPCA; Wendis M. Morrow - DIO; Emily B. Finney and John F. Coleson - DGS; and John W. Grimes, Kathleen Kelso, Lucille J. Luke, Wilma B. Costello, Nancy G. Murphy, Rebecca M. Redding, Hilda B. Renz, Emogene P. Simon and Melvin Treadaway - DMEDA. Third US Army Certificates of Achievement were awarded to Earline Z. Grimes, Rosella M. Kemmet, and Marie M. McAfee - DMEDA.

Mr. John N. Garbarini, USACDCAVNA, was selected as Fort Rucker's Civil Service Employee of the Year - Fiscal Year 1972. Ending December 1972, 446 Outstanding Performance Ratings, 99 Quality Step Increases and 104 Sustained Superior Performance Awards were approved. Suggestion submissions totaled 1,588. Cash awards for Sustained Superior Performance Awards totaled \$21,315.

### SPECIAL SERVICES DIVISION

#### ORGANIZATION

In January 1972, Special Services Division was reorganized under TDA 3AWOU9AA-05. Branches within Special Services Division are as follows:

- a. Sports Branch.
- b. Entertainment/Recreation Branch.

c. Library Branch.

d. Crafts Branch.

#### PERSONNEL

LTC Glenn E. Miller continued as Special Services Officer.

#### ACCOMPLISHMENTS

SPORTS BRANCH: The Third US Army Handball Tournament was hosted by Fort Rucker in January. A new trap machine was installed at the skeet range in January. The Fort Rucker Men's and Women's Post Basketball Teams participated in the Third US Army Basketball Tournament hosted by Fort McClellan in March. The field house floor resurfaced in June. Captain Ponds of Fort Rucker won first place in one and three meter diving in Third US Army competition at Fort Bragg, North Carolina. The Alabama AAU Swim Meet was hosted by Fort Rucker in July. Fort Rucker was represented by both men and women in the Third US Army Volleyball Tournament in May. The bowling lanes were re-bedded (12 lanes) in August. Two new tennis courts were completed in CY 72. Background curtains were installed on all tennis courts in May. One multi-purpose court was completed in the Tank Hill area. The Third US Army Bowling Workshop and AMF Bowling Manager's Conference was hosted by Fort Rucker in August. Fort Rucker was represented by both men and women in the Third US Army Bowling Tournament in March at Fort Bragg, North Carolina. Fort Rucker hosted the Third US Army Softball Tournament in September. The new football field was completed in September. Fort Rucker hosted the Third US Army Football Tournament in November. Renovation of the Center Swimming Pool began in September and is still underway. Twelve pinsetters in the bowling lanes were replaced. A new ski jump was completed at Lake Tholocco. The annual AUSA Picnic was held at Lake Tholocco. The pavilion on the EM side of Lake Tholocco was rebuilt. Water shows were held at Fort Rucker 4 July and Labor Day weekends. The pier on the Officers' Side of Lake Tholocco was extended. New motors for small boats at Lake Tholocco and the Florida Recreation Area were purchased. The Florida Recreation Area acquired a new patrol boat. New barbecue grills were installed at the Florida Recreation Area. Water outlets at camp sites at the Florida Recreation Area Camp Sites were installed. The charter boat engine was overhauled.

ENTERTAINMENT/RECREATION BRANCH: The Service Club and Entertainment Sections were merged into one branch during January 1972. Special programs were provided for all major holidays. Free bus tours were regularly provided to Panama City (summer), motorcycle and stock car races, Florida Caverns and Fort McClellan (WAC Center dances). Fort Rucker's entry, "The Sign in Sidney Brustien's Window," in the Third US Army Tournament of Plays during February and March 1972, placed third in the competition. Two separate Soldier Shows were presented - one in June and the other in December.

The US Navy Steel Band from Puerto Rico performed in June. The "Messiah" was presented by Chipola Junior College in December. The Service Club provided appropriate programming and entertainment for a different theme each month.

LIBRARY: Hours of operation were severely decreased in May through August 1972 due to nonavailability of qualified personnel. Operating hours began increasing in mid-September 1972 and slowly increased to 10 hours per day, seven days a week. The Hospital Branch Library was re-opened on 13 September 1972.

CRAFTS: Art classes were conducted for handicapped children in May 1972. Classes in the application of ceramic stains were given during June 1972. The US Army Arts and Crafts Week was held during the last week in November. Entries ranged from oil paintings to a full-size aerobatic byplane. A civilian art instructor was employed to present classes and provide assistance to patrons in the ceramic and multi-crafts shops.

YOUTH ACTIVITIES SECTION: Fort Rucker hosted an Invitational Basketball Tournament during March 1972. The Major League Championship (12-13 years) was won by Fort Rucker.

The Youth Center hosted the Navy Steel Band from Puerto Rico on 24 June. This was a large success. There was a sports office established to eliminate some of the confusion in the Youth Center building. This seems to be showing great potential. A larger building was obtained for the Judo Club, which is growing.

Youth Activities completed the 1972 baseball season in July. A total of 547 youths, ages 6-17, competed during the season. The Southeast Military Conference Tournament was conducted following the season with the following results: Pony League - first place; Fort Rucker and Major League - first place, Fort Rucker.

During September and October, a golf clinic was conducted. The football program was conducted in August through December 1972. A total of 408 youths entered the program, 62 girls and 346 boys. The Southeast AAU Swim and Diving Meet was hosted at Fort Rucker in July.

There were 1,517 Youth Activity cards sold during 1972.

#### PROVOST MARSHAL DIVISION

Colonel Paul R. Atherton assumed duties as the Aviation Center Provost Marshal on 8 May 1972, replacing LTC Edward F. Meskunas.

Captain Ronald DuBay assumed duties as Commanding Officer, 141st MP Company, replacing Captain Michael Campbell.

#### ORGANIZATION

To improve command and control within the Office of the Provost Marshal, various sections were placed under supervision of the Operations Office, i.e., AWOL, Vehicle Registration, MP Desk, and Game Wardens. In November 1972, the AWOL Apprehension Section was modified when an additional apprehension team was established in Mobile, Alabama. This affords three operational teams in the Fort Rucker area of responsibility (Fort Rucker, Mobile, Alabama; and Jackson, Mississippi).

The 141st Military Police Company received Third US Army General Order No. 647 in December 1972 changing the unit's assigned strength from six officers and 98 EM to five officers and 78 EM.

Sentinel Protective Service was awarded the civilian guard contract for Fort Rucker at a cost of \$979,672. It is composed of 127 personnel, with the responsibility of patrolling airfields, post money escorts, combined arms room security, and post buildings security checks. This was the first year the contract was let through the Small Business Association rather than by open bids.

#### EVENTS

During the year, the Military Police Company received various items of new equipment in support of the Provost Marshal commitments. This was the first year the unit received new heavy-duty Ford sedans as previously specified by DA for use by the military police. Additionally, communication equipment was purchased in the amount of \$23,000 to modernize the military police communications net. The purchase incorporated one 90-watt Motorola base station for desk operations and one 45-watt sub-station for game warden use, 14 Motorola vehicle mounted radios, and five porta packs (walkie-talkie type).

The Vehicle Registration Section developed a new data processing method which assists in the clearing of registration files and clarifying records to give an accurate count

of items/vehicles registered with the Provost Marshal. At the close of the year, vehicle registration statistics indicate:

Vehicles	17,079
Motorcycles	1,691
Bicycles	2,079
Weapons	7,543
Boats	969
Trailers reregistered with the PM	455

The Military Police Investigation Section was reorganized under the provisions of AR 190-30. During November and December 1972, two personnel attended the drug course at the Military Police School, Fort Gordon, Georgia. The Provost Marshal Investigation Section investigated the following incidents during Calendar Year 1972:

Assaults	27
Larceny of Government property over \$50.00	61
Larceny of Government property under \$50.00	54
Larceny of private property over \$50.00	122
Larceny of private property under \$50.00	110
Vandalism	58
Unlawful entry	18
Obscene telephone calls	45
Others	35
<b>TOTAL</b>	<b>529</b>

The Physical Security Section performed the following surveys, inspections, and other administrative tasks on Active Army, Reserves, and ROTC units within the Fort Rucker area of responsibility:

Larceny reports	20
Unsecure building reports	52
Annual survey/inspection	128
Followup inspections	6
Courtesy inspections	50
Special hasp tests	63
Total recorded actions	319

The Game Warden Section was staffed with a five-man team during the summer months of 1972 and increased to 10 men during annual deer hunting season. Personnel resources were provided by on-post units and the 141st MP Company. The section's equipment includes one 1½-ton truck, three ½-ton trucks, one commercial pickup, two 18-horsepower outboard motors, and two 14-foot aluminum boats. The following data were compiled from records maintained during the calendar year:

Administrative:

Hunters signed out for hunting FRA	10,630
Annual hunting/fishing permits sold	1,206
Daily fishing permits sold	1,135
Number of offenses recorded on DA Form 19-32	214
Daily hunting permits sold	317
Number of warnings issued for violations	14

Reported Kills:

Deer	533
Squirrel	1,240
Rabbits	106
Quail	552
Duck	17

The Traffic Section continued its mission of traffic control and traffic accident investigation. During 1972, assigned personnel investigated 333 accidents on Fort Rucker, compared to 416 during 1971. The majority of the accidents were minor "fender benders." The majority of the accidents were caused by careless backing in the various parking lots on the Fort Rucker installation, primarily the parking lot for the Main PX at Hutton Plaza. The section also received many favorable comments on the operation of the traffic control point at the post Elementary School and in support of Armed Forces Day and also the quarterly AUSA General Membership Meetings.

AWOL Apprehension during 1972 processed and returned to military control 912 absentees, compared to 1,251 absentees for 1971. Additionally, 1972 marked the introduction of aircraft utilization by the AWOL Apprehension Section. UH-1 helicopters were often obtained from US Army Aviation Center resources to transport prisoners from Jackson, Mississippi; Mobile, Alabama; Panama City, Florida; and other pickup locations to the PCF at Fort Benning. This saved not only time, but TDY expenditures as well. During the last quarter of 1972, a major effort to increase liaison with civilian law enforcement agencies and to solicit their increased cooperation and involvement was initiated through personal letters, flyers, and telephone calls. This liaison and recent establishment of an AWOL Apprehension Team at Mobile, Alabama, have brought about an increase during the last quarter of 1972 of the return of absentee and DFR personnel to military control.

OPERATIONS

Operations Branch completed update on Fort Rucker Traffic Code to replace the outdated Center Regulation 190-5. This traffic code will provide a valuable tool to the motor patrolman for traffic enforcement. The section forwarded for action the following reports:

Military Police Report, DA Form 19-32	2,714
Traffic Ticket, DD Form 1408	3,756
Post Driving Privilege Suspensions	219

Approximately 7,200 other miscellaneous administrative papers were processed. The section provided assistance and guidance to the 217th MP Company, Alabama National Guard during its ANACDUTRA at Fort Rucker, Alabama, and further assisted in weekend training of the 276th MP Company during their weekend training periods.

HUMAN RELATIONS DIVISION

ORGANIZATION

The Human Relations Division, a provisional organization, evolved from the Drug Abuse and Alcoholism Control Division. The DAACD was established by Letter Orders No. 812, 7 July 1971. With attachment of the Race Relations Officer and the Equal Opportunity Officer by VOCO, the Human Relations Division came into being in September 1972.

PERSONNEL

LTC Walter N. Wharton became the Chief, DAACD, in December 1971, and remained in that position throughout 1972, assuming the additional duty of Chief of the HRD upon its organization in September 1972.

## ACCOMPLISHMENTS

The division was activated October 1971 with program establishment taking place through January 1972. This included writing of initial program, establishing staffing needs, and programming facility upgrading.

Required civilian staffing started in January 1972, and all but four positions were filled by early March. With arrival of initial staffing, the Alcohol Rehabilitation Program was opened and has experienced a steady climb in clients.

Educational efforts of the Drug and Alcohol Program were initiated early in 1972 with command and staff briefings to battalion and higher level commands. The year's activities in education accounted for 209.5 hours of instruction to 3,689 personnel.

### Rehabilitative activity for year:

Personnel involved in program	157
Alcohol	82
Drug	75
Personnel in program (Year-end)	35
Alcohol	24
Drug	11
Rehabilitative success	50
Alcohol	18
Drug	32

The Alcohol and Drug Control Program was visited by several major teams. These included the team from the President's Special Action Office for Drug Abuse Prevention (SAODAP), which included representatives of DOD, DA, CONARC, TUSA, and VA, the CONARC Assistance Team, and the TUSA Team. Each of these teams made favorable reports on the activities of the drug program. The division had major activities taking place in its facilities in all but three months of 1972. These ranged from the SAODAP visit to the workshops presented to local clergy and educators.

### Drug and Alcohol Control Program:

DPCA gained operational control of the MEDDAC Counseling Team in September 1972 and in that month organized the Human Relations Division which included Alcohol and Drug Control Office (ADCO), Equal Opportunity Office (EOO), and Race Relations Office (RRO).

The EO Office is staffed by one full-time civilian, while the RR Office has two Defense Race Relations Institute trained military individuals. Year's activities in these two offices, aside from education, include the handling of the following investigations on complaints:

### Race Relations and Equal Opportunity Case load combined

Employment complaints	5
Housing complaints	7
Accommodation complaints	12
Racial complaints	
Informal investigation	12
Formal	1

POST EXCHANGE

Amusement Center/Washeteria combination, Building 4106 opened in January 1972.

A new filling station, consisting of 10 islands and 30 pumps, opened on 18 October 1972.

The combination Four Seasons/Toyland/PX-Tra facility was renovated and opened 20 Dec 72.

In July 1972 Knox Field snack bar closed.

In August 1972 Tank Hill retail store closed.

In September 1972 Shell Field snack bar closed.

On 15 December 1972 Tank Hill snack bar closed.

The above closures were caused by low sales income due to reduction in post strength.

Food sales in 1972 were \$383,000; 1971 sales were \$800,000.

Mr. Crass, the General Manager departed 7 July 1972 for an assignment in England. Mr. Ruffo joined the Exchange as General Manager on 29 July 1972.

# DIRECTORATE, PLANS, TRAINING AND SECURITY

## PERSONNEL

Director Colonel Harold T. Smith

Deputy Director LTC Clemon G. Courtney - 15 Feb 72  
LTC Jonah B. Davis - 16 Feb 72 - 11 Jun 72  
LTC Stephen W. Stith, Jr. - 12 Jun 72 - Present

## MISSION

Direct all plans, operations, training, security, range and force development operations. Direct activities of the Airfield Operations; US Army Aviation Museum; 98th Army Band; and maintenance of all permanent party and student flight records. Maintain operational control of Third US Army Training Aids Center and staff supervision of Detachment 9, 16th Weather Squadron (USAF). Serve as Program Director for operating programs as prescribed by USAAVNC Regulation 11-5.

## ORGANIZATION

The Directorate of Plans, Training and Security consists of three major divisions -- Plans and Operations Division, Force Development Division, and the Training/Range Division. In addition, the Directorate has operational control/staff supervision of the following activities:

- a. Airfield Operations
- b. TUSA Training Aids Center
- c. United States Army Aviation Museum
- d. Det 9, 16th Weather Squadron

## PLANS AND OPERATIONS DIVISION

### PERSONNEL

Ch, Plans and Operations Division LTC Jonah B. Davis - 15 Jul 72  
MAJ Ronald N. Peterson - 16 Feb - 19 Jul 72  
LTC John R. Sisk - 19 Jul

## ACCOMPLISHMENTS

### PLANS BRANCH

The following mission plans were instituted in CY 72:

During 1972 31 separate actions pertaining to emergency or contingency operations were prepared, coordinated and published as plans, SOP's, regulations or supplements. Additionally, this branch prepared 8 exercise directives to test Nuclear Accident/Incident Control Plans, Search and Rescue Plan, Hurricane Alert and Evacuation Plan and Fallout Shelter Plan. Daily situation reports and weekly communications test were

conducted in support of plan requirements. Periodic training of personnel assigned to the CBR Element was conducted to insure individual and organizational proficiency. Several one-time special projects such as the "US Army Helicopter Precision Demonstration Team (SILVER EAGLES) Activation" and "Office Secretary of Defense (OSD) Reserve Component Study" were completed during the year.

On 13-14 January and 2 March 1972, the USAAVNC/S participated in operations resulting from tornadoes and high winds in Dale County and Fort Rucker. The operation of 13-14 January was the major operation and presented some unusual mission requirements to USAAVNC/S units. Existing contingency plans such as Natural Disasters (Annex B), USAAVNC MACAP, Severe Weather Warning Plan, and Lyster Army Hospital Emergency Disaster Plan were implemented. General Palmer, Vice Chief of Staff Army, observed the Lyster Army Hospital and Army Community Services responses to this emergency. General Palmer reported to CONARC that he was impressed with the performance of Fort Rucker personnel in responding to this situation. CONARC requested 50 copies of the Fort Rucker After-Action Report so that other CONUS installations could profit from the experience gained at Fort Rucker. A major deficiency in this operation was the lack of a single contingency plan for Base Disasters. This deficiency has since been corrected by the publication of a Base Disaster Contingency Plan, dtd 8 May 1972 that provides immediate reaction to disasters on Fort Rucker and surrounding communities. As noted by General Palmer, the major success during this operation was the outstanding accomplishments of Fort Rucker. Complete details for this operation are contained in the After-Action Report, dated 24 February 1972.

USAAVNC/S Aviation Support of Explosive Ordnance Detachment (EOD) Plan was published 11 February 1972 as the result of Headquarters, Third US Army request that maximum aviation support be provided Explosive Ordnance Detachment assuring they will depart this installation via aircraft within 30 minutes following notification and arrive at a distant site in minimum time. The Fort Rucker plan provides for use of the Medical aircraft on a noninterference basis. On 17 February, 24 May, 27 August, and 14 September 1972, this plan was executed as a result of explosive device incidents in the area of responsibility. These missions were completed without problems.

USAAVNC/S Medical and Administrative Emergency Aircraft Support Plan, dated 26 May 1972, was published to provide immediate reaction by aircraft and crews to medical and/or administrative emergencies. This plan delineates procedures and responsibilities for obtaining aircraft and crews during duty and nonduty hours.

The Hurricane Alert and Evacuation Operation Plan was executed 18-20 June 1972 due to Hurricane Agnes. USAAVNC/S aircraft were protected primarily by stacking inside hangars and the use of heavy vehicles as wind breaks for those remaining outside. The maximum wind at Fort Rucker, as a result of Hurricane Agnes, was 32 knots sustained wind at Cairns AAF, and wind gusts of 50 knots at Lowe Army Heliport. Fort Rucker activities did not sustain significant damage as a result of the winds or the 3.44 inches of rain.

USAAVNC/S Installation Security Plan, dated 24 Apr 72, was published to provide immediate reaction to disorders or breach of peace. It delineates responsibilities and outlines special equipment available to facilitate installation security.

The following improvements have been made to Emergency Operations Center (EOC) communications equipment which will result in greater communication ranges and flexibility during operations:

a. Installation of a 70-foot antenna system which provides UHF communications, tactical FM antenna, and a commercial FM Motorola Base Station for the USAAVNC/S Military Taxi Net.

b. Capability to enter and assume net control of the USAAVNC FM Common Net which includes DMEDA Fire Station and Military Police.

c. Hot line telephone communications to Aircraft Management Center, DOI.

d. Hot line telephone communications to WEATHERVISION, Det 9-16th Weather Squadron (MAC), US Air Force.

e. Capability to enter the Fort Rucker Command Information Channel, Channel 6, Daleville Cablevision, Daleville, Alabama.

Nuclear shipments through the Fort Rucker area of responsibility on 27 August, 16 September, 7 November and 15 November 1972 required portions of the Nuclear Accident/ Incident Control Plan to be executed which resulted in placing the Nuclear Emergency Team (NET) on alert. Required quarterly exercises were conducted on 28 Jan, 29 Mar, 29 Jun, 14 Sep and 1 Nov 1972. The field training exercises on 1 Nov was observed by the CDR and observers from Mississippi Army National Guard and Highway Safety Patrol and HQ, Third US Army.

An Air Defense Warning Test was conducted 26 Sep 72 in coordination with a US Army Strategic Communications Command representative to determine the audibility of the on-post siren system. The system was determined to be adequate.

In accordance with Third US Army General Order 369, dtd 26 Jul 72, DPTSEC published a movement order (LO 911, dtd 8 Aug 72) to relocate Company C, 46th Engr Bn to Fort Knox, KY, PCS effective 31 Aug 72.

DPTSEC published a letter of instruction to related documents transferring all emergency, contingency and support missions previously assigned 145th Avn Bn to 46th Engr Bn, effective 19 Dec 72.

#### OPERATIONS BRANCH

During the year 166 Center/School Briefings were given to visiting VIP's. Heading the list were the Honorable Robert Froehke, Secretary of the Army, and General Ralph E. Haines, CONARC Commander.

In March an instrument upgrade program was established to comply with the Department of the Army objective of a standard instrument qualification for every aviator. There were 438 standard tickets issued for a 99% completion prior to 31 December 1972.

Armed Forces Day was celebrated successfully on 20 May 72. Participation included 63 R/W aircraft; 5 F/W aircraft; the US Army Silver Eagles; and the Fort Rucker Sport Parachute Team.

#### USAAVN MUSEUM

The Museum had 108,531 visitors during the calendar year 1972. A total of 202 groups consisting of public school children, college students, Head Start, orphanages, military and civilian VIP's civic clubs, and other organizations visited the Museum on tours conducted by Museum personnel.

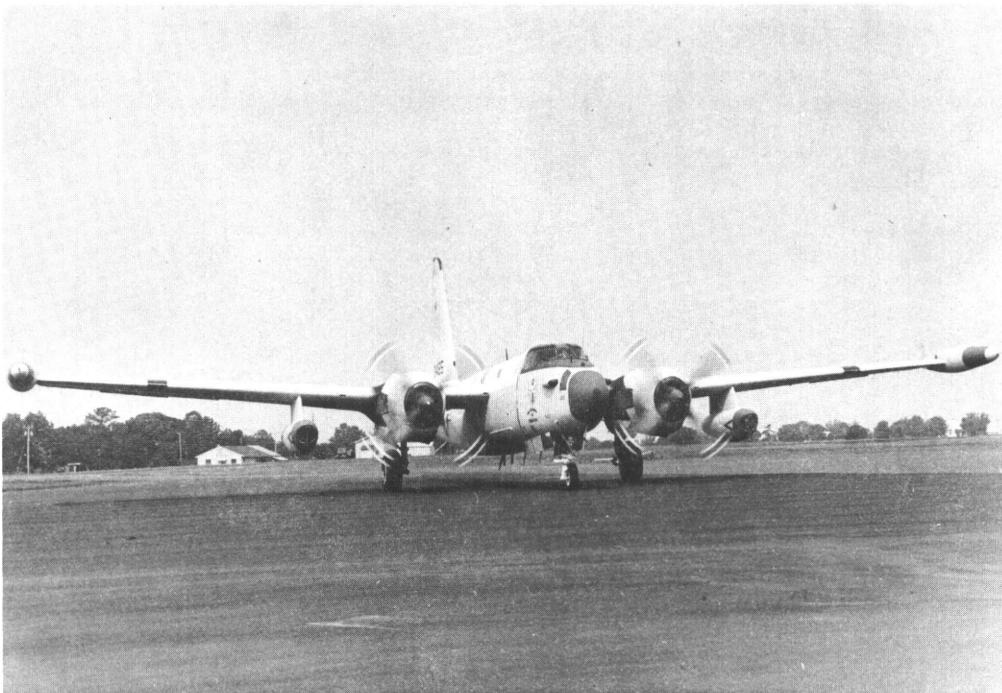
Historical items donated or transferred to the Museum during 1972 totaled 192, ranging from small personal items to complete aircraft. Some of the more notable items acquired were:

- a. Lockheed YO-3A (quite airplane)
- b. U-1A "Otter" airplane
- c. North American T-28A airplane

- d. Lockheed SP-2E "Neptune" airplane
- e. Cessna T-41B airplane
- f. Piper L-4B airplane
- g. Rotorway "Scorpion" helicopter
- h. Hiller OH-23F helicopter
- i. Hiller OH-23G helicopter
- j. "Headhunter" statue from 219th Aviation Company, Vietnam

An Army L-18C aircraft was restored to flying condition and licensed by the FAA.

A Welcoming Ceremony was held on November 8 for the 66th Infantry Panther Veterans Organization and the unveiling of the display commemorating Fort Rucker as the home of the 66th Infantry Division.



TRAINING/RANGE DIVISION

PERSONNEL

Ch, Training/Range Div

MAJ Harry R. Culp, Jr. - 1 Jan - 31 Dec

ACCOMPLISHMENTS

The following units conducted Annual Training as indicated below:

<u>UNIT</u>	<u>COMPONENT</u>	<u>TRAINING DATES</u>
173d Quartermaster Co Greenwood, Mississippi	USAR	4 - 17 Jun
323d Aviation Co (ATC Sec) Jackson, Mississippi	MS NG	4 - 17 Jun
307th Aviation Co Birmingham, Alabama	AL NG	10 - 24 Jun
3343d US Army Hospital (Surg) Mobile, Alabama	USAR	11 - 24 Jun
323d Medical Detachment Memphis, Tennessee	USAR	11 - 24 Jun
380th Medical Detachment (Dental) Memphis, Tennessee	USAR	11 - 24 Jun
217th Military Police Co Auburn, Alabama	AL NG	18 Jun - 1 Jul
301st Finance Sec Troy, Alabama	USAR	23 Jun - 9 Jul
894th Quartermaster Co Jackson, Mississippi	USAR	2 Jul - 15 Jul
189th Judge Advocate Tm Chattanooga, Tennessee	USAR	2 - 15 Jul
129th Medical Hospital (Surg) Tuskegee, Alabama	USAR	9 - 22 Jul
165th Judge Advocate Team Jackson, Mississippi	USAR	16 - 29 Jul
166th Judge Advocate Team Jackson, Mississippi	USAR	30 Jul - 12 Aug
1146th AG Personnel Services Enterprise, Alabama	AL NG	5 - 19 Aug

The installation hosted Reserve Component units on 98 occasions for an average of 1,418 personnel per month during CY 72. Support provided included administrative, logistical, medical, and range/maneuver areas. At the conclusion of 1972, the installation had seven units active in the Mutual Support Program.

Logistical and administrative support was coordinated for the Corps, FOC sections of the 72d Avn Co (ATC) participating in the following exercises:

<u>EXERCISE</u>	<u>DATE</u>	<u>LOCATION</u>
Brave Shield I (FTX)	18-25 Jan	Hunter Stewart, GA
Gallant Hand 72 (FTX)	15-30 Mar	Ft Hood, TX
Exotic Dancer V (FTX)	15-25 May	Ft Bragg, NC
Caber Dragon C (CPX)	4-6 Nov	Ft Bragg, NC
Brave Shield III (FTX)	29 Nov - 12 Dec	Hunter Stewart, GA

During CY 72, 418 personnel from the installation attended Army Services Schools. Additionally, the post conducted OJT/AIT training for 230 personnel. The Basic Leadership Course for Junior NCO's and Specialists, implemented in December 1971, continued through the middle of July 1972. A total of 440 personnel attended the course with 353 graduating from the 19 classes presented.

A new NRA Pistol Range for the Marksmanship Detachment was completed in December 1972. The new range located near the intersection of Hatch and Engineer Roads is expected to stimulate interest in the individual use of small arms. In addition to the support provided various high schools (JROTC), the detachment provided classroom and range instruction for the Southeast Alabama Regional Police Academy (Region 7).

Waiver requirements for firing the M-22 (Anti-Tank Wire Guided Missile) were deleted by shifting this firing from Blacksmill to Range V. Changes to AR 385-63 deleted waiver requirements for firing the 2.75 FFAR. This action has eliminated all waiver requirements for Fort Rucker.

The fourth annual AUSA Wiregrass ROTC Rifle and Drill competition, and the eighth annual Southeastern Junior ROTC Drill Meet were supported by the installation during 1972. Approximately 900 cadets participated in the two events. Support included billets, mess, competition judges and drill facilities.

#### FORCE DEVELOPMENT DIVISION

##### PERSONNEL

Ch, Force Development Div                    LTC Richard V. Coulter   -   1 Jan - 31 Dec 72

##### ACCOMPLISHMENTS

Change 1 to USAAVNC Regulation 10-1, Organization and Functions Manual, was published in January. It reflected organizational changes recommended by the FY 1971 CONARC Manpower Survey Team.

A CONARC Manpower and Equipment Utilization Survey was conducted in June on the following Program 8 School Troop Units:

5th Inf Det (PFDR/ABN)

Co E, 30th Inf

260th FA Det (105MM)

Preparation for the Installation Equipment Survey began in October. The USAAVNS Equipment Survey TDA was completed and submitted to CONARC in December. The survey of MEDDAC and TUSA Training Aids will commence in January, 1973, to be followed by HUMRRO and USAAVNC.

The Case Study and Justification Folder on the Installation and Activity Consolidating Realignment, Reduction and Closure was submitted to CONARC in November.

An organizational structure and TDA was developed for the USAAVNS to implement the CONARC-directed "School Model". The document was submitted to CONARC on 30 November.

A total of 15 MTOE/TOE actions were accomplished during the year. Most of these were alignments of manpower allocations and troop reduction programs. Fourteen TDA/MTDA's were processed during the year: 3 for the USAAVNC, 5 for the USAAVNS, 3 for MEDDAC, 1 for TUSA Training Aids, 1 for the USA Aviation Precision Demonstration Team (Silver Eagles), and 1 for HUMRRO.

### SECURITY DIVISION

#### MISSION

To advise and assist the Director of Plans, Training and Security on all intelligence, counterintelligence, and security matters.

#### ACCOMPLISHMENTS

During this Calendar Year, the Security Division, processed 6,890 security clearance actions; conducted 196 security inspections; denied, suspended, or revoked 5 security clearances; and received and processed 681 documents classified SECRET or higher. There were no security violations at Fort Rucker, Alabama, during this reporting period.

### TUSA TRAINING AIDS CENTER

#### PERSONNEL

Director - Mr. Jimmy L. Goodson

#### ACCOMPLISHMENTS

Continued efforts by the Training Aids Center in designing and fabricating relatively complex devices instead of procurement through industrial sources, reveal considerable saving in man-hour and raw materials.

Examples of trainers fabricated during 1972 are:

- a. FR-D-1004 Projection Booth, Rear Screen, 21" x 31½", Plastic Laminated Cover.
- b. FR-D-1011 Map Board, (Camp Shelby Reservation) 8' 12', Magnetic (National Guard).
- c. DR-D-1017 UH-1 Pilots Instrument Panel with Manually Operated Instruments.
- d. FR-D-1021 Driver Training Range, Portable, (National Guard).
- e. DR-D-1023 T53-L-7 Engine, Cutaway, Motorized.
- f. FR-D-1029 OH-58 Main Rotor Blade Cutaway.

New devices received and/or accepted and assigned to the Training Aids Center during

1972 are as follows:

- a. DVC-1-89, Model 2A27D, Trainer, Flight simulator, UH-1D/8, TS3-L-13.
- b. DVC-1-25, Model 12BC83, T-34-B A/C Landing Gear Flap and Brake Systems Trainer.
- c. DVC-1-103, Model 2C35, UH-1H Cockpit Procedure Trainer.

#### WORK LOAD DATA

Effective training aids support was rendered during 1972. Work requests in the amount of 2,679 were processed resulting in 4,169 devices fabricated, 238,014 graphics fabricated and 2,784 devices repaired and/or maintained.

A major device project, the UH-1 Fuel System Trainer, was begun during CY 1972. This device was designed by the TAC and is being fabricated by the Device Branch with scheduled delivery to the Department of Maintenance in early 1973. This device features a backlighted, electronically controlled, animated panel, simulating the fuel system operations under all conditions.

Three new instructional programs were begun at the USAAVNS which required priority support by the TAC Graphics Branch. These programs were Non-Commissioned Officer Educational System (NCOES), Nap-of-the-Earth Flight (NOE), and Department of Maintenance Self-pace training.

Supply action has increased greatly during this period of operation. Off-post hand receipt accounts for National Guard, Reserves and ROTC units have increased to 190 and on-post accounts to 90. Additional off-post accounts are being authorized to support aviation orientated units.

Device 15G16 and 15G16A, Radar Laboratory, was moved from the Tank Hill area, building 8221, and relocated in building 5205. This move was started on or about 15 Oct and completed on 22 Dec with minor alignment and readjustments being required during early Jan. This move was accomplished as an in-house action and utilized personnel jointly assigned, TAC, DGS, DIO Maintenance, and USADA. During this move an interim lab was located in building 6031 and utilized as a training site. This interim lab is being removed and all equipment used will be returned to original location by 15 Feb 1973.

#### SCHOOLS

a. The annual plastic technology course at Georgia Institute of Technology, Atlanta, Georgia was attended by Mr. Jimmy L. Goodson, Mr. Jeffery G. Aycock, and Mr. W. B. Jinwright. This was a five (5) week course for 1972.

b. The Training Aids Service Officer (TASO) Course taught at Fort Gordon, Georgia was attended by Mr. Jimmy L. Goodson and Mr. R. H. Grimshawe.

This Training Aids Center provides training aids for the United States Army Aviation Center and Fort Rucker and for Reserve Forces and ROTC units in the southern half of Mississippi, southern half of Alabama, and ten (10) counties in northwest Florida. Units supported include active Army, reserve forces and ROTC programs. Supported units and activities use a wide variety of training aids, particularly 35mm slides and transparencies, which are provided through approved request channels to support Army aviation subjects taught in military installations throughout the world.

US ARMY AVIATION PRECISION DEMONSTRATION TEAM  
"SILVER EAGLES"

PERSONNEL

Commander LTC Dick E. Roach - 15 Mar 72 - 17 Jun 72  
MAJ Billy J. Bowling, Sr. - 18 Jun 72 - 16 Oct 72  
LTC Donald S. Galla - 11 Dec 72 -

ACCOMPLISHMENTS

On 4 Mar 72, this HQ established the US Army Aviation Precision Demonstration Team "Silver Eagles" (USAAPDT) per DA guidance to participate in the International Transportation Exposition, TRANSPORT '72, at Dulles International Airport from 27 May 72 to 4 Jun 72.

Officers were selected on the basis of aircraft qualifications, experience, accident records, medical history, and branch approval. Enlisted personnel were selected on the basis of experience, desire, and availability.

Technical advisory assistance was provided by US Army Aviation Systems Test Activity, Edwards AFB; Bell Helicopter Co; and Hughes Tool Co. Representatives of these organizations met with team members and discussed aircraft capabilities, unusual maneuvers, and maintenance.

Team training commenced on 21 Mar 72 and included physical training, formal maintenance classroom instruction, and flight training.

The first public performance of the Silver Eagles was at Cairns AAF for Armed Forces Day on 20 May 72 where approximately 7500 spectators viewed the show.

Silver Eagle aerial demonstrations were presented to more than one million spectators at TRANSPORT '72 on 26, 27, 28, 29 and 31 May 72 and 2, 3, and 4 Jun 72. Team autograph sessions were held at the Modern Volunteer Army Exhibit following each performance with over 5,000 team pictures being signed and distributed to the public.

After returning from TRANSPORT '72, the Silver Eagles performed for the celebration of the 30th Anniversary of Army Aviation held at Guthrie AAF on 6 Jun 72.

On 12 Sep 72, the Silver Eagles performed at Hunter AAF, Savannah, GA in conjunction with the AUSA recruiting program.

On 11 and 12 Nov 72, the Silver Eagles gave their first performance as the official US Army Aviation Precision Demonstration Team at Lakefront Airport, New Orleans, LA. Approximately 10,000 spectators viewed the performances.

The 1973 Scheduling Conference for Armed Forces Flight and Parachute Demonstration Teams was held in Washington, DC on 13-15 Dec 72. The Silver Eagles were represented by LTC Donald S. Galla, MAJ Billy J. Bowling, Sr., and CPT Gerald P. Kokenes. The 1973 schedule for the Silver Eagles includes 55 performances at 34 locations throughout the United States beginning 6 Mar 73 and ending 1 Dec 73.



DETACHMENT 9, 16TH WEATHER SQUADRON (MAC)

PERSONNEL

Commanding Officer - LTC Robert E. McGee, Jr.

Personnel Status - 31 Dec 72

	<u>Authorized</u>	<u>Assigned</u>
Officers	5	5
Airmen	30	30

SERVICES PROVIDED

Detachment 9 provides a variety of services on a 24 hour-a-day, 7 day-a-week, year-round basis. This includes notification of impending severe weather for the Fort Rucker complex, complete meteorological watch of the local flying area, remote briefing service for nearby stations which have limited hours, and radar meteorological watch of the 200 nautical mile of Fort Rucker. Communication facilities include one of the largest military closed-circuit "Weathervision" networks in existence, over which forecasts, warning, briefings, and advisories are disseminated to the various using agencies. The detachment also operates both UHF and VHF pilot-to-forecaster radio service. Like all Air Force weather detachments, Detachment 9 has a variety of telecommunications equipment where the continental US weather is continually updated and forecasts and observations for anywhere on earth can be obtained rapidly.

ACCOMPLISHMENTS

Completed 22,111 outbound pilot briefings (DD Form 175-1).

Provided weather support for 158,650 local flights (DD Form 1080, local DD 175-1 etc).

The maintenance team from Warner-Robins AFB, Georgia completely rehabilitated the FPS-77 radar.

The wives of Detachment 9 provided substantial support to the Fort Rucker POW/MIA committee and other ACS activities.

Over 300 Army Air Traffic Controllers were provided with weather training and certified to take limited weather observations.

The forecast section correctly forecasted the severe weather outbreaks of 2 March, and 28 March 1972.

Provided continuous advisories to the EOC on hurricane "Agnes" on 18 through 20 June 1972.

The forecast section changed over to the Air Weather Service "Centralized Terminal Forecast Program" on 1 Aug 72. Under the new system, each detachment issues a four-hour "recovery" forecast and the Air Force Global Weather Central (AFGWC) at Offutt AFB, Nebraska issues a 20-hour "scheduling" forecast. Forecasts for periods over 24-hours are made by the detachment.

Early plans for the 1973 merger of the Base Weather Station and the Representative Observation Site were begun.

The detachment initiated a comprehensive radar training program, which has been called the best in Air Weather Service.

Assumed the duty of "Remote Briefing Station" and Radar "Buddy Station" for the various military installations in the South-East US which were decreased to "limited-service" stations on 1 July.

The enlisted billets were repainted and redecorated extensively on a "self-help" basis.



#### AIRFIELD OPERATIONS

##### MISSION

Airfield Operations' mission is to provide **air traffic control and services** for the Fort Rucker aviation training area. These control and service facilities are provided throughout a three-state area (Alabama, Florida, and Georgia) and include affiliation with aviation facilities in this area. Air traffic services are provided for advancing flight students through tactical and instrument training.

##### ORGANIZATION

Airfield Operations was reorganized on 11 October 1972 by GO #566. This resulted in the deactivation of Airfield Support Group (Prov), 1st Avn Co, 12th Co, and GRAFS Command (Prov). GO #566 reassigned the unit from the USAAVNS to the USAAVNC and put the administrative control of the troops under HQ Command. Operational control is under DPTSEC. Companies E and F, HQ Command, were formed and are the units of assignment for enlisted personnel in Airfield Operations. Airfield Operations is comprised of a Headquarters element, Administrative Section, Plans and Operations Section, Supply and Maintenance Division, Army Radar Approach Control Division (ARAC), and Instrument

Aviator Qualification Division. Two additional divisions, Base Airfield Support Division (BAFS) and Ground Radar Airfield Support Division (GRAFS), provide for maximum command control and support of the unit's mission.

#### PERSONNEL

Airfield Operations' authorized personnel strength is as follows: 27 officers, 7 warrant officers, 462 enlisted men, and 71 civilians. The total authorized organizational strength is 567. The personnel turnover rate averaged 70% during the year and the end of the calendar year saw Airfield Operations operating at 83% of assigned strength.

#### ACCOMPLISHMENTS

Aviators assigned to Airfield Operations flew a total of 6,630 hours in support of the USAAVNC/S mission. The support missions included aviator qualifications, ATC facility standardization flights, tactical training division support, cargo/passenger flights in the C-47, and facility visits by the Airfield Operations Headquarters element.

The rotary wing instrument fleet was moved from Lowe AHP to Cairns AAF in June 1972. This stationing plan alleviated the problems encountered by ARAC in controlling instrument flights from two adjacent airfields. The present stationing plan affords convenience for the aviators in obtaining flight plan, weather, and filing of IFR flight plans.

Reduction in student aviator training necessitated closing Knox AHP and Shell AHP. Consolidation of facilities at Cairns AAF, Hanchey AHP, and Lowe AHP enhanced training and afforded elimination of some cross-over route structures.

GRAFS Division repainted Toth and Hunt Stagefield towers, and the buildings at Esto radar site in October 1972. DFAE furnished the materials and all work was completed on a self-help basis. Improvements to Highbluff Stagefield included painting of the control tower and residing the stage house on the outside. The interior of the stage house was partitioned to afford a supply and storage area. All interior walls were covered with sheetrock, thereby improving the overall appearance of the stage house.

Airfield Operations Headquarters was moved to Building 101AB at Cairns AAF in September 1972. GRAFS and BAFS Divisions moved to Building 603AB at Cairns AAF in November 1972. This consolidated all the command elements of Airfield Operations at Cairns AAF with the exception of the Supply and Maintenance Division. This division remained on Fort Rucker proper for convenience of supply distribution to the base airfields.

#### INSTRUMENT AVIATOR QUALIFICATION DIVISION

The Instrument Aviator Qualification Division, formerly known as the Aircraft and Instrument Training Division, flew a total of 5,172 hours. This division has the responsibility of administering training to permanent party personnel of Fort Rucker in the T-41B, TH-13T, U-8D, T-42A, OH-58A, and UH-1H aircraft. The training during the past year included 252 instrument rating renewals in rotary and fixed wing aircraft, 84 of which are standard ratings resulting from the tactical instrument upgrade program. The USAAVNC C-47 received 60 flight requests during 1972. A total of 757 passengers and 118,500 pounds of cargo was transported in support of the overall mission.

#### ARMY RADAR APPROACH CONTROL

Once again the overall reduction in Army Aviation has had a negligible effect on the instrument operations count for CY 1972 at Cairns Army Radar Approach Control. This year's count was 139,536. It is significant to note that each year more rotary wing military aircraft and general aviation aircraft make up a larger share of the total. Cairns Central Control Facility (Hub Control), co-located with the ARAC, had a total

traffic count of 61,194 - a decrease of only 930 operations from the previous year. In addition, 399 aircraft mishap reports were handled, plus numerous severe and adverse weather warnings were disseminated.

In a continuing effort to more effectively utilize the airspace over the Fort Rucker area, the Army has joined forces with the Federal Aviation Agency and UNIVAC to implement installation of the Automated Terminal Radar System (ARTS III) in the Cairns ARAC. This significant new direction in terminal air traffic control modernization is the work of months of planning and coordination and will begin to take shape upon delivery of equipment in the spring of 1973.

Three controllers have been selected to attend the FAA Aeronautical Academy in Oklahoma City for the Data Systems Specialist Course. These men will complete their training just prior to the equipment delivery date. Consistent with upgraded services and equipment, the following actions were also accomplished:

a. All Letters of Agreement were updated.

b. Airfield Operations' area of jurisdiction was increased by assuming additional control in the northwest portion of the Fort Rucker area to include several miles of Federal airways.

Once again it has been a year of change as the Headland tactical center was converted to a GCA and Hub assumed their mission as a center. Plans are under way for a completely revised airway system in the advanced instrument area as a result of change from the TH-13T to the UH-1 for instrument helicopter training.

#### BASE AIRFIELD SUPPORT DIVISION

This division is comprised of six base airfields: Cairns AAF, Hanchey AHP, Lowe AHP, Shell AHP, Knox AHP, and Troy Municipal Airport. Operational and administrative functions for the base fields are directed to the BAFS Division Commander for coordination with the command element. Flight related and supply materials are distributed and monitored by the BAFS Division for the base fields. BAFS Division makes recommendations to the command element for manning and operation of facilities.

#### CAIRNS AAF

Cairns AAF Operations' total traffic count for the year of 1972 was 319,820. A total of 666 VIP's arrived and departed Cairns AAF during the year. Cairns AAF began 1972 with less than 90 aircraft on the field, primarily fixed wing, and continued as such until June when the entire rotary wing instrument fleet moved from Lowe AHP to Cairns AAF, bringing the total aircraft number to over 130 fixed and rotary wing. A parking plan to help segregate fixed and rotary wing aircraft was devised which included closing Runway 13 to all traffic and using it as the UH-1 parking area. Hoverlane lighting was installed as a self-help project for the UH-1's. Two additional helipads were added to help cope with the additional rotary wing traffic load.

Armed Forces Day saw Cairns AAF as the center of attraction for Fort Rucker. Over 5,000 spectators attended the celebration which featured many static displays and an airshow by the Silver Eagles, along with an airmobile combat assault demonstration. Other items of note for the year at Cairns AAF occurred in December when Senator Thurmond visited Fort Rucker and was provided a performance demonstration and static display of Army aircraft. Also, the month of December saw Fort Rucker as host to the Annual Army Aviation Program Review and during the two-day conference over 90 VIP's arrived or departed through Cairns AAF, including many general officers. All concerned were very satisfied with the smooth operation and handling of the VIP's.

#### HANCHEY ARMY HELIPORT

Hanchey AHP Operations count for the year was 135,350. This was 95,000 below the previous year. The reduction in operations was in line with reduced student aviator input. The Flight Dispatch Section processed a total of 56,268 flight plans, handling both VFR and IFR flights. Hanchey continued to be a very popular location for touring visitors, hosting a total of 4,275 VIP's, Moms and Dads, wives, and Boy Scouts. This total is a 1,000 reduction and is in ratio with reduced aviator input. DFAE accomplished considerable work in clearing obstructions in the vicinity of the VOR and GCA runway due to growth of vegetation affecting the navigational and landing aids.

#### KNOX ARMY HELIPORT

Knox AHP had a traffic count of 23,649; 275 DA Forms 1080; 507 Commanders Locals; and 33 DA Forms 175 to 15 June 1972, when the airfield was closed and put in caretaker status. The airfield was used for CH-47 storage area until September 1972. By the close of 1972, all CH-47 aircraft had been relocated to Hanchey AHP. The heliport was designated by DPTSEC on 10 August 1972 as a parking and maintenance facility for the Silver Eagles Demonstration Team aircraft.

#### SHELL ARMY HELIPORT

Shell AHP had a total traffic count of 60,411 operations for the first three calendar quarters of 1972. Shortage of operations personnel required the closing of the Operations Sections in May of 1972; flight plans were filed with the control tower. The reduced flight training prior to closure of the airfield afforded a satisfactory operation with reduced manning of the Operations Section. Shell AHP was closed and put in caretaker status on 15 September 1972. This resulted in all TH-13's and DOSS Aviation personnel being transferred to Lowe AHP.

#### LOWE ARMY HELIPORT

Lowe Army Heliport recorded a total of 198,480 operations during 1972. The large amount of operations is very significant in that Lowe AHP configuration was originally planned for a fixed wing airfield and does not lend itself to ease of operation for rotary wing aircraft. A tornado struck the west ramp of Lowe AHP on 13 January 1972, with 14 aircraft sustaining damage; nine aircraft received major damage, and five received minor damage. Hangar 120 and 135 sustained major damage. Seven civilian vehicles were damaged. The UH-1 rotary wing instrument fleet was transferred to Cairns AAF during June of this year. This restationing alleviated a serious over-parking situation at Lowe and enhanced flying safety on the airfield.

#### TROY AIRFIELD

Troy Municipal Airport is the only civil airport operated as a base field by Airfield Operations. This airfield is a fully FAA instrumented airfield, and the US Army operates all ATC functions on the airfield. A combined total of fixed and rotary wing traffic count was 65,174. A total of 5,246 ground controlled approaches was conducted in support of USAAVNC/S training. Initial construction was started by the 46th Engineers for the proposed IFF/SIF equipment at Troy. Installation of this equipment will greatly enhance safety of flight and aid the radar landing facility in identifying aircraft in their area of responsibility. LTC Persch, Chief, Airfield Operations, presented the first Quarterly Superior Performance Award for individual dedication to duty and professionalism on 14 March 1972. This award program was initiated as of 1 January 1972 through the efforts of CW3 Devine, Commander of Military Operations at Troy Municipal Airport. Numerous VIP's visited Troy during the year. The list of prominent VIP's visiting the Troy Airfield included MG Burdett, Commanding General, USAAVNC; and COL Campbell, Assistant Commandant, USAAVNS.

GROUND RADAR AIRFIELD SUPPORT DIVISION

GRAFS Division area of responsibility includes all training navigational and landing aids within a sixty-mile radius of Fort Rucker. Reduced flight training requirements and consolidation of facility use resulted in a requirement for eight stagefields and six radar facilities. Marianna Airport for US Army operations, and Longstreet Range were closed 7 January 1972, due to phasedown in training. Hunt and Louisville Stagefields' operations and towers were closed 21 January 1972. Campbellton radar center was inactivated and moved in April 1972. A reorganization of stagefield training areas was made 15 September 1972, resulting in the reopening of Hunt Stagefield and closure of Goldberg Stagefield. The mission of Headland radar center was changed from a center operations to GCA on 29 September 1972. Revised airspace for Dothan control zone encompassed the area of Rehobeth GCA causing ATC problems during marginal weather conditions. To eliminate this potential flight hazard, Rehobeth GCA was deactivated on 19 December 1972 and all equipment moved to Esto GCA on 22 December 1972. Esto GCA was operational and ready for service for the beginning of the new year training.

## DIRECTORATE, INDUSTRIAL OPERATIONS

### PERSONNEL

The following military personnel assignments were made:

COL Albert A. Johnson, Jr, Director, Industrial Operations, effective 8 March.  
LTC Lee P. Biggs, Jr, Chief, Housing Division, effective 25 February.  
LTC Leon P. Johnson, Chief, Services Division, effective 1 July.  
LTC Leonard Stein, Chief, Procurement Division, effective 25 April.  
LTC Donald M. Vosel, Chief, Aircraft Quality Assurance Division, effective 13 March.  
LTC James O. Poulnot, Chief, Plans and Operations Division, effective 13 March.  
MAJ Gene H. Lee, Chief, Supply Division, effective 1 May.

### PLANS AND OPERATIONS DIVISION

#### ACCOMPLISHMENTS

The Maintenance Assistance Branch performed the following assistance visits and maintenance inspections during 1972:

- a. Roadside spot check inspections: 185
- b. IG assistance inspections: 20
- c. Inspection General visits: 32
- d. Other (TMP inspection points, etc): 170

The Supply Assistance Branch performed the following inspections during 1972:

- a. Command supply inspections for Fort Rucker units: 53
- b. Command supply inspections for Jr and Sr ROTC units in South Alabama, Southern Mississippi, and Northern Florida: 42
- c. Supply assistance visits: 61
- d. Furnished supply inspector for IG Team: 10

Project Scrub Clean Worldwide was initiated, and 82 separate line items were reported as excess with a value of \$69,560.88.

The Equipment Survey Program was completed in 1972 on high dollar value items listed on the TDA to determine if equipment was justified. The end result of this program was a decrease in equipment authorization with an equipment savings of \$104,257,558.00.

This activity also processed 54 reports of survey. The publication of a new AR 735-11 has changed the procedure for reporting lost or damaged property. Inventory Adjustment Report (DA Form 444) procedures have nearly replaced the report of survey system. This office has the responsibility of monitoring this system under the Supply Discipline

Program and command inspection. Under the new procedures, the responsibility to account for lost or damaged property is now inherent to the chain of command.

Maintenance Assistance and Instruction Team (MAIT) support continued to be received from Third US Army. USAAVNC Circular 750-1 was implemented which established a Maintenance Assistance Team at Fort Rucker.

The Army Maintenance Management System (TAMMS) editing included over 14,000 source documents screened, corrected, and transceived.

The Plans and Operations Division acted as the point of contact and USAAVNC/S planning activity during the year for numerous Post activities to include the 1972 Army Aviation Program Review Conference.

## SERVICES DIVISION

### ACCOMPLISHMENTS

The Army-operated laundry at Fort Rucker provides various laundry services to installation military personnel at the most economical price available in the area. Over-the-counter individual piece rate service is provided to retired military and military dependents in addition to personnel on active duty. During 1972, new services were added. In January, the laundry initiated pickup and delivery service to units on a scheduled basis, and a laundry-wide policy was adopted to deliver all processed outer garments on hangers. Action has been taken to establish a centrally located laundry pickup point as soon as suitable space is available. A \$2.00 cash-per-bundle service was implemented in March to accommodate military personnel not participating in the payroll-deduction plan, and those arriving on Post too late in the month to sign up for that month's payroll-deduction service. During the first 11 months, the average monthly number of patrons on payroll-deduction service was 1,047; and when compared with the monthly average of 1,543 for the last 6 months of CY 71, reflects a decline attributed to reduction in Post military population. This decline in work load was offset by a reduction in the number of laundry personnel. The average monthly number of individual piece-rate patrons for the 11-month period is 827 compared with the monthly average of 523 for the last 6 months of CY 71, reflecting an increase in this service.

Food Service has conducted and extended assistance and technical advice for the troop subsistence program. All dining facilities serve short order meals in conjunction with the regular noon meal except for the US Army Aviation Test Board facility. The Army Ration Credit System was implemented in all dining facilities as of 1 Jan 72. On 13 and 14 Jan 72, Food Service activities on Post provided sandwiches, cakes, pies, coffee, and noncarbonated beverages to personnel involved in the tornado disaster at Lowe Army Heliport and in Pine Brook Trailer Park. Consolidation of the 1st Avn Co, 31st Co and 46th Engr Bn with other dining facilities has been accomplished to insure optimum conditions for food service to the troops. The box lunch kitchen was closed with the mission assumed by individual dining facilities. Civilian KP contract service was initiated in all dining facilities at Fort Rucker effective 5 Jul 72. Food Service personnel visited Fort Lee, Virginia to observe and receive information on the operation of a specialty house. A new Cold Storage Facility was completed and opened in October for the issue of subsistence.

The Commissary Resale Store increased its service to the Commissary patrons by participating in a year-long trial program of promotions and sales through redemption of redeemable coupons and/or actual lower prices on merchandise. The promotions and sales were well advertised through the means of sale papers and the Army Flier. Savings to the Commissary patrons during this period were \$2,100.74 through the redemption of coupons and \$7,691.52 through lower prices on merchandise, for a total net savings to the patrons of \$9,792.26.

## HOUSING DIVISION

### ACCOMPLISHMENTS

The Senior Enlisted Bachelor Quarters (SEBQ), building 312, was opened for senior enlisted men on 15 Feb 72. The Hi Rise BOQ, building 308, was completely furnished in Jan 72, giving an additional 80 rooms. All geographical bachelors were moved into permanent BOQ's and the use of temporary BOQ's was discontinued.

The waiting lists for family housing were equalized for enlisted men versus officers by reallocating 106 sets of quarters from officers to enlisted men. Eighteen sets of prestige quarters were provided for E-9's and 30 sets of prestige quarters were provided for E-7's and E-8's.

During CY 72, the Family Housing Branch terminated and assigned 2,207 sets of quarters. This is an increase of 39.9 percent over the average for the past five years.

The method of preparation of name signs for family quarters was changed from hand lettering to stick-on name lettering with the work being done at the Housing Division rather than DFAE.

Exterior painting for all MCA and Capehart family housing quarters was completed during CY 72.

Work was completed on reroofing 320 carport roofs. Bids were opened 8 Dec 72 on a contract to reroof the remaining 650 carport roofs.

The supply functions of the Billeting Branch and Family Housing Branch were consolidated, and an Installation Furnishings Management Section was organized. Since 1 Jul 72, this section completed 2,772 transactions, involving pickup, delivery, or exchange of household furnishings in the three housing areas. Pickup and delivery of BOQ furnishings for the CY 72 were 3,419 pieces.

Off-Post Housing Referral has 7,884 rental units listed for rent on a nondiscriminatory basis. This is an increase of 189 from 1 Jan 72.

The Guest House was closed on 26 Mar 72. Negotiations were made with local motel/hotel managers to have reduced rates for the military personnel and guests if they coordinate thru the Off-Post Referral Office; registration clerk, Billeting Branch; or the Army Community Services Office.

## AIRCRAFT QUALITY ASSURANCE DIVISION

### ACCOMPLISHMENTS

Intensive maintenance evaluation was conducted throughout the year on the proximity warning device (PWD). A prototype for UH-1B installation was developed at Fort Rucker and installation is now in progress.

Maintenance facilities were consolidated at Cairns, Hanchey and Lowe Airfields due to the closing of Shell and Knox Fields.

UH-1B helicopters are being accepted as replacement instrument trainers for the TH-13T's which are scheduled to be phased out by March 1973.

The Aircraft Quality Assurance Division coordinated the transfer of over 300 aircraft onto and away from Fort Rucker during the calendar year. Primarily as a result of these transfers, the following changes in the USAAVNC/S inventory occurred during CY 72:

<u>Aircraft Density - 2 Jan 72</u>	<u>Aircraft Density - 31 Dec 72</u>	<u>Change</u>
722	495	-227

PROCUREMENT DIVISION

ACCOMPLISHMENTS

The Procurement Division executed and administered the following contractual programs:

Contract DABCO1-72-C-0011, Northrop Worldwide Aircraft Services (formerly PAMI):

The contract for aircraft maintenance was renewed for FY 73 by exercise of the option clause as provided under the terms of the contract. A delay in negotiations was encountered as a result of the de-escalation of the flight hour program and several changes in the forecasted student inputs that were beyond the control of this headquarters. Aircraft were maintained during this period and all schedules were met by the contractor. Final negotiations for FY 73 aircraft maintenance resulted in a total estimated contract cost of \$18,521,365, including fees.

The contract contains multiple incentive provisions on cost and performance to include quality whereas prior contracts contained an incentive on cost only. Another deviation from previous contracts is the deletion of the "excluded cost" areas thereby placing all work in the target cost. These features, coupled with a method of measuring quality and including an incentive or bonus for providing quality aircraft to a point, have been hailed by higher headquarters as a step in the desired direction.

Contract DABCO1-71-C-0151, Doss Aviation, Inc:

Contract No. DABCO1-71-C-0151 with Doss Aviation Inc. for rotary wing instrument training contract contained an "option to extend" provision. Determination to exercise the option was made and contract was renewed for the period 1 July 1972 through 30 June 1973 in the amount of \$635,706.84.

As a result of a course change covered by the scope of work and the assumption of advanced instrument qualification training on 4 Dec 1972 by the contractor, negotiations are in process that will increase the contract cost.

Contract DABCO1-71-C-0152, Southeast Aviation:

This contract provides fixed wing training and was renewed by the Government's unilateral exercise of the option clause contained therein in the amount of \$296,971. Modification P00012, executed on 6 October 1972, increased the amount by \$13,886, thereby changing the total dollar amount to \$310,857. This increase was created by an increase in student input in the Fixed Wing Qualification Course.

Contract DABCO1-73-C-0008, Spear Service Inc:

Requirement for refueling and defueling of aircraft was received and IFB submitted to 30 prospective bidders to be opened 14 April 1972. Only one bid was received. Award was made to Spears Services, Inc., for the period 1 July 1972 through 30 June 1973 with two one-year options to renew the contract. The estimated amount of this contract is \$578,206.

The contractor furnishes all equipment to service Fort Rucker aircraft within a 50 nautical mile radius.

Contract DABCO1-73-0018, Sentinal Protective Services:

A requirement was received for furnishing protective guard service. The Small Business

Administration requested the contract be negotiated under the 8(a) program. The 8(a) program was established by executive order to aid minority groups in the establishment of their own business.

Negotiations were conducted with prime contractor, Small Business Administration and sub-contractor, Sentinel Protective Services of Dothan, Alabama. Contract was awarded in the amount of \$997,726, for the period 1 July 1972 through 30 June 1973.

Contract DABCO1-73-C-0019, Kleen-Rite Janitorial:

A requirement was received covering kitchen police services for 4 mess halls. Invitation for Bid was mailed to 43 prospective bidders on 22 May 1972.

Bids were opened 22 June 1972 from 8 bidders. The bids ranged from \$119,080.00 to \$270,443.35. Contract was awarded to Kleen-Rite Janitorial Services, Inc. on 29 June 1972 for the period 1 July 1972 through 30 June 1973.

Contract DABCO1-72-C-0208, Dynamic International, Inc:

Determination was made that it was in the best interest of the Government to exercise the option to extend the contract with Dynamic International, Inc. covering refuse collection in the family housing areas for the period 1 July 1972 through 30 June 1973. Contract was renewed at the unit price established in the contract for a total estimated cost of \$90,660,00.

Maintenance, Repair, and Alteration Contracts:

Invitation for Bids, covering 48 projects, were awarded during calendar year 1972. Contracts in the total amount of \$1,444,276.00 were awarded and administered during this period. These contracts covered a variety of services such as alterations, painting and paving at numerous USAR Centers, interior and exterior painting and reroofing family housing units, resurfacing of Third Avenue, construction of metal building, installation of dishwashers, renovation of Drug Abuse Center, repair of sanitary sewer line, and miscellaneous alterations and repairs.

#### TRANSPORTATION DIVISION

##### ACCOMPLISHMENTS

Total number of job orders accomplished during CY 72 for maintenance service and repairs on all types of administrative vehicles were 8,674.

The following transportation management services relating to commercial transportation of persons and things at this installation were provided during CY 72:

- a. Household goods shipments processed: 12,680
- b. Tons of freight shipped and received by the Material Movement Section: 79,713
- c. Passengers processed by the Personnel Movement Section: 11,399

Travel arrangements for the Christmas-New Year holiday leave period were made for 510 personnel. This is a decrease of 497 personnel from 1971. Increased travel by commercial means during this period resulted in use of two aircraft over the number regularly scheduled.

# DIRECTORATE, COMMUNICATIONS-ELECTRONICS

## AUDIO VISUAL SUPPORT CENTER

### ACCOMPLISHMENTS

During the calendar year 1972 the Audio Visual Support Center loaned a total of 4,123 unclassified training, information, or miscellaneous films to various civic groups, educational institutions and hospitals located in northwest Florida, Alabama, and southern Mississippi. The films were shown a total of 12,289 times with 98,312 persons attending.

A total of 34,263 films were shown 98,729 times to 1,898,320 persons throughout the US Army Aviation Center and School.

The following equipment was received from Fort Stewart, Georgia, during August 1972: 19 each Kodak Carousel, model 850 and 27 each Jetronic ASP-101 synchronized tape player used in conjunction with the Kodak Carousel slide projector.

During 1972, 214 Rheem-Califones, model AV-80 cassette recorders and 190 Kodak Ektagraphic slide projectors were procured in support of the Self Pace Program.

In November the Audio Visual Systems Division Offices and the Audio Visual Support Center moved from building 518. The Audio Visual Systems Division Office and the Audio Visual Equipment Maintenance Section are now located in building 603. The Audio Visual Support Center is now located in building 602.

## PHOTOGRAPHIC BRANCH

### ACCOMPLISHMENTS

The Center Photo Lab produced 734,368 negative equivalents during 1972 in support of US Army aviation training.

## TELEPHONE OPERATIONS AND MAINTENANCE BRANCH

### ACCOMPLISHMENTS

Three additional telephone key systems and a new weather reporting system were installed during 1972.

## TELECOMMUNICATIONS CENTER BRANCH

### ACCOMPLISHMENTS

Installation of the UNIVAC DCT 9000 AUTODIN system was completed during the First Quarter of FY 73. The new system provides data card, paper tape, and magnetic tape capabilities for transceiving traffic of all security classifications. This system provides full telecommunications support for BASOPS and also is in support of the DOD AUTODIN field data phase out program providing for conversion of all field data terminals to full 128 character ASCII.

NAVIGATIONAL FACILITIES BRANCH

ACCOMPLISHMENTS

The following navigational aid sites were closed during 1972:

Shell Army Heliport  
Knox Army Heliport  
Marianna, Florida Airport  
Rockyhead Tactical Training Facility  
Capps Tactical Training Facility  
Campbellton Tactical Training Facility  
Esto Tactical Training Facility  
Rehobeth Tactical Training Facility

All navigational aids and communications equipment were left in place at Shell Army Heliport.

All navigational aids and communications equipment were removed from Knox Army Heliport and Marianna, Florida Airport and stored.

All navigational aids and communications equipment were removed from Rockyhead, Campbellton, and Esto and stored with the exception of AN/TPN-18 radars which were transferred to the Air Traffic School.

All navigational aids and communications equipment were removed from Capps and installed at TAC Runkle.

All navigational aids and communications equipment were removed from Rehobeth and installed at Esto.

The following are new facilities installed during 1972:

TAC Runkle GCA and Flight Control Center, Bainbridge, Georgia TVOR  
AN/FPN-40 Air Traffic Control School  
AN/TPN-18 Air Traffic Control School

# COMPTROLLER

## ORGANIZATION

In July, the Edit Control function of the Finance and Accounting Division was transferred from the Military Pay Branch to the Quality Assurance Branch.

## VISITS AND INSPECTIONS

On 3 and 4 January, Colonel W. A. Tieman, Comptroller, and Mr. J. M. Lindsey, Budget Division, represented Fort Rucker at a conference conducted at CONARC on the Cost to Conduct Enlisted Maintenance Training at Fort Rucker.

During the period 10-14 January, a representative from Comptroller, Third US Army, conducted a review of the implementation of the Joint Uniform Military Pay System-Army (JUMPS-Army). Overall procedures for implementation were progressing satisfactorily.

On 22 March, Mr. D. L. Wright, Deputy Comptroller, represented the Comptroller at the seminar on Command Training-Commercial and Industrial Activities Program conducted at Third US Army.

On 27 March, representatives from Office, Secretary Defense and Department of the Army visited the Comptroller relative to budgeting and costing procedures to include contract funding.

During the period 17-21 April, Mr. Roy Locklar, Installation Accountant, attended the conference on Financial Systems, conducted at Third US Army, Atlanta, Georgia. Following this conference Mr. Locklar traveled to several Third US Army installations to assist in conducting seminars on Base Operations Systems (BASOPS) scheduled to be implemented effective 1 December 1972.

During the period 8-10 May, Colonel W. A. Tieman, Comptroller, and Mr. Roy Locklar, Installation Accountant, represented Fort Rucker at the Financial Affairs Conference conducted at CONARC, Fort Monroe, Virginia.

During the period 18-22 September, representatives from Comptroller, Third US Army, conducted a review of the functions of all divisions of Comptroller. The overall performance of functions was satisfactory.

During the period 25-27 October, representatives of Comptroller, Third US Army, conducted a review of the Finance and Accounting Division. The overall performance of financial services was excellent.

## PERSONNEL

On 12 January, CPT George L. Gruggett was awarded the Army Commendation Medal for Meritorious Service while assigned as Assistant Finance Officer, Finance and Accounting Division.

During the period 19-28 April, Mr. Billy Grantham, Chief, Management Analysis Division, attended the Personnel Management for Executive Course conducted at Atlanta, Georgia.

On 8 May, Mr. R. J. Flournoy was assigned as Chief, Management Services Branch, Management Analysis Division.

On 22 May, Colonel W. A. Tieman was awarded the Legion of Merit for Meritorious Service while serving as Comptroller, USAAVNC/S, Fort Rucker, Alabama.

On 30 May, Colonel W. A. Tieman was retired from service in the US Army after serving 31 years and 5 months.

On 5 July, Mr. Danny L. Wright was temporarily appointed Comptroller, USAAVNC/S, Fort Rucker, Alabama.

On 21 August, Mr. Donald B. Wilson was appointed Deputy FAO, Finance and Accounting Division.

On 20 September, Colonel Milton R. Thompson was assigned Comptroller, USAAVNS/S, Fort Rucker, Alabama.

During the period 20 November - 8 December, Mr. R. J. Flournoy, SFC James E. Hodges, and SSG Leonard J. Eller attended MAPTOE Instructions Course Number 1 conducted at Fort Benjamin Harrison, Indiana.

#### INSTALLATION ACCOUNTANT

##### ACCOMPLISHMENTS

Department of the Army announced by message on 3 March 1972 that extension of the Financial Subsystem of the Base Operating Information System (BASOPS) to Fort Rucker would not be made in FY 72.

The Installation Accountant attended a conference at Third US Army, Atlanta, Georgia, 17-21 April 1972 on financial systems, excluding BASOPS. Subjects included manpower reporting, BASOPS interface systems, civilian payroll, budget and review and analysis reporting, and system changes.

A new schedule for extension of BASOPS was established by Third US Army, 21 April 1972 that set 1 December 1972 as the operational date for Fort Rucker.

Third US Army conducted a refresher functional training course on the financial management subsystem of BASOPS 16-20 October 1972. Representatives of all program directors, all supply divisions, tenant activities and all divisions of the Comptroller attended.

Action to convert old accounting records maintained under Third US Army standard systems to the BASOPS system was initiated on 20 September 1972. Conversion was completed 10 December 1972, to include cumulative dollar values through 30 November 1972.

The initial daily cycle of accounting transactions under the BASOPS system was input on 12 December 1972.

#### INTERNAL REVIEW DIVISION

##### ACCOMPLISHMENTS

a. Review by the United States General Accounting Office (USGAO). The USGAO visited this headquarters during the period 2-6 October 1972 in connection with their review of interservice capability for conducting undergraduate helicopter pilot training at Fort Wolters, Texas. The purpose of this review is to compare the cost and training methods of the Army and the Navy in training undergraduate helicopter pilots. The review was initiated at Fort Wolters on 21 August 1972 and will extend into CY 1973.

b. Audits and Visits by the United States Army Audit Agency (USAAA).

(1) Management of Aviation Training - Report No. SO 72-44. Audit was initiated on 4 June 1971 and the final report was dated 28 January 1972. The report contained nine conditions and recommendations (CAR's). Three of these CAR's were addressed to the DA, DCSPER, one CAR was addressed to CONARC, and five CAR's were addressed to the CDR, Fort Rucker. The installation reply was forwarded to Third US Army, 18 February 1972. Also, a memorandum of minor findings dated 28 January 1972 was furnished to this headquarters; however, a formal reply to this memorandum was not required.

(2) Bachelor (Troop) Housing (Interservice Audit) Report No. SO 72-216. Audit was initiated on 3 January 1972 and the final report was dated 28 January 1972. A formal reply to the audit was not required.

(3) DOD-Wide Review of Periodicals (Interservice Audit). Audit was initiated on 6 March 1972 and completed on 17 March 1972. No report was issued on this audit.

(4) Fort Rucker Noncommissioned Officers' Open Mess (FRNCOOM) - Report No. SO 72-507. Audit was initiated on 24 February 1972 and the final report was dated 14 June 1972. USAAA audited operations for the 19 months ended 29 February 1972. Nine CAR's were contained in the audit report and the official installation reply was forwarded to Third US Army, 10 July 1972.

(5) Nonappropriated Fund Service Center (Quick Reaction Report). Audit was performed simultaneously with the audit of the FRNCOOM shown above and the final report was dated 20 June 1972. The official installation reply was forwarded to Third US Army on 14 July 1972.

(6) Fort Rucker Officers' Open Mess. Audit was initiated on 20 September 1972 and the final report has not been received from USAAA. Six draft CAR's were furnished to installation officials at the official exit conference held on 18 December 1972.

c. Commercial Audit.

Book Department, USAAVNS. Audit was initiated on 20 October 1972 and the final report was dated 18 December 1972. Sidney H. Walker, CPA, Ozark, Alabama, audited operations for the 28 months ended 31 October 1972. No findings and recommendations were contained in the audit report, therefore, a formal reply to the audit is not required.

d. Cost Analysis Activity (AR 235-5). The USAAA audited eight cost analyses prepared by this headquarters during CY 1972. Cost analyses are prepared to determine the most economical method of performance (in-house or by contract) of a function. The following functional areas were audited by USAAA during CY 1972:

<u>Area</u>	<u>Report No.</u>	<u>Report Date</u>
Refuse Collection and Disposal Services	SO 72-304	10 February 1972
Custodial Services	SO 72-305	10 February 1972
Furniture Repair	SO 72-306	10 February 1972
Organizational Laundry Services	SO 72-308	6 April 1972
Dependent School Bus Transportation	SO 72-309	18 April 1972
Packing and Crating	SO 72-311	19 May 1972

<u>Area</u>	<u>Report No.</u>	<u>Report Date</u>
Office Equipment Repair	SO 72-312	19 May 1972
Guard Services	SO 72-313	18 May 1972

MANAGEMENT ANALYSIS DIVISION

ACCOMPLISHMENTS

Methods Improvement and Work Measurement Projects and Studies were accomplished in the following areas:

- Finance and Accounting Division, Commercial Accounts
- Procurement Division
- Supply Division
- Housing Division
- Transportation Division, Movements Branch
- Aircraft Quality Assurance Division
- Post Laundry
- Commissary
- Special Services Division
- DFAE, Vehicle Utilization
- Aircraft Maintenance Contract Management (Supply)
- DC-E
- Airfield Operations
- Army Field Printing Plant
- Dental Activity
- DGFT
- USAAVNS Registrar

Management Assistance Visits were made as follows:

- DIO
- LAH
- DNRI
- FAD, Military Pay
- USAAVNS Registrar
- Purchasing and Contracting Office
- AG
- USAAVNS Library

Organization Evaluation Studies were made as follows:

- Headquarters Command
- DPTSEC
- DPCA
- Comptroller
- DC-E
- DFAE
- DOMT
- DDL&P
- USAAVNS Secretary
- NRI
- DOI
- DGS
- DSIT
- DAET
- DAFT

USAAVNS Brigade  
DGFT

At the request of the USAAVNS Registrar, a study was conducted to determine the validity of prerequisites for certain graduate flight courses. The study was completed 2 August 1972.

Assistance was given to the Finance and Accounting Division in implementing the change in the Joint Uniform Military Pay System, JUMPS-Army. Office layout for building 6012 was developed by this office and procedures, as prescribed by Third US Army, were implemented.

During Second Quarter, FY 73 SFC James E. Hodges and SSG Leonard J. Eller were assigned to the Comptroller, Management Analysis Division, for the purpose of teaching Management Practices in TOE Units (MAPTOE). Mr. Robert J. Flournoy was selected to attend MAPTOE Instructions Course Number 1 at Fort Benjamin Harrison, Indiana, along with these two men. All three men successfully completed the course and are now certified MAPTOE instructors.

Training classes are being planned for Fort Rucker, beginning Third Quarter, FY 73. Actual training dates will depend upon receipt of training materials.

Review and Analysis of Fort Rucker programs accomplished during 1972 are as follows:

Four Quarterly Review and Analysis Reports were compiled which provide information in specific work areas for determining manpower productivity and surveillance of management activities at Fort Rucker.

Four Quarterly Reports were compiled on CONARC Management Indicators for Installation Support Activities. The Management Indicators, published as the Quarterly CONARC Performance Summary, provide the basis for CONUS-wide comparisons by installation commanders. The data obtained is to be used as a standard approach to monitor, measure, and evaluate activity performance.

Economic impact data on Fort Rucker and the surrounding communities has been prepared and updated during 1972 upon requests from higher headquarters, for briefings to visiting dignitaries, for charting in the office of the Directorate of Plans, Training and Security, for publication in local newspapers, the quarterly Commander's Progress Review and the annual Unofficial Guide to Fort Rucker.

#### PROGRAM AND BUDGET DIVISION

##### ACCOMPLISHMENTS

Various Program Change Proposal (PCP) cost studies were conducted during 1972. Major studies are as follows:

a. Case Study and Justification Folder: Contents are classified. The study was finalized in March and furnished DOI for submission to CONARC. The study was updated in November 1972. Representatives of this installation briefed Headquarters, Third US Army, 27 November and CONARC 1 December on data contained in this study.

b. A review of the cost of conducting training in Course Number 67N20 (UH-1 Repairman) was conducted in January. This action was prompted by a CONARC comparison of USAAVNC/S cost of conducting this course with the cost for the same course at Fort Eustis, Virginia. A USAAVNC/S team made a trip to CONARC in an effort to resolve differences in the comparison. A determination was made by this office that the factors used by both commands were not comparable and therefore rendered the CONARC cost comparison, as presented, invalid.

c. Basefield Resource Requirements: As the results of reduced aviation training at Fort Rucker, two basefields used for aviation training were closed in 1972--Knox and Shell. Knox was closed 30 June and Shell was closed 15 September. Net estimated savings, which involved FY 72 and FY 73, were \$241,000.

d. A plan to accomplish VNAF Initial Entry Rotary Wing training at the USAAVNS instead of Hunter AAF, Georgia, in FY 74 was submitted in September 1972.

e. A study to determine estimated savings resulting from relocation of Fixed Wing Qualification Course (FWQC) from Hunter/Stewart to the USAAVNS was developed and furnished DOI 15 September 1972. Estimated net savings, considering both facilities, were \$301,800 (+\$131,800 at Fort Rucker and -\$433,600 at Hunter/Stewart).

f. Relocation of OV-1 Training from Fort Huachuca to Fort Rucker: It was estimated that additional one-time costs of \$4,233,400 would be incurred by Fort Rucker if this training was relocated. This plan was submitted to CONARC in December 1972.

Miscellaneous actions are as follows:

a. A Course Budgetary Analysis report was accomplished for the courses conducted by the USAAVNS. This analysis was initiated by CONARC with the goal of determining more accurate estimates of the cost of conducting new and revised courses as well as the cost of current courses. CONARC provided specific formats and methodology for an initial report utilizing FY 73 data. After this type report has been refined, it is anticipated that certain existing reports, such as the zero base budget, will be considered for elimination.

b. Three new recurring report requirements were placed on the Program and Budget Division as follows:

(1) Command Analysis of Operation and Maintenance, Army (OMA) Funding, RCS CSCAB-306.

(2) Status of OMA Financial Plan, RCS CSCAB-307 which replaced the Financial Management Report, RCS ATCOM-156.

(3) Financial Plan for Base Operations, RCS ATLOG-408.

c. Local controls on Overtime and Holiday Pay continued in effect during 1972.

FY 72 Budget actions are as follows:

Austere funding conditions continued in effect. Continuous efforts were expended to obtain necessary funds for support of FY 72 operations. FY 72 Hard Core requirements stated in the FY 72 Budget Execution Review (BER) were \$79,280,200. Reduction and refinement of requirements resulted in an actual FY 72 (cumulative 30 June 1972) fund utilization of \$74,732,661.

FY 73 Budget actions are as follows:

a. The FY 73 OMA fund requirements stated in the FY 73 Command Operating Budget (COB), which was prepared in February 1972, were \$71,820,100 to support the US Army Aviation Center and School training mission. Training mission stated in the COB for FY 73 was as follows:

(1) Student Outputs:

<u>Type Training</u>	<u>Outputs (Graduates)</u>
Initial Entry Rotary Wing	(1,314)
Active Army	878
Other	436
Aviator Graduate Training	2,598
Aircraft Mechanic and Other	<u>3,493</u>
	7,405

(2) In the development of this COB, consideration was given to the substitution of the UH-1 aircraft for the TH-13T aircraft as an instrument trainer in the Initial Entry RW Course, effective with the first class scheduled for July 1972. This action was phased in during the last half of 1972 and is scheduled for completion in February 1973 (FY 73).

b. The first Modern Volunteer Army (MVA) Command Operating Budget was forwarded to Third US Army 6 March 1972 which was for FY 73.

c. The FY 73 BER was conducted as of 30 September 1972. Hard core fund requirements stated in the BER were \$70,768,300. Funds available to finance requirements were \$63,953,600, which included \$277,200 in overprogrammed availability for the Wage Board civilian pay raise, but excluded a funded reimbursable excess of \$105,300 for Laundry facility operations.

d. The FY 73 BER was based on graduating a total of 6,927 students during FY 73.

e. The FY 74 Command Budget Estimate (CBE) was forwarded to Third US Army and CONARC 25 August 1972. Total estimated fund requirements were stated at \$69,549,200. FY 74 estimates were based on the following flight training mission:

<u>Category</u>	<u>Students</u>
Initial Entry Rotary Wing Flight Tng	1,365
Rotary Wing Graduate Flight Tng	1,136
Fixed Wing Graduate Flight Tng	<u>303</u>
Total Flight Training	2,804

FINANCE AND ACCOUNTING DIVISION

ACCOMPLISHMENTS

a. During the period from 17 February to 24 April 1972, approximately 7,300 Financial Data Record Folders were converted to the new Personal Financial Records in preparation of the prototype Joint Uniform Military Pay System-Army (JUMPS-Army). Suspense date for implementation was 30 April 1972. Local implementation was effected on 24 April 1972. On 20 June 1972 the Finance and Accounting Division JUMPS-Army Prototype Military Pay System was validated as operational by the US Army Finance Support Agency.

b. Activities of the Finance and Accounting Division were consolidated from buildings 115, 602, and 603 into building 6012 on 10 November 1972. All activities, except In-and-Out Processing, are now located in one building.

c. Training of Accounting Branch personnel to prepare for conversion to the Base Operating Information System (BASOPS) was begun in September. Two hour sessions, twice weekly for four weeks, were conducted by the Installation Accountant. Additional

training was provided by Third US Army 16-20 October 1972 and by the Computer Systems Command 18-22 September 1972. Actual conversion to BASOPS was accomplished 10 December 1972, following closeout and preparation of reports for November. As of 29 December 1972, daily processing had been accomplished through the daily business of 20 December.

d. During Second Quarter FY 73, and at the direction of the US Army Finance Support Agency, special computer printouts of military personnel receiving Proficiency Pay, BAQ, BAS, Flight Pay, Jump Pay, Demolition Pay, and Medical, Dental, Veterinarian, and Optometry Pay were reviewed in conjunction with personnel offices, the Post Housing Officer, and troop units to confirm eligibility.

e. On 15 December 1972, Christmas partial payments in the amount of \$109,015.00 were paid to 725 service members.

# DIRECTORATE, FACILITIES ENGINEERING

## ORGANIZATION

The Directorate of Facilities Engineering is comprised of seven functional elements:

- a. Administrative and Management Branch.
- b. Engineering, Plans and Real Property Branch.
- c. Work Coordinating Branch.
- d. Supply-Storage Division.
- e. Buildings and Grounds Division.
- f. Fire Prevention and Protection Division.
- g. Utilities and Pollution Control Division.

## MISSION

Direct installation engineering projects and services; master planning and construction; execution, inspection, supervision, and acceptance of engineering contracts, real estate acquisition, management, and disposal; construction contract proposals and specifications; operation and maintenance of utilities; maintenance and/or repair of real property and facilities; minor construction; fire prevention and protection; supply and storage of items peculiar to DFAE maintenance and construction functions; maintenance of installed property. Serve as Program Director as prescribed by USAAVNC Reg 11-5.

## PERSONNEL

Director                    Colonel Frank R. Wilson

Deputy Director        Mr. Frank O. White

## ENGINEERING, PLANS AND REAL PROPERTY

## ACCOMPLISHMENTS

Contract for Fuel Conversion of buildings on post from coal fired to natural gas or oil was begun in August 1972, at a cost of \$324,553. Completion is scheduled in July 1973. Construction was begun in June 1972 to provide a new Elementary School at a cost of \$1,621,592. Beneficial occupancy of this facility is scheduled 15 March 1973.

During period 1 January through 31 December 1972, \$2,819,117 of new construction was completed. The USAAVNS Maintenance Instruction Facility was completed in October 1972 at a cost of \$2,509,126. QM Cold Storage Facility was completed in November 1972 at a cost of \$309,991. US Army Agency for Aviation Safety Building is essentially complete at a cost of \$986,979, and occupancy will take place in January 1973.

During period 1 January through 31 December 1972, 13 minor construction and maintenance contracts, costing \$741,642, were awarded. Six of these contracts were completed at a

cost of \$164,800. Four minor construction and maintenance projects, costing \$47,235, were accomplished for Class II activities. Two minor construction projects, costing \$40,721, were accomplished for nonappropriated fund activities. Two maintenance and repair projects, costing \$189,014, were accomplished for Family Housing. Sixteen minor construction and maintenance projects, costing \$166,199, were awarded for USAR Centers located in Alabama, Mississippi, and Florida. The Fort Rucker National Bank was completed in January 1972 at a cost of \$330,000.

#### WORK COORDINATING BRANCH

##### ACCOMPLISHMENTS

An automatic answering service (electronic secretary) was installed to improve and expedite handling of service orders.

A mechanized cost accounting system was implemented to maintain positive control and current cost data on DFAE job orders.

Fort Rucker's Self-Help Program which is run by Work Coordinating Branch and the Supply-Storage Division, was recognized as the most improved Self-Help Program within Third US Army.

#### SUPPLY-STORAGE DIVISION

##### ACCOMPLISHMENTS

A Self-Help issue point was established for occupants of family housing. This point has hand tools available on a loan basis plus repair parts for the quarters that can be replaced or installed by the occupant. This has resulted in improved maintenance to family quarters at a reduced cost to the government.

The Troop Self-Help Program was expanded to the extent that troops used supplies in excess of \$2,800 per month for maintenance of their facilities. Special emphasis was made to stock items used by the troops to assure that there was no delay in accomplishing required projects.

#### BUILDINGS AND GROUNDS DIVISION

##### ACCOMPLISHMENTS

To relieve the EM from menial non-MOS related duties such as grass cutting, trimming of shrubs, and erosion control, 19 civilian spaces were allocated to the Land Management Branch under the MVA Program. Eleven personnel were hired and the program has been highly successful thus far.

Sixteen civilian spaces were allocated under the MVA Program for the Buildings and Structures Branch to perform preventive maintenance on troop housing and classroom facilities to enhance the living conditions and training environment of the soldier. Only five personnel are currently on board due to prevailing hire constraints; however, the effects of the program, with only 1/3 of the required strength, have been significant.

#### FIRE PREVENTION AND PROTECTION DIVISION

##### ACCOMPLISHMENTS

The Fort Rucker Fire Department conducted 10,011 on-post fire inspections during 1972. Fire inspections were also conducted in 58 trailer courts in neighboring communities.

The Fort Rucker Fire Department responded to 28 calls from local communities for assistance in extinguishing fires (an increase of 17 over previous year).

During 1972, there were 8,885 personnel who attended 87 classes and demonstrations emphasizing what action to take in the event of fire, including preventive measures and use of fire extinguishers. Major emphasis in fire prevention was placed during Spring Clean-Up Week in March and National Fire Prevention Week in October.

The Fort Rucker Fire Department was awarded 15th place for its entry in the National Fire Prevention Contest.

Twenty-eight fires occurred during 1972. Dollar loss resulting from these fires amounted to \$5,464 ( a decrease of \$12,078 from previous year). Seven (five structural, one woods, and one government vehicle) of the fires were reportable to higher headquarters.

#### UTILITIES AND POLLUTION CONTROL DIVISION

##### ACCOMPLISHMENTS

Targeted utilities expenditures for 1972 were \$1,502,907. Actual costs were \$1,623,063, which is 8.1% over the targets. This is within the 10% variance allowed by pertinent regulations.

The Pollution Abatement Program is on schedule.

a. Project is being carried out to convert the coal-fired equipment to natural gas or fuel oil. Expected completion date is 26 July 1973.

b. The incinerator at the post Commissary was fitted with a new and redesigned emission control system. System was inspected by the Alabama Air Pollution Control Commission and given a certified rating to meet the state criteria.

c. Bids have been received for replacement of the Pathological incinerator.

d. Major repairs to the Sewage Plant are being accomplished by contract. This work is almost complete.

## DIRECTORATE, MEDICAL ACTIVITIES

### MISSION

Provide health services to authorized personnel at Fort Rucker, Alabama, and satellite activities, including inpatient and outpatient medical care and treatment to active duty and retired military personnel, their dependents and other people as authorized by DA; dental care and treatment to military personnel, and emergency dental care/or dental treatment to dependents; veterinary food inspections, animal care and zoonotic control; and preventive medicine services; provide personnel and technical supervision of the Installation Drug and Alcohol Abuse Program to include Halfway House-RAP Center. Also performs other medical and dental missions as assigned.

### ORGANIZATION

A treatment and consultation team and a detoxification ward were established in support of the Drug and Alcohol Abuse Program. DA spaces provided for this program were 1 Medical Corps Officer, 1 Chaplain, 2 EM, and 36 civilians.

### PERSONNEL

COL James E. Hertzog, MC, Dir, DMEDA, CDR, MEDDAC

The 31 Dec 72 recognized requirement for MEDDAC amounted to 117 officers, 31 ANC/AMSC's, 244 EM and 209 civilians. In addition 36 EM of the 427th Medical Company (Amb) were designated as augmentation personnel. Should this REFORGER unit depart Fort Rucker, an increase in recognized requirements by a like amount would be automatically generated. Total recognized requirement, to include augmentation spaces, is 637.

### INPATIENT CARE

Total admissions	4590
Total live births	879

### OUTPATIENT CARE

Total visits	302,670
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The Family Medicine Program continues to function in a satisfactory fashion. Command interest continues to be demonstrated throughout the chain of command and the Emergency Room workload continues to decrease as a result of the program. The Fort Rucker telephone directories contain names, telephone number, and unit of assignment for each unit physician. Revised Information Booklets have recently been published and each unit has been notified, telephonically and by DF, of changes pertinent to that unit.

### DENTAL ACTIVITY

### ACCOMPLISHMENTS

During 1972 a total of 20,769 patient treatments were performed.

During April and October a total of 4,586 military personnel received self-applied fluoride treatments under the Phase I - Oral Health Maintenance Program.

During October, the Detachment began a 48-week training program for six civilian Dental Therapy Assistants. The Therapists are being trained to perform many of the dental procedures which do not require the professional knowledge of a dental officer. Upon successful completion of this training, the therapists will work in teams with the dental officers and will help to partially alleviate the shortage of available dental officers.

During February the Detachment observed National Children's Dental Health Week by participating in an extensive program at the Fort Rucker Elementary School.

Faced with a critical problem of inadequate dental treatment facilities, a proposed construction project for new facilities was submitted to the Installation Planning Board.

#### VETERINARY ACTIVITY

##### ACCOMPLISHMENTS

A training session was conducted on milk inspection on 24 May 1972 by Mr. Frank Buras, NOR DPSC, and SFC Jimmie E. Perryman, USAMEDVS, Fort Sheridan, Illinois. Attending this session were representatives of Army, Air Force, and Navy bases in Alabama, Georgia, Florida, and Mississippi.

123,376,430 pounds of subsistence was inspected during this period resulting in 327,035 pounds being rejected.

7,879 animals were seen on an outpatient basis.

2,423 rabies immunizations were administered as well as 3,400 other immunizations against infectious canine distemper, infectious canine hepatitis, leptospirosis, feline distemper, and feline pneumonitis.

414 animals were quarantined as rabies suspects.

#### ARMY HEALTH NURSE ACTIVITIES

##### ACCOMPLISHMENTS

Family-nurse contacts are conducted in home, school, clinic, hospital ward or office. Home visits are made to selected families on referral by any member of the health team or the family themselves. The major goals are to supply family - centered services to the military and their dependents similar to that found in the community, to support the family physician program and hopefully to reduce the workload on the medical facility.

The Army Health Nurses are following 41 families presently and during 1972 made 636 home visits, 336 clinic or office visits, and 156 ward visits.

#### PLANS, OPERATIONS, AND TRAINING

##### ACCOMPLISHMENTS

USAAVNC MACP Annex, GASCAN Annex, HUREVAC Annex, SAR Annex, MEDIST OPLAN and MASCAL OPLAN were revised/updated.

- a. The Mass Casualty Plan was implemented 13 Jan 1972 during a tornado disaster

in the Pine Brooks Trailer Park located 3 miles west of Fort Rucker, Alabama. 110 patients were treated at US Lyster Army Hospital and 4 were evacuated.

b. The Mass Casualty Plan was tested 30 November 1972 with favorable results.

The Nuclear, Biological, Chemical, Accident/Incident Control Plan/Emergency Medical Team was implemented on 4 occasions. The NBCAICP Team participated in 4 field training exercises.

The Air Ambulance Branch participated in the Mass Casualty Exercise conducted by the Early Memorial Hospital, 15 May 1972 in Blakely, Georgia. This is the first exercise conducted by a civilian institution in which the Air Ambulance Branch participated.

The Air Ambulance Branch missions and evacuations are listed below for the period 1 Jan 72 through 31 Dec 72:

<u>EVACUATION</u>				
<u>Military</u>	<u>Dependents</u>	<u>Civilians</u>	<u>Missions</u>	<u>Hours</u>
341	161	26	243	740:55

<u>CRASH RESCUE</u>		
<u>Patients</u>	<u>Missions</u>	<u>Hours</u>
230	236	153:23

The MEDDAC established a Radio Net paging/communications system for key personnel. This system provides a 24 hour on-call coverage and has a range of 25 miles.

Four Reserve component medical units completed annual active duty training while augmenting USLAH staff during the summer months.

USLAH implemented an emergency first aid course for air and ground ambulance personnel. This course parallels the Department of Transportation Refresher Course for Emergency Medical Technicians and consists of a total of 25 hours of instruction and one month OJT in the hospital during each six month cycle.

The Air Ambulance Branch conducted a two week Helicopter Evacuation Crash Rescue Procedure Orientation Course for Helicopter Rescue Specialists (51M2F).

## STAFF JUDGE ADVOCATE

### ORGANIZATION

The SJA Office is presently organized, pursuant to the CIMS plan, as one complete office made up of various sections: Military Justice, Military Affairs, Claims, Legal Assistance, and Procurement. This change was initiated pursuant to directives requesting consolidation of small branches within an organizational structure.

### PERSONNEL

LTC Fred Bright, Jr. continued to serve as the Staff Judge Advocate.

### LAW DAY

The annual Law Day Dinner was held at the Fort Rucker Officers' Open Mess on 22 April 1972. The dinner was attended by approximately 120 military and civilian invitees which included local judges, prosecutors, and presidents of local bar associations. The Honorable William J. Baxley, Attorney General, State of Alabama, was guest speaker.

### ACCOMPLISHMENTS

Between 1 January and 31 December 1972, the Military Justice Section provided both trial and defense counsel in 8 trials by general court-martial and 119 trials by special court-martial. In addition to providing appointed counsel for trials, 70 summary court-martial records and 1252 records of proceedings under Article 15, Uniform Code of Military Justice were reviewed for legal sufficiency. The attorneys assigned to Military Justice Section also counseled approximately 4,000 people during the year on problems relating to military and civilian criminal law. Since Fort Rucker does not have a military judge permanently assigned, it is necessary to request a military judge from Fort Benning, Georgia, to try both general and special courts-martial. Over the year the SJA Office has been able to obtain a military judge an average of 4 days per month for the trial of all general and special courts-martial.

During 1972 in the Legal Assistance program military personnel and their dependents made inquiries and were assisted by the Legal Assistance Section concerning approximately 15,000 legal problems. Over 2500 legal documents and letters were prepared in response to these inquiries. In addition to office legal assistance, personnel from the Legal Assistance Section gave about 20 lectures to local military units, associations and clubs. The section also conducted a 6 hour seminar on Federal Income Taxation held on 28 January 1972. Over 90 people from various units at Fort Rucker attended the seminar for training in the preparation of individual income tax returns so they could aid personnel assigned to their units.

The Military Affairs Section received approximately 1,900 inquiries, both oral and written, pertaining to legal and administrative questions of an official military nature from the command and subordinate units, all of which were answered after appropriate legal research and review.

The Procurement Section continued its support of the Procurement Division, DIO. Over the year, approximately 350 contracts and solicitations were reviewed for legal sufficiency. The total value of these actions was in excess of \$45,000,000.

The Claims Section reviewed approximately 584 claims filed against the United States in the Fort Rucker geographical area for calendar year 1972. Of the total reviewed, 564 claims were adjudicated and payment made in the amount of \$113,117.69. The Claims Section also filed approximately 770 demands against carriers of household goods and other third parties for damage to and loss of property of military personnel and assisted them in pursuing their remedies against these parties. In addition to its responsibility for adjudication of all claims against the United States for personal injury and property damage the Claims Section was also responsible for pursuing claims in favor of the Government. A total of \$72,649.59 was collected and deposited to the account of the Treasurer of the United States. Of this total \$29,792.93 was recouped from carriers for damage to servicemembers' property in transit and \$42,856.66 was recovered from third party damage to Government property and negligent injury to Government personnel and dependents causing medical treatment at Government expense.

# INSPECTOR GENERAL

## MISSION

Advise the Commander/Commandant and his staff on existing conditions relating to individuals, unit funds, and activities of the command by annual or special inspection reports. Receives, processes, and gives consideration to all complaints and grievances. Conducts and processes investigations as directed by the Commander, USAAVNC and Fort Rucker.

## PERSONNEL

LTC Donald S. Galla continued to serve as Inspector General.

The following military personnel assignments were made:

MAJ Gerald Cornell, Acting Inspector General, 11 December 1972.

MAJ John T. Walton, Assistant Inspector General, 11 December 1972.

CPT Donald S. Scheipe, Acting Inspector General, 20 March 1972.

CPT Donald Ostlund, Acting Inspector General, 22 March 1972.

SFC John W. Reeves, Senior Enlisted Counselor, 21 July 1972.

## ACCOMPLISHMENTS

The building in which the Office of the Inspector General is housed was renovated to present a better atmosphere to personnel seeking guidance or assistance.

Approximately 650 complaints and/or requests for assistance were received and resolved during the calendar year.

During calendar year 1972, 39 annual general inspections were conducted by the Fort Rucker Inspector General's Office.

The Department of the Army Inspector General conducted an inspection of US Army Aviation School and related activities during the period 10 - 14 January 1972.

Third US Army Inspector General conducted the annual general and procurement inspection of the US Army Aviation Center during the period 17 - 21 April 1972.

# MANAGEMENT INFORMATION SYSTEMS OFFICE

## MISSION

The Management Information Systems Office is responsible for all planning, development and operation of automatic data processing at USAAVNC/S.

## ORGANIZATION

Major John R. Griffin serves as Chief of the MISO organization which has a current total manpower authorization of fifty-four (54). Included in this total, are fourteen (14) military and forty (40) civilian. The MISO administers a programmer trainee program to three (3) career intern personnel supported by the Third US Army TDA. Manpower reductions of one (1) civilian and four (4) military spaces were sustained during 1972.

## ACCOMPLISHMENTS

Several DA directed and local management actions resulted in significant savings in the ADP area. These included release of an IBM 360/40 Central Processing Unit (CPU) with associated peripherals at an annual savings of \$203,823; change to a third party firm on a requirements type contract for lease of an IBM 360/50 CPU and selected peripherals at an annual reduction in lease costs of \$75,141, not counting extra shift rental costs; modification in model of IBM 360/30 CPU and procurement of core storage module from third party vendor saved \$16,824 annually; and change to purchase-payment option for IBM supplied BASOPS 360/30 peripherals which will result in substantial savings.

The remaining DA standard applications of BASOPS finance and supply were implemented at this headquarters late in 1972. These two systems were originally scheduled for extension during 1971 but were postponed several times by higher headquarters. Although a tremendous amount of additional workload was generated in both the functional and ADP areas, the conversion was effected smoothly with a minimum of disruption to ADP support provided other customers.

Reduction in the aircraft maintenance contractor ADPE and staff permitted relocation of the contractor's facility to the site formerly occupied by MISO, and movement of MISO ADPE and personnel to the site vacated by the contractor. This action was completed early in 1972 and was accomplished by both the contractor and MISO Operations.

Department of the Army approved the consolidation of several Fort Rucker data processing activities into one facility under the installation MISO. This action is aimed at reducing ADP costs, eliminating duplication, and obtaining the maximum benefit from available ADP resources. The residual computer time now being lost on the individual ADP operations will be used in areas where a critical need for ADP support exists, such as the USAAVNS.

## SYSTEM, ANALYSIS AND PROGRAMMING BRANCH

### ACCOMPLISHMENTS

Developed and documented plans, studies and effected coordination actions related to consolidation of several data processing activities at Fort Rucker. Performed various studies and analysis of proposed new ADP applications, refinements or changes to existing

systems and resource requirements relating thereto. Monitored equipment utilization and associated reporting, including excess ADPE screening and reporting.

Administered training program for three (3) career intern programmer trainees, scheduling on and off-the-job developmental training, as required by approved agreement.

Performed pre-conversion readiness actions for BASOPS supply and finance applications. These two systems were delayed or postponed several times before being finally extended late in 1972. Neither the value of the new BASOPS applications nor their impact on local command unique ADP requirements can be assessed at this time. It is anticipated that a significant increase will be experienced in ADPE utilization, especially the IBM 360/30 configuration.

In addition to the BASOPS applications, three (3) major new ADP systems were implemented during 1972. These were Installation Automated Budget System (IABS), Administrative and Commercial Design Vehicle Management, and Engineer Job Order Control. Conversion of Statement of Accounts (Telephone Billing) and Production Planning and Control (PP&C) from UNIVAC 1005 to IBM 360/30 system was accomplished to effect better utilization, efficiency and responsiveness for these automated systems.

Furnished technical ADP personnel support to the commissary for the conversion to the automated system for Army Commissaries.

Renewed emphasis was placed on increasing ADP support to USAAVNS during 1972. However, the limited resources available, after accomplishment of DA directed actions in the BASOPS and other areas, precludes any significant support until additional computer capability is made available. Increased support was provided in the establishment of a data base on all instructor pilots at Fort Rucker. From this base, scheduling of semi-annual standardization check flights, determination of aircraft requirements and hours needed, recording performance achieved during check-rides, etc. Data base also serves as a repository from which various qualifications data can be extracted. This system provides a new clue for expansion to a world-wide basis, when required, and eventually into an integrated flight quality control system.

#### MACHINE OPERATIONS BRANCH

##### ACCOMPLISHMENTS

Moved all ADP equipment and files to location in Donnell Shopping Center, Daleville which provides adequate space and an improved operating environment.

Implemented the BASOPS sub-systems of Logistics and Finance completing the full BASOPS ADP package.

Continued ADP support of all Center/School activities involving computer produced management reports in the personnel, academic, financial, administrative, and logistical areas. Machine graded all USAAVNS student examinations.

## INFORMATION OFFICE

### PERSONNEL

MAJ Richard R. Teipel assumed duties as Information Officer from MAJ Wade W. LaDue in January and was succeeded by MAJ Richard P. Timmermeyer in July. Herbert C. Strickland (DAC GS-11) assumed duties of Deputy Information Officer in January.

### ACCOMPLISHMENTS

This office served as an area coordination center for news media during the aftermath of the tornado, 13 January 1972. Although the disaster occurred off post, the Information Office provided an established and functioning facility for gathering and exchanging information for approximately one week.

The office received the Keith L. Ware Award for excellence in radio programming and two CONARC Copy Desk Awards for excellence in journalism.

The office assisted in ceremonies establishing Fort Rucker as the home post of the 66th Infantry Division on 8 November.

The civilian enterprise newspaper license for publication of the Army Flier was again awarded to Ever Enterprises, Inc., (Daleville Today).

The first person to complete the two-year intern career training program in the Information Field at Fort Rucker, Miss Frances W. Rhodes, was reassigned to Recruiting Command with public information officer duties at the Denver, Colorado, Recruiting Main Station.

## MODERN VOLUNTEER ARMY COMMITTEE

### ORGANIZATION

The Modern Volunteer Army Committee was established by order of the Commanding General on 31 December 1970. It consists of a fulltime staff which implements and coordinates all MVA projects and programs.

### PERSONNEL

The following military personnel assignments were made:

Colonel Paul C. Smithey, Chairman, MVA Committee, 16 August 1971 to 18 December 1972.

Colonel William E. Dasch, Chairman, MVA Committee, effective 19 December 1972.

Major David C. Ammons, Special Assistant to the Deputy Commander for Modern Volunteer Army, 25 January 1971 to 15 July 1972.

First Lieutenant Euford E. Herring, Special Projects Officer, effective 16 November 1972.

### ACCOMPLISHMENTS

The Fort Rucker MVA Command Operating Budget was funded for FY 73.

An adjustment to the civilian security guard contract resulted in the reduction of 42 military guard post.

Reenlistment processing was consolidated at installation level.

Several innovations were made by the local PX and commissary which complement the MVA Program.

A miniature golf course was opened as a PX activity.

A new service station with "Self-Service" pumps was opened.

An Army Field Ration Credit System was established in dining facilities to account for food.

A new post field house is programmed for construction in FY 73.

Many improvements were made in the post bus transportation system. Seven shelters were erected at "Soldier Pick-Up" points to provide protection from the elements for military personnel.

Numerous one-time and recurring briefing/classes have been given to insure that both military and civilian personnel at Fort Rucker are knowledgeable of the MVA Program.

Members of the MVA Committee were active in the Speakers Program at Fort Rucker. Fifty MVA presentations have been made to various civic and veterans organizations to include one presentation to Mississippi Boys State.

Junior Enlisted Wives Clubs have been formed in an effort to convince the wives of junior enlisted personnel that they are an important part of the military community.

The Post Army Laundry began operating a truck to pick up and deliver laundry to unit supply rooms on post.

A \$2.00 per week "walk-in" bundle laundry plan was established for enlisted personnel who do not desire to use the payroll deduction bundle program.

Specialty Dining Facility scheduled to open early CY 73 to feature specialty meals such as Mexican, Oriental, Italian, and seafood dinners.

Shelters are scheduled for erection at shuttle bus stops in early CY 73.



## CHAPTER 2



# U. S. ARMY AVIATION SCHOOL

## OFFICE, SECRETARY, USAAVNS

### MISSION

The USAAVNS Secretary advises the Commandant through the Assistant Commandant on all matters pertaining to assigned responsibilities and activities. The Secretary is the principal administrative assistant, manpower utilization advisor and coordinator for the assignment of critical personnel grades and skills within the School. The USAAVNS Secretary supervises and coordinates activities of:

- (1) Administrative Division
- (2) USAAVNS Registrar
- (3) Allied Military Training Division
- (4) USAAVNS Library
- (5) Liaison Officers - Provide administrative assistance and staff coordination.

Personnel changes during 1972 include LTC Howard Brown as Chief, AMTD replacing LTC Robert McPherson, MAJ Ronald N. Peterson replaced LTC Edward P. Carroll as Assistant Secretary, and CPT John Jacobson replaced MAJ Joe Matthews as Registrar.

### REGISTRAR DIVISION

#### MISSION

The Registrar advises the Commandant, Assistant Commandant, and Secretary on matters pertaining to student status and academic records, in-processes students, monitors student grades, handles student administrative matters, conducts faculty boards, and graduate students assigned to the United States Army Aviation School.

#### ORGANIZATION

The Registrar Division, consisting of 3 military and 11 civilian positions, is under the supervision of the Secretary, USAAVNS.

#### ACCOMPLISHMENTS

During the calendar year 1972, the Registrar Division conducted 28 formal command orientations, 29 formal graduations, approximately 36 faculty boards, and assisted in conducting 14 swearing-in ceremonies. There were 7273 students graduated during this period.

#### PERSONNEL

MAJ Joe J. Matthews served as the Registrar from January through 24 July 1972, and was replaced by CPT John Jacobson.

## ALLIED MILITARY TRAINING DIVISION

### MISSION

The Allied Military Training Division is responsible for the administration of all Allied students who come to Fort Rucker to attend rotary wing, fixed wing and maintenance training. In addition, Allied Military Training Division develops and coordinates the Allied student orientation and informational program to increase the students knowledge of the United States and to establish a close relationship with both United States military and civilian personnel.

### TRAINING

1972 saw the termination of initial entry training for Germany. The last class of German students began training on 24 October 1972 and are scheduled to graduate 6 March 1973. All future initial entry rotary wing training for the Germans is to be conducted by their own military forces. A first for AMTD was experienced in 1972 with the first student from Iran attending the Army Aviation Medicine Basic Course.

### INFORMATIONAL AND SPONSORSHIP ACTIVITIES

Continued emphasis was placed on the Allied Sponsorship Program during 1972. Support from the local chambers of commerce provided a number of civilian sponsors, who along with the military sponsors, were able to present a good cross-section of the American way of life to the Allied students. By the end of the year, 95 percent of the Allied student body was sponsored by either military and/or civilian families. The local chambers of commerce also sponsored trips to Lake Eufaula and Lake Fox. Orientation and informational tours were taken of the Alabama Power Company's Nuclear Power Plant, International Trade Mart in New Orleans, and the Georgia State Capitol.

### ACCOMPLISHMENTS

Allied Military Training Division provided administrative and organizational support for 383 Allied students representing 24 countries during 1972. These totals reflect an increase of 36 students trained over 1971, as well as three additional countries being represented. Germany, with 108 students, had the largest representation.

Allied student data for 1972 is as follows:

<u>COUNTRY</u>	<u>OFF STU</u>	<u>ENLISTED STU</u>	<u>TOTAL</u>
Australia	7		7
Belgium	1		1
Bolivia	2		2
Canada	2		2
Chile	3		3
Dominican Republic	2		2
Ethiopia	4	1	5
Germany	46	62	108
Greece	2		2

<u>COUNTRY</u>	<u>OFF STU</u>	<u>ENLISTED STU</u>	<u>TOTAL</u>
Guatemala	4		4
Indonesia		4	4
Iran	53	13	66
Italy	4	1	5
Jamaica	1	1	1
Korea	19	1	20
Norway	7		7
Nigeria	2		2
Panama	4		4
Paraguay	3		3
Spain	3		3
Thailand	30	8	38
Turkey	2		2
Venezuela	1	2	3
Vietnam	<u>84</u>	<u>5</u>	<u>89</u>
24 Countries	286	97	383



## USAAVNS LIBRARY

### MISSION

To provide military and technical aviation information and reference service to the staff, faculty, and students of the Aviation School; for the development of School instruction; and for the education and professional development of Army Aviation personnel. Serves as a repository for publication related to the history of Army Aviation, and the development of American military aviation.

A secondary function of the library has been to assist class II activities without research library facilities; US Army Aviation Test Board, USAAVNS and give supplementary assistance to the graduate programs of the University of Southern California, Troy State University, and to the Embry-Riddle faculty and students.

### Miscellaneous Statistics - Monthly Average:

Attendance	1920
Membership	114
Reference Request	415

### Materials On Hand

Books (thru Nov 1972)	27,882
Documents	70,775
Classified	390
Unclassified	17,487
Microfiche	12,803
Indexes	1,223
Archives	1,362
Opaque Readex Cards (TMs, FAA, HEW, etc.)	3,679
DA Pubns, GPO Pubns, Directories and College Catalogs	33,831
Periodicals	
Subscriptions (current)	451
Backfiles (unbound)	49,908
Indexes	1,275
Bound Magazines	1,500
Microfilm of Magazines	3,613
Newspapers (Subscriptions)	9
Maps	351
Audio-Visual Materials	2,342 (Items on order)
TOTAL	154,550

The entire collection consists of 154,440 items (1 Dec 72) principally in the fields of Military Art and Science, Aviation, Military Aviation, Military History and Biography, Science and Technology, American History, Management and Education, and Foreign Affairs.

Open stacks policy is in effect and most materials circulate. Reference books, volumes and issues of periodicals, and microfilm reels of periodicals do not circulate.

# OFFICE, DOCTRINE DEVELOPMENT, LITERATURE AND PLANS

## MISSION

Formulate and coordinate USAAVNS positions on aviation materiel, doctrine, training, organization, tactics, techniques, and procedures.

Coordinate, prepare, and revise all Army-wide TNLIT for which the USAAVNS has proponency.

Review Army-wide TNLIT prepared by other schools/agencies to insure adequacy of Army aviation coverage.

Perform administrative functions of the USAAVN Center Team.

Formulate and coordinate U.S. positions on international agreements (STANAGS, ASCC's, etc.). Represent USAAVNS, CONARC, and DA at joint and combined conferences.

Monitor and advise school departments on training programs, literature, and development of training publications and POI.

Monitor and advise school departments on EW training requirements.

## ORGANIZATION

The Office of DDL&P is composed of a Headquarters element, Doctrine Development Division, and Literature-Plans Division.

## PERSONNEL

Colonel Hubert D. Gaddis was Director of ODDL&P during 1972.

Authorized strength of ODDL&P at the end of 1972: Officers, 19; enlisted, 4; civilians, 14. Total: 37. All slots were filled as of December 1972.

## ACCOMPLISHMENTS

<u>Projects Completed 1972</u>	<u>Number</u>
Studies, Initiated	20
Studies, Reviewed	40
TNLIT, Initiated	19
TNLIT, Reviewed	168
Other, Initiated and Reviewed	<u>420</u>
TOTAL	667

## January

Revised visual signals for FM 21-60 (CONARC-proposed rescission) and for FM 1-105, Army Aviation Techniques and Procedures.

Reviewed Army Officer Education System (DA study).

Participated in 19th Annual Meeting, Working Party 44, ASCC.

ODDL&P became the USAAVNS proponent for Enlisted MOS test preparation.

Coordinated Aviation Center position on the Air Defense Artillery Position Paper on Airspace Coordination.

Attended In-Process Review of Dual Purpose Antitank Warhead for 2.75-inch FFAR.

#### February

Completed new ASubjScd 1-15, Airmobile Operations for Army Aviation Units.

Chaired meeting of the USAAVNS Training Literature Publications Board.

Prepared and submitted proposed USAAVNS portion of FY 73-74 Army-wide TNLIT program to CONARC.

Participated in the initial planning conference on integrated ET/EST HEDP warhead.

Attended initial planning conference for EST of XM-56 mine dispensing system.

Attended CTP-IPR for the improved Cobra armament program.

Attended conference on IDPMN for new survival vest, aircrew member.

Participated in conference on training aid devices for self-destructing scatterable mines.

#### March

Revised TC 1-34, Qualification Training in Army Aircraft.

Completed new ATP 1-407, Aviation Service Support Company (TOE 1-407), which was subsequently cancelled.

Participated in the 12th meeting of the NATO MAS (Air) working party.

Attended STANO-IPR on MASSTER report concerning rotor blade lights.

Attended STANO-IPR on MASSTER report concerning project BIG LIGHT.

#### April

Completed draft of new USAAVNC Pam 310-7, Guide for Developing, Preparing, and Reviewing TNLIT.

Completed Change 3, TM 1-250, Fixed Wing Flight.

Revised ASubjScd 1-13, Survival Following Crash Landing or Bailout.

Completed Change 3, FM 1-105 (January above).

Participated in working group on aircraft instruments and aircrew stations.

Participated in working group to develop the life cycle cost for the AAH.

#### May

Published revision of ST 1-100-1, Reference Data for Army Aviation in the Field Army.

Published revision of ST 1-100-2, Army Aviation Common Subjects, the last edition of this ST per CONARC cancellation of common subjects.

Revised ATT 1-127, Aviation Companies, Corps and Army (TOE 1-127 and 1-137).

Attended Anti-Armor Ammunition Seminar.

Evaluated Air Defense Center Team proposal for airspace coordination.

#### June

Prepared Change 1, TM 1-225, Navigation for Army Aviation.

Revised ASubjScd 1-10, Destruction and Immobilization of Army Aircraft and Associated Equipment.

Completed Armed Helicopter Unit Gunnery Training Plan for CONARC.

Attended conference on in-flight escape system for attack helicopter.

Attended IPR for New Initiatives Aerial Scout Program.

#### July

Prepared new prototype ATP, ASubjScd, and ATT for CONARC entitled, Assault Support Helicopter Company (Airmobile and Separate) (TOE 1-167 and 1-258).

Participated in conference on infrared suppression kit for OH-6.

#### August

Reviewed CDR revision of FM 1-60, Army Air Traffic Operations.

Prepared new TC 1-( ), Augmentation Training for MOS 71P20, in accordance with CONARC requirement of May 72.

Attended planning meeting for 5th Quadripartite Working Group on Aviation.

Attended conference to identify critical issues relating to UTTAS.

#### September

Completed revision of FM 1-40, Helicopter Gunnery.

Prepared and coordinated recommendations to CONARC pertaining to the proponency of the attack helicopter and proponency of aviation materiel.

Coordinated conference on external vision requirements for rotary wing aircraft.

Attended Coordinated Test Program Review for AAH.

Attended planning meeting for Quadripartite Working Group on Aviation.

#### October

Prepared Change 4, TM 1-260, Rotary Wing Flight.

Drafted and distributed to major CONUS and overseas commands and testing agencies a proposed Training Circular outlining initial and annual nap-of-the-earth (NOE) qualification training. The TC, when approved by DA, is to serve as a guide to commanders in conducting NOE training.

Attended conference on non-line-of-sight communications for aircraft flying NOE.

#### November

Revised FM 1-80, Aerial Observer Techniques and Procedures.

Prepared a special report for CONARC on the reading level of USAAVNS TNLIT publications.

Completed evaluations of aviation enlisted MOS codes, tests, and study references during November-December period.

Attended conference on helicopter anti-ice/deice program.

Attended DEVA IPR on cartridge 40mm H.E.

#### December

Submitted through CONARC a QSTAG on coordination of aerial artillery helicopter fires. The draft QSTAG will be presented to the British, Canadian, and Australian armies for possible adoption as an international standardization agreement among the U. S., U. K., Australia, and Canada.

Completed Change 4, TM 1-260, Rotary Wing Flight.

Prepared a special revision of TC 1-34, Qualification Training in Army Aircraft, to incorporate changes in support of the DA Army Flight Standardization Program and also provisions for rescue hoist operations.

Prepared new special type ST 1-71P20, Consolidated Study Reference for MOS 71P20, for field training support of this MOS.

Revised ASubjScd 1-13, Survival Following Crash Landing or Bailout.

Reviewed STANAG 3548 (4th draft), Tie Down Fitting on Air Transported and Airdropped Equipment and Cargo, FW and RW aircraft, and forwarded recommendations to CONARC.

# DIRECTOR OF INSTRUCTION

## MISSION

DOI's primary mission is to develop, coordinate and supervise training plans and requirements for resident courses of instruction at the USAAVNS.

## ORGANIZATION

The Office of the Director of Instruction is composed of four divisions and the Secretariat for Training Devices. Divisions and branches are as follows:

- a. Curriculum Development Division is composed of the Plans Branch, Programs Branch, Training Branch and Systems Engineering Branch.
- b. Training Management Division is composed of the Aircraft Management Branch and Scheduling Branch.
- c. Curriculum Analysis Division.
- d. The Educational Television Division is composed of the Production Branch and Technical Operations Branch.

## PERSONNEL

Colonel Sidney W. Achee, Director of Instruction, retired from active duty 31 March and was replaced by Colonel Jack Cranford. Colonel James H. Mapp replaced Colonel Cranford as Director on 19 June and is currently serving in that capacity.

Authorized strength for DOI at the end of 1972 is as follows: Officers, 33; enlisted, 29; civilian, 52; total, 114.

## CURRICULUM DEVELOPMENT DIVISION

### ACCOMPLISHMENTS

During the past year, the number of active programs of instruction decreased from 78 to 73. Although the inresident student load has also decreased, major revisions to POI's have increased due to the continuing effort to provide the best possible instruction. During the year, Training Branch, CDD, processed 85 major and 51 minor revisions to POI's; the first year ever that the number of major revisions has exceeded the number of minor revisions.

Major actions accomplished by Training Branch included the conversion of 67N20 and 67V2T maintenance courses to proficiency progression instruction; the establishment of the Air Traffic Control Non-Commissioned Officers Educational System (NCOES) Basic and Advance Courses; and the revision of the IERW POI to include SFTS/UH-1 instrument training and tactical nap-of-the-earth flight training.

The USAAVNS Systems Engineering effort made great strides during the year. The Intermediate and Advanced Warrant Officer Courses were completed and approved by CONARC on 20 April 72 and 8 May 72 respectively. The Advanced NCOES POI was also approved on

3 Aug 72. Other systems engineered POI's approved by CONARC include 93J20, 93K20, 93H20, 67V20, 67V2T, and 67M20. Two other POI's, the Basic NCOES and the 71P20 were recently submitted for approval. In addition, eight systems engineered POI's are being processed by DOI, USAAVNS, prior to submission to CONARC. The remaining CONARC approved courses are in various stages of development and all are scheduled for completion by 30 June 73, except for the two Aviation Medical Officer Courses which have a 1974 completion date.

Plans Branch completed a number of very significant actions during this period. Among them was a study which examined the resources requirements at USAAVNS, in light of the reduction in aviation training, to determine the optimum basefield utilization and still obtain maximum dollar savings. The study resulted in the subsequent closure of Knox and Shell heliports on 27 May and 18 Sep 72 respectively. Annual savings realized were over one million dollars.

During the month of Nov 72, the Fixed Wing Qualification Course (FWQC) was transferred to USAAVNS in conjunction with implementation of a restructured POI. The revised FWQC consists of five phases which qualify new fixed wing aviators against programmed DA requirements, to include U-8 and U-21 aircraft qualification. Annual savings realized through the transfer and restructure of the FWQC will be in excess of \$790,000.

The past year proved to be one of major changes for the Initial Entry Rotary Wing (IERW) program. After nine months of intense preparation, Classes 73-7/8 began Advanced Flight Training at USAAVNS under the revised program, which includes SFTS/UH-1B instrument training (UH-1B replacing the TH-13T as the USAAVNS instrument trainer) and tactics instruction which is oriented toward mid-high intensity warfare, to include tactical nap-of-the-earth instruction.

#### TRAINING MANAGEMENT DIVISION

##### ACCOMPLISHMENTS

On 1 June 1972 the portion of Page Aircraft Maintenance Inc., at Fort Rucker was purchased by Northrop Worldwide Aircraft Service, Inc. Northrop was awarded the maintenance contract for aircraft at Fort Rucker on 1 July 1972. The decrease of flight training at USAAVNS has reduced the USAAVNS fleet to less than 400 aircraft. The aircraft reduction allowed a consolidation of training from 5 to 3 basefields. Knox was closed on 27 May 1972 and Shell on 18 September 1972. The USAAVNS average monthly flying hours have decreased from 37,210 to 22,908.

During the past year Scheduling Branch has continuously evaluated and revised its own methods of operation to insure the constant high level of accuracy with which all student training must be scheduled in USAAVNS. Revision of numerous courses and their programs of instruction has been accomplished without deviation or degradation of student training.

Due to the reduction of student loads at USAAVNS, the base airfield and stagefield assets have been reduced and realigned. This action has substantially altered the physical location of training and the scheduling of support assets for that training. Scheduling Branch has, through its internal flexibility, consistently insured accurate scheduling of all required support at frequently changing locations.

#### CURRICULUM ANALYSIS DIVISION

##### ACCOMPLISHMENTS

The MOS Test Section was placed under operational control of the Office, DDL&P, in January 1972 and transferred to that office in July 1972. Prior to transfer, a total of 2,625 MOS test items were prepared and sent to the Enlisted Evaluation Center.

Progress was made in the conversion of examinations for systems engineered programs of instruction from written to performance type testing. Quality control guidance procedures, provided to the training departments, will assist in providing feedback information from the examination programs for use in amending training methods, media, and procedures. In conjunction with this and related programs, two new Educational Technicians positions were established within the division. Reformatting of performance data (Chapter 4 of Aircraft Operator's Manual) was completed for fixed wing aircraft. New charts were developed which were compatible with those previously developed for rotary wing aircraft. The new concept, originally proposed by this division, represents the coordinated efforts of USAAVNS, USAASTA, USAAAVS (USA AVNS), USAAVSCOM, and the publications contractor, NHA, Inc. Curriculum Analysis Division provided USAAVNS input and representation at all conferences.

Curriculum Analysis Division supervised and evaluated Phase II of the two turbine trainer tests conducted at Fort Rucker during the period 14 October 1971 through 8 November 1972. The first test utilized only the UH-1 as the training vehicle and the second test utilized a combination of the Synthetic Flight Trainer System (SFTS) and the UH-1, while employing an individually-paced, proficiency-progression type program of instruction. Results of the test revealed that: (1) An equal or superior aviator can be produced in less flight and calendar time than in the conventional program of instruction, (2) The program is suitable to train initial entry rotary wing aviators, and (3) The UH-1/SFTS trainer is a suitable instrument training vehicle. The final report was forwarded to CONARC on 19 December 1972 recommending conceptual approval.

#### EDUCATIONAL TELEVISION DIVISION

##### ACCOMPLISHMENTS

In April, USAAVNS received approval to procure a low cost, color mobile production van and supporting equipment at a cost of \$107,235.35. The last of the color equipment was received in December and mounting of the system in the van is expected to be completed by 31 January 1973.

In July, the ETV Division received eighteen color video cassette recorder/reproducer units, and fifty 21-inch and seventeen 12-inch color receivers. Receivers and playback units were placed in support of the Learning Center, individually-paced training, selected classrooms and the ETV facility.

In October, the Ampex VR-3000 Video Tape Recorder (backpack) was modified by Ampex Corporation to provide color capability.

In December, one 16mm color film chain was placed in operation, thus providing the capability to play color training films over the ETV distribution system.

The ETV Production Branch completed 2,375 minutes of production time (average of ninety-five 25-minute video tapes) during 1972. These productions have resulted in a savings of numerous manhours and hours of aircraft downtime while providing an educationally uniform and detail presentation that is not dependent of instructor/aircraft availability or weather conditions.

#### SECRETARIAT FOR TRAINING DEVICES

##### ACCOMPLISHMENT

The Extended Service Test (EST) for the Synthetic Flight Training System (SFTS), Device 2B24, conducted by USATECOM was completed on 5 Mar 72, and the device was assigned the Aviation School. The Report of Test by TECOM issued on 24 April concluded that the device was suitable for Army use. Type classification became effective in June.

Eight Trainer Change Proposals (TCP) have been incorporated in the device during the year. These TCP's were added to improve training/maintenance effectiveness of the device. Seven more 2B24 devices are to be procured for USAAVNS. A contract for the devices was awarded to Singer Company, Simulation Products Division, in December. Delivery of the first unit is scheduled for 14½ months. All School units should be delivered by December 1974.

The SFTS was moved from its temporary housing to the new synthetic trainer building, 4901, during March and April. Following completion of the move, the Aviation School awarded a contract to Singer Company Simulation Products Division, for contract field services (CFS). This contract, awarded as directed by CONARC, will provide CFS for at least a two year period. Under the CFS, the contractor furnished personnel and parts required to provide a 90 percent device availability rate for an eight hour, five day week, training program. Effective 1 October, the contract was amended and the CFS changed to read 90 percent availability for a 12 hour training day, five days a week. The actual availability rate has exceeded 97 percent for each monthly report period.

Specifications for the second developmental SFTS were completed in August. This second subsystem of SFTS is to be a CH-47 Operational Flight Trainer (OFT). The device will consist of a trainee station (cockpit), a motion system, an instructor station and a visual system, all activated and controlled by a digital computation system. The design of a visual system that will permit contact training in a helicopter simulator is a first in the simulation field. The Army Training Device Agency entered into contract negotiations for this device during November. Delivery of the developmental model is scheduled for 24 months after contract award. A new building to house the CH-47 OFT and other similar trainers has been designed in conjunction with Department of General Subjects. It will be located in the 4900 block, north of the present synthetic trainer building (4901).

A contract was awarded by the Army Training Device Agency, Orlando, Florida, for two Basic Fixed Wing Instrument Trainers (GAT 2), Device 2B27A, in August. These devices will supplement two GAT 2's now in use. The new devices will include improvements in control loading, instrument panel layout, and simulated flight and navigation facilities. The contract was awarded to the Singer Company, Simulation Products Division and delivery is scheduled for July 1973.

The DA approved Qualitative Materiel Requirement (QMR) for a Synthetic Flight Training System (SFTS) was updated and revised. This action was necessary since the original QMR was prepared by USAAVNS in 1965 and approved by DA in 1967. The revised QMR relates to the developmental model 2B24 now in use, and provides detailed training requirements for the CH-47 OFT. Annexes were incorporated to provide descriptive characteristics for development of an Operational Flight Trainer/Weapons System Simulator for AH-1Q (TOW Cobra) SFTS Subsystem, a Heavy Lift Helicopter (HLH) OFT SFTS subsystem and an Advanced Attack Helicopter Trainer (AAHT) SFTS subsystem. The engineering specifications for the AH-1Q (TOW Cobra) subsystem, Device 2B33, were completed in December.

Exploratory development tests are continuing on the Armed Aircraft Qualification Range Scoring System, Device 2H-106. Contracts were awarded to two commercial firms for feasibility testing. A scoring system, using a combination of infrared and acoustics developed by Babcock Electronics Corporation, was installed and tested on Matteson Range during February. A working conference, conducted by CONARC in October, revised the TDA to update the training requirement and incorporate results of tests conducted to date.

During April, the Army Training Device Agency awarded a contract to Trainer Corporation of America (TCA) to modify two UH-1 helicopter procedures trainers. USAAVNS provided two crew compartments from UH-1 helicopters to TCA. The contractor activated all engine instruments to enable the trainer to be effectively used as an aid to prestart, start, run-up, emergency and shutdown procedures. The altitude and airspeed indicators were made functional to permit in-flight emergency procedures training. The two 2C35 devices

(UH-1H Cockpit Procedures Trainers) were delivered to USAAVNS in October and are currently being used by initial entry rotary wing students. A requirement for three additional 2C35's has been documented.

Abbreviated Performance Characteristics (APC) for a U-21 Cockpit Procedures Trainer were prepared at USAAVNS and forwarded to CONARC. This device is to be used for a minimum of three hours by each student entering the U-21A AQC or IP course. The fidelity of simulation requested by the APC will be sufficient to allow student development of the basic skills associated with operation of the U-21A. The device will be used to aid the student in cockpit familiarization, prestart procedures, before taxi checks, engine run-up, before takeoff checks, in-flight emergencies, before and after landing checks, and engine shutdown.

# DEPARTMENT OF GENERAL SUBJECTS

## MISSION

Conducts academic training in support of the United States Army Aviation School except maintenance and medical courses; conducts flight simulator training except for initial entry rotary-wing courses; operates the USAAVNS Learning Center.

## ORGANIZATION

The Department of General Subjects was organized by General Order on 1 January 1971 and is composed of 5 divisions as follows:

- a. Operations Division
- b. Flight Subjects Division
- c. Career Training Division
- d. Flight Simulator Division
- e. Air Traffic Control Division

## PERSONNEL

Colonel Harold G. Keebaugh - 1 September 1971 - 20 August 1972  
Colonel James M. Leslie - 21 August 1972 - Present

## ACCOMPLISHMENTS

The USAAVNS Learning Center provided remedial instruction to support the primary academic and flight instructional effort at Fort Rucker with 24,318 hours of supplemental training.

The Flight Subjects Division implemented a "Pre-Examiner" course as a preparatory program of instruction for those officers and warrant officers selected to attend the instrument examiner courses. The systems engineering program for the Initial Entry Rotary-wing Aviator courses was completed which resulted in an increase in survival, escape and evasion training from 23 hours to 40 hours. Further changes established 27 hours to be devoted to the presentation of Tactical Nap-Of-The-Earth (TNOE) academic classes.

The division presented a special TNOE course to 40 flight instructors from USAAVNS, Fort Bragg, North Carolina and Fort Lewis, Washington. In November the fixed wing academic responsibility previously vested in elements at Fort Stewart, Georgia was assumed. Mr. Hubert C. Pate, DAC instructor won the Outstanding Writer award for an article published in the Aviation Digest and was presented a \$25.00 savings bond by MG Allen M. Burdett, Jr.

The Flight Simulator Division acquired two UH-1D/H cockpit procedure trainers, device 2C35. These procedural training devices enable rotary-wing students to practice and learn correct cockpit techniques, runups, inflight emergencies and engine shutdown methods in complete safety and at a vastly reduced cost. Plans and justifications for a

new flight simulator building were submitted to house the CH-47 prototype trainers programmed for delivery in October 1974. A consolidation of flight simulator training was effected by combining equipment and personnel from DAFT with DGS which resulted in a monetary saving of \$59,397.00. The division carried the "lions share" of briefings for visitors. They presented briefings to Senator Strom Thurmond, Secretary of the Army, Robert F. Froehlke, Chief of Naval Operations, Admiral Elmo R. Zumwalt, Jr., 23 general officers, 11 colonels, 5 civilians of equivalent general officer grade, and numerous visitors from civic clubs, boy scouts and similar activities.

The Air Traffic Control Division began teaching the ATC NCO Basic Course on 26 June 1972. This course was designed to develop supervisory skills and knowledge of selected enlisted personnel in grades E-4 and E-5. Extensive research was completed in systems engineering a revised Officer/Warrant Officer ATC Course in order to better equip graduates to perform their duties in the field. On 16 October 1972, the ATC Division began teaching Fort Rucker's first NCO Advance Course. This program provides 11 weeks (440 hours) of training to NCO's holding MOS's 94H, 93J, 93K, and 71P. Successful completion of the NCO Advance Course, if otherwise qualified, enables the graduate to compete for promotion to grade E-9. The division's 15G16 radar training lab was relocated to a permanent classroom structure in building 5205 from its former location in the "Tank Hill" area. VIP briefings were presented to over 200 visitors ranging from The Under Secretary of the Army to foreign general officers.

The Career Training Division moved into a new multi-media classroom complex in February of 1972. This training complex was designed for the specific purpose of housing all instructors and presenting all academic classes necessary to support the Warrant Officer Career College. During the 1972 calendar year the CTD presented classes to 96 senior CW3's and CW4's attending the Advance Course and to 191 CW2's and CW3's reporting for the intermediate course.

# DEPARTMENT OF MAINTENANCE TRAINING

## PERSONNEL

Director	COL Jack Cranford	1 Nov 71 - 1 Mar 72
	COL Robert Bretz	1 Mar 72 - 1 Aug 72
	LTC WM. B. Monts, Jr.	1 Aug 72

## MISSION

To train enlisted Army personnel as Aircraft Maintenance Repairmen to perform organizational, direct and general support maintenance.

To train aviators in the operations of aircraft systems.

## ORGANIZATION

The Department of Maintenance Training reorganized in August of 1972 from four divisions with two branches each to two divisions with two branches each in the instructional elements:

- a. Headquarters
- b. Operations Division
- c. Maintenance Support Division
- d. Primary/Observation Division
- e. Utility/Cargo Division

## ACCOMPLISHMENTS

In August of 1972, the department moved into the Maintenance Instruction Facility located at Guthrie Army Airfield. This move resulted in the department vacating thirty-six buildings of temporary construction. The Maintenance Instruction Facility has twenty-eight classrooms and two practical exercise areas. With its 124,000 square feet of floor space, this \$2.5 million complex is the largest single structure on Fort Rucker.

On 3 Jan 1972, Department of Maintenance Training implemented the 67N20 Self-Paced course of instruction which began a new concept in maintenance training. In self-paced instruction, the student progresses at his own rate thus increasing motivation and allowing a student to spend time in areas of difficult material and quickly complete easier subjects. This concept has proven very successful with the first student graduating from the 67N20 course in 146 of the 230 hours allotted. Many dignitaries, foreign and domestic, have visited the self-paced courses of instruction in this department. In addition to the many VIP's who visited the department, several service schools contacted the department and requested information and/or assistance on self-paced instruction. These schools included the Armor School, Fort Knox, KY, the Transportation School, Fort Eustis, VA, and the Missile School, Redstone Arsenal AL. Other courses that are self-paced in the department are the 67V2T and the Annex A to the 67N20 and the 67V2T POI's.

On 1 Jul 1972, all 67N20 training was consolidated and will now be conducted at Fort Rucker.

During the first quarter calendar year 1972, the General Subjects Branch assisted in the production of an aviation maintenance ETV tape to be used at Fort Jackson, South Carolina, Army Recruiting Agency.

The first twenty-nine students completing the self-paced Annex A portion of the 67V2T and 67N20 POI's by 6 Dec 72 showed an average savings of 25.4 hours of instruction per student.

The Maintenance Support Division expended 13,250 manhours in 1972 in support of the Department of Maintenance Training and other activities on post. The division restored six battle damaged OH-58's to category "C" status. Also, the division was tasked with the responsibility of painting the fifteen helicopters for the Precision Flight Team, which was reorganized in 1972. The division also continued to paint and preserve aircraft for the Aviation Museum.

Approximately 48 officers per month have attended the Rotary Wing Qualification Course and approximately 30 officers per month have attended the Instructor Pilots Qualification Course. This includes Active Army, Foreign Military, Naval and Air Force Officers.

The Department of Maintenance Training has continued to train Warrant Officer Candidates and Officers in their respective programs of instruction. Approximately 74 officers and candidates have passed through the department bi-weekly.

During the calendar year 1972, the Department of Maintenance Training has trained 2,297 enlisted repairmen in aircraft maintenance and 4,980 aviators in the operation of aircraft systems.

# DEPARTMENT OF NONRESIDENT INSTRUCTION

## MISSION

The Department of Nonresident Instruction (DNRI) is responsible within the US Army Aviation School for coordinating the preparation and revision of correspondence course materials pertaining to Army Aviation; administration of correspondence courses; preparation of the U. S. ARMY AVIATION DIGEST for publication; issue of USAAVNS instructional material to authorized offpost units, activities and agencies; distribution of the Annual Army Aviation Written Examination; and distribution of the Worldwide Army Aviation Standardization Packets.

## ORGANIZATION

DNRI is organized into the Office of the Director; the Correspondence Courses Division; Administration, Supply and Distribution; and has operational control of the U. S. ARMY AVIATION DIGEST. Its authorized strength is two officers, three enlisted men and 28 civilians. The U. S. ARMY AVIATION DIGEST's staffing remained the same in 1972 -- one military and seven civilians. DNRI was authorized the following five additional civilian spaces IAW CONARC Message 032236Z, March 1972: one education specialist; one editorial assistant; one clerk typist; two clerks. As a result of the implementation of the 1971 manpower survey, DNRI lost the following enlisted spaces: one supply specialist; two general clerks.

## CORRESPONDENCE COURSES DIVISION

The Correspondence Courses Division of DNRI has been finishing the Warrant Officer Career Intermediate Course, correspondence which is scheduled to be presented to the field in March 1973. This is the first career course the Aviation School has had. Also, requests for material from Reserve Components have been increasing and, along with other expansions, has made it necessary for DNRI to acquire Building 5817.

During 1972 the following correspondence courses were revised:

- AVN 5 - Designation, Characteristics, and Weight and Balance of Army Aircraft, Feb 72
- AVN 6 - Weather Elements, Reports, and Forecasts, Oct 72
- AVN 8 - Flight Regulations and Air Traffic Control, Dec 72
- AVN 10 - Basic Air Navigation and Flight Information Publications, Aug 72
- AVN 11 - Flight Plans and Communication Procedures, Jan 72
- AVN 15 - Organization and Roles of Army Aviation (Advanced), Jun 72
- AVN 16 - Army Aviation in the Theater Army Support Command, Mar 72
- AVN 19 - Aviation Maintenance and Supply, Forms and Publications, Sep 72
- AVN 20 - Aircraft Maintenance, Jan 72

- AVN 23 - Army Aviation Special Operations, Mar 72
- AVN 25 - Airmobile Operations, Apr 72
- AVN 27 - Aircraft Accident Prevention, Jan 72
- AVN 28 - Army Tactical Air Traffic Control System, Jan 72
- AVN 29 - Helicopter Operations from Amphibious Assault Ships, Mar 72
- AVN 51 - Introduction to Army Aviation and the Army Maintenance System, Jun 72
- AVN 52 - Technical Publications, Jan 72
- AVN 54 - Basic Electricity and Electrical Components, Dec 72
- AVN 55 - Army Aircraft Systems, Dec 72
- AVN 56 - Aircraft Instruments and Landing Gear, Apr 72
- AVN 59 - Fuel and Oil Service, Oct 72
- AVN 75 - Tactical Map Reading, Nov 72
- AVN 279 - Organization and Roles of Army Aviation (Basic), Mar 72

In 1972 student enrollment totaled 3,996 (up from 3,215 in 1971) and 49,331 lessons and exams were processed (up from 43,771 in 1971).

#### U. S. ARMY AVIATION DIGEST

The Periodical Authorization Ad Hoc Committee convened by The Adjutant General, Department of the Army, surveyed the DIGEST by questionnaire and on-site concerning costs and controls and effectiveness. This was a result of an order of the Secretary of Defense to review all periodicals. The DIGEST was approved for a one year period beginning 1 September 1972. Henceforth, an annual review would be required for approval.

Other changes made as a result of the survey by the Ad Hoc Committee on Periodicals placed a ceiling of 35,000 issues per month on the DIGEST and also reduced the magazine from 64 to 48 pages per month, plus cover, effective with the October issue. The 35,000 ceiling was to go into effect at a date to be announced in 1973.

Foot and Davies of Doraville (Atlanta), GA, lost the contract for printing the DIGEST to W. R. Bean and Son, Inc. of Atlanta. The April issue was the first under the new contract.

The DIGEST's average circulation was 53,838 copies printed per month. The high for the year was 55,140 copies of the September issue. The all-time high was 64,326 copies printed in September 1969.

# DEPARTMENT OF ADVANCED FLIGHT TRAINING

## MISSION

Department of Advanced Flight Training's primary mission is to provide flight, simulated flight and tactical instruction for qualification and instrument training for initial entry rotary wing students.

## ORGANIZATION

The Department completed its first full year as the Department of Advanced Flight Training, formerly the Department of Rotary Wing Training. At the beginning of the year initial entry flight training was conducted through four divisions - Basic Instrument Flight Division, Advanced Instrument Flight Division, Contact Flight Division and Tactical Training Division. Prior to the reorganization of the IERW program on 15 September 1972, instrument training was administered in three stages by the Basic and Advanced Instrument Flight Divisions. The Basic Instrument Flight Division conducted two stages of training which consisted of a basic instrument stage conducted by Doss Aviation, and an intermediate stage, conducted by military personnel.

Upon closure of Shell AHP, the Basic Instrument Flight Division was incorporated into the Advanced Instrument Flight Division. The combined divisions were redesignated as the Instrument Qualification Division. The consolidation reduced the requirements for flight instructor changes.

On 29 May 1972, the Contact Flight Division was reorganized into two branches with two flights each which resulted in a reduction of overhead personnel. Effective 27 November 1972, with Class 72-7/8, the instrument flight training program was changed to include the Synthetic Flight Training System (SFTS) as an integral part of the POI. The SFTS was utilized initially during the first and second weeks of training with a total of 7.5 hours pilot or student times and an additional 7.5 hours of co-pilot or jump seat time. Preliminary results show that the expanded program utilizing the SFTS has been highly successful.

As a result of the reorganization the Contact Flight Division was relocated from Knox Army Heliport to Hanchey Army Airfield and subsequently to Lowe Army Airfield. The Tactical Training Division remained at Lowe Army Airfield throughout the year.

## PERSONNEL

Colonel Colin D. Ciley, Jr. was the Department Director through 17 June 1972. Colonel John H. Richardson became the Director on 3 July 1972. During interim period LTC Richard K. Dietsch served as Acting Director.

The Department of Advanced Flight Training experienced a turnover rate of 72% during the year. Authorized strength for the Department at the close of the year was as follows: Officers - 12; Warrant Officers - 219; Enlisted Men - 38; Civilians - 73. Assigned strength was: Officers - 157; Warrant Officers - 148; Enlisted Men 31; Civilians - 66.

## ACCOMPLISHMENTS

In 1972 a total of 1,421 initial entry rotary wing students graduated and received the

wings of an Army aviator. Two hundred forty seven Air Force students graduated from initial entry flight courses during the year. This is a total of 1,739 students that graduated from Department of Advanced Flight Training courses. In accomplishing this training 181,215 aircraft hours were flown and 15,776 hours of synthetic flight training was accomplished. The synthetic flight training included 2,068 hours in the new synthetic flight training system. The allied students trained were from Germany, Iran, Norway, Panama, Dominican Republic, Paraguay, Chile, Venezuela, Spain and Guatemala.

Three tests were conducted during 1972 utilizing the SFTS and turbine powered aircraft. The first test was to complete the service testing of the SFTS. The second test was conducted utilizing only turbine powered aircraft. The last two tests were directed to test the feasibility of reducing flight, course length and costs by utilizing the SFTS and turbine powered aircraft exclusively in the course of instruction. It was determined that a substantial reduction in flight hours and training days could be accomplished by the use of turbine powered aircraft and by substituting SFTS time for actual flight time.

In order that new aviators be better prepared for a mid to high intensity conflict, the implementation of Tactical Nap-of-the-Earth (TNOE) subjects in initial entry rotary wing courses were determined to be essential. Academic and flight training will begin with Class 73-7/8 early in 1973.

During the year, the Department of Advanced Flight Training had a total of 4 accidents with 2 fatalities for a rate of 2.20 accidents per 100,000 flight hours.

During CY 72, the Department of Advanced Flight Training was awarded a Third Army Certificate of Achievement in Aviation Safety. The Tactical Training Division received four USAAVNC Bronze Plaques for their superior accident prevention program; the Contact Flight and Basic Instrument Flight Divisions received two Bronze Plaques each; and the Advanced Instrument Flight Division received one.

A great deal of management improvement and cost reduction was accomplished by the closing of Shell Army Airfield, Knox Army Heliport and the departmental reorganization.

A complete systems engineered initial entry rotary wing program of instruction was completed IAW CONARC Reg 351-3. Flight training guides necessary for the POI have been developed. Coordination is being maintained with other departments responsible for IERW training to insure subjective quality control.

Departmental briefings and demonstrations were presented to a number of senior officers and visitors from allied countries as well as the United States. Countries represented included Japan, Canada, Republic of China, England, France, Israel and Norway. Sixty three cadets from several countries in South America also received briefings. New permanent party and student wives received an opportunity to see their husbands at work and receive briefings pertaining to their occupation or training. All tours and/or briefings were well supported by staff and faculty, students and families.

# DEPARTMENT OF GRADUATE FLIGHT TRAINING

## MISSION

Responsible for the conduct of all advanced rotary and fixed wing courses of instruction conducted at the United States Army Aviation School, less gunnery, academic and instructor pilot phases (except CH-54 IP training). Serves as Contracting Officer's Representative for Fixed and Rotary Wing Flight Training Contracts.

## ORGANIZATION AND PERSONNEL

Colonel Jack Cranford became Department Director on 10 September 1972, replacing Colonel Bruce B. Campbell who departed PCS.

The Department of Graduate Flight Training consists of a Headquarters and three Divisions - Operations Division, Graduate Instrument Division and Graduate Rotary Wing Division - as specified in DA approved TDA 3A-WLDZAA dated 24 June 1972 with an authorized strength of 93 Officers, 131 Warrant Officers, 60 Enlisted and 38 Department of the Army Civilians for a total of 322. The Department is responsible for the conduct of 18 different courses of instruction in 10 types of aircraft.

The OPERATIONS DIVISION is responsible for the development of flight training plans and advises the Director on presentation of instruction by Department resources, as well as application of doctrine, tactics and techniques. Coordination and scheduling of training in 10 types of aircraft - with a daily aircraft usage averaging 150 - and coordination and scheduling of numerous training sites and facilities is also accomplished by the Operations Division.

The GRADUATE INSTRUMENT DIVISION conducts advanced fixed wing and rotary wing flight qualifications courses, rotary wing instrument training courses, fixed wing and rotary wing instrument flight examiner training and multi-engine pilot transition training in U-8, U-21, OV-1, T-41, T-42 and UH-1 aircraft. The Division monitors and evaluates academic, synthetic training and flight training conducted by civilian contractors.

The GRADUATE ROTARY WING DIVISION conducts advanced rotary wing flight qualification and multi-engine pilot transition training in the OH-6, OH-58, UH-1, CH-47 and CH-54 aircraft. Conducts instructor pilot training in CH-54 aircraft. A major portion of the training in the CH-47 and CH-54 aircraft involves lead operations.

## ACCOMPLISHMENTS

During CY 1971 2,307 students graduated from courses conducted by Department of Graduate Flight Training.

Training hours flown in CY 1972 were 116,715 hours.

Seventy-eight Officers and Warrant Officers who had never been awarded an Army instrument rating received training under the instrument up-date program and were instrument qualified. Over 2,000 flying hours were involved in this effort.

Fifty Officers/Warrant Officers were given special qualifications in the OH-58. This will allow them to take advantage of available CRF aircraft in accomplishing annual flight minimums.

The Fixed Wing Qualification Course was reflowed into a multi-phase multi-track course, and deleted the requirement for a separate UH-8 and U-21 AQC. Phase I of FWQC which was located at Fort Stewart, Georgia, was moved to Fort Rucker and became Phase I & II of the new course. The first class to start training under the new POI was 73-6 which reported for training on 27 Nov 72.

The UH-1 AQC (NAVY) course was cancelled.

Phase III of the Rotary Wing Qualification Course and the Rotary Wing Instrument Course were contracted to DOSS Aviation in November 1972. The contractor assumed training in these courses on 4 Dec 72.

The Department realized a cost savings of \$347,300 by graduating 1,406 students on a proficiency basis during FY 72.

Actual cost operating budget for FY 72 for funded items was \$627,699.



# DEPARTMENT OF STANDARDS AND INSTRUCTOR TRAINING

## MISSION

The Department of Standards and Instructor Training is responsible for the conduct of all flight and academic instructor training, with the exception of the CH-54 IP course and selected fixed wing academic courses, for the United States Army Aviation School and Department of the Army approved courses of instruction. DSIT develops policies for the worldwide Army Aviation Standardization Program and insures standardization of all USAAVNS flight and academic training; conducts all aerial gunnery training, with the exception of AH-1G Cobra training.

## PERSONNEL

Director - Colonel Robert D. Bretz

The current authorized strength is as follows:

Commissioned Officers	82
Warrant Officers	48
Enlisted Personnel	56
Civilian Personnel	39

## ORGANIZATION

Although Aviation Armament Division has been active in the conduct of aerial gunnery training and development of tactical gunnery and nap-of-the-earth doctrine during CY 1972, internal reorganization, which took place on 1 December 1972, has combined the mission of the Aviation Armament Division with that of the Instructor Training Division. As a result, the Department has three divisions; Operations Division, Instructor Training Division, and Standards Division.

## ACCOMPLISHMENTS

The Aviation Armament Division had an accident-free record since it was organized on 1 March 1971. The Aviation Armament Division was designated the Tactical Training Branch of Instructor Training Division. The Tactical Training Branch is training the instructor pilots in the new concept of nap-of-the-earth instruction. Also, with the exception of the AH-1G Cobra, they train all of the gunnery instructor pilots.

In CY 1972, Instructor Training Division has trained 145 UH-1 IP's, 107 OH-58 IP's, 51 CH-47 IP's, 40 OH-6 IP's, 28 M22 IP's for a total of 371 rotary wing instructor pilots in DA courses. Also, ITD trained an additional 80 local RW instrument IP's and 280 RW contact IP's. During CY 1972, the Fixed Wing Branch trained 25 U-21 IP's, 13 U-8 IP's, and 12 OV-1 IP's in DA courses.

There were 580 67N20 (Door Gunner) students trained in 1972 prior to the course being discontinued.

The RW Instrument Branch helped in the instrument upgrade program by training 14 RW aviators for their standard instrument rating. The RW Instrument Branch now has 8 instrument SIP's and 15 instrument examiners of which three are dual rated.

The Instructor Training Division is highly involved with the planning and implementation of the multi-track, multi-phase concept of training.

Operations Division's Curriculum Development and Systems Engineering Section continued the systems engineering of those courses for which the Department has proponency. Significant progress towards completion of this five-year CONARC project was made during CY 1972.

The Worldwide Standardization Program was established by Department of the Army in Jun 1972. Standards Division, DSIT, was designated by CONARC as the proponent agency for development of material contained in Flight Standardization Packets and to provide other support for the program. Eighteen Flight Standardization Packets were developed by Standards Division and were made up of Programs of Instruction, Lesson Plans, Flight Training Guides, Sample Examinations, Standardized Aircraft Maneuver Guides, and approved Programmed Texts.

After development, worldwide distribution of the packets was made by the Department of Non-Resident Instruction. As a result of the development of standardization packets, significant strides were made in standardizing all USAAVNS flight training literature.

The Standardization Instructor Pilot Branch began administering instructor pilot flight evaluations for USAAVNS instructor pilot equivalency for instructor pilots throughout CONARC in support of the Department of the Army Worldwide Standardization Program. The Standardization Instructor Pilot Branch developed the Standardization Instructor Pilot (SIP) Course, prepared the necessary training literature, and evaluated the course. After the evaluation was complete, the entire course was submitted to DOI for approval.

The 1973 Army Aviation Annual Written Examination and all of the associated material was developed and a test version was administered to aviator volunteers at USAAVNS by the Publications Section.

The importance of computerizing Annual Written Examination material was recognized by the Publications Section, Standards Division, and as a result of work with Management Information Systems Office in 1972, the 1973 Annual Written Examination will be computerized for fast availability of information.

The new format for fixed wing operator's manual performance data charts was finalized and approved by Aviation Systems Command. Standards Division personnel participated in the development of the new format and were instrumental in insuring pilot orientation of the charts. Standards Division conducted the user level evaluation of these performance charts in October 1972.

Standards Division hosted the first conference for the Aviation Systems Command to analyze and reformat all aircraft operator's manuals for the purpose of better utilization and simple referencing. Representatives from Standards Division participated in other conferences for this purpose throughout the year.

A member of the Standardization Branch was appointed to represent USAAVNS as a United States delegate to a NATO conference for the long-term study of the attack helicopter and its role in Europe.

A Standards Division representative attended the Third United States Army Aviation Standardization Conference at Fort Bragg, North Carolina. Participation in Army Standardization Conferences will continue in order to better understand flight training problems at other locations.

# UNITED STATES ARMY AVIATION SCHOOL ELEMENT

## MISSION

As directed and within the guidance furnished by Commanding General, United States Continental Army Command, and Commandant, United States Army Aviation School, the general mission of the United States Army Aviation School Element, Hunter Army Airfield/ Fort Stewart, Georgia, is to conduct training and instruction in various phases of Army Aviation.

## ORGANIZATION

The USAAVNS Element was assigned to the United States Army Aviation School pursuant Third United States Army General Order 448 effective 24 June 1972. As of 31 December 72 the Attack Helicopter Training Department remained at Hunter Army Airfield, GA, under staff supervision of the Director of Instruction, USAAVNS.

## PERSONNEL

Key personnel for USAAVNS Element, Hunter/Fort Stewart as of 31 December 1972 or phase out of each Department were:

Assistant Deputy Commandant	Lieutenant Colonel Sidney L. Strickland
School Secretary/Director of Instruction	Lieutenant Colonel Harold M. Bailey
Assistant School Secretary	Lieutenant Colonel George H. Lincoln
Department of Rotary Wing Training	Lieutenant Colonel Sidney L. Strickland
Department of Fixed Wing Training	Lieutenant Colonel Robert B. Vassar
Attack Helicopter Training Department	Lieutenant Colonel Ronald C. Perry

## SCHOOL SECRETARY/DIRECTOR OF INSTRUCTION

## MISSION

As a principal school staff office, the Office of the School Secretary/Director of Instruction advises the Deputy Commandant on overall management of manpower resources, plans of instruction and management of facilities and aircraft, academic and flight records and administration of the USAAVNS Element. Representative for the USAAVNS Element on the US Army Flight Training Center Program Budget Advisory Committee.

## ORGANIZATION/PERSONNEL

Key personnel as of phase out:

School Secretary/Director of Instruction	Lieutenant Colonel Harold M. Bailey
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Assistant School Secretary	Lieutenant Colonel George H. Lincoln
Chief, Administrative Branch	Captain Charles L. Hall
Chief, Academic Records Branch	Captain Robert W. Magee
Chief, Foreign Liaison Branch	Major Donald W. Reck
Chief, Management/Program-Budget Branch	DAC G. W. Brown
Chief, Curriculum/Evaluation Branch	Captain Robert A. Schweiger
Chief, Operations Branch	Captain Chetlain D. Craig

#### ACCOMPLISHMENTS

The Technical Library had a total collection of 29,518 items consisting of books, periodicals, military publications, FAA publications, pamphlets, documents, microfilm documents, maps, college catalogs and telephone directories. No materials were circulated from the Technical Library after 15 October so that an inventory could be taken and disposition made of materials. Some books, documents, microfilm documents, ARs, FMs and TMs were sent to the Technical Library, Fort Rucker. A large number of books were transferred to the Post Library, Fort Stewart. Outdated and worn books were sent to Property Disposal. A list of the remaining books was circulated to Third Army Librarians so they could request any books they needed.

The Foreign Liaison Branch provided administrative support to assigned and attached personnel of the Allied Military Training Program and implemented the Department of Defense Informal/Sponsorship Program. The following charts depict local tours, Washington tours, General's Receptions and Graduations by class during the period 14 August 1971 to 17 June 1972:

<u>CLASS</u>	<u>STUDENTS</u>	<u>TOURS</u>	<u>WASHINGTON TOURS</u>	<u>GENERAL'S RECEPTION</u>	<u>GRADUATION</u>
71-21	27				15 Jan 72
71-22	17				29 Jan 72
71-23	30				12 Feb 72
71-24	17	1	1	26 Sep 71	26 Feb 72
71-25	20	1	1	10 Oct 71	11 Mar 72
72-01	25		1	27 Oct 71	25 Mar 72
72-02	27				22 Apr 72
72-03	13				20 May 72
72-04	17				17 Jun 72

As of 17 June 1972, a total of 1,417 Vietnamese Officers and Air Cadets became rotary wing qualified at the USAAVNS Element. During the calendar year 1972 a total of 515 students graduated from the AH-1G (Cobra) Transition, 48 students graduated from the AH-1G (Cobra) Instructor Pilot Course and 142 students graduated from the Fixed Wing Qualification Course. A total of 15,693 students have graduated from the Fixed Wing and Rotary Wing Courses since the School's inception.

During January 1972, General Westmoreland and General Haines visited Hunter Army Airfield and coordination was effected for 586 visitors, including 28 General Officers. During February 1972, coordination was effected for 603 visitors, including 3 General Officers and the US Army Band and Chorus participated in the opening week of the Savannah Civic Center. During March 1972, coordination was effected for 455 visitors, including 3 General Officers and approximately 1,800 civilians attended the Women's Army Corps Band concert at the Savannah Civic Center. During April 1972, coordination was effected for 351 visitors, including 2 General Officers. During May 1972, coordination was effected for 112 visitors, including 11 General Officers. During June 1972, coordination was effected for 226 visitors, including 8 General Officers. During July 1972, coordination was effected for 313 visitors, including 10 General Officers and Brave Shield III planning conference was held. Approximately 125 representatives of all services attended. During August 1972, coordination was effected for 105 visitors, including 8 General Officers and approximately 250 persons attended the farewell ceremony for Brigadier General Eugene M. Lynch. During September 1972, coordination was effected for 28 visitors, including 7 General Officers and approximately 200 persons attended the Daedalian Award Dinner at which time the Attack Helicopter Training Department was presented the Daedalian Safety Award. During October 1972, coordination was effected for 26 visitors, including 2 General Officers. During December 1972, coordination was effected for General Creighton W. Abrams, Chief of Staff, US Army.

During the month of June, all off post leases in support of military flight training were terminated. The ETV offices at Hunter and Stewart were closed. With the close of the ETV offices, DOI effected coordination between AHTD, DFWT, ETV Fort Rucker, Chief, Program Branch, CONARC, and ETV Fort Monmouth in order to convert eight TV tapes to 16mm sound-on film for use with academic and flight instruction.

#### DEPARTMENT OF ROTARY WING TRAINING

##### MISSION

The Department of Rotary Wing Training's primary mission is to conduct UH-1 Transition, Advanced Contact, Instrument and Tactical Flight Training for Allied Military students undergoing initial rotary wing qualification. In addition, the Department conducted flight simulator and academic training in support of flight and conducted special rotary wing flight courses as required to support all phases of Allied Military Training.

##### ORGANIZATION/PERSONNEL

Director	Lieutenant Colonel Sidney L. Strickland
Assistant Director	Lieutenant Colonel Valention Panzitta
Operations Division	Major James R. Hensley
Flight Standards Division	Major Virgil L. Yarbrough

##### ACCOMPLISHMENTS

On 22 May 1972, the last class of 17 Allied Military students arrived at Evans Army Heliport to begin the last phase of their aviation training. The Department of Rotary Wing Training graduated the last class of VNAF students on 17 June 1972, totaling 193 students for the year. After the last class of VNAF students graduated, DRWT phased out.

DEPARTMENT OF FIXED WING TRAINING

MISSION

As a principal school staff office, Department of Fixed Wing Training advises and assists the Deputy Commandant through the Director of Instruction on all activities of Fixed Wing Training.

ORGANIZATION/PERSONNEL

The Department had two divisions: the Operations/Supply Division and the Instructional Division. The Instruction Division had supervisory control over three branches: Academic, Flight Training and Methods of Instruction/Evaluation Branch. The authorized strength for the Department was as follows: 37 officers, 15 warrant officers, 6 enlisted men and 35 civilians for a total of 93.

ACCOMPLISHMENTS

The Fixed Wing Qualification Course, Phase I, training began in August 1966 and terminated with graduation of Class 73-05 on 22 November 1972. A total of 1422 students graduated and advanced to Phase II training at Fort Rucker. On 8 December 1972, the Department of Fixed Wing Training closed out and moved to Fort Rucker, Alabama.

ATTACK HELICOPTER TRAINING DEPARTMENT

MISSION

To qualify US Army aviators and selected foreign officers in the AH-1G attack helicopter and to familiarize them with the present Army family of aerial weapons.

To train instructor pilots in methods of instruction in the AH-1G attack helicopter.

ORGANIZATION/KEY PERSONNEL (as of 31 Dec 72)

Director	Lieutenant Colonel Ronald C. Perry
Assistant Director	Major Davil L. Kenny
Administrative Officer	Captain Paul H. Fishman
Chief, Operations/Supply Division	Major Thomas C. Teasdale
Chief, Instructor Division/Cobra Qualification	Major Robert O. Abney
Chief, Standards/Methods of Instruction Branch	Captain Glenn E. Granberry
Chief, Academic Branch	Captain William A. Reavis
Chief, Gunnery Branch	Captain Thomas R. Pearson

ACCOMPLISHMENTS

During Calendar Year 1972, the Attack Helicopter Training Department graduated 515 students from the AH-1G Aviator Qualification Course (2C-100E), 48 students from the AH-1G Instructor Pilot Qualification Course (2C-F14), and 6 students from the In-House Methods of Instruction Course. An additional 4 Spanish Naval Officers and 1 Italian Officer successfully completed the AH-1G Aviator Qualification Course and 2 Spanish

Naval Officers graduated from the AH-1G Instructor Pilot Course. Also, the Allied Military Training Committee qualified 24 Vietnamese pilots on the UH-1B helicopter. A Special Student Gunnery Program was set up for 8 students from the US Army Aviation Systems Test Activity.

The Attack Helicopter Training Department was presented numerous safety awards during 1972. The highest aviation safety award, the Daedalian Award, was presented in September 1972; the Third Army Commanding General's Safety Award was presented in September 1972; and a US Army Flight Training Center Award for Accident Free Flying and Safety was presented 12 July 1972. The following individuals received certificates of achievement for attaining 2,000 accident free hours or 1,000 accident free instructor pilot hours: CPT Paul H. Fishman, CPT Glenn E. Granberry, CPT David F. Sale, CPT Basil D. Tisdale, CW3 Paul Ashley, CW3 Paul W. Atkinson, CW3 William Schulmerich, CW2 Andy McJohnston and CW2 Barry Schreiber.

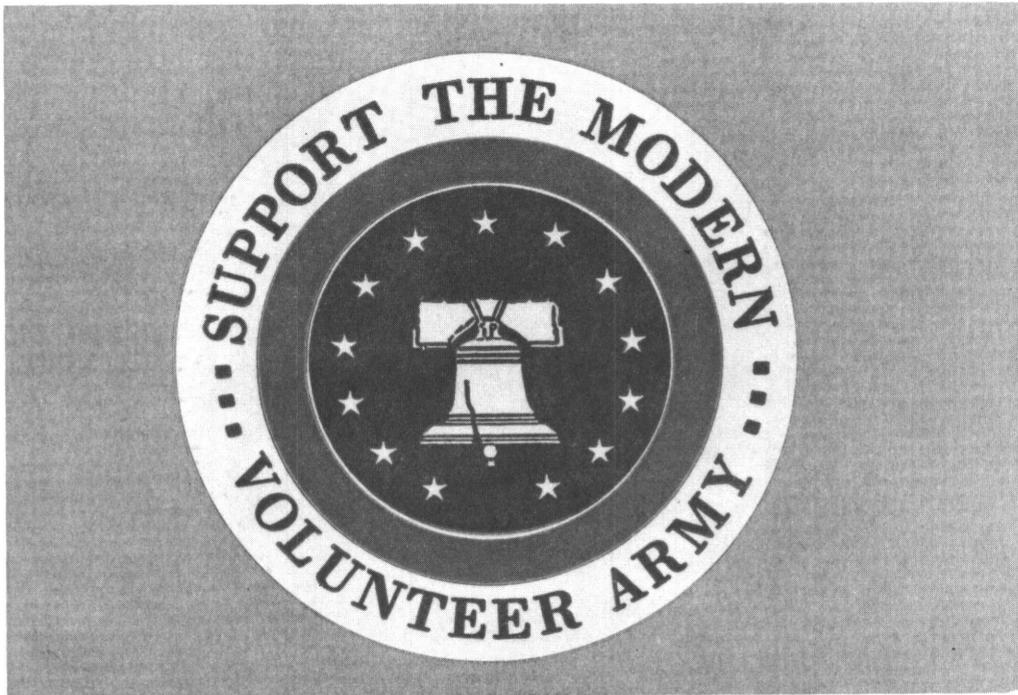
The Attack Helicopter Training Department distinguished itself in the development of training aids by providing the aircraft and crew for a Department of the Army Category 1 training film entitled "AH-1G Preflight, Parts I and II".

The Attack Helicopter Training Department made ample contribution to the Cost Reduction Program, i.e., the syllabus for the Helicopter Instrument Flight Course (HIFC) for assigned personnel and the AH-1G Instructor Pilot Qualification Course (2C-F14) were reduced, saving the Government approximately \$16,407.00 and \$295,106.64 respectively. This totals \$311,513.64 annually, without reducing the quality of instruction.

Personnel of the Attack Helicopter Training Department participated in numerous fire power demonstrations for VIPs such as the Honorable Kenneth E. Belieu, Undersecretary of the Army; General William C. Westmoreland, then Chief of Staff, US Army; General Creighton W. Abrams, Chief of Staff, US Army; the War College; West Point Cadets; etc. Also, foreign VIPs, including Major General Richardson, Director of British Army Aviation; LTC Ryo Kobayashi, Research and Development Department, Japan Ground Self Defense Force Aviation School; and CPT William G. Walton, Canadian Forces Headquarters.



## CHAPTER 3



## USA AVNC/S SUPPORT UNITS

# HEADQUARTERS COMMAND

## MISSION

To provide command and control to units assigned and attached to Headquarters Command including responsibilities for administration, rations, quarters, training, and military justice to include Special Courts-Martial jurisdiction over Class II activities.

To provide logistical support to the United States Army Aviation Center.

To provide assistance to Class II activities as directed.

## ORGANIZATION

Headquarters Command consists of the following units:

- Headquarters Company
- B Company
- D Company
- E Company
- F Company
- WAC Company

Attached units:

- 141st Military Police Company
- 98th Army Band
- Region III Field Office, USACIDC
- Detachment 9-16th Weather Squadron (MAC) USAF
- 123d Ordnance Detachment (EOD)
- Marksmanship Detachment

On 15 September 1972, A Company and Headquarters Company, Headquarters Command, were merged and the newly constituted unit was designated Headquarters Company, Headquarters Command, per USAAVNC General Orders Number 566, dated 11 October 1972.

Effective 15 September 1972, pursuant to General Orders Number 388, Headquarters Third United States Army, Fort McPherson, Georgia 30330, dated 1 August 1972, Firefighter Company (Prov) was redesignated D Company, Headquarters Command.

Effective 15 September 1972, pursuant to General Orders Number 388, Headquarters Third United States Army, Fort McPherson, Georgia 30330, dated 1 August 1972, E Company was organized from elements of the Airfield Support Group and assigned to Headquarters Command.

Effective 15 September 1972, pursuant to General Orders Number 388, Headquarters Third United States Army, Fort McPherson, Georgia 30330, dated 1 August 1972, F Company was organized from elements of the Airfield Support Group and assigned to Headquarters Command.

Effective 20 September 1972, pursuant to General Orders Number 587, Headquarters United States Army Aviation Center and Fort Rucker, Fort Rucker, Alabama 36360, dated 6

November 1972, the Fort Rucker Field Office/Resident Agency, Third Region United States Army Criminal Investigation Command was attached to Headquarters Command for court-martial jurisdiction only.

PERSONNEL

Commanding Officers for CY 72 were:

LTC Dan R. Smith - through 19 June 1972  
LTC Johan B. Davis, Jr. - 20 June 1972 to present

Command Sergeant Major for CY 1972 was:

CSM Robert S. Payne - 1 November 1971 to present

AVERAGE STRENGTH

	<u>OVERHEAD</u>	
	<u>OFF</u>	<u>EM</u>
Authorized	17	70
Assigned	16	37

ACCOMPLISHMENTS

In May, Headquarters Command underwent its annual IG inspection and was awarded an overall rating of "Satisfactory."

The following individuals were selected as Headquarters Command Soldier of the Month:

January	SP4 Thomas H. Moore	A Company
February	SP4 Daniel E. Lease	A Company
March	SP4 Edwin L. Crain	141st MP Company
April	PFC Daniel R. Stotler	B Company
May	SP4 John L. Fisher	141st MP Company
June	SP4 Amado C. Lagmay	A Company
July	SP4 Gary N. Bring	141st MP Company
August	SP4 Charles W. Keller	B Company
September	SP4 Gregory L. Gurule	B Company
October	SP4 Robert L. Henry	B Company
November	SP4 Henry H. Hughes	B Company
December	SP4 Charles H. Abell	E Company

The following individual was selected as Fort Rucker Soldier of the Month:

SP4 Charles W. Keller, B Company

## HEADQUARTERS COMPANY

### MISSION

The mission of Headquarters Company is to perform command, administrative, training, supply functions, billeting, and recreational facilities for all assigned or attached personnel. Additionally, Headquarters Company operates the USAAVNC Transient Facility for newly assigned personnel awaiting ultimate unit assignment on post, plus those individuals held at Fort Rucker awaiting compassionate reassignments and discharges. A periodic function of the company's Transient Detachment is to provide billets for visiting athletic teams and other groups such as the 3rd Army Soldier Show, Boy and Girl Scouting Units, Marksmanship contingents, National Guard and Reserve Groups, etc.

### ORGANIZATION

On 15 September 1972, A Company and Headquarters Company, Headquarters Command, were merged and the newly constituted unit was designated Headquarters Company, Headquarters Command, per Center General Order 566, dated 11 October 1972.

### PERSONNEL

Commanders for A Company and the new Headquarters for CY 72 were:

MAJ Thomas L. Martin - through 30 June 1972  
MAJ Patrick W. Merten - 30 June 1972 - present

Commander for the old Headquarters Company was:

CPT Richard A. Hamilton - through 15 September 1972

The beginning of 1972 saw the unit strength of A Company at 290 personnel assigned and 80 attached, while the old Headquarters stood at 63 assigned and 34 attached. During the spring and summer these figures fluctuated due to normal gains and losses and Army manpower policies. As mentioned previously, A Company and the old Headquarters Company merged under one Commander on 15 September 1972 and the newly formed organization was designated Headquarters Company. Since that time the company's strength has averaged 198 personnel assigned and 191 attached.

### ACCOMPLISHMENTS

The beginning of the year saw A Company in a fight for the Fort Rucker Intramural Basketball Championships, which it won in February 1972. At the same time the company had two teams involved in the Post Intramural Bowling competition. In March 1972 A Company was declared the champions in this field when it won first and second place over all other teams at Fort Rucker.

In April 1972, A Company was given an unannounced Annual General Inspection by the Fort Rucker Inspector General's Office. Although given only a few hours notice, the unit passed all phases of this scrupulous inspection with flying colors and received laudatory comments by the members of the team in the areas of company administration, unit supply, fire and safety, and the appearance of its personnel and barracks.

On 18 December 1972, Headquarters Company, Headquarters Command, hosted a group of orphans from the Alabama Baptist Children's Home, Troy, Alabama, for a day at Fort Rucker. This event is designed to provide the boys and girls from the ages of 6 through 12 with a memorable occasion during the Christmas Season. The men of the company have donated their time and money to this event which provided the children with a precision flight demonstration by the US Army's Silver Eagles, a sky diving

demonstration by the Fort Rucker Sky Diving Club, a luncheon at an Army messhall, a tour of the United States Army Aviation Museum, and finally, a Christmas party with cake, ice cream, a magic show, and presents for each youngster handed them by our own unit Santa Claus. In addition to individual gifts, a ping pong table will be presented to the Children's Home this year. All expenses for this event were covered by individual contributions from unit members. It is hoped that this event will become a tradition in this company and continued in years to come.

A Company fielded a softball team which fought its way into the finals held at Bender Field. At the end of the competition, the company was in 3rd place in the overall post standings. This effort materially boosted A Company's chances for top honors in the Fort Rucker Commandant's Trophy awarded each year.

In the spring of 1972, the 141st Military Police Company was moved into the A Company barracks and soon a harmonious joint occupancy of Building 4503 existed. The TV, Game, and Laundry rooms were used by members of both units, with Unit Fund properties shared by all. There have been no significant problems from this cohabitation to date.

Headquarters Company instituted several practices for the welfare of its members during 1972. One of these is the "Company Smoker", held monthly. This social affair provides an evening where the soldier can eat the evening meal served with beer and soft drinks while watching sports films and talent shows in the units TV room located in the barracks. This event has bolstered unit morale and since the expense is borne by the Unit Fund, it is a popular event at the end of the month. Another recently developed program in the organization is the "Barracks Council". This group is made up of lower ranking soldiers who live in the Headquarters Company barracks. The purpose of the council is to discuss among all men in the barracks, their needs, desires, gripes, and recommendations, and to present these ideas to the command for consideration and possible implementation. Many good suggestions and ideas have come from this group, and it offers an avenue of communication to the soldier who is hesitant to use the Commander's Open Door policy. The chairman of the Barracks Council also serves as a member of the Unit Fund Council and assists in making more worthwhile expenditures for the soldiers of Headquarters Company.

#### B COMPANY

##### MISSION

B Company's mission is to provide quarters, training, administration, supply and discipline for the personnel assigned and attached.

##### PERSONNEL

Commanders for CY 1972 were:

MAJ Orville J. Hengen, Jr.	-	through February 1972
MAJ Ronald D. Renfro	-	February 1972 - present

During the year the average monthly strength decreased from 594 personnel assigned to 262 assigned.

The personnel turnover rate for the company was 64 percent.

##### ACCOMPLISHMENTS

As a result of MVA projects each EM has modern furniture to add to the decor of his room.

Through the year the company has obtained the necessary furniture and material and made

operational a Company Reading and Writing Room.

The unit fielded teams in softball, football, bowling, marksmanship and basketball. Although no championships have been won, a winning record was achieved by each team.

#### D COMPANY

##### MISSION

To provide Firefighter Personnel, (MOS 51M) as required by the Directorate of Facilities Engineering to include responsibilities for command, administration, training, supply, and disciplinary functions. Provide and maintain billeting for all assigned and attached personnel. Provide miscellaneous details upon request from competent authority.

##### ORGANIZATION

Effective 15 September 1972, General Orders Number 388, Firefighter Co (Prov) was re-organized to become D Company, Headquarters Command.

##### PERSONNEL

Commanding Officers for CY 1972 were:

CPT Guy J. Barringer - through 18 August 1972  
CPT Charles M. Ryland - 18 August 1972

Executive Officer for the year was:

1LT Thomas A. Griffis - 15 September 1972

First Sergeants for the year were:

1SG David Nelson - through 15 May 1972  
1SG Willis C. Kinard - 15 May 1972 -

##### AVERAGE STRENGTH

	<u>OFF</u>	<u>EM</u>
Authorized	2	188
Assigned	2	142

##### ACCOMPLISHMENTS

In CY 72 the Fire Department civilian personnel combined with D Company personnel responded to approximately 1800 incidents. These involved structural accidents and aircraft fires, stand by or emergency incidents, brush, grass, dumpster fires or miscellaneous incidents. There were 26 mutual aid calls, where D Company personnel participated with civilian communities in combating civilian fire incidents. Firefighter school, the only US Army Firefighter school, trained 84 personnel in CY 72.

#### E COMPANY

##### MISSION

The mission of Company E is to man and to provide administrative support to the Base Airfield Support Division, Airfield Operations.

ORGANIZATION

Company E was organized and assigned to Headquarters Command on 15 September 1972, pursuant to General Order Number 388, Headquarters, Third US Army, dated 1 August 1972.

PERSONNEL

Commander of Company E since its organization was:

MAJ Robert T. G. Hackett - 15 September 1972 - present

COMPANY F

MISSION

The mission of Company F is to man and to provide administrative support to the Ground Radar Airfield Support Division, Airfield Operations.

ORGANIZATION

Company F was organized and assigned to Headquarters Command on 15 September 1972, pursuant to General Order Number 388, Headquarters, Third US Army, dated 1 August 1972.

PERSONNEL

Commander of Company F since its organization was:

MAJ James H. Jinks, Jr. - 15 September 1972 - present

Personnel status as of 15 December 1972 is as follows:

<u>AUTHORIZED</u>				<u>ACTUAL</u>				<u>ATTACHED</u>			
<u>EM</u>	<u>OFF</u>	<u>WO</u>	<u>CIV</u>	<u>EM</u>	<u>OFF</u>	<u>WO</u>	<u>CIV</u>	<u>EM</u>	<u>OFF</u>	<u>WO</u>	<u>CIV</u>
242	2	0	0	195	2	0	0	22	0	0	0

ACCOMPLISHMENTS

Company F received the Best Unit Mailroom for the month of October 1972.

WAC COMPANY

ORGANIZATION

In November, 1961, the first members of the Women's Army Corps were assigned to Fort Rucker. On 1 August 1970, the WAC Detachment was redesignated Headquarters Company (WAC). On 22 February 1971 the organization was redesignated Women's Army Corps Company.

PERSONNEL

Commander for CY 72 was:

1LT Fayrene J. Williams

Personnel strength on 31 December 1972 was 190.



To furnish EOD support to Maxwell AFB and Gunter AFB as required.

ACCOMPLISHMENTS

Detachment personnel responded to 69 explosive ordnance incidents, driving 4,818 miles and utilizing 892 manhours.

Personnel assisted the US Secret Service on numerous VIP missions and were used in all capacities during both the Democratic and Republican National Conventions at Miami, FL.

141ST MILITARY POLICE COMPANY

MISSION

The mission of the 141st Military Police Company is to provide Military Police services to Fort Rucker, Alabama. This unit provides assistance to the installation commander in maintenance of order and military discipline among military personnel within the military reservation and in civil communities adjacent to the reservation. In addition, the 141st provides the following police services:

- (a) Prevention and suppression of crime
- (b) Enforcement of military law and regulations
- (c) Protection and security for military and civilian population of Fort Rucker, Alabama and operational airfields.

ORGANIZATION

On 4 December 1972 DA approved the reorganization of the 141st Military Police Company (WCT2 AA), MTOE 19-500GCA17, effective 24 October 1972, with the following authorized strength:

<u>OFF</u>	<u>EM</u>	<u>TOTAL</u>
5	78	83

PERSONNEL

Commanding Officers for CY 72:

CPT Michael A. Campbell - through 15 August 1972  
CPT Ronald E. Du Bay - 15 August 1972

Executive Officer for the year was:

1LT Michael W. Sheheane - through 2 October 1972  
1LT Charles D. Duke - 2 October 1972

First Sergeants for the year were:

1SG Emmit D. Simmons - through 15 October 1972  
1SG Ki Ok Yu - 15 October 1972

Personnel are assigned duty under the operational control of the Provost Marshal in the following sub-sections:

- (a) Motorized Patrol Section

- (b) Provost Marshal Investigators
- (c) Traffic Section
- (d) Military Police Station Personnel
- (e) Physical Security Section
- (f) Post Vehicle Registration
- (g) Game Warden Section



# UNITED STATES ARMY AVIATION SCHOOL BRIGADE

## HEADQUARTERS

### MISSION

To exercise command and control over all assigned battalions, to provide administrative and logistical support to all assigned units. Provide logistical support to all departments of the United States Army Aviation School. Direct unit training, intelligence activities, and security within the Brigade. Provide POR training for all overseas replacements departing Fort Rucker.

### ORGANIZATION

The United States Army Aviation School Brigade consists of the following units:

Headquarters Company\*  
First Battalion  
Third Battalion\*\*  
Fourth Battalion  
Sixth Battalion

\*Strength zeroed out 1 Jun

\*\*Strength zeroed out 31 May

### PERSONNEL

Commanding Officers were:

COL Paul C. Smithey - 30 Dec 70 - 18 Dec 72  
COL William E. Dasch - 18 Dec 72 - Present

Command Sergeants Major were:

CSM Glenn E. Owens - 22 Apr 70 - 18 Dec 72  
CSM Robert T. Weidensaul - 18 Dec 72 - Present

### ACCOMPLISHMENTS

On 29 and 30 Apr the Brigade sponsored the annual Fort Rucker 49'er Party.

On 13 Oct the Brigade was presented the Fire Prevention Award for having the best general fire prevention display on Fort Rucker during Fire Prevention Week.

On 4 Nov the Brigade held its second Organization Day picnic for all personnel and families in the Brigade.

On 15 Dec the Brigade was presented two awards for the Fort Rucker Christmas Decoration Display for the best Religious and Lighting Themes.

The Brigade sponsored the post blood drive during the months of Nov and Dec which raised a total of 254 pints of blood.

## HEADQUARTERS COMPANY\*

### ORGANIZATION

Headquarters Company comes under direct control of the Brigade and houses permanent party enlisted personnel who work directly for the Brigade. In addition, permanent party officers who work for various departments throughout Fort Rucker are carried on its morning report.

### PERSONNEL

Commanding Officers for the CY 72 were:

CPT Leslie C. Mingus - 1 Jul 71 - 1 Jun 72

First Sergeant for the CY 72 was:

1SG Robert L. Bridges - 1 Jul 71 - 1 Jun 72

\*On 1 Jun the strength was zeroed out and its personnel and functions were transferred to 15th Company, 1st Battalion.

## 1ST BATTALION

### MISSION

To provide command and control, logistics, administration, and military justice for all assigned and attached personnel.

### ORGANIZATION

To provide housing to all staff and faculty permanent party personnel assigned to the Aviation School. The battalion houses the following units:

- 11th Company
- 13th Company
- 14th Company
- 15th Company

### PERSONNEL

Commanding Officers for the CY 72 were:

LTC James W. Jay - 8 Jan 71 - 21 Jul 72

LTC Reginald H. Corliss - 21 Jul 72 -

Command Sergeant Major for the year was CSM Charles E. Frye - 1 Mar 71 -

### ACCOMPLISHMENTS

On 1 Mar all companies were consolidated into building 4502.

On 26 Apr all companies were moved from building 4502 to building 5801. This move provided for greater troop privacy and increased individual living space. On this same date all unit supply sections were consolidated into one Battalion Supply Room.

The battalion won the Brigade Soldier of the Month Award every month except Jan, Feb, Mar, and Apr. The Battalion Soldier of the Month for May and Oct also won the Post Soldier of the Month Award.

During the First Quarter the Battalion Headquarters bowling team took first place in the Brigade bowling league.

During the Second Quarter the Battalion All-Star Team captured first place in the Brigade Softball Tournament.

#### 11TH COMPANY

##### ORGANIZATION

The unit has the responsibility for housing all enlisted permanent party personnel who work for the Department of Standards and Instructor Training, the Department of Advanced Flight Training, the Department of Aeromedical Education and Training, the Department of Instruction, and the Adjutant General.

##### PERSONNEL

Commanding Officers for the CY 72 were:

CPT Frank J. Beeson - 7 May 71 - 3 Apr 72  
CPT Gary L. Martin - 3 Apr 72 -

First Sergeants for the year were:

ISG Gary R. Hartman - 12 Feb 71 - 25 Jan 72  
ISG William McConnel - 25 Jan 72 - 3 Apr 72  
ISG Huey L. McPherson - 3 Apr 72 - Present

##### ACCOMPLISHMENTS

The company received the Battalion and Brigade Reenlistment Award for the First Quarter of 72.

#### 13TH COMPANY

##### ORGANIZATION

The unit has the responsibility for housing all enlisted permanent party personnel who work for the Office, Doctrine, Development, Literature and Plans; the Department of Non-Resident Instruction; the Department of General Subjects; and the Department of Graduate Flight Training.

##### PERSONNEL

Commanding Officers for the CY 72 were:

CPT Donald T. Ostlund - 3 Mar 71 - 14 Mar 72  
CPT Kenneth A. Harris - 14 Mar 72 -

First Sergeants for the year were:

ISG Bobby W. Smith - 10 Oct 71 - 13 Mar 72  
ISG Leroy D. Thurman - 13 Mar 72 -

##### ACCOMPLISHMENTS

SP4 William J. Clinkenbeard was selected as Battalion and Brigade Soldier of the Month for Feb and Jun.

SP5 J. B. Smith was selected as Battalion and Brigade Soldier of the Month for Mar.

SP4 Nancy J. Guay was selected as Battalion Soldier of the Month for Apr.

SP5 Charles H. Williams was selected as Battalion and Brigade Soldier of the Month for Aug.

SP4 William A. Hager was selected as Battalion and Brigade Soldier of the Month for Sep.

SP4 Neil B. Bobson was selected as Battalion and Brigade Soldier of the Month for Oct.

SP4 Gary P. Yordy was selected as Battalion and Brigade Soldier of the Month for Nov.

The following personnel were selected as Distinguished Graduates of the Fort Rucker Basic Leadership Course for the First and Second Quarters of 72.

1st Quarter

SP5 Lonnie M. Maddox  
SP5 Bruce L. Watson  
SP5 Douglas Rains  
SP5 Barbara L. Hamilton

2d Quarter

SP5 Robert C. Gray  
SP5 John M. Larson  
SP5 Dennis G. Nash  
SP5 Ronald M. Roberts

The company softball team finished in first place in the 1st Battalion League and in the Western Division of the Post Intramural Leagues.

14TH COMPANY

ORGANIZATION

The unit has the responsibility for housing all enlisted permanent party personnel who work for the Department of Maintenance Training.

PERSONNEL

Commanding Officers for the CY 72 were:

CPT David M. Slack - 14 May 71 - 1 Mar 72  
CPT Joseph R. Ponds - 1 Mar 72 -

First Sergeants for the year were:

1SG Jesse O. Fox - 13 Apr 71 - 8 Mar 72  
1SG Alonzo C. Miller - 8 Mar 72 -

ACCOMPLISHMENTS

SSG Edward A. Carr, an Academic Instructor with Department of Maintenance Training, was selected as first runner-up in the United States Army Aviation School Brigade's Soldier of the Year contest.

The company placed third in the Post Intramural Bowling League Tournament during the First Quarter.

SP4 Georgia A. Harvey was selected as the Battalion, Brigade, and Post Soldier of the Month for the month of May.

SP4 Einar Ekstedt was selected as the Battalion and Brigade Soldier of the Month for the month of Dec.

## 15TH COMPANY

### ORGANIZATION

The unit has the responsibility for housing all enlisted permanent party personnel who work for Protocol, Registrar, Assistant Commandant, Battalion Headquarters, Consolidated Mess #3, and Brigade Overhead. In addition, all permanent party officers who work for various departments throughout Fort Rucker are carried on its morning report.

### PERSONNEL

Commanding Officers for the CY 72 were:

CPT Brian L. Olson - 1 Dec 71 - 4 Dec 72  
CPT Wayne F. Reposa - 4 Dec 72 -

First Sergeant for the year was ISG Delmer J. Bobbitt - 1 Oct 71 -

### ACCOMPLISHMENTS

On 11 May the company assumed control of Consolidated Mail Room #5.

On 1 Jun the company assumed control of Consolidated Mess Hall #3.

On 1 Jun 15th Company gained 1292 permanent party officers from the deactivated Headquarters Company and was redesignated 15th Company (Officers).

Consolidated Mail Room #5 received the Outstanding Mail Room Award for the month of Dec.

## 3RD BATTALION

### MISSION

To provide command and control, logistics, administration, and military justice for all assigned and attached personnel.

### ORGANIZATION

The 3rd Battalion presently consists of the following companies:

31st Company  
32d Company  
33d Company

The battalion headquarters was reduced to zero strength on 31 May.

### PERSONNEL

Commanding Officer for CY 72 was LTC Stephen W. Stith, Jr. - 18 Dec 70 - 31 May 72.

Command Sergeant Major for the year was CSM Owen D. Wilkens - 10 Feb 69 - 31 May 72.

## 31ST COMPANY

### ORGANIZATION

A student company housing students attending Phases I and II of 67A10 (Apprentice Aircraft Mechanics) Course.

The company was reduced to zero strength on 31 May.

PERSONNEL

Commanding Officer for CY 72 was CPT Clarence Gibson, Jr. - 3 Dec 71 - 31 May 72.

First Sergeants for the year were:

1SG Leroy D. Thurman - 18 Jan 71 - 14 Mar 72  
SFC Edward M. Shevlin - 14 May 72 - 31 May 72

32D COMPANY

ORGANIZATION

A student company housing as many as 480 students at periods of extreme output requirements for Phases I and II of the 67A10 (Aircraft Maintenance Apprentice) Course.

The company was reduced to zero strength on 10 Mar.

PERSONNEL

Commanding Officer for CY 72 was CPT William W. Bean - 12 Feb 71 - 10 Mar 72.

First Sergeant for the CY 72 was 1SG Clyde L. Pine - 4 Oct 71 - 10 Mar 72.

33D COMPANY

ORGANIZATION

A student company housing student personnel for inprocessing and those who are attending Phases I and II of the 67A10 (Aircraft Maintenance Apprentice) Course.

The company was reduced to zero strength on 10 Mar.

PERSONNEL

Commanding Officer for CY 72 was CPT Dennis R. Hall - 22 Jan 71 - 10 Mar 72.

First Sergeant for the CY 72 was 1SG Alonzo C. Miller - 26 Nov 70 - 10 Mar 72.

4TH BATTALION

MISSION

To provide command and control, logistics, administration and military justice for all assigned and attached personnel.

ORGANIZATION

The 4th Battalion supports all enlisted students attending advanced training in aircraft maintenance at Fort Rucker. Graduates from the 4th Battalion have MOS's in areas of 67N20, 67B20, 67M20, 67V2T, 93H20, 93J20, 93K20, 71P20, and 93D20. The 4th Battalion also has the responsibility of conducting the Basic and Advanced NCOES Course. Both the maintenance and NCOES students are housed in the following units:

41st Company  
42d Company

43d Company  
44th Company

PERSONNEL

Commanding Officers for the CY 72 were:

LTC James T. McQueen - 18 Dec 70 - 30 Jun 72  
LTC William B. Harper - 30 Jun 72 -

Command Sergeants Major for the year were:

CSM Alexander S. Anderson - Aug 69 - 5 Mar 72  
CSM William L. Nolin, Sr. - 6 Mar 72 -

ACCOMPLISHMENTS

Consolidated Mailroom #3 received the Post's Best Mailroom Award for the months of Jan and Nov. The mailroom is operated by 41st Company.

During the month of Jan the battalion began an inbriefing for all newly assigned students and their wives. It has proven to be very beneficial.

During the period 6-10 Mar the battalion passed its annual IG Inspection with satisfactory ratings.

In May the battalion began its second annual softball tournament and will compete in the Brigade playoffs.

The battalion reenlistment NCO, SSG Bascom, won the USAAVNS Brigade Career Counselor Award for the Fourth Quarter.

On 15 Dec the battalion was presented with the first place trophy for the best Battalion Christmas Decoration Display at Fort Rucker. This marks the second consecutive year that the battalion has won this award.

41ST COMPANY

The unit has the responsibility of housing all advanced maintenance students attending courses for Flight Simulator Specialists (93D20), Flight Operations Coordinators (71P20), Aircraft Mechanics for the following aircraft: OH6/OH58 (67V2T), OH13/OH23 (67M20), and the 01/U6 (67B20).

PERSONNEL

Commanding Officers for the CY 72 were:

CPT Raymond J. Theriault - 5 May 71 - 5 May 72  
CPT Larry J. Willette - 5 May 72 -

First Sergeant for the year was 1SG Raymond E. Fields - 18 Feb 71 -

ACCOMPLISHMENTS

The Battalion Honor Company Award was presented to the company for the months of Feb, Oct, Nov, and Dec.

PFC Douglas W. Ramsey was selected as the 4th Battalion Soldier of the month for the month of Feb.

SSG Mitchell H. Strunk was selected as the 4th Battalion TAC NCO for the month of Jan.

SP4 Charles M. Batten was selected as the 4th Battalion and Brigade Soldier of the Month for the month of Apr.

The company received the Battalion Reenlistment Award, 2d and 3d Quarters, for having the highest reenlistment rate.

#### 42D COMPANY

##### ORGANIZATION

The unit has the responsibility for the control of students attending all phases of Air Traffic Control training such as ATC tower operators (93H20), radar controllers (93J20), and flight operation coordinators (93K20).

##### PERSONNEL

Commanding Officers for the CY 72 were:

CPT A. B. Chapman - 12 Oct 71 - 18 Oct 72  
CPT Donald M. Ricks - 18 Oct 72 -

First Sergeant for the year was 1SG William R. Dunn - 1 Oct 71

##### ACCOMPLISHMENTS

The company received the Brigade Outstanding Dayroom Award every month of the 1st, 2d, and 3d Quarters.

PFC John K. Spear was selected as the 4th Battalion Soldier of the Month for the month of Jan.

SGT Michael E. Scott was selected as the 4th Battalion TAC NCO for the month of Feb.

The Battalion Honor Company Award was presented to the company for the month of Jul.

The company received the Battalion Reenlistment Award, 4th Quarter, for having the highest reenlistment rate.

#### 43D COMPANY

##### ORGANIZATION

The unit has the responsibility of housing all students attending the UH-1 (67N20) and NCOES Course.

##### PERSONNEL

Commanding Officers for the CY 72 were:

CPT Howell W. Henson, Jr. - 1 Apr 71 - 30 Mar 72  
CPT Douglas L. Allen, Jr. - 31 Mar 72 -

First Sergeants for the year were:

1SG Bobby G. Jerry - 29 Nov 71 - 12 Mar 72  
1SG Clyde L. Pine - 13 Mar 72 -

### ACCOMPLISHMENTS

The Battalion Honor Company Award was presented to the company for the months of Jan, Mar, Apr, May, and Jun.

The company received the Battalion Reenlistment Award, 1st Quarter, for having the highest reenlistment rate.

On 14 Sep the company graduated its first class of Basic NCOES students.

SSG Faustino Gomez was selected as the Brigade Soldier of the Year for the second consecutive year.

### 44TH COMPANY

#### ORGANIZATION

The company has the responsibility for giving a 40-hour course of instruction in basic leadership for junior NCO's, E-4 and E-5.

The company was reduced to zero strength on 14 Jul.

#### PERSONNEL

-----  
Commanding Officer for the CY 72 was CPT Victor J. Samuel, Jr. - 29 Nov 71 - 14 Jul 72.

First Sergeant for the year was 1SG Russell Y. Killian - 21 Dec 71 - 24 Jul 72.

### 6TH BATTALION

#### MISSION

To provide command and control, logistics, administration, and military justice for all assigned and attached personnel.

#### ORGANIZATION

It has the responsibility for the guidance of all warrant officer candidates, commissioned officers from all branches of service, allied students who are attending flight school, and warrant officers who are attending the intermediate and advanced career courses. It has the responsibility for the following units:

- 61st Company
- 62d Company\*
- 63d Company
- 65th Company

\*Reduced to zero strength 30 Jun

#### PERSONNEL

Commanding Officers for CY 72 were:

LTC James T. Bridges - 9 Jan 71 - 7 Jul 72  
LTC Clarence H. Woliver, Jr. - 7 Jul 72 -

CSM for the year was CSM Herbert L. Gunn - 10 Dec 69

### ACCOMPLISHMENTS

During the Second Quarter 63d Company was redesignated from a Warrant Officer Candidate Company to an Officer Student Company. The 62d Company was reduced to zero strength and transferred all students to 61st Company. The 65th Company transferred all transition students to 63d Company.

### 61ST COMPANY

#### ORGANIZATION

The company has the responsibility of all warrant officer candidates attending flight school and all permanent party personnel assigned.

#### PERSONNEL

Commanding Officers for CY 72 were:

MAJ Frank S. Reece - 4 Jun 71 - 22 Mar 72  
MAJ William A. Beasley - 23 Mar 72 -

First Sergeants for the year were:

1SG Herbert A. Gordon - 4 Jun 71 - 22 Mar 72  
1SG Robert F. Harrell - 23 Mar 72 -

### ACCOMPLISHMENTS

On 18 Feb the Consolidated Mess Hall was selected as runner-up for the Fourth Annual Philip A. Connely Award for excellence in Army Food Service and was awarded the Fort Rucker first place plaque on 3 Mar by Major General Allen M. Burdett, Jr.

On 30 Jun the company became the sole WOC Company upon reorganization of the battalion.

### 62D COMPANY\*

#### ORGANIZATION

The unit has the responsibility of warrant officer candidates attending flight school and all permanent party personnel assigned.

#### PERSONNEL

Commanding Officer for CY 72 was MAJ Jerry W. Manley - 23 Apr 71 - 30 Jun 72.

First Sergeant for the year was 1SG Troyce A. Perkins - 23 Oct 70 - 17 Jun 72.

\*The company was reduced to zero strength 30 Jun 72.

### 63D COMPANY

#### ORGANIZATION

The unit has the responsibility of all officers attending transition flight training and all permanent party assigned.

PERSONNEL

Commanding Officers for CY 72 were:

MAJ Don L. Davenport - 24 Jun 71 - 17 Jul 72  
MAJ Robert Ulzheimer - 17 Jul 72 -

First Sergeants for the year were:

ISG Richard G. Crowell - 1 Mar 71 - 25 Jan 72  
ISG Conrad Moses - 25 Jan 72 - 15 Sep 72  
ISG James K. Brock - 15 Sep 72 -

ACCOMPLISHMENTS

On 1 May the company was redesignated as an officer student company and has the responsibility for all transition students. Prior to this date it was a warrant officer candidate company.

CMR #2 received the Post Best Mail Room Award for the month of Nov.

65TH COMPANY

ORGANIZATION

The unit has the responsibility of all commissioned officers from all branches of the service, and allied students who are attending flight school at Fort Rucker. It also handles warrant officers who are attending the intermediate and advanced career courses.

PERSONNEL

Commanding Officers for the year were:

MAJ Eugene A. Pawlik, Sr. - 26 Feb 71 - 25 Feb 72  
MAJ John A. Duff - 25 Feb 72 -

First Sergeants for the year were:

ISG Conrad Moses - 17 May 71 - 25 Jan 72  
ISG Gary R. Hartman - 25 Jan 72 - 10 Jun 72  
ISG Billy B. Shellhouse - 10 Jun 72 -

ACCOMPLISHMENTS

On 1 May all transition students were reassigned to 63d Company following the battalion reorganization. The company now has only initial entry students and warrant officer candidates attending the intermediate and advanced courses.

The paneling and carpet project for the Dayroom, Reading, and TV Room was completed.

The unit won first place in Post Intramural Competition in flag football.

The unit won second place in lighting and religious competition in the unit level competition for best Christmas decoration.

# 145TH AVIATION BATTALION

## MISSION

To provide general support to the United States Army Aviation Center and the United States Army Aviation School as required. To support contingency plans as directed by the Commander, United States Army Aviation Center.

## ORGANIZATION

The 145th consisted of the following units:

- a. Headquarters and Headquarters Company
- b. Company E, 30th Infantry
- c. 416th Transportation Company
- d. 108th Quartermaster Company
- e. 72d Aviation Company (ATC)
- f. 5th Infantry Detachment (PFDR/ABN)
- g. 260th Field Artillery Detachment

## PERSONNEL

### Commanders

LTC Neal C. Petree - 2 April 1972 - 2 June 1972  
LTC Earnest W. Rhyan, Jr. - 2 June 1972 - 19 December 1972

### Command Sergeant Majors

CSM William L. Higginbotham - 1 Jan 1972 - 23 Jun 1972  
CSM Robert E. Weidensaul - 23 Jun 72 - 19 Dec 72

## ACCOMPLISHMENTS

The 145th was returned to Fort Rucker from the Republic of Viet Nam in April of 1972. The 145th had been the first Aviation Battalion in Viet Nam.

The 145th fulfilled a daily average of 20 Student Training Requirements using an average of 180 men in support of the Aviation School.

The 145th was the recipient of the Commanding General's Reenlistment Award for Fiscal Year 1972 and the Reenlistment NCO from the 108th Quartermaster Company was selected as Career Counselor of the year.

The 145th also provided a NCAICP force for the Alabama, Florida area and performed outstandingly in several Third Army alerts.

The 145th also sponsored this year's "Operation Santa Claus" which was responsible for repairing and distributing over 14,000 toys to needy children in the Fort Rucker area.

On December 19, 1972, the 145th conducted a Battalion Review and the troops were reviewed by Major General Burdett. The unit's colors were cased at that time. HHC, 145th was retained at Fort Rucker at zero strength.

Current units and assets of the 145th have been assigned to the 46th Engineer Battalion (Construction).

## 46TH ENGINEER BATTALION

### MISSION

To provide Engineer Troop Construction Support to the United States Army Aviation Center/School by performing facilities engineering support at ranges, TAC sites, GCA sites and stagefields, and other construction projects as directed by the Directorate, Facilities Engineering.

To provide command, control, staff planning, administrative and logistical support for six additional support units of the United States Army Aviation Center/School.

REFORGER (Redeployment of Forces from Germany) under a 1967 Trilateral agreement between the United States, United Kingdom and the Federal Republic of Germany, US Army and Air Force personnel were redeployed to alternate bases in the United States but remain committed to NATO.

### ORGANIZATION

The 46th Engineer Battalion (Construction) consists of the following units:

- a. Headquarters and Headquarters Company
- b. Company A
- c. Company B

#### Detached Units

- d. Company C (Fort Knox, Kentucky)
- e. Company D (Fort McClellan, Alabama)

#### Attached Units

- f. 5th Infantry Detachment (PFDR/ABN)
- g. 416th Transportation Company
- h. 108th Quartermaster Company (Pet Sup) (Fwd)
- i. 72d Aviation Company (ATC)
- j. Company E, 30th Infantry
- k. 260th Field Artillery Detachment (105mm)

### PERSONNEL

Commanders for CY 72 were:

LTC Fredrick W. Mueller, Jr. - 1 January 1972 - 3 March 1972

LTC Clemon G. Courtney - 4 March 1972 - Present

Command Sergeant Majors for CY 72 were:

CSM Carl B. Brown            1 January 1972 - 30 November 1972  
MSG Johnes Sawyer         30 November 1972 - 30 December 1972  
CSM Eugene E. Bordner - 30 December - Present

AVERAGE STRENGTH

	<u>1 Jan 72 - 31 Jul 72</u>			<u>1 Aug 72 - 31 Dec 72</u>		
	<u>OFF</u>	<u>WO</u>	<u>EM</u>	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	23	6	555	19	5	421
Assigned	43	34	468	42	50	589

ACCOMPLISHMENTS

During 1972, the 46th Engineer Battalion moved Company C to Fort Knox, Kentucky in compliance with G.O. 369 which detached Company C from Fort Rucker. In December, Headquarters & Headquarters Command, and Company A moved from the old Tank Hill Area of Fort Rucker into the permanent buildings previously occupied by the 145th Aviation Battalion, and Company B, although still in temporary buildings, are in a more centralized location and much improved living and working conditions. During 1972, the 46th Engineer Battalion completed numerous construction projects, both in support of USAAVNC/S and, as a part of the Civic Action Program, in the surrounding communities.

Two platoons from the battalion participated in Adventure Training at Camp Tuckabatchee, Alabama, and Fort Rucker Recreation Area, Eglin A.F.B., Florida. The following is a list of the major projects completed by the 46th during 1972.

ADVENTURE TRAINING

- a. Repaired facilities at Fort Rucker Recreation Area, Eglin Air Force Base, near Fort Walton Beach, Florida. This project included removing and replacing a section of sidewalk and a dock, repair and backfill a retaining wall and repairing the roofs of three buildings.
- b. Constructed a 20' x 20' building to include electrical outlets and plumbing for showers and latrines at Camp Tuckabatchee Boy Scout Camp near Prattville, Alabama.

CIVIC ACTION

- a. Provided personnel for Search and Rescue Teams and lighting sets for Enterprise, Alabama after the 13 January tornado.
- b. Demolished a metal building at Hartford, Alabama to extinguish a peanut fire.
- c. Constructed a 70 acre lake and constructed a 1200 foot long earth dam at Camp Alaflo Boy Scout Camp.

FORT RUCKER

- a. Painted exterior of building 114, Post Headquarters.
- b. Relocated an Air Traffic Control Tower from Hatch to High Bluff Stagefield, to include painting the tower and constructing a concrete pad for the tower.

- c. Constructed a Touch Football and Track Field for Fort Rucker, named Engineer Field. Project included drainage, curbing, topsoil, and sodding the entire field.
- d. Constructed seven (7) soldier pickup point sheds, 6'x10'x7', for various locations on post.
- e. Constructed the Post Pistol Range using standards established by the National Rifle Association, to include a covered firing line, target frames for two sets of targets, and a shooting table.
- f. Constructed a multipurpose court in the 7500 block. This project included pouring concrete slab, placing backboards for basketball, poles for volleyball, and painting lines using different colors for the different games.
- g. Constructed a Helicopter Monument at Matteson Range which included placing a concrete and brick foundation and mounting an attack helicopter.
- h. Repaired the Pavillion at EM Beach, Lake Tholocco, by replacing deteriorated woodwork, screening, reroofing, and painting the entire building.
- i. Constructed and anchored the Ski Jump at Lake Tholocco.
- j. Corrected drainage within the Ammunition Storage Area.
- k. Constructed ten concrete pads on Runway 13 Cairns AAF. Place tar-seal coating on 49 parking areas to prevent gas and oil damage, and painted and placed 262 pieces of pierced steel planking (PSP) for parking markers.
- l. Constructed the Congressman Andrews Monument with a concrete sidewalk and wood fence at the corner of Headquarters Road and Andrews Avenue.
- m. Constructed the Golf Course Water Hazard on the 14th hole of Fort Rucker's Golf Course. The project consisted of clearing, grading, and placing pipe, and construction of an asphalt cart trail.
- n. Erected the steel antenna tower at building 5206, consisting of pouring a concrete base, assembling, erecting and painting the 70' steel tower, placing conduit and electrical cable for aircraft warning lights, and connecting tower to radio.
- o. Constructed a 400 yard berm at Known Distance Range which consisted of earth moving, grading, and seeding to match existing berms.
- p. Constructed four concrete pads at High Bluff Stagefield which consisted of excavating and placing four 15'x20' landing pads, and installing ground rods.

#### 260TH FIELD ARTILLERY DETACHMENT

#### MISSION

To provide 105mm Howitzer fire support to the USAAVNC/S in all operations requiring an Organic Field Artillery Detachment.

PERSONNEL

Personnel status throughout the year was as follows:

	<u>OFF</u>	<u>EM</u>
Authorized	2	19
Assigned	2	17

Commanders for CY 72 were:

CPT Leroy D. Gould	- 7 March 1972
1LT George R. Troller	8 March 1972 - Present

ACCOMPLISHMENTS

The 105mm howitzer support that the 260th Field Artillery Detachment provides the Army Aviation School is the firing of illumination for the UH1IP, OH58IP, and OH6IP classes. In addition to the illumination missions that the detachment fires, salutes for visiting dignitaries and in observance of national holidays are fired.

The 260th Field Artillery Detachment participated in an Air Mobile Assault on 20 May 1972 in observance of Armed Forces Day. The Detachment also fired a 21-gun salute on 29 May 1972 in observance of Memorial Day and a 50-gun salute on 4 July 1972.

COMPANY E, 30TH INFANTRY

MISSION

To support the USAAVNS by providing aggressor personnel for Tactical Student Aviator Training and to support the USAAVNC by providing Honor Guard personnel for Honor Ceremonies, parades and over 100 funeral details during 1972.

PERSONNEL

Personnel status throughout the year was as follows:

	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	5	0	122
Assigned	4	0	116

Commanders for CY 72 were:

CPT John C. Taylor	- 20 July 1972
CPT Haskell L. Howard	21 July 1972 - Present

First Sergeants for CY 72 were:

1SG Richard E. Gifford  
1SG Harold E. Dray

ACCOMPLISHMENTS

Company E is the Honor Guard Company at Fort Rucker. Holding this title the company is continually called upon to perform honor ceremonies for all dignitaries coming to Fort Rucker and to participate in parades throughout the state.

Due to the pride that each soldier has for Company E and the United States Army, Company

E won the reenlistment award for the 3rd Quarter, 4th Quarter, and overall fiscal year of 1972. The Company has also started fiscal year 1973 by winning the 1st Quarter award.

416TH TRANSPORTATION COMPANY

MISSION

To support USAAVNS by providing bulk movement of petroleum products for refueling.

PERSONNEL

Personnel status throughout the year was as follows:

	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	4	1	172
Assigned	4	1	145

Commanders for CY 72 were:

CPT Kenneth P. Roland II - 29 October 1972  
CPT Jeffrey D. Arnold 30 October 1972 - Present

First Sergeant for CY 72 was:

1SG Joseph S. Wichowski

ACCOMPLISHMENTS

To maintain the readiness capabilities of a STRAF unit, the 416th Transportation Company has initiated a company drivers training program. The success of these classes is readily shown in the no accidents and no major breakdowns during two long range training convoys to Eglin Air Force Base, Florida and Fort Walton Beach, Florida and one training mission to Lake Eufaula, Alabama

108TH QUARTERMASTER COMPANY

MISSION

To provide rapid refueling support to USAAVNS in Alabama and Florida.

PERSONNEL

Personnel status throughout the year was as follows:

	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	5	1	231
Assigned	5	1	222

Commanders for CY 72 were:

CPT Charles R. Odom - 7 September 1972  
CPT John H. Henderson 8 September 1972 - Present

First Sergeants for CY 72 were:

1SG Charles R1 Haymons  
1SG Grover C. Barnhill

#### ACCOMPLISHMENTS

For the months of July and August 1972, the 108th QM Company mailclerk, SP4 Thomas F. Beck, won the Outstanding Unit Mailroom Award. Among other awards received by members of the company were Certificates of Appreciation from AUSA in August 1972, and Letters of Appreciation from Mayor Jimmy Day of Daleville, Alabama in October 1972, for providing assistance in the respective projects.

A most outstanding individual, SGT Jerry D. Maennche, received the Career Counselor of the Year Award for 1972, and the Career Counselor Award for first quarter of 1973.

Additional commitments ranged from rifle range transportation to providing vehicles and personnel for road police on Fort Rucker, Alabama.

#### 72ND AVIATION COMPANY (ATC)

#### MISSION

To provide enroute air traffic regulation and identification navigational aids, air warnings, other assistance to in-flight aircraft, and assistance to divisions in regulating air traffic in the forward areas.

Due to special requirements placed on the 72nd, the unit has assumed a second mission in support of USAAVNS/USAAVNC. This mission includes conducting air traffic control, (HUB Control), in direct support of the director of Airfield Operations and support of the School and Center with personnel and equipment as directed by the 46th Engineer Battalion (CONST).

#### PERSONNEL

Personnel strength for CY 72 were as follows:

	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	22	5	237
Assigned	12	6	184

Commanders for CY 72 were:

MAJ Melvin J. McLemore - 13 July 1973  
MAJ John L. Brown 14 July 1972 - Present

First Sergeants for CY 72 were:

1SG Elwood Sargent  
SFC Glenn Logsdon

#### ACCOMPLISHMENTS

The 72nd has received many commendations in support of various joint service exercises during 1972. The following exercises were supported with personnel and equipment for planning and coordination in airspace management:

<u>DATE</u>	<u>LOCATION</u>	<u>NAME</u>
Jan 72	REDCOM, Hunter/Stewart, GA	Brave Shield I
Mar 72	REDCOM, Ft Hood, TX	Gallant Hand 72
May 72	USCONARC, Ft Bragg/Camp Lejeune	Exotic Dancer V
Nov 72	Ft Bragg, NC	Caber Dragon IV
Dec 72	REDCOM, Hunter/Stewart, GA	Brave Shield III

The 72nd also sponsored The Fort Rucker Operation Santa Claus. The project officer and enlisted men collected, repaired and distributed over 15,000 toys to underprivileged children of the Fort Rucker area.

#### 5TH INFANTRY DETACHMENT (PFDR/ABN)

#### MISSION

To establish aircraft drops and landing zones and to provide terminal guidance to the USAAVNS in support of fixed and rotary wing tactical training.

#### PERSONNEL

Personnel status for the year were as follows:

	<u>1st Quarter</u>		<u>2nd Quarter</u>		<u>3rd Quarter</u>		<u>4th Quarter</u>	
	OFF	EM	OFF	EM	OFF	EM	OFF	EM
Authorized	4	77	4	77	4	77	4	77
Assigned	4	40	3	35	3	49	3	66

Commanders for CY 72 were:

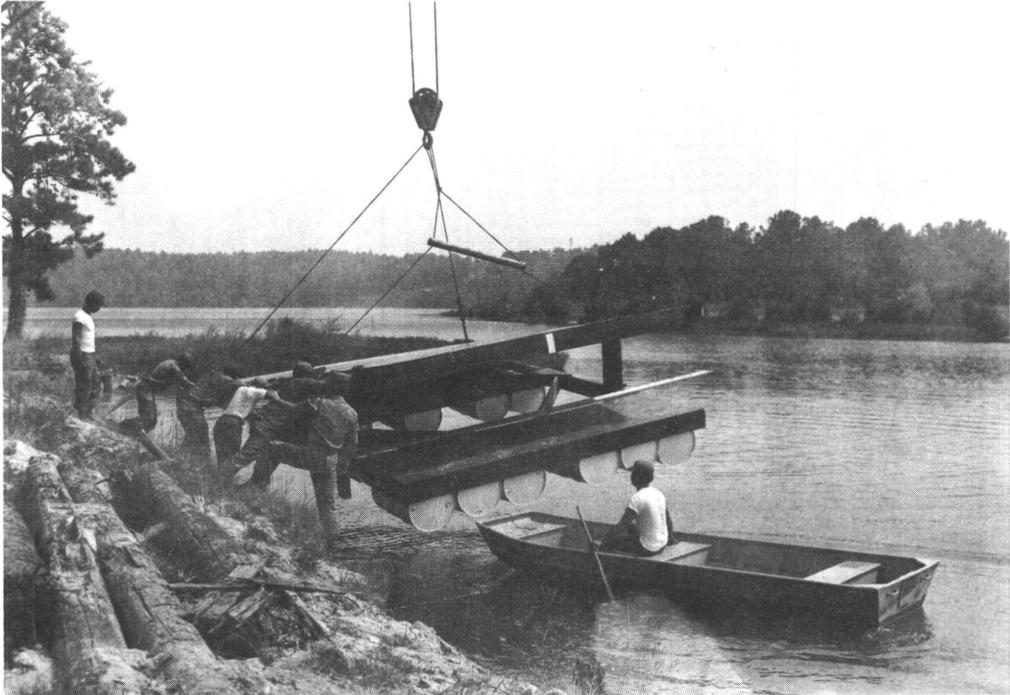
CPT David L. Foley - 1 June 1972  
 CPT Edward C. Risher 2 June 1972 - Present

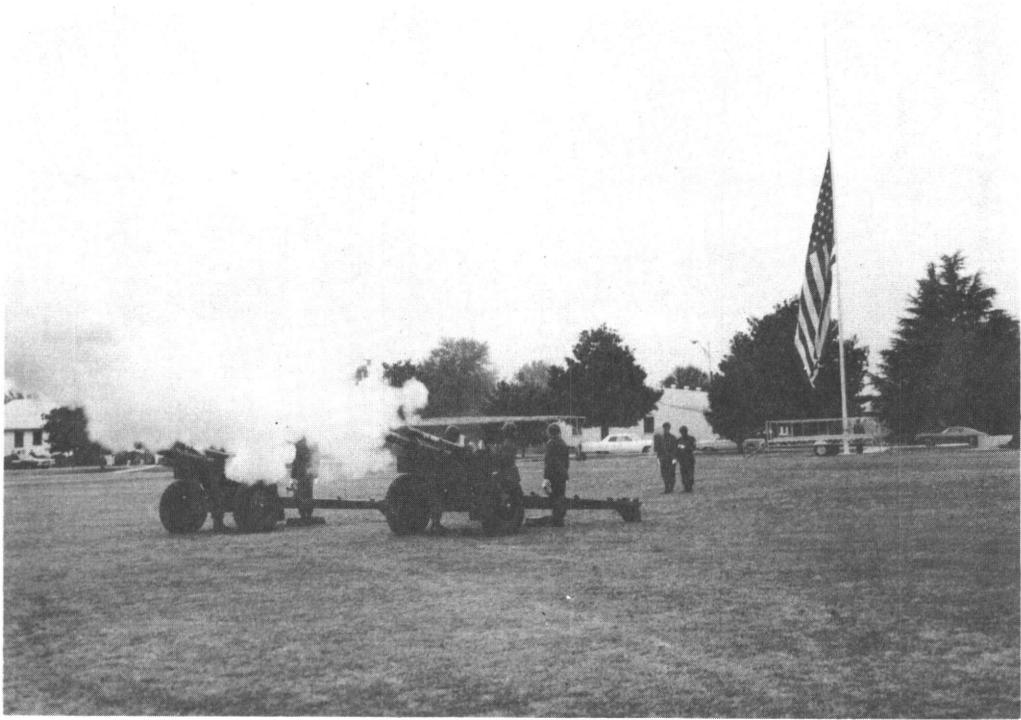
First Sergeant for CY 72 was:

1SG John R. Spade

#### ACCOMPLISHMENTS

The Pathfinder Detachment made 8 daylight jumps, 1 night jump, and provided rappelling demonstrations for the surrounding community during 1972.





# CHAPTER 4



AVIATION TEST BOARD



AGENCY FOR AVIATION SAFETY



CDC AVIATION AGENCY



AEROMEDICAL RESEARCH LAB



HUMAN RESEARCH UNIT

## CLASS II ACTIVITIES

# UNITED STATES ARMY AVIATION TEST BOARD

## MISSION

TECOM Regulation 10-21 defines the Board's mission as:

Plan, conduct, and report on Service tests (STs) and Check tests (CKs) of aircraft, aircraft components, and subsystems and ancillary equipment.

Participate in Engineering tests (ETs), Initial Production tests (IPTs) and appropriate preproduction tests (PPTs) as directed.

Provide advice to proponent agencies and materiel developers during the development of aircraft, aircraft components, and subsystems and ancillary equipment. Data and information derived directly from test experience will provide the basis for such advice.

Conduct other tests and evaluations as directed by the Commander, US Army Test and Evaluation Command.

## PERSONNEL

Authorized personnel strengths decreased from 389 to 376 military and civilian personnel during the year. Key personnel assigned during the year were:

President	COL Daniel G. Gust, IN	Jan-30 Nov 72
	COL Robert S. Kellar, IN	30 Nov - Dec 72
Deputy President:	COL Louis A. Williams, IN	1-23 Jan 72
(Position of Deputy President abolished upon COL Williams retirement)		
Executive Officer:	LTC Donald H. Retzlaff, MSC	Jan-Aug 72
	LTC Thomas A. Rice, FA	Aug-Dec 72
Chief, Management Office:	Mr. Robert S. Kirk	
Chief, Plans Office:	LTC Thomas A. Rice	Jan-Jul 72
	MAJ Gilbert E. Roesler	Aug-17 Dec 72
	LTC Jack D. Hill	18-31 Dec 72
Chief, Materiel Test Division:	COL Edmund K. Ball	
Chief, Logistic and Test Support Division:	LTC John K. Clements	
	LTC Adolph H. Grimm	
Ass Chief, Logistics and Test Support Division:	Mr. Clark D. Stuart	
Commander, HHC:	CPT Curtiss J. Hissong	Jan-19 Nov 72
	CPT Michael J. French	20 Nov-Dec 72

CHANGE IN OFFICE TITLES:

Effective 1 December 1972, the following office title changes occurred:

Test Division to Materiel Test Division  
Methodology and Operations Division to Plans Office  
Force Development, Budget and Programs Branch to Resource Management Branch

PLANS OFFICE

OPERATIONS

During CY 72, the Test Board had 96 test projects in the planning, active testing or reporting phases. A total of 73 projects were completed and 84 new test projects were initiated. Tests, or portions thereof, were accomplished at test sites varying from Canada for the OH-58A heater and Alaska for the CH-47C cold weather service test, to Yuma Proving Ground, Arizona for the AH-56A and various aircraft weapons systems. Evaluations of IR suppression devices and low IR reflectance paint were conducted at China Lake, California; Fort Huachuca, Arizona, Eglin AFB, Florida and Redstone Arsenal, Alabama. A total of 15,409 flying hours were accumulated in the accomplishment of the assigned tests, of which 12,730 were flight test hours and 2,679 were support flight hours. The wide spectrum of equipment tested included:

- (1) Advanced electronics items such as flight director systems and ARC-98 Improved High Frequency Single Side Band Radio.
- (2) Improved Cobra Armament System (ICAS) and Fuel Air Explosive (FAE) Aircraft armament systems.
- (3) The T53-L-13 (UH-1 and AH-1G) and T55-L-11 (CH-47C) and T63-C-20 (OH-6A/OH-58) turbine engines.
- (4) Airframe components of all types.
- (5) Flight Clothing and survival gear.
- (6) Ground support equipment and tool sets.

INSTRUMENTATION AND METHODOLOGY

Primary instrumentation actions consisted of procurement of ten digital flight data acquisition systems for use in test aircraft and of a specially designed vibration/strain data acquisition system for use in the CH-47C Helicopter. These systems provide an improved data collection capability to support all types of tests.

A joint study with personnel of Yuma Proving Ground produced an equipment procurement plan to provide for compatible instrumented range capabilities at Yuma and Fort Rucker.

Methodology efforts resulted in completion of four studies during the year. Most important of these was an investigation of the development and use of flight test profiles to increase the validity of testing. The other studies concerned Engineering Service Testing of Aircraft Weapons Systems, Testing in Simulated Environments, and Vibration Measurements. Currently, 12 methodology tasks are in progress.

MATERIEL TEST DIVISION

ACCOMPLISHMENTS

The Materiel Test Division completed 73 test projects during the year 1972. These

projects varied from check test on the OV-1D Airplane to the feasibility of extending the time between overhaul (TBO) on major components on varied aircraft within the system. Some of the more important tests were:

- a. Product Improvement Test of the T-63 250-C20 Allison Turbo Shaft Engine.
- c. Check test of the OV-1D Airplane.
- c. Expanded Service Test of the Antilaser Goggles.
- d. Expanded Service Test of the XM247 Warhead.
- e. Preliminary Flight Test of the Mini-Tat Armament Subsystem.
- f. Military Potential Test of the Fuel Air Explosion System.
- g. Military Potential Test of the Flight Director System.
- h. Special Study of Emergency Locator Transmitter.
- i. Reliability Test of the Control Transponder Sec C-6280A(P)/APX.
- j. Military Potential Test of Helicopter Multifunction System (HELMS).
- k. Product Improvement Test of the Crashworthy Fuel System of the AH-1G Helicopter.
- l. Product Improvement Test of the Mast Assembly for the AH-1G Helicopter.
- m. Service Test of the Organizational Shop Set Maintenance Concept.
- n. Product Improvement Test, Phases VI and VII of the T53-L-13 Engine. Phases VI and VII were used to acquire data to establish operational time limitations on the engine. Data toward the feasibility of extending the TBO to 2400 hours and hot-end inspection to 1200 hours are being generated in Phase VIII of the T53-L-13 Engine Program.
- o. The Product Improvement Test of the CH-47C/T55-L-11A Engine passed its second milestone (1200 hours). Testing will continue on the T55-L-11A engine and CH-47C Helicopter. Eighteen "piggy-back" Product Improvement Tests are being conducted in conjunction with the above test. Among the more important of these tests were:
  - (1) Integral Spar Inspection System (ISIS) Rotor Blades.
  - (2) L-11 Engine Mounts.
  - (3) Transmission TBO Extension Program.
  - (4) Engine Usage Indicator System.
  - (5) Airframe/Engine Vibration and Stress Data Acquisition System.

#### LOGISTICS AND TEST SUPPORT DIVISION

##### FLIGHT OPERATIONS BRANCH

The Flight Operations Branch provided services for a total of 11,080 flights during the calendar year 1972. There were 3,844 aviator flight hours completed by personnel assigned/attached this branch. The instrument up-date program was completed and the worldwide standardization program was implemented.

#### MAINTENANCE BRANCH

The Maintenance Branch monitors all contract maintenance performed at the Board. Aircraft are maintained on a twenty-four hour, seven-day week, schedule so that maximum availability is provided during daylight hours.

In order to assure maximum availability of flyable test and test support aircraft which flew an aggregate total of 15,409 hours last calendar year, the contractor is capable of performing all echelons of maintenance to include limited depot on all assigned categories of aircraft. The Branch monitored an average of 51 Equipment Improvement Recommendations (EIR) per month for a yearly total in excess of 612 which clearly indicates strong participation last year in this valuable Department of the Army Program.

Problems encountered in the Lycoming T-55 L-11 engine installed on the CH-47C helicopter delayed test programs and enabled the contractor to reduce over-all costs approximately \$50,000.

#### OIL ANALYSIS SECTION

During the calendar year 1972, the Oil Analysis Section conducted spectrometric analysis of over 70,440 used oil samples. Approximately 700 of these samples were microscopically analyzed for particulate matter.

The test of flame resistant hydraulic fluid MLO-68-5 added approximately 167 samples which were tested for viscosity, flash point and infrared scan for contamination.

The major customers of the laboratory are USAAVNC/S and USAAVNTBD, with additional samples received by mail from as far north as St. Paul, Minnesota, and as far south as Homestead AFB, Florida.

#### LOGISTICS MANAGEMENT BRANCH

During 1972, conversion of property book records from manual to machine operations was completed. This consisted of a total of 751 line items valued at \$13,729,626.48. The system was fully operational with only minor problems caused by equipment and transmitting line failures in addition to a few adjustments in system programming.

The accountability of six commercial design vehicles was transferred from the Aviation Test Board to the Aviation Center in November 1972. Four tactical type vehicles which could not be immediately replaced with commercial design vehicles were also transferred to the Aviation Center. Nine tactical type vehicles were returned to the supply system for redistribution and a like number of commercial design vehicles made available to the Board by the Aviation Center as substitutes. Operational control of all vehicles utilized by the Board was retained. The transfer was accomplished under DA guidance in Army-wide vehicle resource consolidation policies.

Coordination, manpower, and material support were provided for test projects during the year. Support consisting of range and stagefield availability, coordination, scheduling and transportation, and handling of ammunition and equipment was provided on a continuous basis.

Conversion of the accountable property records from the National Cash Register machine system to the new TECOM Integrated Inventory Accounting Supply system was accomplished during the year. This was done with no down-time or inconvenience to our customers.

Conversion to BASOPS-PLUS, the Fort Rucker Finance and Accounting System, was successfully interfaced with the Integrated Accounting Supply system.

Over 1,000 man-hours of training were expended to accomplish the above two conversions.

A key-punching unit was established in the section to do all of the key punching for the Logistics and Test Support Division. This has increased efficiency.

#### PHOTOGRAPHY AND GRAPHICS BRANCH

The Photography and Graphics Branch provided the USAAVNTBD mission support requirements for photo and video instrumentation, photo documentation, color and black and white photo laboratory services, offset reproduction services, and Graphic Aids. Photo instrumentation was provided at various test sites for applicable USAAVNTBD test projects such as aircraft, aircraft components, and weapons tests to detect malfunctions, determine weapons accuracy and debris patterns, and record other pertinent data requiring numerous adaptations of camera equipment, design of special fixtures, control systems and lighting to meet specific individual requirements of tests.

Remote on board video camera and recording systems were employed to monitor and record aircraft component operations and malfunctions.

#### APALACHICOLA DETACHMENT

##### PERSONNEL

Authorized personnel strength remained at 3 military and 13 civilian spaces during the year. LTC James D. Hawthorne, CDR, departed early in the year for assignment to Korea and was replaced by CW4 Joe M. Probst. Enlisted strength has been 1 short for 6 months of the year. Assigned civilian personnel has been 1 short since 7 July 1972. On 27 November 1972 an agreement was made with Tyndall AFB to have crash rescue service and medical evacuation service provided by Detachment 5, 44th Air Sea Rescue Squadron which is expected to result in the elimination of 2 enlisted personnel (medical aid men) from the present TDA. Action will be taken to convert these spaces to firefighters for use as team leaders on crash rescue crews.

In support of US Army Aviation Test Board activities the Apalachicola Detachment transported, stored and dispensed 377,468 gallons of JP-4 Aircraft fuel during 1972 with 2,557 aircraft operational hours in the local area during which 14,604 landings and take-offs were performed. The USAF mobile radar van and TV Landing Systems Test which started 23 November 1971 was terminated on 7 February 1972. The annual Inspector General inspection was on 12 April 1972. The Mini-TAT firing test was conducted on 4 May to 8 May 72 utilizing the water range off St George light house. During 8 May to 11 May 1972 the US Army Aero Medical Research Laboratory conducted a downwash study using one of each type helicopter assigned. The Department of Agriculture requested assistance in moving vehicles and equipment from the mainland to Sand Island to be used in an insect control program. On 11 May, 5 pieces of equipment were transported by CH-47 aircraft and on 16 May, 2 more vehicles were moved to Sand Island. This experiment is continuing. An inspection by AVSCOM personnel was held on 19 October 1972.

#### COST REDUCTION PROGRAM

Major reductions of heavy equipment were implemented in FY 72 which will result in substantial cost savings. These reductions were: Turn in of one (1) five ton dump truck, one (1) 7.5 KW Generator, one (1) 6000 lb capacity Fork Lift, two (2) 18 foot assault boats, two (2) 18 HP out-board engines, one (1) boat trailer and one (1) 5000 gallon Semi-Trailer M-131A3. Tactical vehicles consisting of 3 M-52A2 five ton tractors, one (1) M-49 1200 gallon tanker truck and one (1) M-151A1 4x4 Jeep were replaced by commercial type vehicles which will result in lower maintenance and operating costs.

HEADQUARTERS AND HEADQUARTERS COMPANY

MISSION

To provide a unit headquarters which directs military training for assigned and attached military personnel; discipline, internal administration of assigned and attached enlisted men.

ACCOMPLISHMENTS

Headquarters Company Mess Hall has held the Fort Rucker Best Mess Award consecutively since August 1971.

# UNITED STATES ARMY COMBAT DEVELOPMENTS COMMAND AVIATION AGENCY

## MISSION

Provide support to the USACDC aircraft systems proponent or other designated element for purposes of developing those portions of Materiel Needs which relate to airframes, integration of subsystem, avionics, ground support equipment and life support equipment peculiar to specified aerial systems. The term "airframes" as used here is intended to include all platform peculiar subsystems such as propulsion means, drive trains and control devices.

Develop Materiel Needs and monitor resultant development/life cycle management of the following common use Aviation support systems: air traffic management, aircrewman peculiar equipment, EW protection and avionics.

Respond to test and evaluation needs pertaining to materiel.

## ORGANIZATION

USACDCAVNA is organized into 3 major divisions. They are:

- Management and Administration Division
- Conceptual Design/Test and Evaluation Division
- Materiel Division

## PERSONNEL

Personnel authorization at the end of CY 72 was 52 (26 officers, 4 EM, 22 civilians).

## GENERAL

The mission of the USACDCAVNA was changed during CY 72. All doctrinal and organizational actions were transferred to other elements of USACDC. This resulted in a loss of 30 personnel spaces.

## ACCOMPLISHMENTS

Accomplishments during the past year include:

Preparation and/or revision of statements of materiel need or required operational capability documents for the following aircraft systems or aircraft associated equipment:

- Heavy Lift Helicopter
- Aircraft Anticollision Beacon System, High Intensity Light
- Aircraft Area Weapons Subsystem
- Armored Aerial Reconnaissance System
- Ground Handling System for Helicopters
- Aircraft Weapons Handling Vehicle
- Night Vision Systems for Army Aircraft
- Infrared Countermeasures for Army Aircraft
- Absolute Altimeter
- Helicopter Integrated Multifunction System

Self Protection of Army Aircraft Against Radar Directed Anti-Aircraft Weapons  
Radio Navigation/Stabilization Avionics Equipment for USAMEDD Aircraft  
Microwave Landing System  
Self Protection of Army Aircraft Against Visually/Optically/Electro-Optically  
Directed Weapons Systems  
Helicopter Escape System

Monitored developmental effort on the following:

MK-J5(D) OV-1 Ejection Seat  
Emergency Repair Shelter for CH-47  
Product Improvement Program on SPH-4 Helmet  
Clothing System for Aviation Crewmembers  
Shop and Tool Sets  
Arctic Survival Kit  
Medium/High Frequency SSB Radio  
Flight Director System  
Mobile Electric Power Sources for Aircraft  
Individual Survival Vests for Aircrewmembers

Commented on unsolicited proposals for the following:

Lightweight Radar Warning Device, AN/APR-39 (ALERT III)  
A System for Marking Land Areas  
A 5,000 Pound Capacity Variable Speed Hoist for CH-47  
An Angle of Attack Stall Warning System  
A Kwik-tite Ratchet Wrench Set  
Helicopter Crew Chief/Gunner Restraint System

Participated in the conduct of the forward area concealment portion of the Advanced Attack Helicopter Task Force evaluation of the AH-56A (Cheyenne).

Participated in the Advanced Attack Helicopter Task Force evaluation of the Blackhawk S-67 and King Cobra Helicopters.

Provided a member on the Source Selection Board for the Utility Tactical Transport Aircraft System (UTTAS).

Participated in the preparation of the requirements document for the Advanced Attack Helicopter.

Provided a member of the Source Selection Board for the Air Traffic Management System.

Reviewed and commented on Engineering Change Proposals for the following aircraft and engines:

CH-54, AH-1G, UH-1, CH-47, T55 Engine, OH-58, Y63 Engine, OV-1, T73 Engine, LOH, and AH-1

Assisted USACDC Armor Agency in preparation of a materiel need for an interim Aerial Scout.

Provided a member of the Source Selection Board for the Airborne LORAN C/D.

Sponsored a YO-3A flight demonstration.

Prepared a position paper on installation of the Counter Drum Pointer Altimeter in Army aircraft.

Sponsored a demonstration of an S-1 Pitot Static Test Set.

Participated in the independent evaluation of the test of the AH-56A in daylight defense.

Coordinated the establishment of a Center Team position on low level night operations.

Prepared Manpower Authorization Criteria for aircraft crewchiefs.

Prepared TOE 1-165H, Assault Support Helicopter Battalion, Airmobile Division.

Provided major input to the requirements document for a Tactical Moving Ground Target Detection System.

Assisted in the writing of a requirement for a new escape system for the OV-1D aircraft.

# US ARMY AGENCY FOR AVIATION SAFETY

## MISSION

The mission of the US Army Agency for Aviation Safety is: Within the scope of the Army Safety Program, determine ways and means to enhance the combat capabilities of the United States Army through the conservation of aviation resources.

## ORGANIZATION

USAAAVS is organized into five major directorates. They are:

- Directorate for Plans and Operations
- Directorate for Technical Research and Applications
- Directorate for Education and Prevention
- Directorate for Aircraft Accident Analysis and Investigation
- Directorate for Management Information Systems

The US Army Board for Aviation Accident Research (USABAAR) was redesignated by the US Army Agency for Aviation Safety (USAAAVS) on 1 January 1972 by DA General Order 54 dated 6 December 1971.

## PERSONNEL

Personnel authorized at the end of CY 72 was 210 (48 officers, 14 warrant officers, 38 enlisted men, 110 civilians) and personnel assigned was 201 (45 officers, 13 warrant officers, 37 enlisted men, 106 civilians). On 1 April 1972 Colonel F. M. McCullar assumed command upon the retirement of Colonel Eugene B. Conrad.

## GENERAL

The elevation of USAAAVS to agency status enhanced the overall effectiveness of the Army Aviation Safety Program. With the issuance of DA General Order 54, dated 6 December 1971, the charter for this organization changed from AR 15-76 to AR 10-29 and brought about a challenge for greater responsibility.

The Army Aircraft Accident Rate per 100,000 flying hours has shown a steady downward trend since Fiscal Year 1968. The FY 72 Worldwide Accident Rate reached an all time low of 11.95 aircraft accidents per 100,000 flying hours at a cost of \$48,108,236. This is a significant reduction over the previous fiscal year. Analysis of accident data since the end of FY 72 has shown a further decline in the accident rate, i.e., Nov 71 - Nov 72, 9.26 accidents per 100,000 flying hours.

## ACCOMPLISHMENTS

Accomplishments during the past year include:

A letter to USAAVSCOM in December 1971 recommended that a durable switch guard be installed on all UH-1 fuel shut-off switches. As a result of this letter, USAAVSCOM released a Safety of Flight Message on 17 January that a switch guard be installed on all UH-1 series aircraft.

Participated on an OH-58 tail boom failure coordination meeting in January to determine what steps, actions and requirements are deemed appropriate to solve the OH-58 tail boom failure problem.

Participated in the Joint Services Ad Hoc Committee for the purpose of resolving problems connected with the preparation of the Mishap Statistical Tables for the three Services.

Submitted proposed change to AR 95-1, requiring the wearing of safety equipment any time the engines are operating whether or not there is intent for flight.

Initiated action to extend the Assistance Visit Program to the Army National Guard.

Established a unique system of statistical displays (the Worldwide and Command Accident Experience Report) for the measurement of the progress of the Army Aviation Safety Program.

There was a marked improvement in the computer system's software and hardware configuration. Several changes to the operating system and production programs enabled us to make more effective use of the computer capabilities. Hardware changes included the exchange of a remote teleprocessing terminal for a high speed printer and the conversion of a magnetic tape unit from seven track to nine track.

Hosted a conference to discuss the application of system safety. It was concluded that a System Safety Group (SSG) comprised of representatives of AMC, USAAVSCOM and USAAAVS be established.

In collaboration with USAARL, USAAAVS is developing the engineering prototype for troop seats which will be applicable to the UTTAS.

Participated in the Eleventh Joint Services Aviation Safety Conference at Norfolk, Virginia.

Initial development of an aviator data file. This will permit more comprehensive research into the problem of human error as an accident cause factor.

Participated in a preliminary mock-up review of the T700-GE-700 (UTTAS) Engine.

Reviewed draft revision and forwarded recommendation on AR 385-16, subject: "Safety of Systems, Associated Subsystems and Equipment.

Provided valuable data input to the Advanced Attack Helicopter Task Force in their single vs twin engine study.

Reviewed the DA Form 2397 series and all related publications with the view toward improvement.

Recommendation that the "20-minute" worded segment in the caution panel on Army aircraft be modified to read "low fuel".

Completed a cost effectiveness study for incorporating crashworthy features into the UTTAS aircraft.

Initiated action through USAAVSCOM to correct the electrical deficiencies associated with the batteries on both OH-6 and OH-58 aircraft.

Conducted a series of liaison visits at all of major activities, i.e., CONARC, AVSCOM ARADMAC, and the CONUS Armies to enhance both our visibility and relations with the field activities.

Participated in the Fourth Low-Level Night Operations (LLNO) of Army Aircraft Steering Committee (AD Hoc).

Participated in the AVSCOM review of the helicopter engineering design handbooks, AMCP 705-201 and AMCP 706-202.

Completed preliminary staffing for the Twelfth Joint Services Aviation Safety Conference that will be hosted by USAAAVS on 23-27 April 1973.

Participated in the Night Operation Symposium at Monterey, California.

Participated in the AAH-RFP Working Group.

Accident information pertaining to AH-1 mishaps was furnished to the Naval Weapons Laboratory (NWL) for input into NWL Technical Report TR 25-87, which highlighted the need for an in-flight system for the AH-1 helicopter.

Recommended to USAAVSCOM that (ECP No. T-0090R1) installation of automatic recognition control device on the T63-A-700 (OH-58) engine be incorporated in the T63-A-5A (OH-6A) engine.

Conducted 18 assistance visits to posts and commands worldwide.

Education and prevention teams have given presentations and courses of instruction to 6,283 officers and NCO's worldwide.

Aircraft accident investigation teams participated in 14 aircraft accidents worldwide.

Management Information System has processed the following:

- 594 written in-house requests for data.
- 2,568 crash facts messages.
- 2,000 DA Forms 2397 (Precautionary landing, forced landing and incidents).
- 205 preliminary accident reports.
- 246 final accident reports.
- 205 ARADMAC reports.
- 95 requests for mishap experience.
- 29,163 DA Forms 759 (Individual Flight Records) received and processed.
- 27,386 individual flight records coded.
- 651,520 punch cards punched and verified.

The following USAAAVS reports and studies were published in CY 72:

#### TECHNICAL REPORTS

- USAAAVS 72-1 "Army Helicopter Terrain Collision Study:
- USAAAVS 72-2 "Aviation Safety in Combat"
- USAAAVS 72-4 "Aviation with Two or More Pilot Error Accidents"
- USAAAVS 72-5 "Forward or Rearward Faced, Cable Supported, Load-Limited Troop Seat Concept for Helicopters."
- USAAAVS 72-6 "Crashworthy Fuel System Mishap Data."
- USAAAVS 72-7 "Progress Report for a Crashworthy Gunner Seat."
- USAAAVS 72-8 "Preparation of a System Safety Program Plan."

USAAAVS 72-8B "Annex B to TR 72-8"

STUDIES, LETTERS AND GUIDES

2nd Edition "Guide to Aviation Resources Management for Aircraft Mishap Prevention"

OV-1 Mishap Experience Report

OH-58 Mishap Experience Report

USAAAVS Organization and Function Manual

Inability to Fly Basic Instruments

Flight Surgeons Newsletter - Vol. 1, No. 1 thru No. 4 and Vol. 2, No. 1

The System Safety Newsletter - Vol. 1, No. 1 thru 4

Quarterly Program Review (2nd, 3rd, 4th, 1st Quarters)

Five Year Operating Program

Weekly Flight Fax

Monthly Maintenance Fax

Monthly input of eighteen pages to Aviation Digest and covers.

Supplement to Midair Collision Report 71-1



# UNITED STATES ARMY AEROMEDICAL RESEARCH LABORATORY

## MISSION

Conducts studies on current and anticipated medical research problems of fundamental or immediate nature relevant to Army aviation and airborne operations. Develops tests and evaluates hearing protective devices for the US Army. Provides consultative service to other elements of the Army, as appropriate. Maintains liaison with Army, Navy, Air Force, Federal Aviation Administration and other Federal and civilian institutions, both domestic and foreign, which are concerned with or have an interest in aviation.

## ORGANIZATION

USAARL is organized into six major divisions. They are:

- Administrative Services Division
- Aviation Psychology Division
- Aviation Medicine Research Division
- Bioengineering & Evaluation Division
- Biophysics Division
- Technical & Logistical Services Division

## PERSONNEL

As of 31 December 1972, spaces were authorized for 19 officers, 31 enlisted men, and 26 Department of the Army civilian employees. The Commander of the US Army Aeromedical Research Laboratory is COL Robert W. Bailey.

## GENERAL

The US Army Aeromedical Research Laboratory's current research is directed primarily toward the solution of current and immediate operational problems, and fundamental research projects influenced by long range requirements. The program is developed through in-flight observations, studies of field problems reported by other aviation agencies, and technical evaluation of aircraft and personnel equipment. Investigations currently range from the more immediate problems associated with the helicopter and airplane cockpit environment to the long term fundamental studies in problems of hearing loss, color vision and other factors that affect the safety, well-being and efficiency of the air-crewmembers. Research conducted is applied to physical standards, medical aspects of selection, retention, training, operations, performance and equipment.

## ACCOMPLISHMENTS

Accomplishments during the past year include:

- Data analysis and publication of results from a Vietnam Aviator returnee survey.
- Completion, installation and report on a helicopter in-flight monitoring systems.
- Data acquisition on performance during normal approaches and landings in a UH-1.

Award of contract to provide in-house capability for processing and analyzing airborne data tapes.

Assemblage and installation of an airborne visual performance data acquisition system.

Construction of data analysis equipment and the writing of software necessary for visual performance data analysis.

Data acquisition and analysis of visual performance for nine helicopter maneuvers performed in UH-1.

Acquisition of autorotational accident data for a three year period of FY 70-72.

Publication of results concerning the effects of differential velocity on the time prediction of motion.

Equipment construction design and data acquisition on a study of short term recognition.

The investigation of the effects of modification of DH-132 helmets on sound attenuation. Final test of DH-132 helmet sample.

The development of new methods for evaluation of noise cancelling microphones with Fast Fourier Transform instrumentation.

The development of new methods for physically measuring the attenuation of hearing protectors on human heads.

Full accreditation of the Vivarium by American Association for Accreditation of Laboratory Animal Care.

Construction of new burn lab attached to the Vivarium.

Developed data acquisition program for analysis of biological signals, including contour and three-dimensional plotting data.

Written and finalized both hardware and software specifications for proposed hybrid computer.

Developed analog/hybrid program for EKG analysis.

Developed techniques for using the miniature swine as a burn shock model.

Physiological and psychometric data collected on novice parachutists.

Developed experience and procedures for the use of chronically implanted chest EKG electrodes in man.

Converted all physical exam data from IBM punch cards to magnetic tape.

Data analysis and publication of results from a Vietnam aviator returnee survey.

Completion, installation, and report on a helicopter in-flight monitoring system.

Data acquisition on performance during normal approaches and landings in a UH-1.

Award of contract to provide in-house capability for processing and analyzing airborne data tapes.

Assemblage and installation of an airborne visual performance data acquisition system.

Construction of data analysis equipment and the writing of software necessary for visual performance data analysis.

Data acquisition and analysis of visual performance for nine helicopter maneuvers performed in UH-1.

Acquisition of autorotational accident data for a three year period FY 70-72.

Publication of results concerning the effects of differential velocity on the time prediction of motion.

Equipment construction design and data acquisition on a study of short term recognition.

USAARL chaired an ad hoc Aviation Center Team Study on the environmental effects of armed helicopter task performance. The resulting publication was submitted to the Defense Research Group of NATO.

USAARL chaired the NATO Multinational Exercise Working Group on Armed Helicopter Crew Task Performance at Koblenz, Germany in December 1972. The resulting paper will be submitted to the NATO military staff as Phase Two of the 1969 Annapolis Study on the Effects of the Environment on Military Performance.

USAARL studies on Crash Injury Economics for Army Aviation Accidents have resulted in additional cost effective justification for the crashworthy fuel system retrofit program and the crashworthy features of the UTTAS.

USAARL was made a member of the American National Standards Institute Z90.1 Helmet Committee and chairs the subcommittee on helmet durability.

USAARL was made a member of the AGARD Biodynamics Committee and has representation on the Spinal and Head Injury Subcommittee.

USAARL has written a Required Operational Capability document on the Escape System for Combat Surveillance Aircraft. This will provide the optimal system of escape for this type of aircraft.

USAARL has evaluated various types of US Air Force lowering line devices and selected the PCU-21 type. This device will be incorporated into the present OV-1 (Mohawk) escape system in order to improve comfort and decrease the risk of spinal injury.

USAARL has developed a method of evaluating spinal alignment prior to ejection from aircraft. Using this method expected energy levels in foot pounds on each vertebra may be calculated.

USAARL has participated in writing of an in-flight escape system for attack helicopters.

USAARL has reviewed all ejection experience on the OV-1 (Mohawk) aircraft and has recommended an extraction system for the aircraft.

USAARL has evaluated the improved Martin-Baker ejection seat for the OV-1 (Mohawk) aircraft and found that the 95th and 5th percentile sitting height subject may be prone to spinal fracture. The methodology of the evaluation was presented to JCAP, the Federal Seat Conference, and will be incorporated in the SAFE symposium.

USAARL, together with Tulane School of Medicine, has undertaken a study to determine disorientation parameters of the vestibular system during various helicopter maneuvers.

USAARL has developed a pneumatic trouser to combat traumatic shock in the field.

USAARL's helmet evaluation facility is operational. The DH-132 and Standard T56-6 tank crewman's helmets have been evaluated for bump and acoustic protection. The DH-132 tanker's helmet has been classified Standard Type A.

Review and evaluation of impact techniques and data reduction on helmets.

Development of a vibration laboratory to evaluate various man/machine configurations.

Evaluation of primates exposed to vibration and correlation with bone density.

Prospective study of student aviators when subjected to helicopter vibration. Duration three years.

Development of techniques to evaluate the antigravity muscles of aircrewmembers and to determine the maximum allowable helmet weights using EMG techniques.

USAARL has constructed a thermal laboratory to evaluate various flight uniform materials using biological techniques. The biologic method developed has national interest from the Bureau of Standards and textile and polymer industry.

USAARL has refined and extended its thermal transfer model of the skin. Thermal sensors are being evaluated prior to use in anthropomorphic dummies.

An extensive program to correlate the various physical thermal sensors used by the fabric industry with burn formation in vivo biologic tissue is 90% complete.

USAARL is evaluating as the lead laboratory commercial, Navy and Air Force oxygen systems for use in Army aircraft.

USAARL is developing procedures for correlating mode of failure data with injury data as part of the Life Support Equipment Retrieval Program. A remote terminal tie-in to USAARL's computer is being requested.

USAARL has been requested to give lectures on life support equipment throughout the Army. The laboratory continuously gives lectures throughout the Third Army area.

USAARL has evaluated cockpit anthropometry shoulder and seat belt configuration on different aircraft as a result of direct field requests.

USAARL was appointed as the lead laboratory for the development of an experimental protocol to evaluate the factors of fatigue asynchronosis, acclimatization and sustained operations on combat troops deployed by large scale, long range aerial transport.

Completion and publication of the test report on the thermal protective characteristics of various winter-weight underwear combinations for the aviators' uniform.

Study and publication of a paper on the correlation of respiratory burns and cause of death in Army aircraft accidents.

The following USAARL reports were published in CY 1972:

USAARL 72-8 Real-Ear Sound Attenuation Characteristics of Sixty-Three Ear Protective Devices.

USAARL 72-9 Studies of Fluorometric Assay Procedures for Lysergic Acid Diethylamide.

USAARL 72-10 Evaluation of the Improved Martin-Baker (MK-J5(D)) Ejection Seat in Respect to Spinal Alignment.

- USAARL 72-11 Helicopter In-Flight Monitoring System.
- USAARL 72-12 Vietnam Returnees Survey.
- USAARL 72-13 Orientation-Error Accidents in Regular Army Aircraft  
 NAMRL 1161 During FY 1969: Relative Incident and Cost.
- USAARL 72-14 Differential Velocity and Time Prediction of Motion.
- USAARL 72-15 Improving US Army Aircraft Propellor and Tail Rotor Blade Conspicuity  
 with Paint.
- USAARL 72-16 Crash Injury Economics: A Cost of Crewmember Head Trauma in Army UH-1  
 Accidents in FY 69.
- USAARL 73-1 Human Head and Neck Response to Impact Acceleration.  
 NAMRL  
 Monograph 21
- USAARL 73-2 Major Orientation-Error Accidents in Regular Army UH-1  
 NAMRL 1169 Aircraft During FY 1969: Accident Factors.
- USAARL 73-3 Development of a Bio-Pac for Cardiac Evaluation of Porcine Research  
 Animals.
- USAARL 73-4 The Contractile Response of the Spleen of Miniature Swine to Intra-Arterial  
 Infusion of Epinephrine.
- USAARL 73-5 Determining the Surface Areas of Miniature and Domestic Swine by Geometric  
 Design - A Comparative Study.
- USAARL 73-6 Anesthesia or Immobilization of Domestic and Miniature Swine - Methods  
 and Some Problems.

# UNITED STATES ARMY AVIATION HUMAN RESEARCH UNIT

## MISSION

The U. S. Army Aviation Human Research Unit mission is to provide military guidance and support to Division Number 6 of the Human Resources Research Organization in the conduct of studies and research in training, needs for training devices, motivation, and leadership, with primary emphasis on the needs of Army Aviation.

## ORGANIZATION

There were no significant changes in the United States Army Aviation Human Research Unit or Human Resources Research Organization, Division No. 6 (Aviation) organization during the reporting period. However, at HumRRO's request, congress released the organization from it's Federal Contract Research Corporation (FCRC) status.

## PERSONNEL

Aviation Human Research Unit personnel authorized at the end of CY 1972 was 12 (3 officers and 9 EM). The supported contract agency, HumRRO, Division No. 6, was staffed at 18 civilians in support of Department of Defense research. There were no major changes in strength for either unit.

## GENERAL

The recent reduction of forces in the US Army has caused a corresponding reduction in the Army aviation program. Concurrently, the Army aviation training and operational environment continues to advance in technological complexity. These developments have made the role of the human operator in aviation systems increasingly critical. To maximize returns from our limited human assets we must explore optimal training methodology and operational utilization. Meanwhile, we must continue to research the role of the human operator with the same degree of scientific scrutiny as new hardware receives in state-of-the-art research and development.

The Army Aviation Human Research Unit and HumRRO Division No. 6 (Aviation), through scientific behavioral research, are striving to develop optimal training methods for individuals in today's complex aviation training systems, thereby minimizing costs and improving operational utilization of our human assets.

## WORK UNIT SYNTRAIN

Work Unit SYNTRAIN is concerned with expediting applications of advanced training technology in the design and utilization of synthetic devices in Army aviation training. Specific research activities pursued during the year include:

The Synthetic Flight Training System (SFTS) Operational Suitability Test was completed and a report of test results was furnished the US Army Aviation Test Board (USAAVNTBD). Subsequent to relocation of the SFTS in a permanent building, HumRRO cooperated with the USAAVNS and the USAAVNTBD in a final shakedown of the equipment. Research in new training technology available with the SFTS is continuing, to include optimizing its use in the Initial Entry Rotary Wing Aviation Course. Further study is programmed to evaluate the

SFTS training capabilities in support of the Army's Combat Readiness Proficiency Training (CRPT) program in 1973.

HumRRO researchers have provided the USAAVNS and the US Army Training Device Agency with technical consulting advice in development of the training features for a CH-47 Operational Flight Trainer (2B-31) and the COBRA OFT (2B-33). Support in these areas will continue.

#### WORK UNIT PREDICT

Work Unit PREDICT is designed to develop operational systems for predicting performance of Army aviators during training and operational assignments by means of computerized multiple regression equations and probability tables. The initial system has been designed for use in secondary selection in the aviation training program. The following is a description of research in Work Unit PREDICT during 1972.

PREDICT I: Development of Prediction Systems.

Compilation of existing data, and development of intercorrelational matrices and predictive equations for secondary selection of initial entry student pilots undergoing flight training at Fort Wolters, Texas was continued. Demonstrations of a complete operational PREDICT system utilizing automated methodology at Fort Wolters is anticipated in early 1973. The system will demonstrate its use in support of the Student Evaluation Review Council and as an input to the current student counseling program.

PREDICT II: Aviator Combat Performance Prediction.

A questionnaire was developed and sent to all aviation units in RVN to sample peer rating assessment of fellow aviators. Compilation of data returned from the field was accomplished and those data are under evaluation.

PREDICT III: Inactive

PREDICT IV: Relation of Selection and Training Data to Army Aviation Flight Safety.

Selected information has been extracted from the USABAAR accident data bank for comparison with the PREDICT data bank for accident versus training/selection trend analysis. Development of comparison methodology was accomplished and data have been correlated. Evaluation is underway.

# DETACHMENT 1 - 29TH AIR BASE GROUP (ATC) US AIR FORCE

## MISSION

The Detachment has a three-fold mission:

Monitor the overall training received by the Air Force Officers attending the Initial Entry Rotary Wing Course (IERW) and the Rotary Wing Qualification Course (RWQC).

Provide required liaison between Air Force students, the United States Army, and the United States Air Force on matters pertaining to USAF helicopter training.

Provide academic instruction and administrative assistance to Air Force students.

## ORGANIZATION

Detachment 1 (formerly Detachment 19, 3300 Support Squadron (ATC)) is a unit of the 29th Air Base Group, Air Training Command, Craig AFB, Alabama. The Detachment is composed of five officers, three enlisted men, and one civilian secretary. All of the officers are helicopter instructor pilots and flight evaluators.

## PERSONNEL

Commander: Lt Col Robert R. Webber  
Executive Officer: Major Eugene H. Boortz  
Flying Training: Captain Joseph D. W. Lemieux  
Academic Training: Captain Robert J. Pyeatt  
                            Captain Robert O. Burton  
NCOIC, MSG Eston C. E. Nelson  
Personnel Specialist: TSG Robert L. Brinson  
Administrative Specialist: SSG Teddy E. Lusk  
Secretary: Mrs. Henrietta P. Chandler

## ACCOMPLISHMENTS

The United States Army Aviation School began training Air Force helicopter pilots in March 1971, with the arrival of ORWAC Class 71-18 AF. Through the end of calendar year 1972, 549 Air Force officers have graduated from the helicopter training courses at Fort Rucker.

During 1972, 292 active Air Force officers completed rotary wing training qualification courses at Fort Rucker. Of the total, 248 graduated from the Initial Entry Rotary Wing Course and 44 from the Rotary Wing Qualification Course. Additionally, eight officers from Air Force Reserve units completed the Rotary Wing Qualification Course.

With the exception of the Air Force Reserve officers, all IERW students and most of the RWQC students were processed for subsequent combat crew qualification in USAF helicopters at Hill AFB, Utah.

The Detachment provides three weeks of academic instruction for all IERW students and one week for the RWQC students. The IERW block includes briefings on USAF major commands and combat crew training, and lectures on Air Force flight policies and procedures.

The RWQC academic instruction is limited to the roles and mission of the helicopter in the various major air commands. The Detachment staff also provide orientation briefings on USAF helicopter operations for the wives of each class.

LIST OF ABBREVIATIONS

AAF	Army Airfield
AAH-RFP	Advanced Attack Helicopter Request for Approval
AAHT	Advanced Attack Helicopter Trainer
ABN	Airborne
ACS	Army Community Service
ADCO	Alcohol and Drug Control Office
ADP	Automatic Data Processing
ADPE	Automatic Data Processing Equipment
AFGWC	Air Force Global Weather Control
AG	Adjutant General
AGARD	Advisory Group for Aerospace Research and Development
AHP	Army Heliport
AITD	Attack Helicopter Training Department
AIT	Advanced Individual Training
AMC	Army Materiel Command
AMTD	Allied Military Training Division
ANACDUTRA	Annual Active Duty for Training
ANC/AMCS	Army Nurse Corps/Army Specialist Medical Corps
APC	Abbreviated Performance Characteristics
AQC	Advanced Qualification Course
ARAC	Army Radar Approach Control
ARADMAC	Army Aeronautical Depot Maintenance Center
ASCC	Air Standardization Coordinating Committee
ASCTI	American Standard Code for Information Interchange
ATC	Air Traffic Control
ATT	Army Training Test
AUSA	Association of the United States Army
AUTODIN	Automatic Digital Network
AVSCOM	Aviation Support Command
AWOL	Absent Without Leave
BAFS	Base Airfield Support
BAQ	Basic Allowance for Quarters
BAS	Basic Allowance for Subsistence
BASOPS	Base Operations
BER	Budget Execution Review
BN	Battalion
BOQ	Bachelor Officers Quarters
CARs	Conditions and Recommendations
CBE	Command Budget Estimate
CBR	Chemical Biological Radiological
CD	Civil Defense
CDD	Curriculum Development Division
CDR	Commander
CFS	Contract Field Services
CH	Chief
CIMS	CONUS Installation Management Study
COB	Command Operation Budget
CONARC	Continental Army Command
CONST	Construction
CONUS	Continental United States
CPF	Central Post Fund
CPU	Contract Processing Unit
CRF	Combat Readiness Flying

LIST OF ABBREVIATIONS

CRPT	Combat Readiness Proficiency Training
CTD	Career Training Division
CTP-IPR	Coordinated Test Plan, In Process Review
CY	Calendar Year
DA	Department of the Army
DAACD	Drug Abuse and Alcohol Control Division
DAC	Department of the Army Civilian
DC-E	Directorate Communications-Electronics
DCO	Deputy Commanding Officer
DCS PER	Deputy Chief of Staff for Personnel
DDL&P	Doctrine Development, Literature and Plans
DEVA-IPR	Development Exceptance In Process Review
DFAE	Directorate, Facilities-Engineering
DFR	Dropped From Rolls
DFWT	Department of Fixed Wing Training
DGS	Department of General Subjects
DIO	Directorate, Industrial Operations
DMEDA	Directorate, Medical Activities
DNRI	Department of Nonresident Instruction
DOD	Department of Defense
DPCA	Directorate, Personnel and Community Activities
DPTSEC	Directorate of Plans, Training and Security
DRWT	Department of Rotary Wing Training
DVIP	Distinguished Very Important Persons
EIR	Equipment Improvement Recommendations
EM	Enlisted Men
EMG	Electro Milogram
EOC	Equal Opportunity Center
EOD	Explosive Ordnance Disposal
EOO	Equal Opportunity Office
ET-EST HEDP	Engineer Test/Expanded Service Test High Explosive Dual Purpose Service Test
ETV	Educational Television
EW	Electronic Warfare
FAA	Federal Aviation Administration
FAAR	Forward Alert Radar
FA	Field Artillery
FAD	Force/Activity Designation
FAE	Fuel Air Explosive
FAO	Finance and Accounting Officer
FCRC	Federal Contract Research Corporation
FFAR	Folding Fin Aerial Rocket
FM	Frequency Modulated
FOC	Flight Operations Center
FRC	Fort Rucker Area
FRNCOOM	Fort Rucker Noncommissioned Officers' Open Mess
FROOM	Fort Rucker Officers' Open Mess
FWQC	Fixed Wing Qualification Course
GCA	Ground Control Approach
GRAFS	Ground Radar Airfield Support Division
HELMS	Helicopter Multi-Function System
HEW	Health, Education and Welfare
HLFC	Helicopter Instrument Flight Course

LIST OF ABBREVIATIONS

HLH	Heavy Lift Helicopter
HUMRRO	Human Resources Research Office
HURAVACA	Hurricane Evacuation Plan
IAW	In Accordance With
IBM	International Business Machines
ICAS	Improved Cobra Armament System
IERW	Initial Entry Rotary Wing
IFB	Invitation for Bid
IFF	Identification Friend or Foe
IFR	Instrument Flight Rules
IP	Instructor Pilot
IR	Instrument Reading
ISIS	Integral Spar Inspection System
ITD	Instructor Training Division
JCAP	Joint Committee on Aviation Pathology
JROTC	Junior Reserve Officer Training Corps
JUMPS	Joint Uniform Military Pay System
LAH	Lyster Army Hospital
LLNO	Low-Level Night Operations
LORAN	Long Range Navigation
MAC	Military Airlift Command
MACAP	Military Assistance to Civilian Authority Plan
MAIT	Maintenance Assistance and Instruction Teams
MAPTOE	Management Assistance Program for TOE Units
MASCAL OPLAN	Mass Casualty-Operational Plan
MAS	Military Agency for Standardization
MASSTER	Modern Army Selection, Test, Evaluation and Review
MCA	Military Construction, Army
MEDDAC	Medical Department Activity
MEDIST OPLAN MEDDAC	Medical Support Teams - Operational Plan - Medical Department Activity
MIA	Missing In Action
MISO	Management Information Systems Office
MM	Millimeter
MOS	Military Operational Specialty
MP	Military Police
M/TDA	Modified/Table of Distribution and Allowances
M/TOE	Modified/Table of Organization and Equipment
MVA	Modern Volunteer Army
NAFSC	Nonappropriated Fund Service Center
NATO	North Atlantic Treaty Organization
NBCAICP	Nuclear, Biological, Chemical, Accident/Incident Control Plan
NCO	Noncommissioned Officer
NCR	National Cash Register
NET	Nuclear Emergency Team
NG	National Guard
NHA, Inc	Norman Howell Associates, Inc
NOE	Notice of Exception
NOR DPSC	New Orleans Defense Personnel Support Center
NRA	National Rifle Association
NRI	Nonresident Instruction
NWL	Naval Weapons Laboratory
OFT	Operational Flight Trainer

## LIST OF ABBREVIATIONS

OJT	On-The-Job Training
OMA	Operation and Maintenance, Army
ORWAC	Officers Rotary Wing Aviator Course
OSD	Office of the Secretary of Defense
PAMI	Page Aircraft Maintenance, Inc
PCF	Prisoner Confinement Facilities
PCS	Permanent Change of Station
PCP	Program Change Proposal
PFDR	Pathfinder
PP&C	Production Planning and Control
POI	Program of Instruction
POR	Preparations of Replacements for Oversea Movement
POW	Prisoner of War
PROV	Provision
PWD	Proximity Warning Device
QM	Quartermaster
QMP	Qualitative Material Requirement
QSTAG	Quadripartite Standardization
REDCON	Readiness Condition
REFORGER	Redeployment of Forces From Germany
RIF	Reduction In Force
ROTC	Reserve Officers Training Corps
RRO	Race Relations Office
RWQC	Rotary Wing Qualification Course
SAFE	Survival and Flight Equipment Association
SAR	Search and Rescue
SEBQ	Senior Enlisted Bachelor Officers Quarters
SFTS	Synthetic Flight Training System
SHODAP	Special Action Office For Drug Abuse Prevention
SIF	Selected Identification Feature
SIP	Senior Instructor Pilot
SJA	Staff Judge Advocate
SOP	Standard Operating Procedures
SSB	Single Side Band
SSG	System Safety Group
STANGAS	Standard NATO Agreements
STANO	Surveillance Target Acquisition and Night Operations
STRAF	United States Strategic Army Forces
TAC	Tactical Air Command
TAMMS	The Army Maintenance Management System
TASO	Training Aids Service Officer
TBO	Time Between Overhaul
TCP	Trainer Change Proposals
TDA	Tables of Distribution and Allowances
TDY	Temporary Duty
TECOM	Test and Evaluation Command
TMP	Transportation Motor Pool
TNGLIT	Training Literature
TNOE	Tactical Nap-of-the-Earth
TOE	Table of Organization and Equipment
TUSA	Third United States Army
UHF	Ultra High Frequency
USAAA	United States Army Audit Agency

LIST OF ABBREVIATIONS

USAAAVS	United States Army Agency for Aviation Safety
USAARL	United States Army Aeromedical Research Laboratory
USAAVNC	United States Army Aviation Center
USAAVNS	United States Army Aviation School
USAAVNTBD	United States Army Aviation Test Board
USAAVSCOM	United States Army Aviation Systems Command
USABAAR	United States Army Board for Aviation Accident Research
USACDC	United States Army Combat Development Command
USACDCAVNA	United States Army Combat Development Command Aviation Agency
USAF	United States Air Force
USACIDC	United States Army Criminal Investigation Division Command
USAMEDD	United States Army Medical Department
USAMEDVS	United States Army Medical Veterinary Service
USAR	United States Army Reserve
USATECOM	United States Army Test and Evaluation Command
USATDA	United States Army Training Device Agency
USGAO	United States General Accounting Office
UTTAS	Utility Tactical Transport Aircraft System
VIP	Very Important Persons
VNAF	Vietnamese Air Force
VOCO	Verbal Orders of Commanding Officer
WAC	Womens Army Corp
WOC	Warrant Officer Candidate

DISTRIBUTION

5 - SGS	10 - MEDDAC
10 - DPCA	20 - Hq Cmd
100 - DPTSEC	35 - USAAVNS Bde
10 - DIO	20 - 46th Engr Bn
2 - DC-E	5 - USAAVNTBD
5 - Compt	5 - USACDCAVNA
2 - SJA	5 - USAAAVS
2 - IG	5 - HUMRRO
2 - DFAE	5 - USAARL
2 - MISO	5 - USAAVNS Element, Hunter AAF, GA
5 - IO	5 - USAAVNS Library
2 - USAAVNS Sec	5 - Center Library
10 - DAFT	5 - Army Aviation Museum
10 - DGFT	2 - Det 9, 16th Wea Sqdn
10 - DSIT	5 - Chief, Military History, Washington, DC 20315
5 - DOI	5 - CG, CONARC, ATTN: DCSOPS Historical Branch
5 - DOMT	5 - TUSA
5 - DGS	ATTN: Historical Officer
5 - DAET	60 - AG
5 - NRI	ATTN: Records Holding
5 - ODDL&P	
2 - Acft Acdt Investigation Board	

Special

2 - CDR, Ft Benning, GA	ATTN: Historical Officer
2 - CDR, Ft Bragg, NC	ATTN: Historical Officer
2 - CDR, Ft Stewart, GA	ATTN: Historical Officer
2 - CDR, Ft McClellan, AL	ATTN: Historical Officer
2 - CDR, Ft Gordon, GA	ATTN: Historical Officer
2 - CDR, Ft Campbell, KY	ATTN: Historical Officer