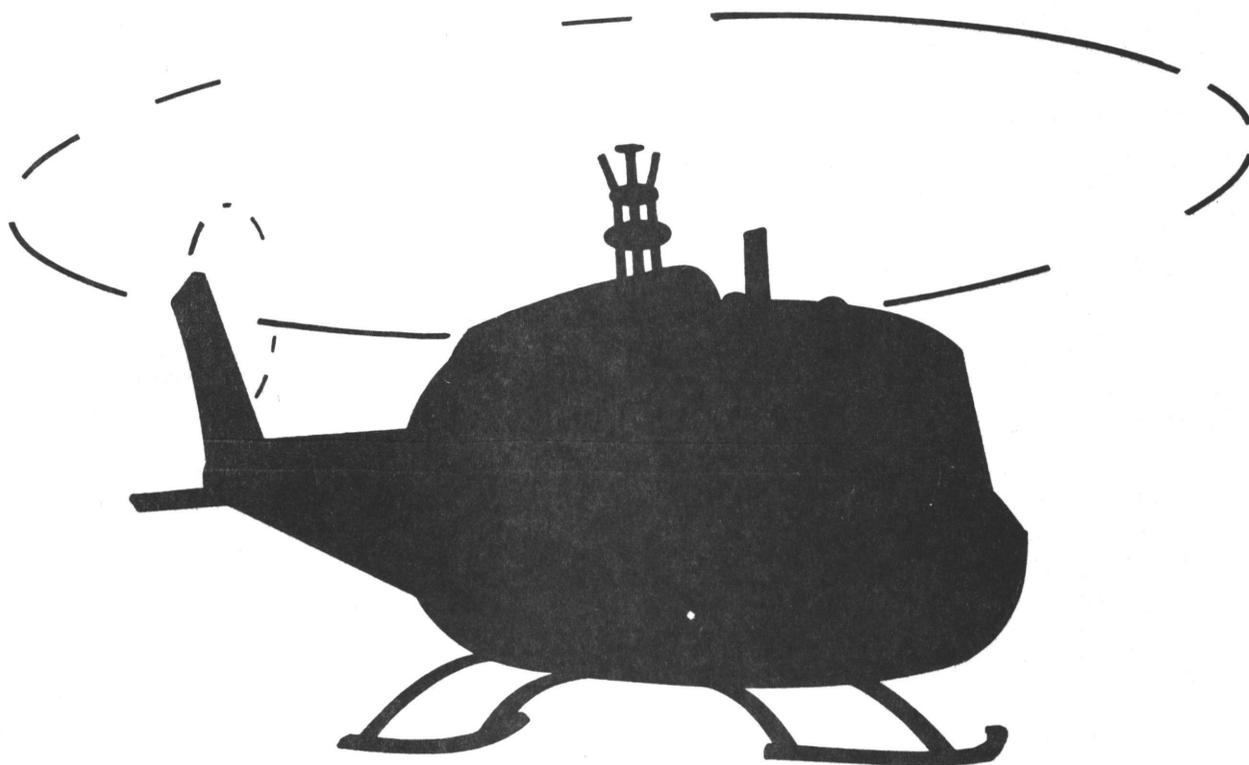


# HISTORICAL SUPPLEMENT



1973

US Army Aviation Training Library  
Fort Rucker, Alabama 36360



FORT RUCKER, ALABAMA

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  
1 JAN 73 - 7 SEP 73



MAJOR GENERAL WILLIAM J. MADDOX, JR.  
COMMANDING GENERAL  
22 SEP 73 - 31 DEC 73

## PREFACE

This annual supplement is a resume of the historical events in which Headquarters, United States Army Aviation Center participated during Calendar Year 1973. 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 TRADOC Supplement 1 to AR 870-5.

Agencies or individuals, public or private, may reproduce, quote or otherwise use any portion of the contents contained herein provided use is judged to be in the best interest of the United States Army. Assistance will be given all official and unofficial inquiries for additional information about Fort Rucker, the US Army Aviation Center/School or tenant activities, provided information is unclassified and its subsequent use is provided for in AR 360-5.

The Calendar Year 1973 annual supplement is the ninth 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.

On 29 July 1973, the phasing out of Aviation training at Fort Wolters, Texas, began. On that date, IERW class 74-9 began the Primary Phase of Initial Entry Rotary Wing Training. On 9 November 1973, the last class to go through the Primary Phase at Fort Wolters, Texas, ended their training at that installation, completing the consolidation of all Initial Entry Rotary Wing Training at Fort Rucker.

On 16 August 1973, AHLG AQC Class 74-4 reported to Fort Rucker for training previously conducted at Hunter AAF, Georgia, thus completing the consolidation of the United States Army Aviation School at Fort Rucker.

Since the end of the US Army's combat role in SE Asia, Army Aviation concepts have been closely analyzed and new concepts are being developed for operations in mid-to-high-intensity warfare environments. The role of the armed helicopter is the subject of intense study and innovation. Nap-of-the-earth flight which requires skills completely unique in the field of aviation has been closely studied during 1973 and new training programs initiated.

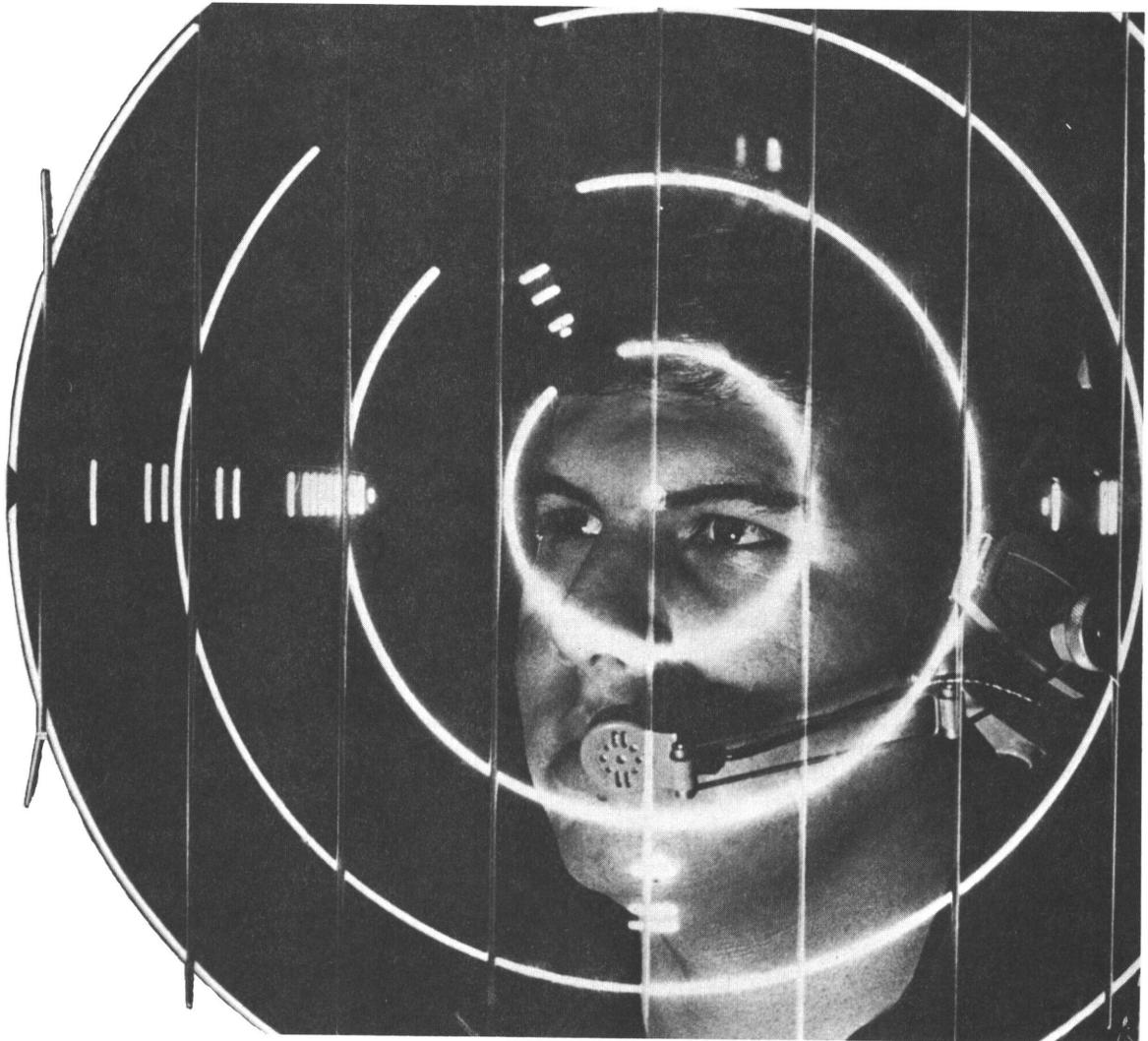
Today, Fort Rucker, Alabama, serves the United States Army by providing the highly qualified Army aviators who are so vital to the ground combat role of the United States Army, and by the development of new tactics and concepts of employment of Army aircraft.

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# chapter 1

## US 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:

MAJ John A. Duff, Secretary General Staff, effective 23 February 1973. CPT Frank C. Gaetje, Secretary General Staff, effective 26 November 1973.

On 23 February 1973 LTC Bruce H. Gibbons moved from Secretary General Staff to Assistant to the Deputy Commander. Colonel Crawford Buchanan became Deputy Commander on 10 July 1973, with LTC Robert Ulzheimer becoming an Assistant to the Deputy Commander on 17 July 1973. Major General William J. Maddox, Jr., assumed command of the United States Army Aviation Center/School on 22 September 1973. Major John A. Duff was reassigned to Headquarters, 8th Army (Korea), on 26 November 1973.

## ACCOMPLISHMENTS

The Office of the Secretary General Staff provided support or assistance to over 362 official visits to the United States Army Aviation Center/School. Eighty-five visitors were general officers or equivalent and included Senator Strom Thurmond; Congressmen Walter E. Powell and Garner E. Shriver; the House Committee on Armed Services, Subcommittee #4, comprised of Congressmen Samuel S. Stratton, William L. Dickinson, Bill Nichols, Les Aspin, and Bill Young; the Chief of Staff of the Army, General Creighton W. Abrams; Generals William E. DePuy, Ralph E. Haines and Walter T. Kerwin, Jr. Lieutenant Generals Alvan C. Gillem, II, William V. McBride, Orwin C. Talbott, and Melvin Zais; Lieutenant Generals (Retired) Harry W. O. Kinnard and John J. Tolson, III; as well as Sergeants Major of the Army Silas L. Copeland and Leon L. VanAutreve.

On 4 May 1973 the AUSA Small Business Seminar was hosted by Fort Rucker with 155 persons attending, including 5 general officers from the active Army. The 12th Joint Services Aviation Safety Conference was held at Fort Rucker during 22-24 May 1973 with 66 persons attending, 5 of which were general officers of the active military. The Fort Rucker Precamp Conference for Reserve Component Annual Training was held on 14 and 15 March with 67 persons attending (1 Reserve general officer). The Life Support Equipment Conference was held at Fort Rucker on 23 and 24 May 1973 (attendance not recorded). The Behavioral Research Conference was hosted by Fort Rucker from 27 to 29 November 1973 with 140 persons attending, 4 of which were active military general officers. The First Army Aviation Standardization Conference was hosted by Fort Rucker during 7-9 December 1973 with 98 persons attending (no general officers).

## DIRECTORATE OF PERSONNEL & COMMUNITY ACTIVITIES

### ORGANIZATION

Director of Personnel and Community Activities is organized in the following divisions:

- Personnel Services Division
- Office, Accident Prevention (Safety)
- Aircraft Accident Investigation Board
- Central Post Fund
- Non-Appropriated Fund Service Center
- Army Community Service
- Education Branch
- Adjutant General Division
- Military Personnel Branch
- Administrative Services Branch
- Fort Rucker Chaplain Division
- Civilian Personnel Division
- Recreation Services Division
- Race Relations/Equal Opportunity Division
- Provost Marshal Division

### MISSION

Direct all aspects of military and civilian personnel administration, personnel management, general administration, nonappropriated fund activities, morale and welfare activities, Army Community Services, troop and employee educational development, drug abuse and alcoholism control, race relations/equal opportunity, and Recreation Services activities. Supervise officer and enlisted open mess operations and Post Exchange activities and exercise direct supervision of the Adjutant General, Chaplain and Provost Marshal.

### PERSONNEL

Director - Colonel James G. Humphrys  
On 30 April 1973, LTC James B. Carlisle, Jr., assumed duties as Director, DPCA, replacing Colonel James G. Humphrys.

On 30 April 1973, LTC Mitchell G. Thompson assumed duties as Deputy Director, DPCA, replacing LTC James B. Carlisle, Jr.

On 30 April 1973, Officer Personnel Management Section functions were transferred to AG Division.

### PERSONNEL SERVICES DIVISION

### PERSONNEL

On 1 May 1973, Major John W. Gordy, Jr., assumed the duties of Chief, Personnel Services Division, replacing LTC Mitchell G. Thompson who became the Deputy Director, DPCA.  
On 30 September 1973, Captain William R. Mason assumed the duties of Chief, Personnel

Services Division. On 1 August 1973, Major A. B. Rapier retired from the Women's Army Corps as a Lieutenant Colonel (Reserve).

ACCOMPLISHMENTS

Modern Volunteer Army: On 14 May 1973, the Modern Volunteer Army became the Modern Army and was decentralized, with the responsibility for the program being placed on the unit commanders.

Fort Rucker Dependent Schools: The Fort Rucker Dependent School System began the 1973-1974 school year with an enrollment of 1,193 students in grades Kindergarten through Six. The project at the Red Cloud Road school to renovate several classrooms to special area rooms was completed in January 1973, at a cost of \$355,000.00. The new 21-classroom Primary School located on Artillery Road was completed in August 1973. This facility was funded by the Department of Health, Education and Welfare at an estimated cost as follows: \$1,621,592.00 construction costs; \$106,185.00 architect fees; and \$58,000.00 manager fee. The new school was put into use for the first time with the beginning of the 1973-1974 school year for grades Kindergarten through second.

Combined Federal Campaign: The third annual Wiregrass Area Combined Federal Campaign was conducted with Colonel James G. Humphrys as campaign chairman. All Federal employees in the Counties of Dale, Coffee, and Houston were solicited. A total of \$75,748.20 was collected, which set an all-time record.

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.

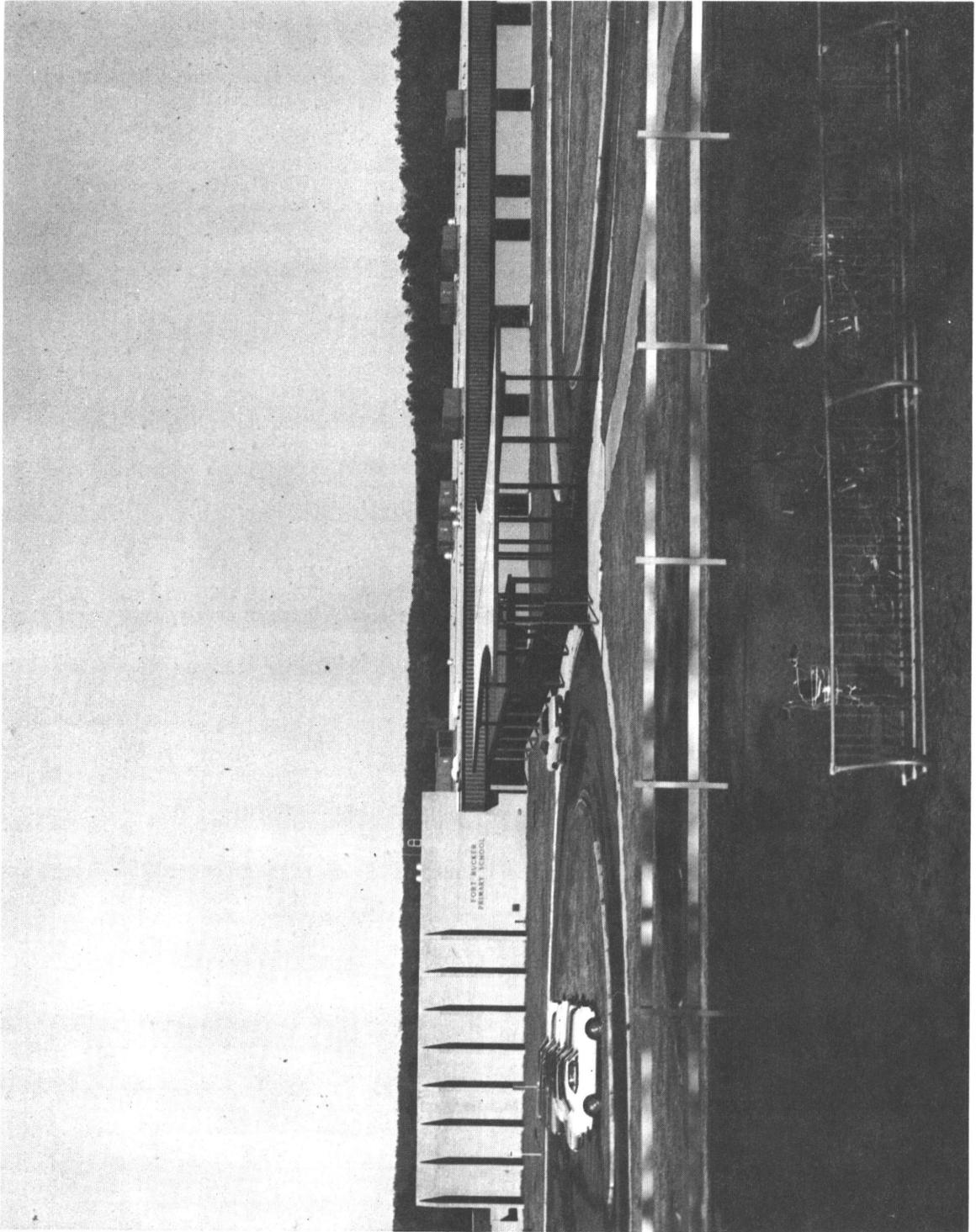
ACCOMPLISHMENTS

An Aircraft Accident Prevention Survey of the U.S. Army Aviation School and Center was conducted by TUSA during the period 9-13 April 1973. A rating of satisfactory was awarded (only ratings of satisfactory or unsatisfactory were considered.)

LTG Melvin Zais, TUSA Commander, cited the U.S. Army Aviation Center for its aviation safety record during the first half of fiscal year 1973. The Aviation Center experienced a rate of only 2.56 accidents per 100,000 flying hours. This rate represented a reduction of 53 percent from the first half of fiscal year 1972.

Accident rates experienced during FY 1973 are as follows:

- a. Army aircraft accidents per 100,000 hours flown ----- 3.25
- b. Army motor vehicle accidents per 1,000,000 miles driven ----- 3.72
- c. Military fatalities per 1,000 man-years worked ----- 2.12
- d. Military disabling injuries per 1,000 man-years worked ----- 5.62
- e. DAC disabling injuries per 1,000 man-years worked ----- 3.98



## AIRCRAFT ACCIDENT INVESTIGATION BOARD

### ACCOMPLISHMENTS

During the year, the USAAVNC/S Aircraft Accident Investigation Board investigated 10 aircraft accidents. Three fatalities resulted from one of these accidents. The total estimated cost of repairs for the aircraft involved was \$1,081,170.70. In addition, the accident board investigated five mishaps including two for other organizations, one for the U.S. Army Aviation Test Board, and one for Fort McClellan, Alabama.

In keeping with the belief that all accidents are preventable, the data gathered during the investigation of these mishaps has generated significant changes to existing regulations and manuals.

### CENTRAL POST FUND

#### ORGANIZATION

The number of administrative personnel was increased in January to accommodate the staffing requirements generated by Central Post Fund absorbing all accounts and property of individual unit funds. This centralization of accounting and control, which was directed by the Department of the Army and Third US Army Headquarters, was completed in January. The reorganization accomplished by this office was utilized as a "model" by TUSA (and later by TRADOC) for Central Post Fund offices at other installations which were encountering difficulties.

#### ACCOMPLISHMENTS

In mid-CY 1973, Central Post Fund began maintaining its own stock record cards for resale merchandise which were previously maintained by the Nonappropriated Fund Service Center. This reduced the overall cost of the NAFSC without increasing the cost of administering the Central Post Fund.

As a result of more efficient managerial controls within Central Post Fund and the increase of monthly per capita dividends by forty cents, the depleted state of the fund has been nearly eliminated. This availability of monies is gradually permitting the funding of previously curtailed Recreation Services Programs.

### NON-APPROPRIATED FUND SERVICE CENTER

#### ORGANIZATION

The NAFSC was reorganized in September by placing the payroll clerk into the Accounting Section, separating its duties from the ADP Section whose sole responsibility is providing payroll documents for Accounting. Separate and defined duties were established for one inventory clerk, one accounts payable clerk, and one warehouse and stock record clerk.

#### ACCOMPLISHMENTS

On 1 July, the NAFSC began implementing the new AR 230-65, pertaining to accounting procedures for nonappropriated funds. Three new NAF'S were added to those serviced, The Flying Club, Riding Club, and the Packaged Beverage Branch. Accounts Receivable have been mechanized for all funds which maintain a large number of accounts. All major funds have had their accounts payable mechanized. The development of an automated

general ledger system has begun. The expense of the Central Accounting Office has been reduced from prior year while increasing its service to the funds.

#### ARMY COMMUNITY SERVICE

##### PERSONNEL

Major Bobbie G. Pedigo was assigned in October as Special Assistant to the Deputy Commander for Army Community Service, replacing Major Willis R. Bunting.

Captain Joe R. Creel was assigned in August as ACS Professional Services Officer, replacing Captain Daniel Finckler.

Mrs. Robert D. Bretz was appointed in February as Volunteer Supervisor, replacing Mrs. James Humphrys.

##### ACCOMPLISHMENTS

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

The Ft Rucker Army Community Service sponsored 23 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.

Immigration and Naturalization assisted 61 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 \$54,110.50; \$53,130.50 in loans and \$980.00 in grants.

The Budget Counseling and Formal Debt Liquidation Program initiated in September 1972 has been highly successful during the preceding year with a total enrollment of 63 of which 40 remain in the program.

The POW/MIA Committee of ACS donated \$1,000.00 to the River Rats Scholarship Foundation for children of persons missing in action in Southeast Asia.

Under the supervision of the Professional Services Officer a School Consultation Program was initiated in February to assist teachers and parents of problem children in the Fort Rucker Elementary School.

The Chief of Staff of the U.S. Army was briefed on Army Community Service activities in October by ACS personnel and lady volunteers. General Abrams was impressed with the programs and accomplishments of the organization and directed the DA Action Officer for Retired Services, LTC Thomas E. Green, to visit Fort Rucker and review the retired activity program as a possible model for application Army wide.

The Army Community Service hosted Major and Mrs. J.H. Deveau, Canadian Armed Forces, for one week in October to explain and demonstrate the ACS program at Fort Rucker.

The purpose of the visit was to improve services to the Canadian Armed Forces in the concept of ACS. This installation was chosen as the model for the Canadians.

#### EDUCATION BRANCH

##### PERSONNEL

In July 1973, Mr. Delma L. Hughes, Education Services Specialist, departed this station for an assignment in Germany. In September 1973 Mr. Charles A. Thomley joined this section as Education Services Specialist. In December 1973 Mr. James A. Nuckles joined the Project Transition Program as a Vocational Guidance Counselor.

##### ORGANIZATION

The Education Branch of DPCA operates the Army Education Center and the Project Transition Program.

##### ACCOMPLISHMENTS

During the calendar year 161 enlisted personnel gained high school certification. Sixty-two military personnel earned bachelor's degrees, and 46 military personnel earned Master's Degrees. There were 1924 individual enrollments in tuition subsidized, off-duty college courses.

In March 1973, a Pre-Discharge Education Program (Project PREP) was established and is being conducted by the Alabama Aviation and Technical College.

#### ADJUTANT GENERAL DIVISION

##### PERSONNEL

LTC James H. Olson continues as Post Adjutant General (Promoted from Major on 11 April 1973).

MAJ Darwin L. Haines continued as Deputy Adjutant General.

##### ORGANIZATION

The Adjutant General Division consists of three elements - Office of the Adjutant General; the Military Personnel Branch; and the Administrative Services Branch.

##### ACCOMPLISHMENTS

In April 1973, the Adjutant General Division reorganized and relocated from various sites throughout the installation to an area in close proximity to the troops. Prior to this date, Adjutant General activities were conducted in sixteen different buildings as far apart as three miles. The main functions of the Adjutant General Division are now performed in the AG Complex (Bldgs 5503, 5504, 5505, 5506 and 5507). The purposes of this move were to consolidate functions, streamline operations, and better serve the troops.



## MILITARY PERSONNEL BRANCH

### PERSONNEL

Major Louis M. Butt, Jr. continued to serve as Chief, Military Personnel Branch, until 14 October 1973. Captain Norman P. Daprato assumed duties as Chief, Military Personnel Branch, effective 15 October 1973.

### ORGANIZATION

During May 1973, elements of the Military Personnel Branch were relocated into buildings 5506, 5504, 5502, 5702 and 5709. This relocation resulted in consolidation of various functions of the branch and provided a centralized location to serve the military population.

The Officer Management functions of DPCA were assumed by the Military Personnel Branch in May 1973.

In December 1973, The Administrative Machine Section was redesignated as the Standard Installation/Division Personnel System Interface Section.

### ACCOMPLISHMENTS

During CY 1973, 483 enlistees were recruited for Ft Rucker under the Station/Unit of Choice Recruiting Program.

The Ft Rucker first term reenlistment objective for CY 1973 was 138 reenlistments. Ft Rucker achieved 114% of the objective by reenlisting 158 first term personnel.

The personnel branch processed 2,372 Officer Efficiency reports during CY 1973. Of these, only 54 or 2.27% were dispatched late to DA.

The Branch received a Command Personnel Management Assistance Visit in September 1973. If this visit had been a formal inspection, the overall rating would have been Satisfactory.

## ADMINISTRATIVE SERVICES BRANCH

### PERSONNEL

CPT Daprato relieved CPT Barber as Chief, ASB, on 1 May 1973. CPT Reynolds relieved CPT Daprato as Chief, ASB, on 1 October 1973. During 1973, ASB suffered an unusually severe personnel turnover. No large contributing factor can be singled out as a cause.

### ORGANIZATION

Organization remained the same except for internal changes. Consolidation did occur in 1973, moving AG Division into one central complex.

### ACCOMPLISHMENTS

Consolidation of AG Division resulted in a much more efficient operation in ASB. With this consolidation, ASB assumed responsibility for publication of orders for all personnel of Ft Rucker. The Publication Section picked up publication accounts for

all US Army Reserve and ROTC units in the Ft Rucker area resulting in a 45% increase in workload. Printing Plant production has dropped off due to the paper shortage and a more critical look at requirements; this has resulted in a large savings.

### CHAPLAIN DIVISION

#### PERSONNEL

Chaplain (COL) Walter F. Wichmanowski is the Center Chaplain. Chaplain Wichmanowski assumed his duties from the Acting Center Chaplain, LTC John P. Barbernitz, on 24 August 1973. Chaplain Barbernitz became the Acting Center Chaplain upon the retirement of Chaplain (COL) Burton G. Hatch on 30 June 1973.

The following chaplains were assigned to the Chaplain Division during 1973:

Chaplain (CPT) Leroy C. Rittenbach, 9 July  
Chaplain (CPT) Nicholas T. Woods, 9 July  
Chaplain (COL) Walter F. Wichmanowski, 24 Aug

The following chaplains departed Ft Rucker for new assignments or retirement during 1973:

Chaplain (LTC) Francis Kovacic, 1 June, PCS  
Chaplain (COL) Burton G. Hatch, 30 June, retirement  
Chaplain (CPT) Roy N. Mathis, 30 June, PCS  
Chaplain (CPT) Glenn C. Pedder, 13 July, PCS  
Chaplain (CPT) Robert H. Speer, 15 Aug, PCS  
Chaplain (CPT) Frank D. Major, 3 October, PCS  
Chaplain (CPT) Jerry H. Holland, 27 Dec, PCS

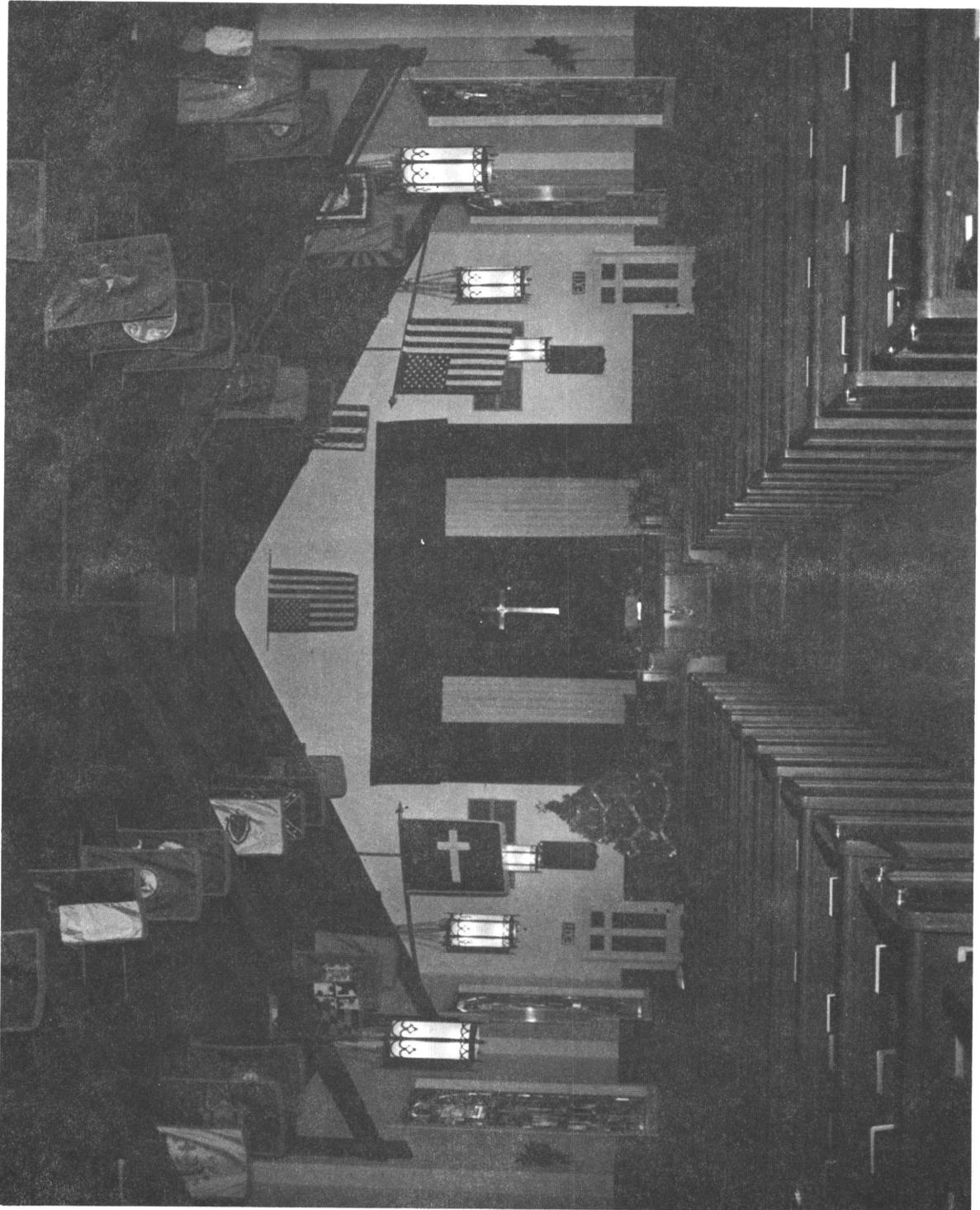
#### ORGANIZATION

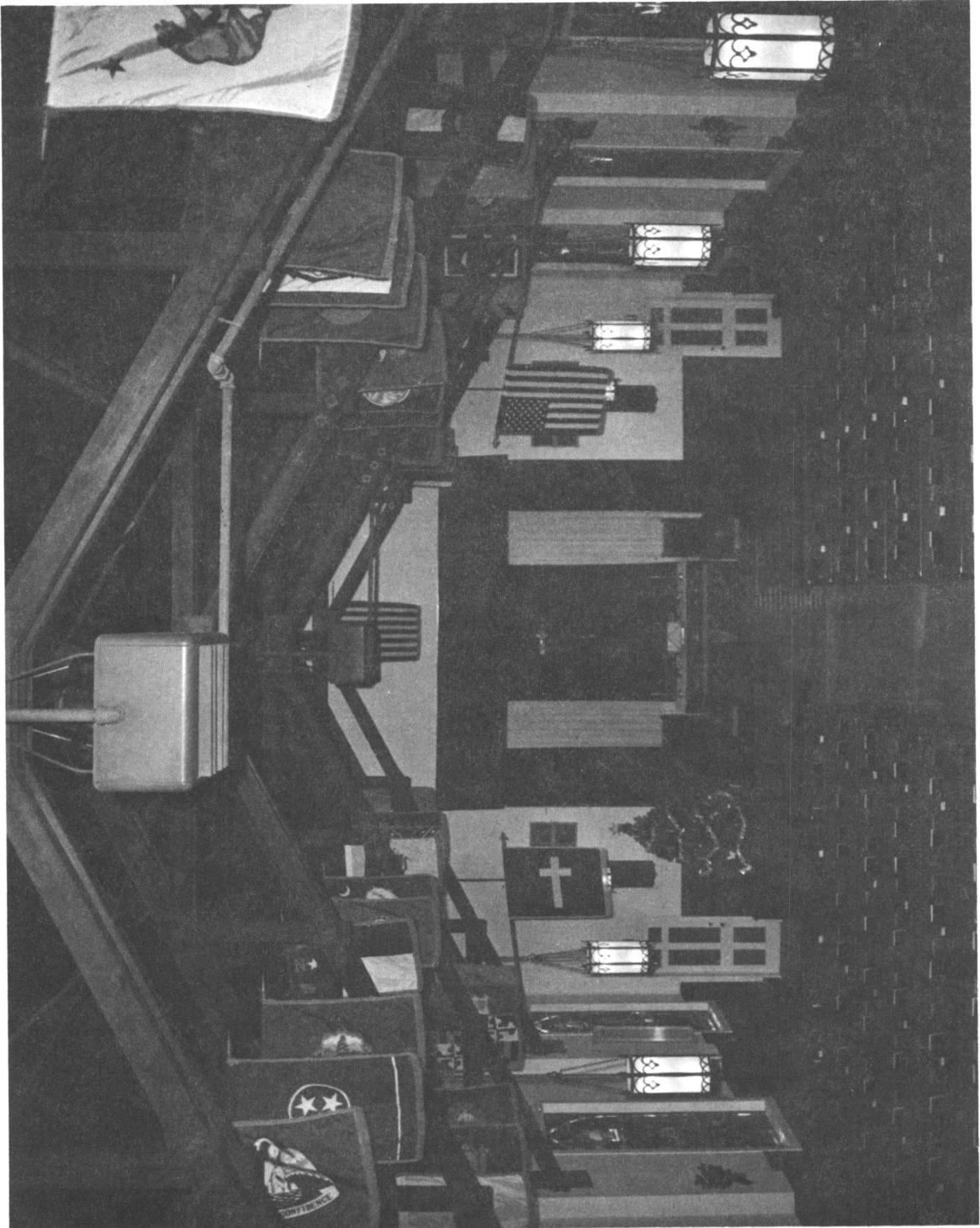
On 3 June 1973, the Chaplain Division was relocated to occupy Building #5701. This relocation provided administrative and operational advantages which included reapportionment of work spaces so as to improve work-flow and efficiency; adequate work and filing space for the Chapel Visitor program; consolidation of administrative work areas for chapel lay-groups; Ladies Guild and PWOC; acquisition of a conference room for Chaplain training conferences, and chapel lay-group board meetings; and the development of an activities room for a variety of activities requiring space for approximately 75 persons.

#### ACCOMPLISHMENTS

A Religious Crusade was conducted on Post 26-28 January with an average evening attendance of 600. 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. Youth Sunday was observed in conjunction with the Crusade. Young People from the PYOC took charge of Sunday School classes and worship services.

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 NCOs were in attendance.





A Religious Education Teacher's Workshop was conducted on 9-10 March. This workshop acquainted our teachers with new ideas in using creative teaching styles and dealt with realistic goals needed for positive learning. A total of 70 Catholic and Protestant teachers attended.

The Catholic youth of Ft Rucker conducted a retreat at St. Bernard College, Cullman, Alabama, 15-18 March. A total of 36 were in attendance.

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

The annual Easter Sunrise Service was held 22 April with Chaplain (MG) Robert P. Taylor, USAF (Ret) as guest speaker. Over 2,000 persons from Ft Rucker and the civilian communities were in attendance.

The Catholic Chaplains conducted a special husband/wife religious retreat for married military personnel, 11-12 May. Some 36 participated and expressed interest in similar opportunities in the future.

A Single Soldier's Retreat was conducted by the Chaplain Division at Blue Lake Assembly, Andalusia, Alabama, 16-18 May. It was highly beneficial to those who attended.

A Vacation Bible School Workshop was conducted 22-23 May by the chief editor of VBS curriculum for Standard Publishers. All teachers and workers were well-trained for a meaningful VBS.

The Junior High Protestant Youth of the Chapel participated in a retreat at Camp Ithiel, Florida, 5-8 June, with 48 attending.

The second joint Protestant-Catholic Vacation Bible School was conducted at Ft Rucker with outstanding success and had an enrollment of 627.

The Senior High PYOC journeyed to Jekyll Island, Georgia, 17-22 June where they participated in a Youth for Christ conference. A total of 18 persons attended.

The Ft Rucker chaplains sponsored a bus to the Billy Graham Crusade in Atlanta, Georgia for Post Personnel on 20 June.

The Ladies Guild held a pool party on 25 June for young servicemen. The 110 who participated expressed great gratitude for an enjoyable time.

A program entitled "Project Concern" was sponsored jointly by Ft Rucker and various local civilian churches. The Chaplain Division assisted in this program which consisted of two-day encampments for underprivileged children. It proved to be very beneficial to the 64 children who participated.

The Junior Protestant Youth of the Chapel conducted their first off-post retreat at Camp Victory, Alabama, on 2-7 July. All 20 people who went stated that the retreat was a real blessing.

A one day Navigator Conference was conducted in Division Road Chapel, 14 July. Approximately 100 persons from colleges and other military installations participated.

The Post, supported by the Chaplain Division, hosted 125 young people from the African Methodist Episcopal Church of Alabama. These young people participated in a two-day religious retreat at Singing Pines Encampment, Ft Rucker, 20-21 July 1973.

A Youth Vacation Bible School was conducted the week of 6-10 August 73. The school was led by Mr. Louie Reynolds, Protestant Director of Religious Education, and Sister Mary Kavanaugh, Catholic Director of Religious Education. Approximately 85 Protestant and Catholic youth participated.

A Teacher Training Workshop was conducted on 17-18 August 1973 for Catholic laypeople who are working in the religious education program. Miss Jackie Bell of the Silver Burdett, Co. in New Jersey was the workshop leader.

Sister Mary Keller of the Diocese of Mobile conducted a Teacher Training Workshop for Catholic laypeople on 6 September 1973. Approximately 60 people participated.

The Ft Rucker Chaplains Division received its annual IG Inspection on 18-19 September. All facilities were declared to be in outstanding condition. A few minor discrepancies were noted. These were corrected readily.

A Workshop on Military Evangelism was conducted at the Religious Education Center, 20-23 September, by Mr. and Mrs. H. Martin Gay of Campus Crusade for Christ International, Military Division. 79 adults and youth participated.

A combined Senior High, Junior High, and Junior PYOC Retreat was conducted at Camp Victory, Alabama, on 28-30 September. Approximately 90 youths and sponsors participated.

The Second Single Soldiers Retreat was conducted by the Chaplain Division at Blue Lake Assembly, Andalusia, Alabama, 28-30 September. Approximately 20 young soldiers and WAC's participated.

The Catholic Youth Organization conducted a retreat at the Gulfside Methodist Assembly, Waveland, Mississippi, 5-8 October 1973. All of the 37 people who participated indicated that the retreat was very meaningful and enjoyable.

A Teacher Training Workshop for Catholic laypeople was conducted by Miss Angelia DeSmidt of the Paulest Press, New Jersey. This workshop was held on 12-13 October 1973 with approximately 46 people attending.

The PWOC conducted a Mother-Daughter Banquet at the Ft Rucker Noncommissioned Officers Club on 15 October 1973. The featured speaker was Mrs. Hilda Forehand of Enterprise. Mrs. Forehand shared her personal experiences about a near tragic boating accident and how God miraculously spared her life. 85 persons participated.

The Ft Rucker Catholic Chaplains hosted a Day of Reflection on 28 October 1973, for all priests in the Diocese of Mobile. 35 priests participated.

The PWOC conducted a retreat at Camp Victory, Alabama, on 3-4 November 1973. Miss Bess Robertson who is with the Childrens Bible Mission, Inc., was the retreat leader. Approximately 27 ladies participated. The retreatants were highly pleased with their retreat experience.

A Teacher Workshop was conducted on 12-13 November 1973, in the Religious Education Center by Mr. and Mrs. Tom Kennedy of Elba, Alabama. Approximately 42 teachers and assistant teachers participated.

The annual Feast of Christ the King Pageant was conducted in the Post Theater on 25 November 1973, at 1000 hours. 600 members of the Catholic Parish participated.

On 2 December 1973, the Division Road Chapel was rededicated and became Chapel of Flags. The occasion was the installation of stained-glass windows and Memorial of Flags acquired from Ft Wolters, Texas. The Center Chaplain greeted the assembly of civic and military dignitaries and local congregants. The speaker was Chaplain (COL) Leonard F. Stegman, FORSCOM Chaplain. MG William J. Maddox, Jr., Ft Rucker's Commanding General, read the Scripture and responded to the message and extended appreciation to everyone who had a part in the rededication of Chapel of Flags. Special guests included LTC (Ret) and Mrs. William Watts, principal donors of the Memorial of Flags and Chaplain (LTC) Jack Parham, Ft Wolters Post Chaplain.

An Ecumenical Brunch was hosted by the Catholic Ladies Guild on 7 December 1973. The Protestant Women of the Chapel were the guests of the Ladies Guild. MG William J. Maddox, Jr., was the featured speaker. The Officers Wives Club Choralettes presented special music. Approximately 114 were present.

The annual Christmas Tree Lighting Ceremony was conducted on 7 December 1973, at 1600 hours near the Post Headquarters. The Center Chaplain, Colonel Walter F. Wichmanowski, was master of ceremonies. MG William J. Maddox, Jr., Ft Rucker's Commanding General, officially opened the Christmas season and turned on the large tree lights. Because of the energy crisis, the Post Christmas Tree was to be the only outside lighted tree. The arrival of Santa Claus was highlight of the ceremony. Santa passed out candy and talked to the children. Approximately 800 people were on hand to enjoy this event.

The Third Single Soldiers Retreat was conducted at the Blue Lake Assembly, Andalusia, Alabama, 7-9 December 1973. Chaplains Jerry Holland and Nicholas Woods sponsored the retreat with 18 soldiers and WAC's participating. Resource leaders were CPT and Mrs. Joe Creel and Mr. and Mrs. Mil Crenshaw. All of the retreatants expressed a warm thanks for the retreat.

On 9 December 1973, the First United Methodist Church of Dothan, Alabama, held its second Ft Rucker Appreciation Service. The Center Chaplain, Colonel Walter F. Wichmanowski delivered the sermon; MG William J. Maddox, Jr., Commanding General, read the Scriptures and led in the responsive reading; and forty voices of Ft Rucker's Combined Choirs comprised the choir with a six piece brass ensemble from the 98th Army Band led by CWO Ben Easter.

The Combined Choirs of Ft Rucker led by CWO Ben Easter and Mrs. Phyllis Walton, conducted a Christmas Cantata in the Post Theater, 1700 hours, 16 December 1973. The "Carol of Christmas" by John W. Peterson was presented by 50 voices with the support of instruments by the 98th Army Band, Mrs. Ann Reynolds at the organ, and LTC Bruce Gibbons, narrator. Approximately 653 persons thoroughly enjoyed the beautiful Cantata presentation.

Farther Robert Nehrig, a Maryknoll Missionary from New Orleans, Louisiana, spoke to approximately 55 members of the CYO group on 16 December 1973.

On 27-31 December, 36 Senior High PYOC'ers, members of the College Age/Career Group, and their sponsors participated in the Youth for Christ Winter Retreat at Gatlinburg, Tennessee.

## CIVILIAN PERSONNEL DIVISION

### PERSONNEL

Mr. Bernie F. Sheppard remains assigned as the Civilian Personnel Officer.

### ORGANIZATION

The Civilian Personnel Division continues to be organized as directed by Civilian Personnel Regulation, CPR 200, with the Office of the Chief and 5 Branches.

### ACCOMPLISHMENTS

During the year a total of 90 employees retired from Civil Service. Of this number, 40 retired for disability and the rest were optional retirements.

Our strength at the beginning of the year was 1889 GS and 665 WG for a total of 2554 employees. At the end of the year, we had a total of 1893 GS and 639 WG for a total of 2532 employees.

All necessary personnel actions were effected to amalgamate the US Army Aviation School at Ft Rucker by the transfer of functions from Ft Wolters, Texas, and Hunter Army Airfield, Ft Stewart, Georgia. This action was taken in conjunction with a reorganization of the Aviation School at Ft Rucker to realign skills. Personnel actions were processed under reduction in force regulations and all affected employees were offered positions in the new structure.

Actions were also processed to mass change employees from DC-E of the Command to US Army Communications Command and from Lyster Army Hospital of this Command to the Health Services Command. Employees of the Property Disposal Branch, DIO, were transferred to the Defense Supply Agency with duty station at Ft Rucker, Alabama.

Recruiting efforts were initiated during the last six months to fill 449 civilianization spaces not later than 30 June 1974. These positions are allocated by fiscal year quarters.

During 1973 a full scale wage survey of the Dothan, Alabama area was conducted. Wages for blue collar workers at most Federal establishments within this area are based on wage data received from private industry during these surveys. The result of the Dothan, Alabama survey was a 7% increase for nonsupervisory wage grade employees, 6.5% increase for leaders, and 5.6% increase for supervisors, effective 7 October 1973.

The Incentive Awards Program, during Calendar Year 1973, paid out a total of \$6,145 in suggestion awards. There were no thousand dollar cash awards in 1973. During this same period of time, dollar benefits to the government totaled \$81,671. Suggestion submissions totaled 1,007. Twenty-one Certificates of Achievement were approved.

Mr. Clarence D. Downs, Department of Graduate Flight Training, was selected as Ft Rucker's Civil Service Employee of the Year - Fiscal Year 1973. As of the end of December 1973, 222 Outstanding Performance Ratings, 57 Quality Step Increases, and 69 Sustained Superior Performance Awards were approved. Cash awards for SSPAs totaled \$13,440.

On 21 September 1973, Department of the Army approved a renegotiated Agreement entered into by the US Army Aviation Center and Ft Rucker and American Federation of Government Employees, Local 1815, for a recognized unit which included all non-temporary GS

employees, excluding those in tenant activities. Excluded were management officials and supervisors. Approximately 1200 employees were included in the unit.

### RECREATION SERVICES DIVISION

#### PERSONNEL

MAJ Gerald R. Worthington replaced LTC Glenn E. Miller as Recreation Services Officer on 15 Jan 73. MAJ Worthington has continued as Recreation Services Officer throughout the year.

The following personnel assignments were made during CY 1973:

MAJ Gerald R. Worthington, Recreation Services Officer, 15 Jan 73.  
CW2 Howard M. Sweatt, Property Book Officer, 15 Jul 73.  
CW2 Norman Frei, Assistant Manager, Golf Course Pro Shop, 1 Oct 73.  
CW2 Anthony Steliga, Crafts Director, 26 Nov 73.

The following personnel departed during CY 1973:

LTC Glenn E. Miller, 14 Jan 73  
CW2 Bobbie E. Malone, 5 Jun 73  
CW4 Martin J. Hord, 27 Jul 73  
CPT James E. Burke, 1 Oct 73  
CPT Terry R. Ryland, 6 Nov 73  
CW2 Daniel J. Ebbecke, 8 Nov 73

#### ORGANIZATION

In accordance with TWX 214202Z Jul 73 DA (TAGCEN) Washington, D.C. DAAG-EMR and TWX 171347Z Aug 73 TRADOC Ft Monroe, Virginia, Subject: Redesignation of Special Services, Special Services Division was redesignated as follows:

Recreation Services Division (Formerly Special Services)  
Sports and Athletic Training Branch (Formerly Sports)  
Recreation Center Branch (Formerly Service Club)  
Music and Theatre Branch (Formerly Entertainment)  
Library Branch  
Arts and Crafts Branch  
Dependent Youth Activities Branch  
Outdoor Recreation Branch  
Theater

#### ACCOMPLISHMENTS

##### SPORTS AND ATHLETIC TRAINING BRANCH

The TUSA Volleyball Clinic was hosted by Ft Rucker. The Ft Rucker Men's and Women's Post Basketball Team participated in the TUSA Basketball Tournament hosted by Ft Gordon, Georgia. The TUSA Team Handball Clinic was hosted by Ft Rucker. The Softball Clinic was hosted by Ft Benning, Georgia. Ft Rucker was represented by both men and women in the TUSA Small Games Tournament hosted by Ft Bragg, North Carolina. Ft Rucker was represented in the TUSA Tennis Tournament hosted at Fort Bragg, North Carolina. LT Read won the Women's Single Division Tournament in Tennis. The football field and golf course automatic watering system was completed in December 1973. Construction began on the new Field House and Swimming Pool in March 1973 and is scheduled to be completed

in July 1974. The Center Swimming Pool was re-opened in April 1973. Twelve pinsetter machines in the Bowling Lanes were replaced. The Bowling Lanes were re-surfaced in October 1973. The Bowling Pro Shop was re-opened in October 1973. The Sports Office was moved to the Field House in March 1973. The Commander's Trophy was presented to Headquarters Company, 46th Engineer Battalion in Nov 73.

#### OUTDOOR RECREATION BRANCH

The main PX Building at the Florida Recreation Area was completed in July 1973, but was never opened. The boat basin was dredged and a sea wall was constructed by the 46th Engineer Battalion. This was completed in October 1973. The 46th Engineer Battalion made minor repairs to several trailers at the Florida Recreation Area. Funds were allocated to purchase new patio sets, dinette sets, twelve small boats and new playground equipment for the Florida Recreation Area. The Charter Boat is scheduled for annual overhaul in January and February 1974. Work has begun on the latrines, bath-houses and campsites at Lake Tholocco and Engineer Beaches and is scheduled to be completed in April 1974. Funds were allocated to purchase new playground equipment for Lake Tholocco. The 46th Engineer Battalion moved two buildings to the Skeet Range. One of these buildings will be used for resale and reloading and the other will be utilized as a Club House.

#### RECREATION CENTER BRANCH

In addition to the regular self-directed activities, a variety of programs was presented to the personnel attending the Recreation Center. Professional stage shows included "Little Richie", "Otis Jackson", "The Human Dynamo", "Boggie Rock Band", "Mr. Zodiac", "Ernie Bivins", "Rock and Roll South", "Dr. Bianchini Hypnotist", "Zocci, the Magician", "Big Bounce with Big Daddy", "The Platters", "Deep Gap Concert Rock Band", "Doug Money & the King Four", "Paul Caldwell and the Caldwells", "Brian Hyland", "Lewis Scott Harlem Revue", music from the 98th Army Band Combo and "Rod Masters, Illusionist." Sports shows included The Texas Cowgirls' comedy basketball team, professional live wrestling, professional billiard exhibition and judo exhibitions. Special programs for holidays and variety shows included the Navy Steel Band, Heel and Toe Square Dance, "The Messiah", the Cadet String Quartet, The Battle of the Bands Finals, the Salem Missouri High School Band and Jazz ensemble. Trick Dog and Magic Show, Military Gaming Demonstration, Drug Rap Sessions, College/Professional Football on the Telebeam, Monthly Coffee Call for the WOC Wives' Club with special support from the Center during their Thanksgiving Holiday. Yearly attendance dropped from 1972 due to many factors such as Post Troop Reductions, professional staff strength decrease due to overseas transfers, irregularity of transportation to and from the Recreation Center and the remoteness of the Recreation Center from troop areas. Attendance dropped appreciably during the summer months but began to increase again as troop transfer from Ft Wolters began to take effect and professional staff vacated positions were filled toward the latter part of the year. Increase in foreign national troop strength also added to late increase in attendance. The year 1973, as of 10 Dec 73, had a participation figure of 110,523 and anticipates a total of over 118,000 by the end of the year.

As a result of years of planning and effort, the ground breaking ceremonies were held on 5 Mar 73 for the new Ft Rucker Recreation Center located on 5th Avenue. The new building is a multi-level reinforced concrete and brick veneer of contemporary design with an inclosed area of 29,495 square feet and an outside adjacent functional recreation area of over 26,000 square feet for a combined available area of over 55,000 square feet. The ideal location of the new Recreation Center, centralized with the troop area, undoubtedly will increase the attendance in the coming years as it will alleviate the transportation problem. Estimated opening of the new Recreation Center is Spring of 1974.



DEPENDENT YOUTH ACTIVITIES



#### LIBRARY BRANCH

A nonappropriated fund grant from Department of the Army was approved for a library facility of 14,400 square feet for Ft Rucker. The \$438,632.00 contract was awarded to Walden and Lunsford Construction Company of Enterprise, Alabama. Construction of the new library started in July 1973 and is scheduled to be completed in April 1974. The two military spaces were converted to civilian spaces to provide two civilian Library Technicians for the Library. Library services have been improved with increased hours of operation and with significant increase in the quality and quantity of the book collection. Approximately 1500 books were obtained from Ft Stewart with the closing of Hunter Branch Library. Approximately 7000 cloth-bound books were added to the Center Library collection during the CY 1973.

#### ARTS AND CRAFTS BRANCH

Classes were held in oil painting, copper enameling, jewelry casting and pottery in CY 1973. Classes in the application of ceramic stain were conducted for personnel who had never worked with ceramics. The Photo Shop conducted classes in development of black and white film. The Wood Shop conducted classes in the proper use of tools and equipment. The Automotive Shop conducted classes in the proper use of hand tools and equipment. Instructions were given on engine rebuilding, transmission rebuilding and brake assembly.

#### DEPENDENT YOUTH ACTIVITIES BRANCH

A total of 580 youths, ages 7-17, competed during the baseball season, which ended in July 1973. A total of 115 youths, 27 girls and 88 boys, have registered for the basketball season. A golf Clinic was conducted in the month of Aug 73. The Football Program with a total of 310 youths entered, 33 girls and 277 boys, was conducted from August through December 1973. The AAU Swim Team participated in six meets during 1973. A total of 168 youths participated in the six meets. The Winter Bowling League is scheduled for each Saturday morning and participation is expected to be high. The Judo Program has a large class and is very successful. Classes conducted at the Youth Center include acrobatics, Baton, Dance and Guitar. These classes have been very successful. There were 1442 Youth Activity Cards sold during 1973. Participation for Dependent Youth Activities for 1973 was 248,170.

#### RACE RELATIONS/EQUAL OPPORTUNITY DIVISION

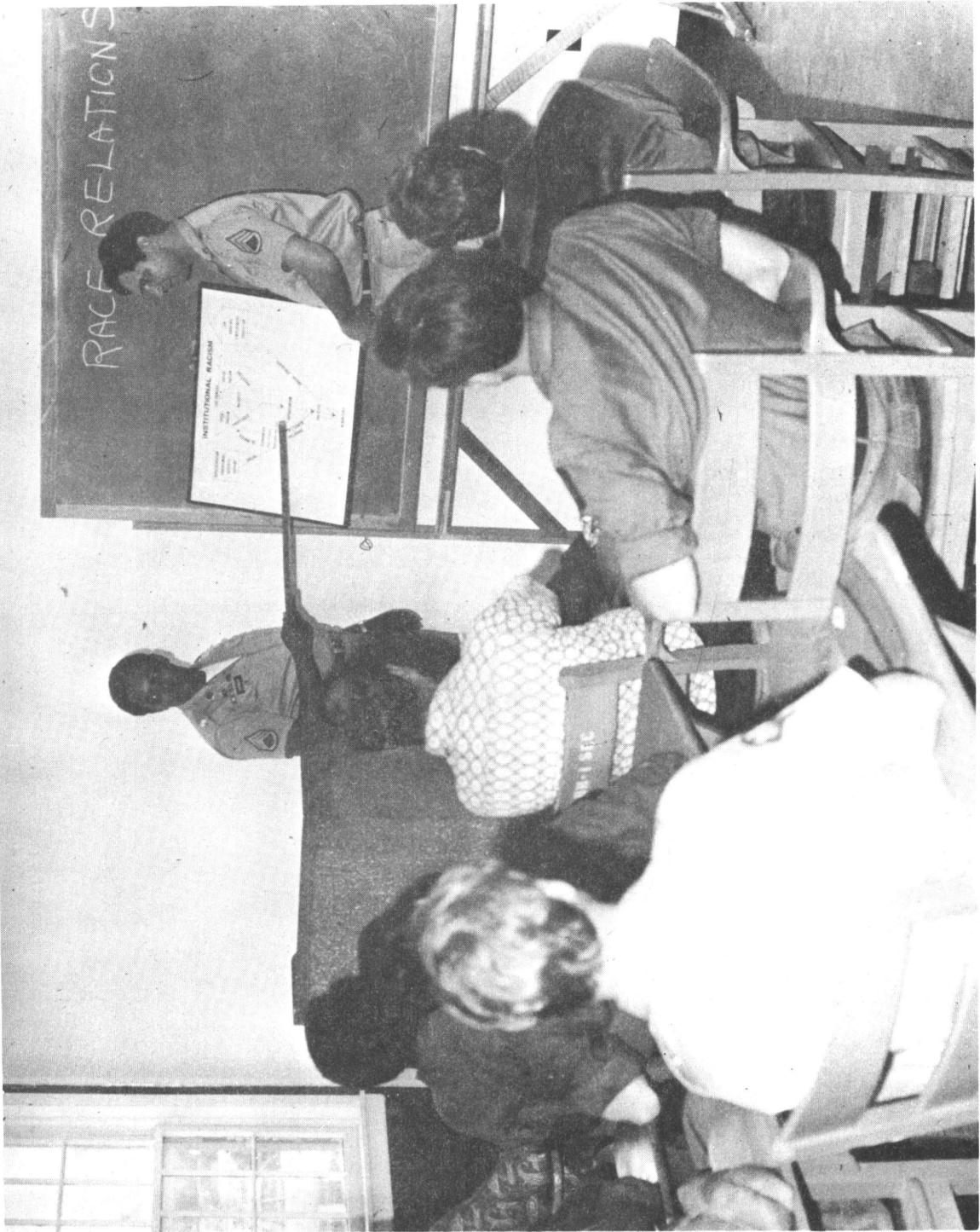
##### PERSONNEL

On 24 September 1973, LTC Spencer assumed duties as Chief, Race Relations/Equal Opportunity Division.

##### ORGANIZATION

In September 1973, Race Relations/Equal Opportunity was reorganized under TDA TCWOU9AA. Branches within Race Relations/Equal Opportunity Division are as follows:

Education and Training Branch  
Equal Opportunity Operations Branch.



## ACCOMPLISHMENTS

### EDUCATION BRANCH

In January, the RR/EO office began instructing race relation classes for the Warrant Officer Career College at both the intermediate and advance levels. During this time, Race Relations training was initiated with the NCOES and NCOAS program. By 30 January, completion of four hours of Race Relations training for all permanent party E6's had been accomplished. In February research for the 18 hour Racial Awareness Program lesson plan was initiated and ready for implementation by May. In May training was extended to the Senior Commanders Course. Race Relation/Equal Opportunity personnel monitored and participated in numerous unit RAP sessions covering race relation topics.

From January through June the RR/EO office assisted 46th Engineer Battalion in Race Relation training as a part of their Human Relations program.

In September, the RR/EO office was expanded into a division with two branches. The Education Branch immediately began implementing a seven hour race relations orientation program for leaders. In December the Education Branch initiated an 18 hour Racial Awareness Program for DAC civilians.

### OPERATIONS BRANCH

Between January and December of this year the Operations Branch monitored two housing complaints, one accommodation complaint, 12 informal complaints which resulted in one case being placed on restrictive sanctions.

In January, the RR/EO office wrote and implemented the first installation level affirmative action plan designed to promote the Commanding General's racial harmony program. During this time, the RR/EO office hosted Colonel Frazier, Director of Department of the Army's Equal Opportunity Program. In February and March, the RR/EO personnel assisted unit commanders in resolving racial problems, and assisted the post race relations council in resolving problems of a racial nature. From June to September, the RR/EO office hosted several research teams and visiting dignitaries to include Dr. Thomas from Army Research Institute at DA, and Colonel Frazier, DA, Director of RR/EO.

In September the RR/EO office was expanded into a division with two branches. On 20 November, the EO Operations was filled by hiring a GS-11 operations officer. Work was immediately initiated to revise USAAVNS Reg 600-21 and USAAVNC Cir 600-5. A TRADOC Conference (27 - 29 November) was held and plans were formulated for overall education and operations objective for the coming year.

## PROVOST MARSHAL DIVISION

### PERSONNEL

During the calendar year 1973, the Office of the Provost Marshal experienced a complete turnover of officers. Lieutenant Colonel F. D. Turner, Jr. assumed Provost Marshal duties from Colonel Paul R. Atherton in August 1973. Captain Harry E. Potts moved from operations officer to Deputy Provost Marshal, and Major Thomas G. Moody moved to Ft Riley, Kansas. First Lieutenant Charles D. Duke moved from executive officer to company commander of the 141st Military Police Company, and Captain Ronald E. DuBay departed Ft Rucker for the Military Police Officer Advanced Course, Ft Gordon, Georgia. Senior noncommissioned officers also experienced changes as Sergeant Major Emmitt D. Simmons replaced

Sergeant Major Edmond A. Pinault in December 1973. Master Sergeant Thomas M. Shumaker assumed the duties of operations sergeant in December 1973 that Staff Sergeant Malcom A. Wilson had been filling.

ORGANIZATION

The Provost Marshal's Office is organized into the following sections:

- Provost Marshal
- Deputy Provost Marshal
- Military Police Investigation
- Physical Security
- Operations

The 141st Military Police Company received a new TOE in July of 1973 changing the unit's assigned strength from five officers and 78 EM, a total of 83, to two officers and 81 EM, bringing the total to 83.

Sentinel Protective Services received the civilian guard contract for Ft Rucker at a cost of \$941,884.95. It is composed of 101 guards, eight sergeants, three lieutenants, one captain, and one chief of guards, with the responsibility of patrolling airfields, post money escorts, consolidated arms rooms, and post buildings security checks. The contract was let through the Small Business Association for the second year rather than open bids.

ACCOMPLISHMENTS

During 1973 the 141st Military Police Company received various items of new equipment in support of the Provost Marshal commitments. The unit received 10 new police equipped Ford sedans equipped with Mars twin blue light systems. The 141st Military Police Company also received 10 new Motorola vehicle mounted radios to be used in the new patrol cars. A new dimension in control of speeders at Ft Rucker was accomplished with the addition of two hand held radar speedguns.

The Vehicle Registration Section had a complete reorganization when it moved from Building 8745 to Building 5702 with the new centralized In-Processing Complex at Ft Rucker. The section has three windows to serve Ft Rucker, and a recent purge of the listing using the new data processing method resulted in 9000 items being cleared. At the close of 1973, the vehicle registration statistics indicate:

	<u>Registered</u>	<u>Cleared</u>
vehicles	15,434	14,633
motorcycles	485	309
bicycles	568	16
weapons	1,492	353
boats	413	44
trailers	391	41

The Military Police Investigation Section, Office of the Provost Marshal, consists of four investigators and one OIC. All four of the investigators have been to the Military Police Investigation School at Ft Gordon, Georgia. The current MPI Section has one of the better subject identification rates in CONUS with a 28 percent. The MPI Section investigated the following incidents during the calendar year 1973.

assaults	13
larceny of Government property over \$50	109
larceny of Government property under \$50	124
larceny of private property over \$50	22
larceny of private property under \$50	92
vandalism	52
unlawful entry	20
harassing/obscene phone calls	35
prowler	16
other	43
Total	<u>526</u>

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

unsecured building reports	116
annual survey/inspections	108
follow-up inspections	24
courtesy inspections	9
special hasp tests	39
Total recorded actions	<u>296</u>

The Game Warden Section, staffed with a five man team during the summer months of 1973, was increased to a 13 man team during the annual deer hunting season. Personnel resources were provided by on post units and the 141st Military Police Company. During the deer hunting season, the Office was open from 1½ hours before sunrise to 1½ hours after sunset. In addition, a night patrol was added to help control poaching on Ft Rucker.

#### Administration

hunters signed out for hunting	15,046
annual hunting/fishing permits sold	3,031
daily fishing permits sold	776
daily hunting permits sold	615

#### Reported Kills

deer	626
squirrel	1,247
rabbit	173
quail	2,279
turkey	15
dove	309

The Traffic Section was greatly reduced in 1973 from nine men to two men. The road patrols began investigating traffic accidents in March, and the Traffic Section finalized the accident reports. In addition, the section handled traffic control points at the post elementary and primary schools and handled special commitments. There was an increase in the number of accidents investigated this year from 333 in 1972 to 380 in 1973. The majority of the accidents were minor backing accidents with high incident rates at the Main PX area and Lyster Army Hospital parking lot.

AWOL Apprehension, during 1973, processed and returned to military control 750 absentees, compared to 912 absentees for 1972. At present, they have three teams (one in Jackson, Mississippi; Mobile, Alabama; and Ft Rucker, Alabama). In 1973 the AWOL Apprehension Section used the PCF facilities at both Ft Benning, Georgia, and Ft Gordon, Georgia.

Operations, in May of 1973, began use of the new Center Regulation 190-5. The new regulation is more specific and definitive of the traffic code for Ft Rucker. The Operations Section forwarded for action the following reports:

Military Police Report, DA Form 3975	2,509
Armed Forces Traffic Ticket, DD Form 1408	5,147
Post Driving Privilege/Suspension	165

In addition, an estimated 8,500 other miscellaneous administrative papers were processed.

There have been marked improvements in the Provost Marshal's Office in 1973. One major improvement is in the area of school trained military policemen. In the past a large number of slots were filled with personnel with an aviation MOS, but in 1973 the majority of the military policemen were school trained at Ft Gordon, Georgia.

Crimes of violence and serious crimes against property have been on the decline in 1973, while minor crimes against property and traffic accidents had a slight increase. All in all, the Provost Marshal's Office considers calendar year 1973 as being a successful year.

## DIRECTORATE OF PLANS, TRAINING, & SECURITY

### ORGANIZATION

The directorate is organized into the following divisions:

Airfield Operations  
Plans and Operations  
Training/Range Division  
Force Development Division  
Security Division

In addition the following agencies are assigned to DPTSEC:

Training Aids Service Office  
U.S. Army Aviation Museum  
Detachment 9, 16th Weather Squadron (MAC) - (Staff Supervision)

### MISSION

Direct all plans, operations, range, training, security, training aids, and force development operations. Direct activities of the Airfield Operations; U.S. Army Aviation Museum; 98th Army Band; and maintenance of all permanent party and student flight records. Exercise staff supervision over Detachment 9, 16th Weather Squadron (U.S. Air Force).

### PERSONNEL

Director	COL Harold T. Smith	Oct 1970 - Sep 1973
	LTC Stephen W. Stith, Jr.	Sep 1973 - Present
Deputy Director	LTC Stephen W. Stith, Jr.	12 Jun 1972 - 20 Sep 1973

### AIRFIELD OPERATIONS

#### 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 60% during the year, and the end of the calendar year saw Airfield Operations operating at 86% of assigned strength.

#### ORGANIZATION

Airfield Operations organization is designated by GO #566 and functions within the USAAVNC. Administrative control of the troops is under HQ Command. Operational control is under DPTSEC. Companies E and F, HQ Command, 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.

#### 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.

#### ACCOMPLISHMENTS

Aviators assigned to Airfield Operations flew a total of 2,577 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.

Consolidation of Ft Wolters and Ft Stewart aviation training was completed during 1973. During the previous year, reduction in forces and training requirements culminated in closing of five stagefields, Longstreet, Tabernacle, Skelly, TAC-X, Hatch; and two basefields, Shell AHP and Knox AHP.

Increased support for the additional training being assigned to Ft Rucker was identified and a program for allocation of airspace and access route structures to designated areas of operation was started in early 1973. This action resulted in total reconfiguration of airspace within a 50 nautical mile radius of Ft Rucker to facilitate specialized types of flight training. Four areas were designated for nap-of-the-earth training with considerable public relations activities to enlighten residents of nearby communities to proposed training.

Designation of Hatch, Toth, Allen, and Highbluff Stagefields for initial entry flight training necessitated access routes be designed to afford maximum safety commensurate with training requirements within the congested areas of base airfields.

A total of 13 stagefields and 4 basefields were actively in use during 1973 for the Aviation School training. Stagefield openings were scheduled to coincide with progression of the first initial entry aviator class. Six stagefields, Skelly, Tabernacle, Allen, Toth, Highbluff, and Knox; and Shell AHP were opened on time, resulting in no delay in the next phase of training being experienced.

#### INSTRUMENT AVIATOR QUALIFICATION DIVISION

The Instrument and Aviator Qualification Division aviators flew a total of 2,577 hours administering training to permanent party personnel of Ft Rucker in the T-41B, T-42A, U-8D, OH-58A, and UH-1B and H aircraft. This included 81 instrument rating renewals in rotary and fixed wing aircraft. The USAAVNC C-47 received 21 flight requests during 1973 in support of the US Army Aviation Precision Demonstration Team flying 179 hours and transporting 498 passengers and 170,700 pounds of cargo. The C-47 received 27 flight requests in support of the USAAVNC and USAAVNS. A total of 251.5 hours were flown, transporting 366 passengers and 93,681 pounds of cargo. The division conducted a training program for the upgrading of tactical instrument ratings to standard for aviators assigned to USAAVNC.

### ARMY RADAR APPROACH CONTROL

In its annual sector evaluation, the FAA's Jacksonville, Florida, Air Route Traffic Control Center characterized Cairns ARAC and its controllers as "the favorite on the West side" attributable to a "can do" attitude. This attitude prevails even though the highly complex air traffic environment generated 131,848 instrument operations during CY 73.

In order to keep abreast of the changing air traffic situation, a new North Sector was devised and implemented to provide an even safer and more efficient distribution of air traffic.

Automation is just around the corner as contractual negotiations were completed for the Automated Radar Terminal System (ARTS III) with a delivery date of April 1974. A Data Systems Officer and two Data Systems Specialists were selected and trained at the FAA's Aeronautical Academy in Oklahoma City. In addition, automated flight data processing equipment was purchased and will be installed in January 1974 as the first step in terminal automation.

In keeping with the need to continually upgrade services and equipment to keep pace with improvements in the National Airspace System, the following actions were accomplished:

- a. Completed installation of Instrument Landing System at the Dothan Municipal Airport.
- b. Implemented new Copter Instrument Approach to Dothan Municipal Airport.
- c. Modified all Copter Instrument Approaches.
- d. Revised Letters of Agreement with Jacksonville ARTC, Montgomery Approach Control, Troy Tower and GCA, and Dothan Tower.
- e. Revised Jacksonville ARTCC, Atlanta ARTCC, and Cairns ARAC interfacility radar handoff agreement.
- f. Implemented new Instrument Approach Procedure to the Blackwell Municipal Airport.
- g. Established new Special VFR routes and Stagefield Special VFR procedures.
- h. Established ATC procedures for Hayes International Corporation military jet test flights.
- i. Participated in planning and implementation of a complete realignment of Fort Rucker airspace to accommodate primary flight training.
- j. Revised, updated, and established Standard Instrument Departures for the Fort Rucker complex.

Cairns Central Control Facility (HUB Control), co-located with the ARAC, had a total traffic count of 54,600, giving the two facilities a combined total of 186,448 operations.

This past year, 1973, has been another year of change for HUB Control. With the movement of the 72d Avn Co to Ft Bragg in June, Airfield Operations assumed the responsibility for manning HUB. In August, the mock airway system was revised and extended to accommodate the faster airspeed of the UH1. HUB has assumed an additional task of maintaining a communications relay between the ARAC and stagefields to provide up-to-date weather information to all facilities during rapidly changing IFR conditions.

#### BASE AIRFIELD SUPPORT DIVISION

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

#### CAIRNS ARMY AIRFIELD

The traffic count for the year totaled 277,821 operations. A total of 765 VIP's arrived and departed Cairns AAF during the year. The aircraft fleet assigned at Cairns AAF has remained stable throughout 1973 with a beginning strength of 130 and a closing strength of 132. This represents a combination of fixed and rotary wing aircraft. During the month of March 1973, the Crash Rescue Section (Flatiron) was moved from the second floor of Bldg 101AB into a mobile home for a more responsive and safer operation. The Armed Forces celebration at Cairns AAF was subdued from years past due to the cost reduction programs in effect; however, an excellent glider demonstration was presented by CPT Delaurenti and CW3 Spitzer of Airfield Operations, and the Ft Rucker Sport Parachute Club gave an excellent sky diving demonstration.

#### HANCHEY ARMY HELIPORT

Hanchey AHP traffic count for 1973 was 107,020. The Flight Dispatch processed 44,834 flight plans. This is a reduction from 1972 activities and is attributed to reduction-in-force, relating to reduced initial entry student classes.

Hanchey Operations was host to 898 visiting personnel and conducted tours for Moms and Pops, Wives, Junior and Senior High School Students, 71P Students, and Cub and Boy Scout groups.

Primary flight training traffic patterns were designed for the west side of Hanchey parking area, providing maximum safety from large aircraft stationed on the east parking ramp.

#### SHELL ARMY HELIPORT

Shell AHP officially reopened as a basefield to support the Department of Primary Flight Training in TH-55 aircraft on 3 October 1973. A traffic count of 16,047 and a total of 4,907 flight plans have been processed since activation of the Army heliport. DFAE completed numerous job order requests to include the installation of 167 tie downs and testing of all POL grounding points to support the TH-55 parking plan.

#### LOWE ARMY HELIPORT

Lowe AHP recorded 150,468 operations during 1973. This is a slight reduction in total operations recorded for the previous period. This reduction is attributed to reduced

aviator training requirements commensurate with reduction-in-force policy.

Consolidation of training from Ft Stewart, Georgia, to Ft Rucker, Alabama, included the AH-1G armed helicopter. The west ramp was designated for armed helicopter parking. Security for the armed helicopter parking area is provided by 24-hour guard services.

Operations at Ech Stagefield and Lowe AHP departures to the north of Lowe constituted a traffic confliction. This was alleviated by restructuring Lowe north departure to remain south of Christian Road and Ech S/F AH-1G traffic to remain north of Christian Road.

#### TROY AIRFIELD

Troy Municipal Airport is operated by the US Army as a basefield. This airfield is fully FAA instrumented and is a primary location for advanced instrument training activities. A total traffic count of 51,084 was logged for the year, and 6,200 radar approaches were made. The addition of IFF/SIF service was implemented in March 1973. This service provides a greater margin of safety in both IFR and VFR operations.

#### GROUND RADAR AIRFIELD SUPPORT DIVISION

GRAFS Division's area of responsibility includes all training navigational and landing aids within a 60-mile radius of Ft Rucker. Esto GCA site was opened and operational on 2 June 1973. This landing aid provides services to DUFT aircraft training on the mock airway system.

On 4 May 1973, GRAFS Division received a mission to prepare Knox, Tabernacle, Longstreet, Louisville, Skelly, TAC-X, Hatch, and Goldberg Stagefields for opening to support additional flight training of Ft Wolters and Ft Stewart to be transferred to Ft Rucker. Work required to open Longstreet, Tabernacle, and Goldberg Stagefields was completed by 16 July 1973. Allen Stagefield was closed on 29 June 1973, and this training moved to Hunt Stagefield effective 2 July 1973. Toth Stagefield was closed on 29 June 1973 and Toth training moved to Goldberg Stagefield effective 2 July 1973. Toth Stagefield reopened 9 July 1973 after rehabilitation to accept TH-55 aircraft. Tabernacle Stagefield was opened 16 July 1973 to accept DSIT training. Highbluff Stagefield was closed 3 August 1973, and remained closed until 8 October 1973, at which time it was opened to accept TH-55 aircraft. Allen and Hatch Stagefields were opened 1 September 1973 to accept additional TH-55 aircraft. Knox Stagefield was opened 24 September 1973 to accept TH-55 training.

Changes in the flight training prospectives deleted a requirement for Skipperville and Columbia GCA sites. Skipperville GCA was decommissioned 21 September 1973, and Columbia GCA on 27 March 1973. TAC-X Stagefield was opened on 19 November to accept the progression of TH-55 training. As of the end of 1973, Skelly Stagefield has been rehabilitated and will be ready to accept VNAF training when required.

#### PLANS AND OPERATIONS DIVISION

##### PERSONNEL

Chief, Plans and Operations Division: LTC John R. Sisk - retired 28 Feb 1973  
MAJ Thomas L. Martin - 4 Jan 1973 - 3 Mar 1973  
LTC George W. Harris - 1 Apr 1973 - Present

## ORGANIZATION

Operations Branch is organized under the Plans and Operations Division and prepares and conducts the Center/School Briefings for visiting dignitaries, directs the activities of the 98th Army Band and 46th Engineer Battalion, maintains and publishes the USAAVNC Supplements to Army Flight Regulations. The USAAVNC fleet consists of 32 rotary wing aircraft and 10 fixed wing for the use of the aviation personnel assigned to the Center who must maintain their CRF minimums.

During 1973 Plans and NBC Branch conducted operations from Building 5206 with an average strength of 3 officers, 1 NCO and 2 civilians.

## ACCOMPLISHMENTS

### PLANS BRANCH

The following mission plans were instituted in calendar year 1973:

During 1973 20 separate actions pertaining to emergency or contingency operations were prepared, coordinated, and published as plans, SOP's, regulations, or supplements. Additionally, this branch prepared 2 exercise directives to test Nuclear/Chemical Accident/Incident Control Plan. Daily situation reports and weekly communication tests were conducted in support of plan requirements. Periodic training of personnel assigned to the Chemical, Biological, Radiological Element was conducted to insure individual and organizational proficiency. Several one-time special projects such as Condition Alpha Study Group and Installation Guide were completed during the year.

During the period 7-15 March 1973 Ft Rucker participated in a classified Joint Chief of Staff Command Post Exercise. The purpose of the exercise was to rehearse policies, plans, procedures, and actions required in emergency situations.

USAAVNC Circular 10-1 (CONUS-Army Reorganization), dtd 16 May 1973, was published to provide general information to this installation in anticipation of receiving specific tasking requirements from TRADOC, FORSCOM and First US Army.

TRADOC and FORSCOM letters designated Ft Bragg to be responsible for nuclear/chemical accidents/incidents in an area that includes Southern Alabama, Southern Mississippi and Northwestern Florida.

EOC Improvement. National Warning System (NAWAS) became operational at Ft Rucker 24 May 1973. One extension is located in the Emergency Operations Center (Bldg 5206) and one in SGS office so that the Staff Duty Officer can monitor the net during nonduty hours. NAWAS is the Federal portion of the Civil Defense Warning System (CDWS). The State Warning Point is located in Montgomery, AL. As part of the CDWS, NAWAS will be used to disseminate attack warning information and alerts, to collect and transmit transattack and postattack information in the event of a nuclear attack. The system may be activated by local officials in locating downed aircraft or in the event of natural disasters.

In accordance with Third US Army General Order 228, dtd 16 May 1973, DPTSEC published a movement order (LO 600, dtd 13 Jun 1973) which transferred 72d Avn Co to XVIII Airborne Corps and Ft Bragg, Ft Bragg, NC.

USAAVNC/S Chemical/Biological/Radiological Element (CBRE) Plan, dtd 14 August 1973, was prepared in accordance with instructions from TRADOC and delineates procedures



ORGANIZATION

Training/Range Division is organized under the Directorate of Plans, Training and Security and provides for the efficient and economical training of units, individuals and activities located on Ft Rucker. Maintains and coordinates the use of the Ft Rucker Range Complex for student training, US Army Aviation Test Board, and Reserve Component Units.

ACCOMPLISHMENTS

The following units conducted Annual Training as indicated below:

<u>UNIT</u>	<u>COMPONENT</u>	<u>TRAINING DATES</u>
442d AG Pers Svc Co, Orlando, FL	USAR	19 May - 2 Jun
3343d US Army Hosp, Mobile, AL	USAR	2 Jun - 16 Jun
894th QM Co, Jackson, MS	USAR	2 Jun - 16 Jun
376th TC Co, Dothan, AL	USAR	2 Jun - 16 Jun
566th MP Plt, Opp, AL	USAR	16 Jun - 30 Jun
164th JA Team, Jackson, MS	USAR	2 Jun - 16 Jun
323d Med Det, Memphis, TN	USAR	16 Jun - 30 Jun
380th Med Det, Memphis, TN	USAR	16 Jun - 30 Jun
276th MP Plt, Opp, AL	USAR	16 Jun - 30 Jun
307th Avn Co (CH-54), Birmingham, AL	NG	16 Jun - 30 Jun
129th Med Hosp, Tuskegee, AL	USAR	7 Jul - 21 Jul
HHC, 231st MP Bn, Opelika, AL	NG	21 Jul - 4 Aug
214th MP Co, Alexander, AL	NG	21 Jul - 4 Aug
217th MP Co, Auburn, AL	NG	21 Jul - 4 Aug
Trp D, 1/230th Cav, Smyrna, TN	NG	28 Jul - 4 Aug
935th AM Co, Lake Charles, LA	USAR	5 Aug - 19 Aug

The installation hosted Reserve Component units on 16 occasions for an average of 275 personnel per month during CY 73. Support provided included administrative, logistical, medical, and range/maneuver areas. At the conclusion of 1973, the installation had four units active in the Mutual Support Program: 301st Finance Section; 1/131st Armor Bn; 1/117th Field Artillery Bn; and 851st Field Service Company.

During CY 73, 422 personnel from the installation attended Army Service Schools. Additionally, the post conducted OJT/AIT training for 245 personnel. A total of 228 attended the Noncommissioned Officer Academy at Fort Jackson, SC.

The new NRA Pistol Range near the intersection of Engineer and Hatch Road was officially opened by MG Allen M. Burdett, Jr., Commander, Ft Rucker, on 15 Jan. Among dignitaries who participated in a small bore match at the opening ceremony were Mayors and Police Chiefs of Ozark and Enterprise, AL, the Police Chief of Dothan, AL and a State Police representative. The Marksmanship Detachment continued to provide various high schools (JROTC), Junior NRA, Boy Scouts, and the Southeast Regional Police Academy (Region 7) with classroom and range instruction and range facilities. USAAVNC Suppl 1 to AR 350-6 was published and distributed 20 Jun. The significance of this supplement was to transfer responsibilities for manning and operating the Marksmanship Detachment from Headquarters Command to Co E, 30th Inf, 46th Engr Bn. Completion of this transfer was accomplished during Jul and at that time the Marksmanship Detachment became known as the Marksmanship Training Unit.

The Mobile County School System, consisting of 14 schools, conducted a two week summer camp on the installation during the period 8-21 Jul. Approximately 125 JROTC cadets and instructors attended the camp which was the only encampment to be conducted in the former Third US Army Area.

The Fifth Annual AUSA Wiregrass ROTC Rifle and Drill competition was supported by the installation during April. Approximately 417 competitors and associated personnel comprising 23 drill teams and 17 rifle teams participated. Support included billets, mess, competition judges and drill and range facilities.

On 21 August, TH-1G aerial gunnery training commenced at the Ft Rucker Range Complex as a result of Consolidation. Range utilization increased approximately 150 per cent. AR 385-63, Feb 73, which will become effective 1 Jul 74, imposed more restricted measures in the case of the 2.75 IN FFAR surface danger zone. The larger range fan made it necessary to move the Blacksmill Range firing lane approximately 500 meters and to close Longstreet Range and Stagefield.

#### FORCE DEVELOPMENT DIVISION

##### PERSONNEL

Division Chief	MAJ Normal R. Gill	- 1 Jan - 9 Aug 1973
	LTC George E. Leaf	- 10 Aug - Present

##### ORGANIZATION

The USAAVNS Manpower Control element, previously under operational control of Force Development Division from Secretary, USAAVNS, was relocated in May to the newly organized Office of Management and Budget, USAAVNS.

##### ACCOMPLISHMENTS

Implementation of the Army Civilianization Program (ACP) commenced in June. The calendar year quota of 185 personnel spaces for USAAVNC was met either by excess on-board personnel or new hires.

Input of Expanded Use of Additional Skill Identifiers (Project EASI) for officer MOS was submitted to TRADOC and FORSCOM in September and December, respectively. Project EASI, as a part of the development of the Officer Personnel Management System (OPMS), is a method for identifying officer specialties in authorization documents, requisitions, and officer records.

Manpower actions pertaining to the consolidation of Aviation training at Ft Rucker from US Army Primary Helicopter School, Ft Wolters, Texas, and the USAAVNS Element at Hunter Army Airfield, Georgia, were accomplished during the last half of the calendar year. Final phase of the consolidation from Hunter was completed in July; from Ft Wolters in November.

USAAVNC Regulation 10-1, Organization and Functions Manual, was published in December. It reflected various organizational changes resulting from the Army's reorganization under the STEADFAST concept.

TAADS documentation was completed for conversion of selected USAAVNC/S TDA Prefix 6 positions to Prefix X. Commissioned officers (Aviators) occupying Prefix X positions are not authorized to perform flying duties if they have logged 1500 or more hours of total military flight time.

A total of 20 TOE/MTOE actions were accomplished for the STRAF and General Support units at Ft Rucker. Twelve TDA/MTDA actions were accomplished; eight for USAAVNC, four for USAAVNS. These actions primarily involved alignments of manpower allocations and troop reduction programs.

Major realignments/organizational changes made during the year were:

a. April - The Property Disposal activity, previously under DIO, was placed under the Defense Supply Agency and became a tenant activity.

b. June -

(1) The 72d Avn Co (ATC) was transferred to Ft Bragg, NC. This resulted in a loss of 340 military spaces from Ft Rucker.

(2) Marksmanship Det (Prov) was transferred from Hq Command to the 46th Engineer Battalion.

c. July -

(1) The Directorate of Reserve Components was established for the purpose of providing Reserve Component commanders within Ft Rucker's geographic area of responsibility a single point of contact on Reserve Component matters to include administration, training, logistics and associated support functions.

(2) The 427th Med Co (Amb) was transferred from MEDDAC to the 46th Engineer Battalion.

(3) The Third US Army Training Aids Center was consolidated with the Audio-Visual Systems Division, previously under DC-E, and placed under DPTSEC as the Training Aids Service Office.

(4) The Directorate of Communications-Electronics, except for audio-visual functions, was realigned under the US Army Strategic Communications Command (USASTRATCOM) as the USASTRATCOM Agency, Ft Rucker. On 1 Oct, USASTRATCOM was redesignated US Army Communications Command (USACC) and the USASTRATCOM Agency as USAAC Agency. The Commander of the USACC Agency also serves as the Director of Communications-Electronics on the installation commander's staff.

(5) The installation's Medical Department Activity (MEDDAC), to include Lyster Army Hospital, was realigned under the US Army Health Service Command (USAHSC). The Commander, MEDDAC also serves as the Director of Medical Activities on the installation commander's staff.

d. December -

(1) Hq Command, USAAVNC was redesignated Hq Battalion.

(2) WAC Company of Hq Command was redesignated A Company.

#### SECURITY DIVISION

##### PERSONNEL

Chief - Mr. Marion E. Hill

1 Jan - 31 Dec 73

##### ORGANIZATION

The Security Division is organized 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 11,956 security clearance actions; conducted 187 security inspections; denied, suspended, or revoked 3 security clearances; and, received and processed 1,186 documents classified SECRET or higher. There were no reportable security violations at Ft Rucker, AL, during this reporting period. There were 216 classified reports submitted IAW AR 381-155(U).

#### TRAINING AIDS SERVICES OFFICE

##### PERSONNEL

Training Aids Services Officer - Mr. Jimmy L. Goodson

##### ORGANIZATION

As a result of the activation of United States Army Training and Doctrine Command and the change in CONUS Army mission, the Third U.S. Army Training Aids Center, DC-E Photographic Laboratory, and the DC-E Audio Visual Support Center merged on 1 July 1973 to become service activities of the Training Aids Services Office, TASO. The TASO provides a single point of contact for coordination of training aids activities, including graphics and devices - Training Aids Center Division; films, projection equipment, and sound services - Audio Visual Support Branch. The TASO is responsible for centralized training aid/audio-visual multi-media selection consultation service, control and distribution of work requests, coordination and control of priorities, quality control assurance, and responsive service. The TASO provides training aids support for the United States Army Aviation Center, the Reserve Forces, and ROTC units in the southern half of Mississippi, southern half of Alabama, and ten 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. Additional services are available in support of Army aviation subjects taught in military installations throughout the world.

ACCOMPLISHMENTS

Training Aids Center Division:

<u>Branch</u>	<u>Work Units</u>
Graphics Branch	158,430
Devices Branch	11,688

\*Audio Visual Systems Division:

<u>Branch</u>	<u>Work Units</u>
Audio Visual Support Branch	81,800
Photographic Support Branch (negative equivalent)	393,668

\*Six-month information only

USAAVN MUSEUM

PERSONNEL

Mr. William A. Howell continued to serve as Curator of the Museum.

ORGANIZATION

The Museum is organized to provide a history of Army Aviation through artifacts, pictures, documents and representative types of aircraft.

ACCOMPLISHMENTS

The Museum had 91,758 visitors during the Calendar Year 1973. A total of 165 groups consisting of public school children, college students, high school and college ROTC, 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 1973 totaled 189, ranging from small personal items to complete aircraft. Some of the more notable items acquired were:

- a. AH-56A "Cheyenne" helicopter
- b. YOY-1 "Mohawk" airplane
- c. YUH-1D Huey "Iroquois" (This is the breadboard "H" Model)
- d. UH-1B Huey "Iroquois" (Was one of the first UH-1B's to be modified for the adaptation of armament systems.)
- e. 1942 Mack Fire Truck (Was one of the first "pumpers" received by the Fire Department and was in service on Ft Rucker until August 73.)
- f. Memorabilia from the 1st Aviation Brigade, Vietnam
- g. O-1A "Bird Dog"
- h. TH-13T "Sioux"
- i. 11 paintings of eras of Army aviation history featuring aircraft of the time. Donated by the artist - Steve LeBailey
- j. POW Repatriation Uniform - Vietnam

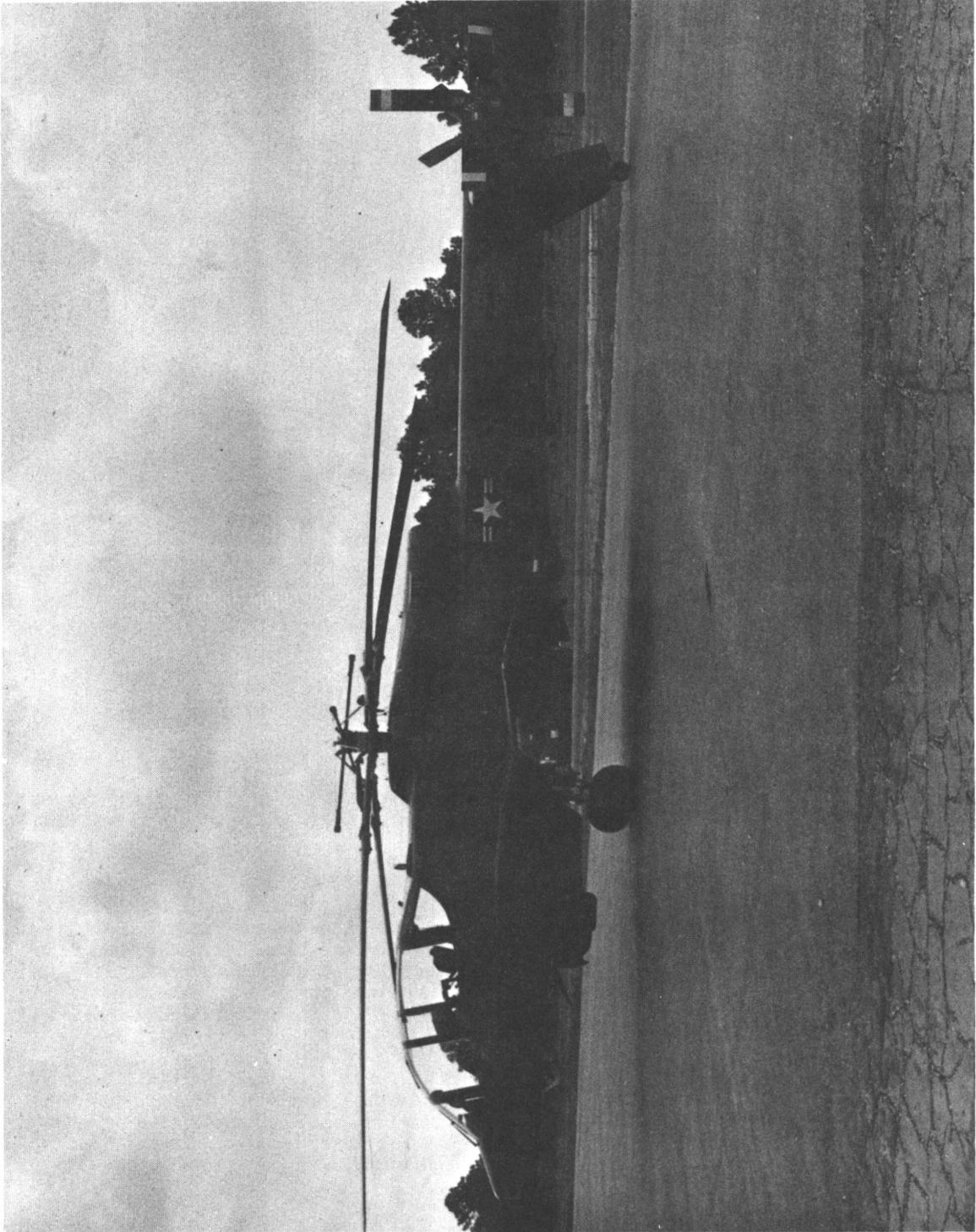
New displays consist of 10 additional aircraft and a display of approximately 40 unit plaques of the Vietnam era.

Some of the more prominent visitors to tour the Museum during 1973 included.

- a. MG J. Milnor Roberts, Jr., Chief, Army Reserves, Wash, DC
- b. BG Henry Band Brodie, Senior Liaison Officer (Army) Canadian Defense Liaison Staff, Wash, DC
- c. Air Commander McNamara, Royal Australian Air Force
- d. Mr. Harry J. Gray, President United Aircraft Corp., and Mr. Wesley Kuhrt, President Sikorsky Aircraft division of United Aircraft Corp.
- e. MG & Mrs. Jonas L. Blank, Air Force Assistant Deputy Chief of Staff Systems and Logistics, Wash, DC
- f. Mr. Robert Q. Old, Staff Member, Senate Armed Services Committee, Wash, DC
- g. CPT Ben Ringsdorf, POW
- h. Mr. John S. Leak, BG Robin Olds, & BG Charles Yeager, Wash, DC
- i. Colonel Clarence W. Guelker, Third US Army Inspector General
- j. MG & Mrs. James F. Hamlet, CG, 4th Inf Div (Mechanized) Ft Carson, Col
- k. Mother of BG Albert Redman, CDR, USA Communications Command, Ft Ritchie, MD
- l. COL Richard Stone, Assistant Director of Finance, State of Alabama
- m. SGM Leon L. VanAutréve - SGM of the Army
- n. COL Butler, Deputy Information Officer, TRADOC
- o. BG & Mrs. Albert Redman, Jr., CDR, USA Communications Command, Ft Ritchie, MD
- p. Wife of BG James M. Lee, Deputy Chief of Staff of Legislative Liaison, Wash, DC
- q. MG & Mrs. Hixon, CG, Ft Jackson, SC

The Army Aviation Museum Association, Inc., held a special meeting on 22 Mar 1973. Mr. J. Douglas Brown presented a proposal that financing the Museum facility be patterned along the lines used to finance and construct the Space Museum at Huntsville, Alabama. Legislation to this effect was introduced in Montgomery by Representative Fred Barkett of Ozark and passed the House but was never introduced in the Senate. The proposed site for the Museum facility was discussed. The site is located just outside the Ozark-Ft Rucker gate.

The annual meeting of the Association was held November 1973. Mr. Brown told the Board of a new plan for financing the construction of the facility. The City of Ozark had a Public Building Authority which is authorized to build such facilities as museums and this Authority is available as a means of financing the building of the museum facility. Financing will be handled by a local bond issue with an open-end



AH-56& AH-56A CHEYENNE HELICOPTER

mortgage and the City of Ozark will underwrite the interest payments until the Association is in position to assume these payments. The Association will be the responsible unit (operational and financial). The present figure being considered is \$1.5 million to get the project off the ground.

DETACHMENT 9, 16TH WEATHER SQUADRON (MAC)

PERSONNEL

Commanding Officer - LTC Robert E. McGee Jr.

Personnel Status - 31 Dec 73.

	<u>Authorized</u>	<u>Assigned</u>
Officers	5	4
Airmen	28	27

ORGANIZATION

Detachment 9 is organized to provide 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 Ft 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 radius of Ft Rucker. Communication facilities include one of the largest military closed-circuit "Weathervision" networks in existence, over which forecasts, weather warnings, briefings and Met-Watch advisories are disseminated to the various using agencies. The detachment also operates both UHF and VHF pilot-to-forecaster radio services. Like all Air Force weather detachments, Detachment 9 has a variety of tele-communications equipment where the continental U.S. Weather is continually updated and forecasts and observations for anywhere on earth can be obtained rapidly.

ACCOMPLISHMENTS

Completed 22,088 outbound pilot briefings (DD Form 175-1).

Provided weather support for 148,746 local and cross country flights.

Completed another year without a reportable accident.

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

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

A new telephone answering device was installed to provide a weather forecast. The service received an average of 25,000 calls a month.

The detachment worked as the Remote Briefing Station for Ft Benning, Ft McClellan, Ft Stewart, and Huntsville Arsenal, also as Radar Buddy Station for Ft Benning, Craig, and Maxwell Air Force Bases.

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

Weather indoctrination tours of the Cairns Weather Station were given to nearly 600 students.



# DIRECTORATE OF INDUSTRIAL OPERATIONS

## ORGANIZATION

The Directorate of Industrial Operations is organized into the following divisions:

- Plans & Operations Division
- Services Division
- Housing Division
- Aircraft Logistics Management Division
- Procurement Division
- Transportation Division
- Maintenance Division
- Supply Division

## MISSION

Direct all activities of the logistics program (supply, aircraft quality assurance, procurement, services, plans and operations, transportation, maintenance and housing) to include the management of facilities and materiel and other logistics aspects of actions which are involved in assuring the effective training of personnel. Evaluate industrial and commercial activities, monitor the program for care and disposition of remains of deceased personnel, special programs, tests and evaluation of new and existing logistical systems and correlation of data systems and procedures affecting logistics operations.

## PERSONNEL

Director of Industrial Operations - COL Albert A. Johnson, Jr.

The following military personnel assignments were made:

LTC Keith L. Groom	Chief, Housing Div	19 Mar 73
LTC James F. Sossamon	Chief, Services Div	8 Jan 73
LTC James R. Graham	Chief, Procurement Div	5 Jan 73
LTC Robert S. Lawrence	Chief, Plans & Operations Div	12 Oct 73
LTC James O. Poulnot	Chief, Transportation Div	8 Jan 73
MAJ Eugene P. Malkoff	Chief, Maintenance Div	5 Aug 73

## PLANS AND OPERATIONS DIVISION

### PERSONNEL

LTC Robert S. Lawrence - Chief, Plans and Operations Division

### ORGANIZATION

Plans and Operations Division provides guidance to and exercises direct supervision over all personnel and activities of the Plans and Operations Division.

## ACCOMPLISHMENTS

Due to the national energy crisis, a post wide Fuel Conservation Program was established in September 1973. The program was later expanded to include all energy assets -- i.e., electricity, water, gas, etc. The mission of the Conservation Program is to monitor all energy assets for proper utilization and possible additional savings.

A Command Supply Discipline Seminar was held in November 1973. The seminar was intended to encourage a free exchange of ideas between all units utilizing the existing supply system. Over 90 people attended the conference and it proved to be a most worthwhile event.

Operated a Maintenance Assistance Team (MAT) during part of CY 1973. This team visited various units and assisted them in seeking more effective ways to operate.

The Supply Branch handled over 80 reports of survey during CY 1973. Acted as the appointing and reviewing authority for all USAAVNC/S units, as well as 21 ROTC units satellited to Ft Rucker for logistical support.

Sponsored the Association of the United States Army Small Business Seminar held on 5 May 1973 at Ft Rucker. Billeting, quarters, mess, decorations, and transportation were arranged by the Plans and Operations Division.

## SERVICES DIVISION

### PERSONNEL

LTC James F. Sossamon, Jr. - Chief, Services Division

### ORGANIZATION

Services Division advises the Director, Industrial Operations, on all matters pertaining to the Army food program; commissary operations; mortuary office services; and laundry and dry cleaning services at Installation and satellited activities.

## ACCOMPLISHMENTS

The Army-operated laundry at Ft Rucker continues to provide various laundry services to installation military personnel at the most economical price available in the area. In addition to services previously provided, a centrally located laundry pick-up point housed in a separate building was opened in June 1973 with operating hours 0915-1800, Monday thru Friday. In July a drop-in box was installed at the Central Pick-up Point for the convenience of patrons wishing to deposit laundry after hours and on weekends. Two THERMO-SEAL laundry marking machines were installed during the year adding to the efficiency of the marking process. Return of fluff laundry in the laundry bag was instituted during the year replacing the wrapping paper. The results of this action are reduced cost and increased speed. Appropriate measures were taken to reduce to the lowest practical level the use of energy to help ease the current shortage.

Food Service has conducted a fine food service program throughout the year. All dining facilities have served the short order meal at lunch time in conjunction with the regular noon meal. This type meal is very acceptable, especially to the younger troops. The Army Ration Credit System has been utilized by all dining facilities. The system gives the dining facility steward much latitude in preparing his menus, and has enabled him to utilize his credits in a methodical system allowing better service and more savory

food to the troops. Soldiers enjoyed not having to perform KP services throughout the year. The services were performed by contract and WB civilian personnel. The contract beginning in July 1973 was awarded to Industrial Maintenance, Inc., at an annual cost of \$191,746.00. This, of course, allows the troops more time to perform their military duties and become better trained. The 46th Engineers Dining Facility furnished cake, coffee, sweet rolls, sandwiches and beverage to tornado disaster victims and others involved during 30 and 31 December and 1 and 2 January 74. There were also 40 breakfasts, 148 lunches, and 31 dinner meals above the normal meals cooked that were provided victims, emergency crews, clean-up crews, and all other personnel without status, as required. The Food Adviser visited Ft Lee, Virginia during the period 1-4 October 1973 to attend a DA (Worldwide) Food Service Seminar. Food Service personnel, both dining facility stewards and cooks have been sufficient. Sixty-eight percent of the personnel are school trained.

The Commissary Store improved its service to the Commissary patrons during 1973 by purchasing and installing 1 each 12' x 36' walk-in storage freezer and 1 each 12' x 36' walk-in storage cooler (chill products). Prior to installation of these two walk-ins the Commissary was limited to 460 sq ft of freezer storage space and 510 sq ft of chill storage space. The increase of 432 sq ft for a total of 892 sq ft of frozen food storage area and the increase of 432 sq ft for a total of 942 sq ft of chilled food storage area gives the Commissary Officer more flexibility in stocking additional items in these two food categories. The stockage of additional desired items in these two food categories increases the benefits and services to the Commissary patrons.

The Commissary Store was closed on 31 December 1973, for a holiday; however, the Commissary Officer made the facilities of the Commissary Store available to the Army Community Service (ACS) for the emergency purchase of food items for the purpose of aiding the victims of a tornado which struck the installation on 30 December 1973. Further assistance was rendered by the Commissary by contacting the bread contractor and obtaining additional bread for Consolidated Mess Hall #2, 46th Engineer Bn (Const), which was rendering assistance to the tornado victims.

#### HOUSING DIVISION

##### PERSONNEL

LTC Keith L. Groom - Chief, Housing Division

##### ORGANIZATION

Housing Division advises the Director, Industrial Operations, and other staff and operating officials on all phases of the housing program.

##### ACCOMPLISHMENTS

During CY 73, the Family Housing Branch terminated and assigned 2,374 sets of quarters, an increase of 27.1 percent over the average for the past six years. This resulted in a 77 percent turnover rate.

Off-Post Housing Referral listed 8,981 rental units on a nondiscriminatory basis. This was an increase of 1,097 over 31 Dec 72.

All temporary family housing units were removed from the adequate family housing list with the exception of 43 Red Cloud, and authority was received to delete the Hospital Quarters from the housing inventory.

During CY 73, a copy machine was acquired by Housing Division, and local reproduction and distribution of assignment/termination orders were begun.

Completed 650 carport roofs, and started work on an additional 160 carport roofs.

Contract was awarded for reroofing shingle roofs of 498 Phase IV dwelling units. Upon completion of this contract, the shingle roofing effort will be fulfilled for twelve to fifteen years.

Work was completed on replacement of 477 air conditioning remote condensing units.

Work was completed on replacement of 1,047 dishwashers.

Contract to provide concrete walk from carport to patio was completed at 200 dwelling units.

Contract to upgrade electrical distribution system in the Post Trailer Park was completed.

Completed interior painting of 770 family housing units.

Completed refinishing floors of 170 dwelling units.

In CY 73, a site-study was initiated for location of additional family housing units.

Three wooden buildings in Tank Hill were acquired as BOQ's for unaccompanied personnel, permanent party and PCS students.

Began dual occupancy of BOQ for Vietnamese Air Force Cadets 25 Oct 73.

Furnishings Management Branch was established in Housing Division to consolidate all Billeting and Family Housing furnishings. A total of seven warehouses have been consolidated into one at building 6011, resulting in better accountability and more efficient service for military personnel.

On 31 Dec 73, fifteen family units were destroyed and approximately \$700,000 damage inflicted by a tornado. All relocations resulting from the storm were completed by 1 Jan 74.

#### AIRCRAFT LOGISTICS MANAGEMENT DIVISION

##### PERSONNEL

LTC Donald M. Vosel - Chief, Aircraft Logistics Management Division

##### ORGANIZATION

Aircraft Logistics Management Division advises the Commander, through Director, Industrial Operations, on all matters pertaining to aviation supply and maintenance.

##### ACCOMPLISHMENTS

Aircraft Quality Assurance Division (AQAD) was redesignated as Aircraft Logistics Management Division (ALMD) effective 1 July 1973.

Installation of proximity warning device (PWD) completed as follows:

UH-1B	100%	UH-1H	98%
UH-1M	100%	OH-58	35%
TH-1G	7%		

A prototype for UH-1B to install (R-844/ARN-58) which will give full glide slope/marker beacon capabilities was developed. Upon receipt of the MWO kits all UH-1B instrument trainers will be wired at Ft Rucker.

Two Project ZYA programs have been started; one at Ft Benning for installation of crash worthy fuel systems on the OH-58 and CH-47; and one at Ft Eustis for fuel systems plus avionics MWO update for all UH-1B, C, D, H, M and TH-1G.

Progress has been made throughout the fleet on installation of APX-72's.

During the month of July, the aircraft maintenance contractor succeeded in getting the general maintenance support shops approved as a certified FAA repair station. The certification placed a new and additional work concept on ALMD inspectors in that FAA parts and components repair criteria are more broadened than the military criteria.

The U-6, TH-13T, CH-47A and C-45 type aircraft have been phased out of Ft Rucker's fleet.

Significant increases in mission and consequent increases in logistical support were required by receipt of UH-1M's, TH-55's, TH-1G's and buildup of the UH-1B fleet.

Shell AHP was reopened in September.

The Aircraft Logistics Management Division coordinated the transfer of over 500 aircraft onto and away from Ft Rucker during the calendar year. Primarily as a result of these transfers, the following changes in the USAAVNC/S inventory occurred during 1973.

<u>Acft</u>	<u>Asgd 31 Dec 72</u>	<u>Asgd 31 Dec 73</u>	<u>Change</u>
U-6	1	0	- 1
U-8	8	6	- 2
U-21	7	6	- 1
C-47	2	1	- 1
OV-1	8	5	- 3
T-41	11	14	+ 3
T-42	15	14	- 1
TH-13T	100	0	-100
C-45	1	0	- 1
CH-47	24	11	- 13
UH-1	235	242	+ 8
OH-6	16	2	- 14
CH-54	7	4	- 3
OH-58	60	47	- 13
TH-55	0	236	+236
TH-1G	0	14	+ 14
	<u>495</u>	<u>603</u>	<u>+108</u>

Northrop Worldwide Aircraft Services, Inc., the civilian aircraft maintenance contractor, was given a renewal on the current aircraft maintenance contract (FY 74).

#### PROCUREMENT DIVISION

##### PERSONNEL

LTC James R. Graham - Chief, Procurement Division

##### ORGANIZATION

Procurement Division plans, directs and is responsible for executing all activities of the central purchasing and contracting agency supporting the United States Army Aviation Center, United States Army Aviation School, satellited agencies and installations, to include utilities/communications services.

##### ACCOMPLISHMENTS

The Procurement Division executed and administered the following contractual programs:

Contract DABCO1-72-0011, Northrop Worldwide Aircraft Services.

The current contract for Aircraft Maintenance was awarded in FY 72 and contained two options for renewal. Normally, the negotiations for exercise of the option would have been completed prior to 30 Jun 73. However, as a result of ADP Equipment consolidation and assumption of primary flight training from Ft Wolters and the transfer of Cobra Aircraft from Ft Stewart, negotiations for the total Aircraft Maintenance Mission with Northrop was delayed. Negotiations were completed in October 1973 with a total estimated contract cost of \$23,049,687. This contract, performance and dollar wise, has proven very successful in the accomplishment of the Ft Rucker Aircraft Maintenance Mission. This was evidenced by the presentation of the "Presidential Management Improvement" award received by key personnel of this command.

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 viewed by higher headquarters as a step in the desired direction.

Contract DABTO1-74-C-0028, Doss Aviation, Inc:

The contract for the conduct of rotary wing primary and instructor flight training was awarded in June of this year to Doss Aviation, Inc. on the basis of the best technical and price proposal submitted to the government. The contract has been modified to provide additional services to perform Rotary Wing VNAF advanced flight training for balance of FY 74. The current cost of the contract is \$2,728,715.00.

Contract DABTO1-74-C-0029, Doss Aviation, Inc:

The fixed wing contract was also awarded to Doss Aviation as a result of competitive solicitation that was determined to present the best technical and cost proposal, to provide training in primary fixed wing training and training support functions at Ft Rucker.

Contract DABT01-74-C-0031, 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. Two bids were received. Award was made to Spear Service Inc. for the period 1 July 1973 through 30 June 1974 with two one-year options to renew the contract. The estimated amount of this contract is \$898,902.00.

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

Contract DABT01-74-C-0033, 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.

The contract entered into in 1972 contained two one-year options for renewal. Negotiations were conducted with the prime contractor, Small Business Administration and sub-contractor, Sentinal Protective Services of Dothan, Alabama. A supplemental agreement to the contract was awarded in the amount of \$941,884.95, for the period 1 July 1973 through 30 June 1974.

Contract DABT01-74-C-0032, Industrial Maintenance Services, Inc.:

As a result of issuance of invitations for bid a contract was awarded to the lowest responsive responsible bidder in the amount of \$191,745.70 for the furnishing of K.P. services at three dining facilities at Ft Rucker, Alabama.

Contract DABT01-74-C-0204, RAS Sanitation Inc.

This contract awarded as a result of competitive bids in the amount of \$53,482.00 calls for furnishing all labor, tools, materials, equipment and supervision necessary for performance of all operation incidental to the collection and disposal of refuse and garbage generated at the installation. The RAS Sanitation Contract was awarded on 19 Oct 73 for work commencing on 29 Oct 73. A new contract was required due to a termination action taken against the previous contractor, Brown and Davis, Ft Walton Beach, Florida. Default was effected on 20 August 1974. Pending execution of a new contract, services were provided by temporary hire of Dept of Army civilians.

Contract DABC01-72-C-0237, Synthetic Flight Training System Device and Contract Field Maintenance

This contract provides Field Services for this Synthetic Flight Training System Device 2B24 (Maintenance and on the job training).

Invitation for Bids, covering approximately 35 projects were awarded during calendar year 1973. Contracts in excess of \$1,000,000.00 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 projects, and miscellaneous alterations and repairs.

#### TRANSPORTATION DIVISION

#### PERSONNEL

LTC James O. Poulnot - Chief, Transportation Division

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

ORGANIZATION

Transportation Division advises the Director, Industrial Operations, on all matters pertaining to transportation movement of HHG, freight and passengers and assigned or satellited vehicles for operations and maintenance.

ACCOMPLISHMENTS

Total number of job orders accomplished during calendar year 1973 for maintenance service and repairs on all types of administrative vehicles is 7115.

In providing transportation management services relating to commercial transportation of persons and things at this installation, the following was accomplished by the Local Transportation Office Operations Branch during calendar year 1973:

- a. 12,397 household goods shipments were processed.
- b. 76,363 tons of freight were shipped & received by the Materiel Movements Section.
- c. 22,000 passengers were processed by the Personnel Movements Section.

MAINTENANCE DIVISION

PERSONNEL

MAJ Eugene P. Malkoff - Chief, Maintenance Division

ORGANIZATION

Maintenance Division serves as Installation support maintenance manager.

SUPPLY DIVISION

PERSONNEL

MAJ Gene H. Lee - Chief, Supply Division

ORGANIZATION

Supply Division exercises staff supervision for DIO over all supply functions of the USAAVNC/S and MEDDAC. Furnishes technical advice and assistance in supply matters to all units.

## COMPTROLLER

### ORGANIZATION

The Office of the Comptroller is organized into the following divisions:

Internal Review Division  
Management Analysis Division  
Program and Budget Division  
Finance and Accounting Division

### VISITS AND INSPECTIONS

On 24-26 January, Mr. Roy Locklar, Installation Accountant, represented Ft Rucker at the Base Operations Systems (BASOPS) Financial Management Workshop conducted at Louisville, KY.

On 24-25 January, Colonel Milton R. Thompson represented Ft Rucker at the STEADFAST Resources Conference conducted at Continental Army Command (CONARC), Ft Monroe, VA.

On 27-28 February, Colonel Milton R. Thompson accompanied Major General Allen M. Burdett, Jr., Commander, to the Commandant's Conference at CONARC, Ft Monroe, VA.

During 4-7 April, Colonel Milton R. Thompson and Mr. George H. Broxson, Jr., traveled to Ft Monroe, VA, to attend the CONARC review of Ft Rucker FY 74 Command Operating Budget (COB) and to negotiate the FY 74 COB contract for Ft Rucker.

On 22 May, Mr. Roy Locklar represented Ft Rucker at the conference conducted at San Antonio, TX, on Standard Finance System (STANFINS) Financial Management Yearend Conversion and FY 74 Changes.

During the period 21-25 May, Colonel Milton R. Thompson, Mr. Samuel H. Riley, and Mr. George H. Broxson, Jr., attended the DCS Individual Training Conference conducted at CONARC/Training and Doctrine Command (TRADOC), Ft Monroe, VA.

### PERSONNEL

On 12 March, Mrs. Evelyn R. Evans was assigned as a Third US Army (TUSA) Career Intern in the Methods and Standards Branch, Management Analysis Division.

On 7 March, SFC John F. Murray was assigned for duty as an instructor in the MAP-TOE Program.

On 9 September, Mr. Benjamin H. Zorn was assigned as Chief, Method and Standards Branch, Management Analysis Division.

## INTERNAL REVIEW DIVISION

### ACCOMPLISHMENTS

Reviews and Surveys by the US General Accounting Office (USGAO).

Review of Interservice Capability for Conducting Undergraduate Helicopter Pilot Training - Code 960008 - USGAO visited Ft Rucker from 27 February 1973 to 15 March 1973 and completed the Army's portion of this review. A statement of facts was presented to installation officials by USGAO at the exit conference on 15 March 1973 and a report of exit was forwarded to TUSA on 27 March 1973. A report was not issued to Ft Rucker on this review.

Survey of the Department of Defense's (DOD's) Application of Simulator Technology in its Management of Flight Operations, Proficiency Flying, and Flight Training - Code 952036 - Survey was initiated on 30 July 1973 and completed on 1 August 1973. An exit conference was held on 1 August 1973 and a report of exit was forwarded to TRADOC on 14 August 1973. A report was not issued to Ft Rucker on this survey.

Review of Determination of Compensation for Coordinated Federal Wage System Employees - Code 960038 - Review was performed on 22 August 1973. No report of exit conference was required and a report was not issued to Ft Rucker.

Audits and Visits by the US Army Audit Agency (USAAA).

Ft Rucker Officers' Open Mess - Report No. SO 73-509 - Audit was initiated on 20 September 1972 and the final report was dated 8 January 1973. USAAA audited operations for the 20 months ended 31 August 1972. Six Conditions and Recommendations (CAR's) were contained in the audit report and the official installation reply was forwarded to TUSA 12 February 1973.

Ft Rucker Noncommissioned Officers' Open Mess - Report No. SO 73-516 - Audit was initiated on 21 February 1973 and the final report was dated 11 May 1973. USAAA audited operations for the 12 months ended 28 February 1973. Seven CAR's were contained in the audit report and the official installation reply was forwarded to TUSA 18 June 1973.

Review of Commercial Audit of US Army Aviation School (USAAVNS) Book Department - Review was initiated on 30 April 1973 and completed on 10 May 1973. No report was issued to Ft Rucker on this review.

Armywide Audit of the Reserve Component Aviation Program - Information concerning this audit was requested by telephone on 26 September 1973 and was furnished on 5 October 1973. No report was issued to Ft Rucker on this audit.

Audit of Synthetic Flight Training Devices - Audit was initiated on 1 October 1973 and completed on 5 October 1973. No report was issued to Ft Rucker on this audit.

DOD-Wide Audit of Indirect Support Aircraft Utilization - Audit was initiated on 3 December 1973 and completed on 12 December 1973. No report was issued to Ft Rucker on this audit.

Commercial Audits

Wildlife Association Report No. A-1 - Audit was initiated on 2 April 1973 and the final report was dated 13 April 1973. Leon Keller, CPA, Landover Hills, MD, audited

operations for the 18 months ended 28 February 1973. Eight CAR's were contained in the audit report and the official installation reply was forwarded to TUSA on 30 May 1973.

Bachelors' Officer Quarters - Audit was initiated on 12 March 1973 and the final report was dated 14 May 1973. Sidney H. Walker, CPA, Ozark, AL, audited operations for the 12 months ended 31 January 1973. One CAR was noted in the audit report and the official installation reply was forwarded to TUSA on 15 June 1973.

USAAVNS Bookstore - Audit was initiated by Sidney H. Walker, CPA, Ozark, AL, on 10 December 1973 and the final report is due not later than 15 February 1974.

Cost Analysis Activity (AR 235-5) - The USAAA audited four cost analyses prepared by this headquarters during CY 1973. Cost analyses are prepared to determine the most economical method of performance (in-house or by contract) of a function. Cost analyses of the following functional areas were audited by USAAA during CY 1973:

<u>AREA</u>	<u>REPORT NO.</u>	<u>REPORT DATE</u>
Surface Areas	SO 73-329	7 May 1973
Improved Grounds	SO 73-330	7 May 1973
Kitchen Police Services	SO 73-328	7 May 1973
Laundry Services	SO 74-307	20 August 1973

#### MANAGEMENT ANALYSIS DIVISION

#### ACCOMPLISHMENTS

Defense Integrated Management Engineering Systems (DIMES) Methods Improvement and Work Measurement Projects and Studies were accomplished in the following areas:

- Comptroller, Finance and Accounting Division
  - Commercial Accounts Section
  - Travel Section
  - Military Pay/Con Pro Section
  - Accounting Branch
  - Disbursing Branch
- DPCA, Adjutant General Division
  - Publications Section
  - Orders Section
  - Mail & Distribution Section
  - Postal Section
  - Army Field Printing Plant
  - Cold Type Composition
- DPCA, Special Services Division
  - Sports Branch
  - Entertainment/Recreation Branch
  - Library
- DPTSEC, Training Aids Service Office
  - Photo Branch
  - Airfield Operations
  - USAAVN Museum
- DIO, Housing Division
  - Billeting Branch
  - Furnishing Management Office
  - Family Housing

DIO, Supply Division  
Ammo Section  
Self Service Supply Center  
Clothing Sales Store  
Warehouse  
DIO, Transportation Division  
Movements Branch  
DC-E, Communications Systems Division

Management Studies were made as follows:

At the request and in conjunction with USAAVNS, an organizational study was made for the primary purpose of realigning the school structure in accordance with current mission requirements and available budget allocations. The study was completed on 29 November 1973.

Studies included making floor layouts for DIO, Procurement Division; Instr Tech Division, Learning Center; and DPTSEC, Training Aids Service Office, preparatory to a proposed or actual move from one location to another.

Management Analysis studies were made at direction of the Department of the Army in each of the five dining facilities located on this installation to establish a data base of work performed by mess attendants. When this data is combined with the findings of six other installations, it will provide guidelines and limitations for having this work performed by a civilian contractor.

A feasibility study was made to determine the type of work measurement standards, i.e., engineered, statistical, or technical standards, that were required in each work area. The findings were used to provide a base to establish the DIMES Five-Year Plan.

Management Practices in Table of Organization and Equipment (MAP-TOE) training classes began with class No. 73-1 on 22 January 1973. A total of 249 firstline managers have completed the 24-hour class and 155 middle managers have completed the 24-hour class.

During CY 1973, Reconciliations of Shred-Out Listings from US Army Finance Support Agency were completed for Basic Allowance for Subsistence (BAS) and Basic Allowance for Quarters (BAQ) for military personnel assigned to Ft Rucker.

During the period 6 August - 5 October 1973, Mr. Billy Grantham, Chief, Management Analysis Division, attended the 8-233 professional military Comptroller Course presented at the Air University, Maxwell AFB, AL.

During the period 22 May - 15 August 1973, SFC James E. Hodges attended the Advanced Noncommissioned Officers' Aircraft Maintenance Course at Ft Eustis, VA.

During the period 17 September - 19 October 1973, Mr. Ben Zorn, Chief, Methods and Standards Branch, Management Analysis Division, attended the 5-week Army Management Engineering Training Agency Course at Rock Island, IL.

On 16 December 1973, Mr. Harry G. Howell, having completed his Career Internship, was assigned as Management Analyst in the Methods and Standards Branch, Management Analysis Division.

PROGRAM AND BUDGET DIVISION

ACCOMPLISHMENTS

Various Program Change Proposals (PCP) cost studies were conducted during 1973. Major studies are as follows:

A cost estimate for modification of the existing training program for Initial Entry Rotary Wing (IERW) Training to include 15 hours of night and Nap-of-the-Earth (NOE) flight training was developed and furnished Deputy Assistant Commandant for Training and Education (DACT&E) on 17 May 1973. At the request of DACT&E, an update was furnished on 21 November 1973.

A classified Case Study and Justification Folder, "Project Concise," was developed and finalized in October 1973 and hand carried to TRADOC by Mr. George Broxson. At the request of TRADOC, Mr. Broxson was retained for approximately three weeks to assist in the further development and consolidation of study data from all TRADOC installations.

An FY 1973 Case Study and Justification Folder reflecting required budgetary data associated with a proposed consolidation of the US Army Aviation Training Mission from Ft Wolters and Hunter AAF to Ft Rucker was approved and placed in effect in July 1973 (FY 1973).

Changes and/or additions in budgetary reporting requirements:

A FY 1974 Course Budgetary Analysis was submitted to TRADOC in September 1973. This report reflects detailed training costs on a functional basis reflecting resources stated in FY 1974 TRADOC Program Annex to Funding Authorization Document (FY 1974 Contract ) issued to this command 31 July 1973.

The following new recurring reporting requirements were placed on the Program and Budget Division in CY 1973:

Implementation of the TRADOC Three-Year Program (TTYP) which will encompass the current budget year, the forthcoming budget year, and a program year.

The Status of Operating Resources (SOR) (ATRM-2) replaced the Financial Plan for Base Operations (RCS ATLOG-408) and will supplement the Status of OMA Financial Plan (RCS CSCAB-307).

The Status of Financial Plan Monthly Phasing (RCS CSCAB-307) reflects the planned utilization of resources and performance data for 12 months and will be updated quarterly.

FY 1973 Budget Actions:

A critical shortage of funds prevailed throughout FY 1973. Through continuous commandwide efforts, FY 1973 hard-core requirements stated in the FY 1973 Budget Execution Review (BER) of \$70,683,800 were refined and reduced to an actual FY 1973 (cumulative 30 June 1973) fund utilization of \$67,352,603.

FY 1974 Budget Actions:

The reorganization of Continental US Armies into two major commands, US Army Forces Command (FORSCOM) and TRADOC, became operational on 1 July 1973. Budget feeder data and actual cost data are provided both commands.

Both commands implemented a new innovation in resource management referred to as the Installation Budget Contract. The contract outlines objectives to be accomplished, and acceptance of the responsibility for mission accomplishment within available resources. FY 1974 resources available by commands reflected in original contracts were as follows:

<u>APPROPRIATION</u>	<u>TRADOC</u>	<u>FORSCOM</u>
OMA	\$70,607,300	\$ 722,900
FHMA	1,920,500	-0-
OMAR	-0-	909,600
OMARNG	-0-	8,000
<b>TOTAL</b>	<b>\$72,527,800</b>	<b>\$1,640,500</b>

The FY 74 BER was developed as of 30 September 1973. This review resulted in hard-core TRADOC OMA fund requirements of \$72,065,200 to accomplish the following DA and TRADOC-directed training mission:

<u>CATEGORY OF TRAINING</u>	<u>OUTPUTS (GRADUATES) FY 74 PROGRAM</u>
IERW (Total)	(1,114)
Active Army	915
Other	199
Aviator Graduate (Transition)	2,098
Subtotal (Flight Training)	3,212
Aircraft Mechanic and Other	3,744
<b>TOTAL</b>	<b>6,956</b>

Funds available to finance requirements were \$71,270,400, including \$692,800 in overprogramed fund availability to finance the GS pay raise, but excluding \$313,800 for the WB pay raise.

The FY 1975 Command Budget Estimate (CBE) was furnished TRADOC and FORSCOM in June 1973 and considered a total dollar guidance versus minimum essential hard-core requirements for accomplishment of the assigned mission as follows:

	<u>OMA</u>		<u>OMAR</u>	
	<u>GUIDANCE</u>	<u>REQUIREMENTS</u>	<u>GUIDANCE</u>	<u>REQUIREMENTS</u>
TRADOC	\$62,777,000	\$79,708,100	\$ -0-	\$ -0-
FORSCOM	\$ 722,900	\$ 885,500	\$1,007,600	\$1,281,300

In October 1973 TRADOC implemented a three-year programing system involving the current year, the budget year, and the program year. The TTYP represents a quantified picture of TRADOC at a given time and is backed up by TTYP annexes from the various installations. The initial TTYP was submitted in November 1973 which analyzed the projected "draft" guidance for FY 1975 and FY 1976. Similar reporting requirements are expected from FORSCOM.

FINANCE AND ACCOUNTING DIVISION

ACCOMPLISHMENTS

On 11 May 1973, In/Out Processing was moved from Building 8745 to Building 6012. All elements of the Finance and Accounting Division are now located in one building.

On 1 July 1973, BASOPS was converted to STANFINS.

On 11 July 1973, the Finance and Accounting Officer was notified of the elimination of the Class Q Allotments as a prerequisite for payment of BAQ for E-1 through E-4 (four or less years service). The US Army Finance Support Agency converted all Class Q Allotments to Class T (Temporary). The objective of the Finance and Accounting Officer was to further eliminate all Class T Allotments from the records which in turn would update and more accurately reflect a member's status. Records were updated by either cancelling Class T Allotments or converting to a Class E Allotment. On 6 December 1973, all existing Class T Allotments had been terminated or converted.

The JUMPS-Army error rate for Ft Rucker was only 1.07% of pay changes submitted. This compares to a TRADOC error rate of 2.62% and a DA worldwide error rate of 3.67%.

Ft. Rucker Finance and Accounting Office assumed responsibility for pay, disbursing, and accounting support for Alabama and Mississippi Army National Guard. Responsibility for pay, disbursing, and accounting functions for ROTC, Active Army Reserve Component Advisors, Army Reserve, Recruiting Districts, and Main Stations was picked up on an area support basis. These new missions were added on 1 August 1973 as a result of the STEADFAST Reorganization.

On 14 December 1973, Christmas partial payments of \$80,686.00 were paid to 585 service members.

## DIRECTORATE OF FACILITIES ENGINEERING

### ORGANIZATION

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

- Administrative Branch
- Engineering, Plans and Real Property Branch
- Work Coordinating and Management Branch
- Supply-Storage Division
- Buildings and Grounds Division
- Fire Prevention and Protection Division
- 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 FAE maintenance and construction functions; maintenance of installed property. Serve as Program Director as prescribed by USAAVNC Reg 11-5.

### PERSONNEL

Director: LTC Clemon G. Courtney

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 completed in November 1973 at a cost of \$324,553.

Contract for construction of facility for the US Army Agency for Aviation Safety was completed in January 1973 at a cost of \$986,979. Contract for construction of Enlisted Men's Service Club was begun in March 1973 at a cost of \$1,150,216. Expected completion date is May 1974. The contract for construction of the Field House was begun in March, at a cost of \$1,915,619 and is expected to be completed in July 1974. The contract for Modernization of Barracks, at a cost of \$806,582 was begun in May 1973 and is expected to be completed in April 1974. Construction on the Special Services Library at a cost of \$438,632 was started in July 1973 and is expected to be completed in April 1974. In summary, a total of \$4,311,000 in major construction was underway throughout the most part of calendar year 1973.

During the period 1 January through 31 December 1973, 18 minor construction and maintenance contracts, costing \$669,205 were awarded. Five minor construction and maintenance projects, costing \$61,794 were awarded for Class II activities. Five minor

construction projects costing \$191,207 were awarded for nonappropriated fund activities. Thirteen minor construction and maintenance projects costing \$106,703 were awarded for USAR Centers located in Alabama, Mississippi and Florida. During the calendar year 1973, the following minor construction and maintenance contracts were completed:

<u>TYPE</u>	<u>NUMBER</u>	<u>COST</u>
OMA	22	\$661,900
USAR	13	115,762
Class II	7	91,115
NAF	<u>3</u>	<u>106,629</u>
TOTAL	45	\$975,406

During calendar year 1973, the Engineering, Plans and Real Property Branch developed engineering plans for a complete Army Aviation School for the Government of Iran. The overall plan consisted of 130 buildings and is estimated to cost \$50,000,000.

#### SUPPLY-STORAGE DIVISION

##### ACCOMPLISHMENTS

New metal bins were installed and all supplies rewarehoused. The bins are arranged so that each item can be easily located.

There were several small items added to the Self-Help Issue Point for occupants of family quarters. At present supplies are available and will be issued for any self-help type job that the occupant can perform.

The emergency caused by the tornado striking at the end of the year was a good test for the Army Supply System. Even though there had been a big reduction in stockage levels due to curtailment of stock fund acquisition authority, there were enough supplies on hand or available on blanket purchase agreements to meet immediate requirements. The only major item that was not available in sufficient quantities was utility poles.

#### FIRE PREVENTION AND PROTECTION DIVISION

##### ACCOMPLISHMENTS

The Ft Rucker Fire Department conducted 9,226 on-post fire inspections during 1973. Fire inspections were also conducted in 86 trailer courts in neighboring communities. The Ft Rucker Fire Department responded to 14 calls from local communities for assistance in extinguishing fires (a decrease of 14 from last year).

During 1973 there were 8,730 personnel who attended 76 classes and demonstrations emphasizing what action to take in the event of fire, including prevention 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 Ft Rucker Fire Department was awarded 14th place for its entry in the National Fire Prevention Contest.

Thirty-one fires occurred during 1973. Army dollar loss resulting from these fires amounted to \$95,803.00 (an increase of \$90,339.00 over last year). Eleven (8 structural and 3 wood) of the fires were reportable to higher headquarters.

UTILITIES AND POLLUTION CONTROL DIVISION

ACCOMPLISHMENTS

Targeted utilities expenditures for 1973 were \$1,340,765. Actual expenditures were \$1,536,662. This was 14.6% above the target and 4.6% above the 10% allowed in pertinent regulations. Utilities for new buildings 6005 and 4901 were partially responsible for the overrun.

A very severe winter caused fuel consumption to be 21% over expected usage.

The Pollution Abatement Program is well underway. Conversion from coal to natural gas as primary fuel for the 6800 and 6900 Blocks and miscellaneous barracks buildings and administrative buildings has been completed. The final application for water discharge into streams is due to be submitted by COB 31 Jan 74. This should be accomplished on schedule.

A severe tornado struck the post on 31 Dec 73, and did major damage to the utility systems along Baker Street, Division Road, Division Place, Endl Avenue, Diamond Avenue, 5th Avenue, 1st and 2nd Street. Repair work will be continuing well into January 1974.

## DIRECTORATE OF MEDICAL ACTIVITIES

### ORGANIZATION

The United States Army Medical Department Activity, Ft Rucker was reorganized and assigned to the U.S. Army Health Services Command on 1 July 1973 by HSC General Order 58, dated 11 June 1973.

The Commander, Medical Department Activity, US Army Health Services Command also serves as Director of Medical Activities on the installation commander's staff.

### MISSION

Advise the Commanding General/Commandant on matters pertaining to medical support provided the installation by MEDDAC, and on matters pertaining to base support provided MEDDAC by the installation.

As a tenant activity, the Medical Department Activity continues to provide the optimum medical support to the installation.

### PERSONNEL

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

The 31 Dec 73 recognized requirement for MEDDAC amounted to 112 officers, 31 ANC/AMSC's, 187 EM and 238 civilians. In addition 36 EM of the 427th Medical Company (Amb) were designated as augmentation personnel. Should this REFORGER unit depart Ft Rucker, an increase in recognized requirements by a like amount would be automatically generated. Total recognized requirement, to include augmentation spaces, is 604.

The first Manpower Survey conducted by USAHSC was completed in Oct 1973 and resulted in new requirements recommended as follows:

111 Officers, 31 ANC/AMSC, 187 EM, 247 Civ and 24 "other" personnel from the 427th Med Co. (Amb) for a total of 600.

### INPATIENT CARE

Total admissions	3781
Total live births	645

### OUTPATIENT CARE

Total visits	269,215
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The Family Medicine Program, renamed The Personalized Health Care Delivery Program in order to eliminate confusion with the Family Practice Program, continues to function in an expedient manner. Command interest continues to be demonstrated throughout the chain of command and the Emergency Room workload continues to decrease as a result of this program. The Ft Rucker telephone directories contain names, telephone number, and unit of assignment of each unit physician.

## DENTAL ACTIVITY

### ACCOMPLISHMENTS

During 1973 a total of 76,150 patient treatments were provided.

The 1973 school year was marked by the opening of the Ft Rucker Primary School, which has, as does the Ft Rucker Elementary School, a modern dental clinic designed to provide in-school delivery of dental health care. Both of these unique clinics staffed by the DENTAL ACTIVITY, provide a complete program of patient education and definitive dental treatment integrated into the student's school activities.

The first graduates of the Dental Therapy Assistant training program conducted by the DENTAL ACTIVITY, received their certificates on 11 October 1973. All of these recent graduates are currently employed at Ft Rucker and provide highest quality dental treatment under the direct supervision of dental officers.

Faced with a continuing shortage of military dental assistants, the DENTAL ACTIVITY has adopted a civilization program to fill unoccupied military positions with qualified civil service employees.

## VETERINARY ACTIVITY

### ACCOMPLISHMENTS

The Veterinary Activity, MEDDAC, inspected 100,633,176 pounds of subsistence during 1973. As a result of this inspection 282,811 pounds were rejected.

The Veterinary Small Animal Clinic saw 51,105 animals on an outpatient basis during this period. This clinic administered 2,267 rabies immunizations as well as 3,303 other immunizations against infectious canine distemper, infectious canine hepatitis, leptospirosis, feline distemper, and feline pneumonitis.

As part of its Rabies Control Program the Veterinary Activity quarantined 358 animals in the Post Kennels and coordinated suspect cases with the local State Health Officials.

There were no Zoonotic Diseases diagnosed during 1973.

## ARMY HEALTH NURSE ACTIVITIES

### ACCOMPLISHMENTS

Family-nurse contacts are conducted in the 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 medicine program and hopefully to reduce the workload on the medical facility. The Army Health Nurse made 414 home visits, 378 clinic or office visits and 24 ward visits.

During 1973, the Army Health Nurse provided anticipatory guidance to families through assisting in well-baby clinic (1770 infants) teaching the Post Partum Classes for newly delivered mothers (598), the Expectant Parents Classes (440) and the Breast Feeding Classes (108).

The Army Health Nurse was responsible for interviewing for contacts and followup on the communicable diseases. As part of this program, 109 preschool children were time tested and 5 IPPD's were given to followup positive time tests in the elementary school.

PLANS, OPERATIONS, AND TRAINING DIVISION

ACCOMPLISHMENTS

Revision of MEDDAC Regulations 380-5 and 385-3 were completed during the calendar year.

A MASCAL Exercise was conducted on 30 April 1973; revision of the OPLAN MASCAL was prepared on 16 October 1973. An unannounced test of the MEDDAC Alert Notification System was conducted on 19 December 1973. This alert notification exercise was combined with the MEDDAC Commander's briefing for MEDDAC officers concerning MASCAL operations and changes made to the OPLAN.

External auxiliary fuel tanks were installed on the Flatiron medical evacuation aircraft, which not only provides extended operational range, but also replaces the internal bladder-type fuel tank which posed a definite fire hazard.

During the calendar year, four (4) UH-1H aircraft were transferred from USAAVNS to MEDDAC; an additional three (3) UH-1H aircraft were requisitioned and obtained to meet the expanded Flatiron Air Ambulance operational requirements.

A MEDDAC air-evacuation radio net was established between the Flatiron Air Ambulance Branch, Flatiron aircraft, and US Lyster Army Hospital.

A phone patch system was added to the MEDDAC Radio Net which provides a direct phone to radio communications capability.

Four (4) Reserve component medical units completed annual active duty training while augmenting USLAH staff during the summer months.

The Air Ambulance Branch missions and evacuations are listed below for the period 1 January 1973, through 31 December 1973.

EVACUATION				
Military	Dependents	Civilians	Missions	Hours
272	252	33	306	817.06

CRASH RESCUE		
*Patients	Missions	Hours
1,568	676	537.05

\*Denotes a 679.2% increase over CY 72, due to the added requirement to retrieve aviators involved in precautionary landings.

## STAFF JUDGE ADVOCATE

### MISSION

Furnish legal advice and services to the command, staff, and subordinate elements. Exercise staff supervision over administration of military justice. Render legal advice and counsel concerning military affairs, legal assistance and procurement to authorized personnel. Process claims both for and against the Government.

### PERSONNEL

On 22 June 1973, LTC Pedar C. Wold assumed duties as Staff Judge Advocate. LTC Fred Bright, Jr. was reassigned to Eight US Army, Korea as a Military Judge.

### ACCOMPLISHMENTS

Between 1 January and 31 December 1973, the Military Justice Section provided both trial and defense counsel in 10 trials by general court-martial and 66 trials by special court-martial. In addition to providing appointed counsel for trials, 14 summary court-martial records and 800 records of proceedings under Article 15, Uniform Code of Military Justice were reviewed for legal sufficiency. The attorneys assigned to the Military Justice Section also counseled approximately 1,000 people during the year on problems relating to military and civilian criminal law. Since Ft Rucker does not have a military judge permanently assigned, it is necessary to request a military judge from Ft 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 3 days per month for the trial of all general and special courts-martial.

During 1973 in the Legal Assistance program military personnel and their dependents made inquiries and were assisted by the Legal Assistance Section concerning approximately 4,000 legal problems. Over 3,000 legal documents and letters were prepared in response to these inquiries. The section also conducted a 6 hour seminar on Federal and State Income Taxation held on 25 January. Seventy-one people from various units at Ft Rucker attended the seminar for training in the preparation of individual income tax returns so they could aid personnel assigned to their units.

Family Legal Assistance Program: The shortage of military attorneys on post created a reduction in the kinds and amounts of legal assistance rendered by this office. Implementation of a revised program of legal services administration was partially accomplished with the establishment during the month of August 1973, of the first Family Legal Assistance Office in Ozark. During the month of October 1973 another office was established in Enterprise, staffed by CPT Gerald M. Botts.

Legal Assistance Para-Professional: As part of a pilot program undertaken to allow continued legal assistance services despite shortages in military attorneys, one enlisted man was authorized for special duty with this branch. The legal assistance waiting list was reduced from 30 days to zero. The addition of a legal assistance paralegal has freed at least eight attorney hours per day by culling the non-legal or quasi-legal problems from the workload. Such an arrangement has alleviated the attorney shortage while providing each individual who desires to see an attorney the opportunity to do so within a reasonable period of time.

The Military Affairs Section received approximately 700 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 Claims Section received 800 claims filed against the United States in the Ft Rucker geographical area for calendar year 1973. There were 871 claims adjudicated and payment made in the amount of \$199,553.33. The Claims Section also filed approximately 774 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 \$83,246.78 was collected and deposited to the account of the Treasurer of the United States. Of this total \$45,918.61 was recouped from carriers for damage to servicemembers property in transit and \$37,328.11 was recovered from third party damage to Government property and negligent injury to Government personnel and dependents causing medical treatment at Government expense.

Claims Para-Professional: The claims paralegal program provided a step toward making the third party recovery activity as current as the balance of the claims operation. Since the establishment of this program in October 1973, the amounts actually recovered have increased significantly. The recovery figures for the three months immediately preceding the establishment of this program were as follows:

July	\$89.00 recovered
August	\$1,875.84 recovered
September	\$815.25 recovered

Beginning with the month of October the trend in collections took a turn upward, recovering \$6,511.42. During the month of November \$12,063.79 was recovered.

At approximately 1630 hours, 30 December 1973, a tornado struck Ft Rucker. Shortly after the tornado struck Ft Rucker, a claims task force was assembled at the Office of the Staff Judge Advocate. One of its first tasks was to assemble advance payment claims materials into individual packets for dissemination the next morning.

The following morning, 31 December 1973, all available victims were briefed by the Commanding General and selected members of his staff, including the Staff Judge Advocate. At the same time, authority was obtained from the Army Claims Service, Ft Meade, MD, to make advance claims payments prior to the final settlement of claims from the victims. Simultaneously, field claims attorneys, accompanied by photographers, secured photo coverage of the most severely damaged areas. This was vital to insure preservation of evidence for substantiation of claims, particularly those against commercial insurers, since additional severe weather was impending and it was necessary to remove household goods from the unserviceable quarters to prevent further damage. Affected commercial insurers were notified of the damage and its known extent; liaison between the insurers and this office was then instituted.

On 1 January 1974, the claims task force continued personal assistance and insurance liaison in the disaster relief center which had been activated the previous day.

The entire Staff Judge Advocate section was reorganized to focus the maximum possible personnel assets on the major claims effort to come. It was determined that essential military justice work and emergency legal assistance would be performed with a skeleton crew of two Judge Advocates and one clerk. This crew was also charged with screening all other demands on the section outside the claims field (e.g., administrative law matters) and deferring or resolving them as required. In addition, one civil service procurement law specialist was allocated to work with the Procurement Division of the Directorate of Industrial Operations to help handle the extraordinary procurement requirements occasioned by the disaster. The remainder of the section was used to augment the claims division and to organize field claims teams.

On 2 January 1974, an extensive telephone survey of 550 potential victims was undertaken to discover the probable extent of damage to personal property. During the following six days of the survey, it is estimated that 2,000 individual calls were attempted by four persons calling for 7-8 hours per day. As a result, 410 potential claimants were contacted by telephone.

At the same time, field claims teams began a week-long effort to personally contact each family which had been relocated, suffered serious quarters damage, or could not be reached by telephone, with primary emphasis on those who had suffered the most damage. By the end of the first day, 18 of the families who had been hit the hardest had been contacted and assisted in the preparation of their claims. All told, 119 actual or potential victims had been personally contacted and assisted. A total of 529 potential claimants were contacted as a result of these efforts. Eighty-eight reported having sustained damage to personal property. It is estimated at this time that this is within 5% of the total number of those who actually had any damage. Also on 2 January 1974, the Army Claims Service delegated authority to the Staff Judge Advocate to expend the statutory maximum (\$10,000.00) in final settlement of any claim submitted as a result of the tornado, and to approve the statutory maximum (\$5,000.00) for advance payments.

The first disaster payments were made on the third day following the tornado, 2 January 1974. An advance payment of \$1,000 was applied for and paid on 2 January. In addition, two final claims were submitted and paid on that date. From 2 January to the present, the Claims Office adjudicated and paid each subsequent claim on the day it was submitted. Thirty-four claims have been submitted and paid, totalling \$38,057.65.

## INSPECTOR GENERAL

### MISSION

Inquire into and report upon matters affecting the performance of mission and state of economy, efficiency, discipline, and morale of the Command.

### PERSONNEL

The following military assignments were made:

LTC Richard V. Coulter, Inspector General, effective 7 January.  
MAJ Nelson J. Cooper, Assistant Inspector General, effective 27 July.  
MSG Raymond E. Fields, Enlisted Counselor, effective 28 June.

### ACCOMPLISHMENTS

During the 1973 calendar year, general inspections were conducted as follows:

Twenty-eight company-sized inspections.  
Inspection of all major USAAVNC directorates.  
Five inspections of other activities to include the Post Exchange, Visitors' Bureau, Wildlife Association, Sports Parachute Club, and Commandant's Welfare Fund.

During the same period, approximately 450 complaints and/or requests for assistance were concluded by this office.

Third U.S. Army Inspector General conducted the Annual General and Procurement Inspection of the United States Army Aviation Center from 30 April to 4 May 1973.

The Training and Doctrine Command conducted an inspection of the United States Army Aviation School and related activities during the period 29 October - 2 November 1973.

## MANAGEMENT INFORMATION SYSTEMS OFFICE

### MISSION

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

### PERSONNEL

Major John R. Griffin serves as Chief of MISO, which has a current manpower authorization of sixty (60). This total includes eleven (11) military and forty-nine (49) civilians. A career trainee program is administered for three (3) programmer spaces supported by TRADOC TDA. The MISO was augmented by eleven (11) civilian spaces during 1973. Of these additional spaces, four (4) were for increased mission/workload resulting from Wolters/Stewart transfer. Seven (7) spaces were transferred from US Army Agency for Aviation Safety (USAAAVS) due to DPI consolidation actions.

### ACCOMPLISHMENTS

Major strides were made toward reduction in operating costs and improvement in ADP resource utilization. The most significant actions, in terms of cost savings, resulted from DA approved DPI consolidations. The first of a two phase plan to consolidate three (3) separate Data Processing Installations (DPI's) into one (1) single facility was accomplished in May 1973. The ADPE and operator personnel from USAAAVS were transferred to the MISO DPI, and a formal agreement was entered for MISO to provide continued ADP operational support at the same level formerly enjoyed by USAAAVS.

Contract modifications were negotiated whereby MISO would transfer and operate ADPE located in the Aircraft Maintenance Contractor's DPI to the MISO facility. Contract changes provide for continued receipt, by the A/C Maintenance Contractor, of the same level of ADP support that was available prior to the consolidation. Assumption of contractor support was effective 1 October 1973, with physical movement of ADPE occurring during 6-8 October 1973.

Short-term or immediate advantages of the consolidation actions include release of one (1) 360/30 Central Processing Unit and various PCM and peripheral devices at a first year reduction in ADPE lease costs of approximately \$89,000 per year. Long-range benefits include better utilization of available ADPE and improved ADP services to activities supported.

Fort Rucker now has the largest computer center in Southern Alabama and by far the largest MISO in the United States. With a combined core of 900,000 bytes in two large computers, each computer is capable of performing 750,000 instructions per second. Each system has tape capability augmented with mass secondary storage, communications teleprocessing, real time processing, display equipment, and remote terminals. At present, the MISO produces an average of a 12-page report for one of its 75 customers, every minute of the day, 24-hours-per-day, 7-days-a-week. With further development of the system to support the US Army Aviation Center/School complex, almost every individual at Ft Rucker will be involved in communication with the computer center.

## SYSTEMS ANALYSIS AND PROGRAMMING BRANCH

### ACCOMPLISHMENTS

Developed plans, studies, schedules and effected coordination actions associated with DPI consolidations, ADPE acquisitions and releases, and related actions.

Administered training program for three (3) career intern trainees, including on-the-job as well as formal classroom training off-the-job. Provided programming and system analysis support for all installation unique ADP applications and implemented changes, as required, to DA and TRADOC standard systems. Performed pre-conversion readiness actions relating to extension of SIDPERS early in 1974.

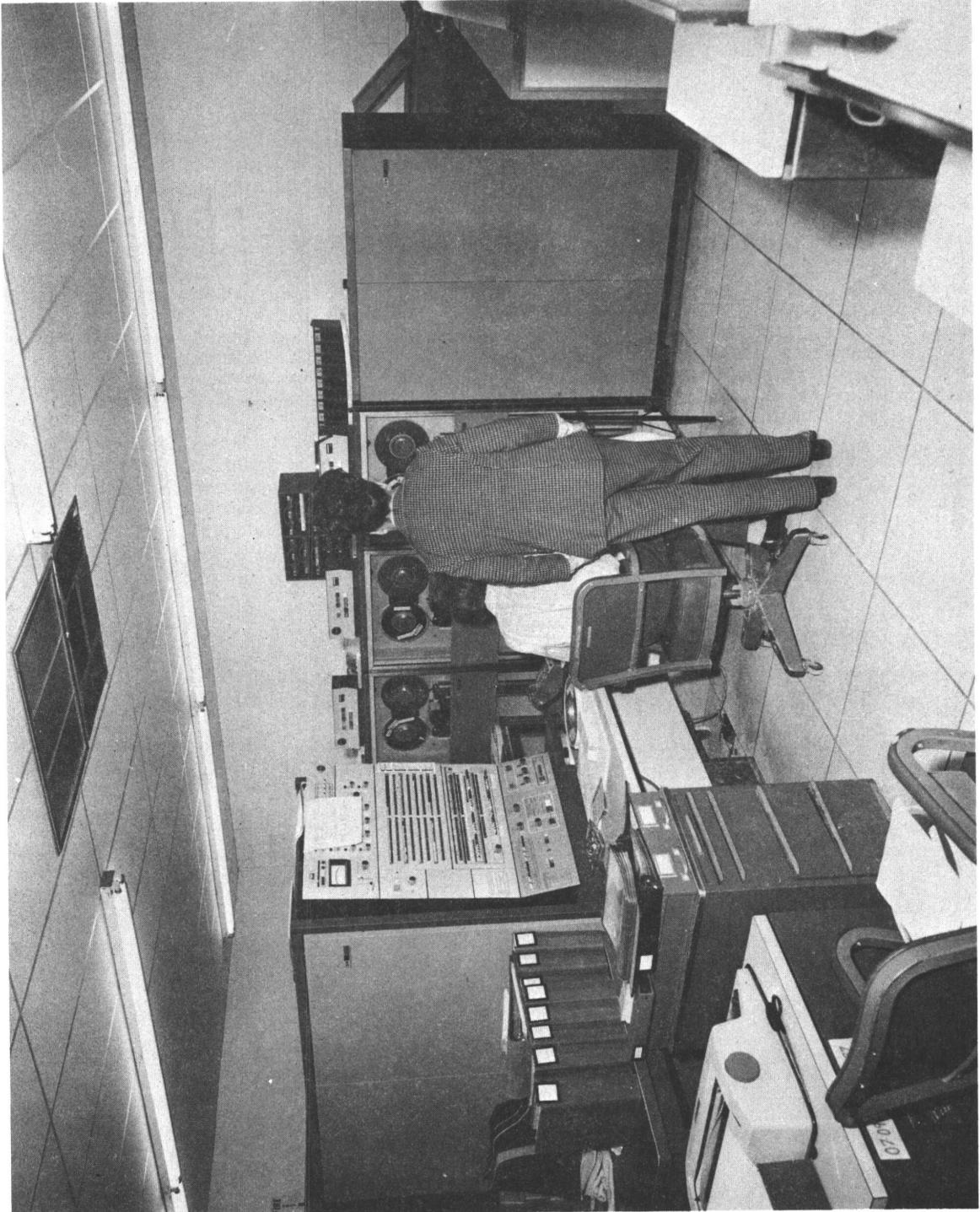
Initiated action to redesign and reprogram, in COBOL, Statement of Accounts (Telephone Billing) system for processing under Operating System (OS). When completed, a much better telephone billing system in terms of processing speed, improved accuracy, and less manual intervention will result. Increased ADP capability resulting from consolidation actions has made possible the continued development and implementation of Aviation Management Information System (AVNMIS). Progress to date includes such areas as instructor qualification, standardization and quality control, student daily flight activities to include generation of flight hour statistics and associated academic programs.

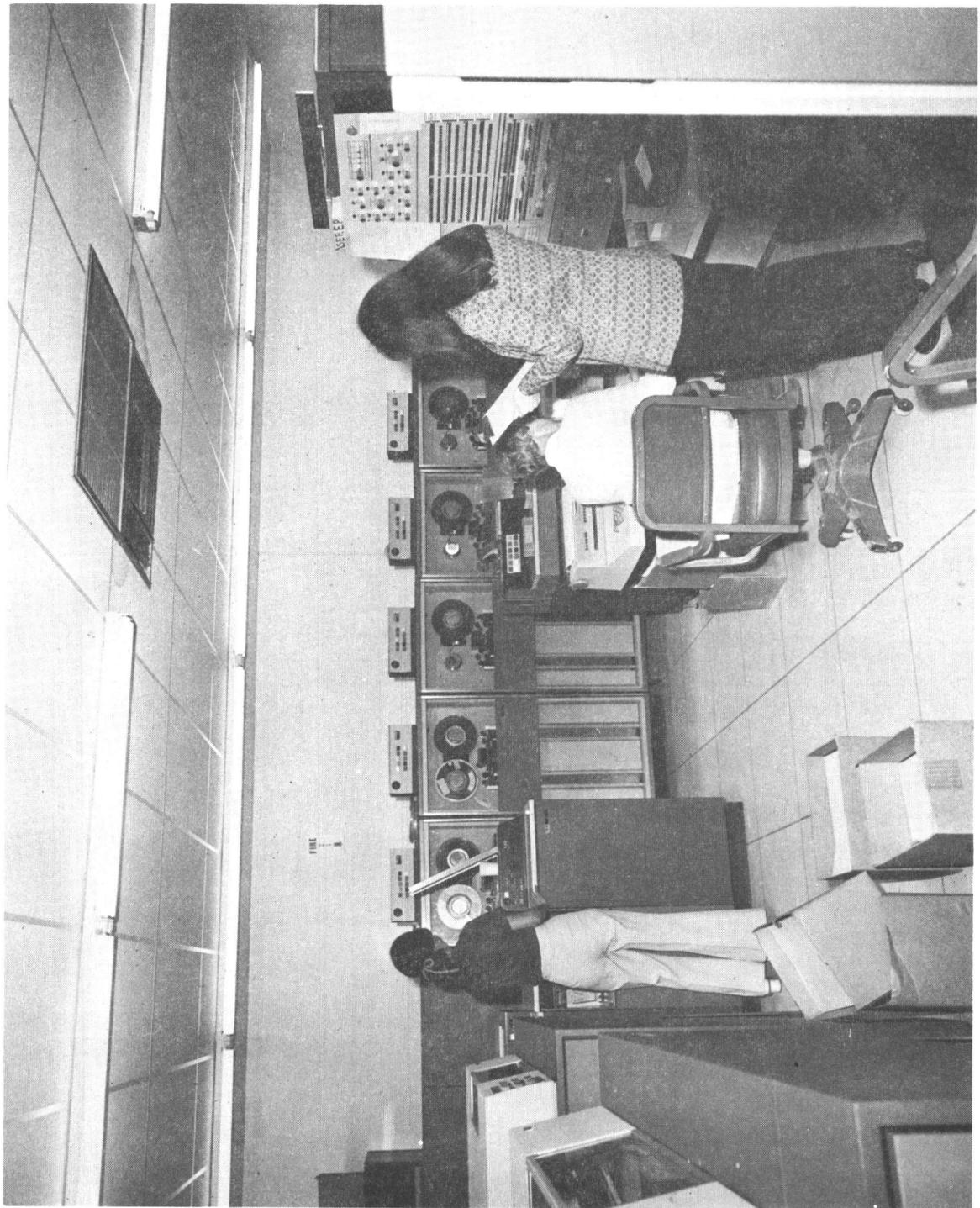
Actions are currently underway to install latest software innovations, such as POWER and RELOCATE, on Disk Operating Systems to allow concurrent processing of major ADP systems. This software will permit expanded use of multi-programming techniques, thereby increasing processing throughput and permitting maximum utilization of ADP capability.

## MACHINE OPERATIONS BRANCH

### ACCOMPLISHMENTS

Assumed operational responsibility for two large computer systems; a 360/50 system operating in a full O/S MFT Mode with remote data access terminals, with the ability to recall information relative to Army aircraft accidents occurring over the past several years. A second 360/50 system operating under DOS utilizing BTAM to effect on-line update of, and inquiry to data files reflecting status of aircraft, supplies and job time-cost associated with contract aircraft maintenance. Peripheral devices required by these systems include forty-one (41) Disk Drives, twelve (12) Tape Drives, three (3) High Speed Printers, two (2) Card Read/Punch Machines. These computer configuration, with their multi-processing and teleprocessing capabilities, constitute the largest assembly of such equipment in the Southeast. The systems are capable of storing, on-line, eighty (80) million blocks of management information data and producing in various formats, reports from this data base at the rate of 3300 lines per minute. Despite the magnitude of personnel training requirements and the change to a 7-day, 24-hours-per-day work week, the consolidation of Ft Rucker's major computer systems was successfully accomplished.





## INFORMATION OFFICE

### MISSION

Provide public and command information support to the installation, including tenant activities, and the geographic area assigned.

### PERSONNEL

MAJ Richard P. Timmermeyer continued to serve as the Information Officer. 2Lt Thomas R. Gruensfelder was assigned duties as Community Relations Officer. Miss Zelmer Barnes, arriving in June, entered the two-year intern career training program.

### ACCOMPLISHMENTS

The Information Office was reorganized under Operation Steadfast and began operation under TRADOC.

A separate radio-television section was established. In coordination with ETV, a new Ft Rucker Today television program is now aired over closed circuit and commercial television channels on the installation.

The administrative and community relations branches of the office moved to Building 122. PIO, R/TV, CI and the Flier remained in Building 121.

Major programs for which the IO was project office included Army Wife of the Year, preparation for the Bicentenary, student orientation tours and the guest speaker bureau.

Extensive support was provided Operation Santa Claus, the 49'er Party, WAC activities, recruiting -- "Operation Help Yourself", energy conservation and Wiregrass area recreational facilities.

## **chapter 2**

# **US ARMY AVIATION SCHOOL**



## OFFICE OF THE SECRETARY, USAAVNS

### ORGANIZATION

The Secretary supervises and coordinates activities of:

Administrative Division  
Academic Records Division  
Allied Military Training Division  
Liaison Officers

### MISSION

The USAAVNS Secretary advises the Commandant through the Assistant Commandant on policies, plans and administrative services. The Secretary is the principal advisor to the Assistant Commandant for manpower utilization; monitors assignment and utilization of all personnel, grades, and skills within the USAAVNS. The Secretary serves as Cost Reduction coordinator for USAAVNS, monitors security functions. Additionally serves as advisor to the Deputy for Training and Deputy for Development.

### PERSONNEL

Personnel changes during 1973 include LTC Donald Hoyem as Assistant Secretary, replaced MAJ James R. Boyd, CPT William J. Wallace, Administrative Officer, replaced CPT David D. Hosemann, and CPT Gary Boggs, Chief, AMTD, replaced LTC Howard Brown.

### ACADEMIC RECORDS DIVISION

#### MISSION

The Academic Records Division advises the Commandant, Assistant Commandant, and Secretary on matters pertaining to student status and academic records, inprocesses officer and enlisted students, monitors student grades, handles student administrative matters to include audit of students' personnel records. Complies and publishes changes to class rosters, conducts faculty boards, graduates students, and conducts formal command orientations. Also maintains the current statistics pertaining to input, output, attrition, in-training loads and population for the school. Prepares Service School Training Report and other recurring reports pertaining to actual input vs programmed input and in-training loads vs population and many other non-recurring reports as required. Historical data is maintained from 1959 thru current year.

#### ORGANIZATION

The Academic Records Division, consisting of 2 military and 11 civilian positions, is under the supervision of the Secretary, USAAVNS.

#### PERSONNEL

Captain John Jacobson served as the Chief, Academic Records Division from January through July 1973, and was replaced by Captain Gilbert Tijerina.

## ACCOMPLISHMENTS

During the calendar year 1973, the Academic Records Division conducted 26 formal command orientations, 26 formal graduations, and approximately 49 faculty board actions. In prior years this Division conducted officer in-processing only. However, during calendar year 1973, the enlisted student inprocessing was acquired. 6,002 students were in-processed, 5635 graduated and in-training load averaged 1415.76 students during calendar year 1973.

## ALLIED MILITARY TRAINING DIVISION

### MISSION

The Allied Military Training Division is responsible for the administration of all Allied students who come to Ft Rucker to attend rotary wing, fixed wing and instrument 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

In November 1973 the first class of Vietnamese Air Force training began in the Initial Entry Rotary Wing Course. There will be a total input of 432 students with the last class graduating in July 1975. Another first is in the training of Khmer Republic (Cambodia) students. This training was given in the Rotary Wing Instrument Course, UH-1 Instructor Course, and Initial Entry Rotary Wing Aviator Course.

### INFORMATIONAL AND SPONSORSHIP ACTIVITIES

Continued emphasis was placed on the Allied Sponsorship Program during 1973. 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 local points of interest. Orientation and informational tours were taken in the surrounding towns of Daleville, Dothan, Enterprise, and Ozark, Alabama. Tours were conducted to Huntsville, Montgomery, Daytona Beach, and Marianna.

## ACCOMPLISHMENTS

Allied Military Training Division provided administrative and organizational support for 396 Allied Students representing 28 countries during 1973. These totals reflect an increase of 13 students trained over 1972, as well as four additional countries being represented.

Allied students input data for 1973 is as follows:

<u>COUNTRY</u>	<u>OFF STU</u>	<u>ENLISTED STU</u>	<u>TOTAL</u>
Argentina	1		1
Australia	10		10

<u>COUNTRY</u>	<u>OFF STU</u>	<u>ENLISTED STU</u>	<u>TOTAL</u>
Bolivia	2		2
Canada	7		7
Chile	9	2	11
Denmark	5		5
Dominican Republic	8		8
Ethiopia	4	2	6
Germany	48	17	65
Guatemala	6		6
Iran	49	15	64
Israel	2		2
Japan	1		1
Jordan	5		5
Khmer Rep	15		15
Korea	1	3	4
Norway	5		5
Panama	5		5
Paraguay	1		1
Peru	6		6
Rep of China	2		2
Saudi Arabia	7		7
Spain	3	2	5
Thailand	33	3	36
Tunisia	4	8	12
Turkey	1		1
Venezuela	2		2
Vietnam	154	5	159
28 Countries	396	57	453



Allied students from the Khmer Republic, Republic of Panama, Thailand, and Vietnam toured the Coca-Cola Bottling Company on 3 December 1973.

## DEPUTY FOR DEVELOPMENTS

### MISSION

Serves as program manager for, and principal advisor to, the Commandant and/or Assistant Commandant on all actions within assigned area of proponentcy in support of organization, management information systems, studies, user experiments and tests, materiel requirements, combat developments programs and training literature programs, and world-wide U.S. Army flight standardization programs.

### ORGANIZATION

The Deputy for Developments was provisionally organized on 1 March 1973 as a part of the overall reorganization of the Army. The new organization incorporated the USACDC Aviation Agency (formerly a tenant activity); Office of Doctrine Development, Literature and Plans; the U.S. Army Aviation Digest; a Standardization element from DSIT; and a Training Devices element. Deputy for Developments consists of three departments - Concepts, Doctrine and Organization Developments; Training Developments; and Materiel Systems Development.

### PERSONNEL

Colonel Lloyd J. Picou is the Deputy for Developments.

Authorized strength is as follows:

Officers - 53; Enlisted Men - 17; and civilians - 52; for a total of 122.

### ACCOMPLISHMENTS

Prepared and/or revised materiel requirements documents for the following equipment:

- Aircraft Flotation Equipment
- Flotation Equipment for Aircrewmembers
- Aircraft Survivability Equipment
- Anti-Icing/De-Icing Equipment for Helicopters
- Aircraft Weapons Handling Vehicle
- U-21 Cockpit Procedures Trainer (Device A2035)
- Night Vision System for Army Aircraft
- Escape System, Airplane, Combat Surveillance
- Navigation/Stabilization, Avionics Equipment for USAMEDD Aircraft
- Absolute Altimeter
- Armed Aircraft Qualification Range System
- Product Improvement of CH-47
- Advanced Reconnaissance Helicopter
- Microwave Landing System

Monitored development effort on the following items of equipment:

- Microwave Aircraft Digital Guidance Equipment

Shelter, Portable, Aircraft Maintenance  
Basic Fixed Wing Trainer, 2B24  
CH-47 Operational Flight Trainer, Device 2B31  
UH-1H Cockpit Procedure Trainer, Device 2C35  
Manportable Visual Air Traffic Control Facility, AN/TSQ-97  
UH-1D Electrical System Trainer, Device 1-73  
Rotary Wing Hover Simulator  
Multi-Engine Fixed Wing Instrument Trainer, Device 2B27Z  
Second Generation Flight Clothing  
Clothing System for Army Aviation Crewmembers  
Emergency Repair Shelter for CH-47  
HELLFIRE  
Utility Tactical Transport Aircraft System  
Medium Transport Helicopter, CH-47C  
AN/TSQ-97  
AN/TWS-7A Tower  
Selective Effects Armament Subsystem  
Position and Navigation System  
External Ammunition Stores  
Battalion Aerial Antiarmor System

Prepared plans of test for operational testing (OT) and/or participated in testing of the following:

MASSTER Test of Army Airspace Control Program of Evaluation  
Emergency Repair Shelter for the CH-47 Helicopter  
OV-1D/CH-47 HOTBRICK II System  
Loran Airborne Navigation Subsystem  
Air Traffic Control Facility, AN/TSQ-97

The following studies were completed:

The Use of Smoke to Enhance Aircraft Survivability  
Helicopter Air-to-Air Combat  
Heavy Lift Helicopter Trade-off Analysis and Judgemental Evaluation  
Training Literature Relating to Tactics for Attack Helicopters When Engaging Armor  
Flight Attitudes from Rear Area to Operational Area

Provided representatives and/or members for the following conferences/meeting held at other installations:

HLH User Requirement Conference  
HLH Quarterly Program Review  
Exercise Gallant Hand II  
HLH Best Technical Approach Joint Working Group  
Interservice Ad Hoc Committee on Nuclear Defense  
HLH Crew Station Mock-up Review  
Tactical Environment Support System (TESS) Study Advisory Group Meeting  
Test Methodology Symposium  
Microwave Landing System Advisory Group Meeting  
Tactical Radio Communications Conference  
Family of Army Surveillance and Target Acquisition Study Advisory Group Meeting  
MASSTER Test of HF Radios  
Army Tactical Data System Joint Working Group Meeting  
NUDORE Study Group Meeting

Ground Support Equipment Acquisition Panel Meeting  
 Aircraft Weaponization Meeting  
 Airspace Control Conference  
 Quarterly Program Review for Improved Cobra Armament System  
 FARRP Joint Working Group Meeting  
 Ammunition Proliferation Review Meeting  
 5th Quadripartite Working Group Meeting on Army Aviation  
 Present and Proposed Field Artillery Concept of Target Acquisition and Surveillance  
 Conference  
 Signal Security Training Conference  
 Commonality of Infrared Imagery Systems Meeting  
 Formal Review of CONUS Navigation (VOR/ILS) Program  
 Meeting of Joint Working Group for Forward Area Refueling and Rearming  
 Ground Support Equipment Program Conference  
 Living Model Conference  
 ATMAC Automation Level Review Meeting  
 Tri-Service Meeting on Countermeasures for Helicopters  
 Air Traffic Management Study Advisory Group Meeting  
 Joint Working Group Meeting on Organization and Employment of Armed Helicopters  
 Study  
 Missile Command Program Review Meeting  
 13th Meeting of the NATO Military Agency for Standardization Air Transport Working  
 Party  
 Joint Working Group Meeting on Small Tactical Aerial Reconnaissance  
 88th Aircrew Station Standardization Panel  
 AH-1 Operator's Manual Review Conference  
 CH-47B/C Operator's Manual Review Conference  
 CH-54 Operator's Manual Review Conference  
 OH-58 Operator's Manual Review Conference  
 Training Literature Program Conference  
 Field Fortifications Conference  
 CH-47A Operator's Manual Review Conference  
 1st Army Standardization Conference  
 U-21 Operator's Manual Review Conference  
 SPANNER Ad Hoc Working Group Meeting  
 Echelons Above Division Conference  
 UH-1D/H Operator's Manual Review Conference  
 Landing Force Planning Course  
 Tactical Helicopter Employment Study Coordination Meeting  
 20th Annual Meeting, Working Party, ASCC  
 Operator's Manual Reforming Conference

The following training literature documents were prepared or revised:

TC 1-15, Nap of the Earth Flight Training  
 Change 1 to FM 1-40, Helicopter Gunnery  
 TC 1-100-105 PT, IFR Shorthand  
 FM 1-80, Aerial Observation Techniques and Procedures  
 FM 1-( ), Rotary Wing Flight  
 FM 1-105, Aviator's Handbook  
 FM 1-55, Guide for Operation of Army Airfield  
 ST 1-100-1  
 FM 1-106, Float and Ski Operations for Army Aircraft  
 Change 1, FM 1-40, Helicopter Gunnery  
 TM 1-300, Meteorology for Army Aviation

ST 57-150, Tactical Air Movement Guide  
USAAVNC Supplement 1 to AR 310-3  
TC 1-100-2 PT, Automatic Direction Finder  
TC 1-100-7 PT, VOR Enroute  
TC 1-100-12 PT, Radio Magnetic Indicator  
TC 1-100-57 PT, Introduction to Navigation  
Army Subject Schedule 1-13, Survival Following Crash Landing or Bailout  
TM 1-215, Attitude Instrument Flying  
TC 1-93D, Augmentation Training for Flight Simulator Specialist, MOS 93D20  
TM 10250, Fixed Wing Flight  
TC 1-100-1952 PT, Introduction to VOR and RMI  
TC 1-100-1958 PT, Introduction to ADF and RMI  
Army Subject Schedule 1-8, Aerial Observer Training  
ST 1-100-1, Reference Data for Army Aviation

Reviewed 6 Basis of Issue Plans

Reviewed 17 Tables of Organization and Equipment

Reviewed 75 training/doctrine literature publications.

Reviewed 4 Manpower Authorization Criteria documents.

Reviewed 9 Qualitative and Quantitative Personnel Requirements Information documents.

Provided 28 technical inputs to the U.S. Army Aviation Digest

Researched, coordinated and prepared answers for 91 proposed changes to Operator's Manuals and Check Lists.

Conducted local operator's manual conferences on CH-47B/C, Ch-47A, OH-58, AH-1G, OH-6, U-8, OH-58, CH-54, AH-1 and T-42.

Determined Basis of Issue Requirements for TOW/Cobra (AH-1Q); Mine Disbursing Subsystem, Aircraft XM-56; Night Vision Goggles, AN/PVS-5.

Hosted a Center Team Conference on the Advanced Scout Helicopter.

Conducted a Worldwide Operator's Manual and Check List Conference on the CH-54.

Administered the annual written examination pre-test to 118 aviators.

Prepared Study Reference List and test questions for MOS Codes 93J20, 93J40, 93H20, 93H40, 93K40, 93L50, 71P20, 71P40 and 71P50.

Prepared test outlines for MOS Codes 67B20, 67B40, 67M20, 67M40, 67N20, 67N40, 67R20, 67R40, 71P20, 71P40, 71P50, 93D20 and 93D40.

Prepared Test Plans for MOS Codes 67N20, 67N40, 67B20, 67B40, 67V20, 67V40, 67M20, 67M40, 93H20, 93H40, 93J20, 93J40, 93K20, 93K40 and 93L50.

Prepared MOS test questions for MOS Codes 93D20 and 93D40.

Prepared Study Reference Lists for MOS Codes 67B20, 67B40, 67M20, 67M40, 67N20, 67N40, 67V20 and 67V40.

Hosted a Joint Working Group Conference on user requirements for nap-of-the-earth communications.

Prepared behavioral research paper, "Initial Entry and Unit Training Requirements for NOE Helicopter Flight".

Completed Study Guide for Annual Written Examination.

Completed Reference Data Book for Annual Written Examination.

Reviewed and updated UH-1 and OH-58 Standardization Packets.

Developed city map requirements for future Army Aviation needs based on user requirements.

## DEPUTY FOR TRAINING

### ORGANIZATION

In accordance with a TRADOC directive, the USAAVNS was reorganized effective 1 May 73. The Office of the Deputy Assistant Commandant for Training and Education was created. The Department of Resident Training Management was also established replacing the Office of the Director of Instruction. The Department of Resident Training Management is composed of Curricula, Scheduling, Evaluation and Instructional Technology Divisions.

### MISSION

Serves as program manager and principal advisor to the Commandant, and/or Assistant Commandant for development, conduct and administration of resident and non-resident instruction for which USAAVNS is proponent. Direct the efforts of USAAVNS resident and non-resident training departments/activities.

### PERSONNEL

Colonel James H. Mapp served as the Deputy Assistant Commandant for Training and Education during this period; LTC George G. King and subsequently, LTC Ernest M. Wood, Jr. served as the Director, Department of Resident Training Management.

Authorized strength for DACT&E and DRTM at the end of 1973 is as follows:

Officers, 31; enlisted, 35; civilian, 71; total, 137.

### ACCOMPLISHMENTS

Curricula Division - Plans Branch completed a number of very significant actions during this period. Among them was a detailed study which examined four courses of action for conducting EURO/NATO and Canadian flight training both rotary wing and fixed wing, at Ft Rucker. The package, as developed at the USAAVNS, was presented to and accepted by the EURO/NATO working group during its meeting in London, 13-15 Jun 73.

During the month of January 1973, Plans Branch personnel were updating a case study and justification folder designed to consolidate all aviation flight training at Ft Rucker. Subsequent to the Secretary of Defense announcement of 17 April 1973, which announced closure of Ft Wolters and Hunter Army Airfield, a consolidation task force was formulated to effect the directed consolidation. Total savings figure resulting from the consolidation will not be available until June 1974; however, annual savings of considerable magnitude are anticipated.

In May 1973, Plans Branch was tasked with overall responsibility for the preparation and support of a Nap-of-the-Earth (NOE) field study conducted at Ft Rucker by the US Army Research Institute for the Behavioral and Social Sciences. Twenty-eight subjects will be evaluated on a series of 8 or 12 flights in an effort to determine NOE pilot proficiency, and to assess the utility of various experimental maps and other visual aids for NOE operations. Evaluations began on 24 Sep 73 and are expected to be completed by 1 Nov 74.

The past year proved to be one of major change for the Initial Entry Rotary Wing (IERW) program. After several months of intense preparation and appropriate staffing, USAAVNS received approval for implementation of the Initial Entry Rotary Wing Program Change Proposal (PCP) on 6 Dec 73. This program, which is to be implemented with classes 74-27/28, has incorporated significant changes to the present program. Initially, two weeks and 15 hours of flight instruction have been transferred from the Primary Phase of training to the Contact Tactics (NOE) phase. This change increases the Contact Tactics (NOE) phase of instruction from 8 weeks and 50 hours to 10 weeks and 65 hours. The 15 additional hours of instruction will consist of 9 hours of NOE instruction (total of 15 in the program) and 6 hours of night instruction. These changes involve increasing SFTS time in the Instrument Phase from 7.5 hours up to 20 hours with a commensurate reduction of UH-1B time from 42.5 hours down to 30 hours. These changes will increase the comprehensiveness of the instrument instruction and will reorient the tactics instruction to that of a high threat environment.

During the past year, the number of active programs of instruction decreased from 73 to the present 61. Although the inresident student load has also decreased, revisions to POI's have increased due to the quality of instruction being improved. These revisions are a means of providing the student with the best academic and flight training possible. During the year, Training Branch processed 52 major and 92 minor revisions to POI's. During the second half of the year the Systems Engineering Branch was consolidated with Training Branch. This section completed the systems engineering process, through Step 3, on all POI's as directed by TRADOC.

Major actions accomplished by Training Branch during CY 73 are listed chronologically.

January - Annual review of courses resulted in major revisions to 7 POI's. These revisions eliminated useless or outdated material and helped to provide standardization where possible. All POI's changed from 48 hour week to 40 hour week by direction of TRADOC.

February - Project was initiated to establish a multi-track Fixed Wing and Rotary Wing Instructor Pilot Course. Gunnery training was deleted from the OH-6 and OH-58 AQC POI's.

March - The Fixed Wing Multi-engine Qualification Course (FWMEQC) was approved by TRADOC. Aviation Command & Resource Management POI was approved. POI's 67M20, OH-13/OH-23 Helicopter Repair and 67B20, O-1/U-1 Airplane Repair Courses were deleted.

April - Major revision and Systems Engineering of the O/WORWAC and WORWAC was completed for the upcoming consolidation of Ft Wolters at Ft Rucker.

June - AH-1G IP Course was systems engineered. POI's for the OH-58 and OH-6 AQC were deleted. RWIFEC was systems engineered.

July - Phase I of the IERW Course taught at Ft Wolters was transferred to USAAVNS. The AH-1G AQC and IP courses were transferred from Hunter AAF, GA to USAAVNS. The Officer/Warrant Officer Air Traffic Control Course was systems engineered.

September - The Warrant Officer Advanced Course POI was reworked to eliminate aviation flight subjects and renamed the Warrant Officer Senior Course by direction of TRADOC.

November - The Warrant Officer Intermediate Course title was changed to the Warrant Officer Advanced Course and reviewed.

December - New POI added for US Military Academy Flight Training Program.

Programs of Instruction cancelled at USAAVNS during CY 73 are as follows:

OH-13/OH-23 Helicopter Repair Course, 67M20  
U-6/O-1 Airplane Repair Course, 67B20  
OH-6 Aviator Qualification Course  
OH-58 Aviator Qualification Course

The following new POI was approved in CY 73:

US Military Academy Flight Training Program

Scheduling Division - In the spring of 1973 it was announced that all aviation training would be consolidated at Ft Rucker, Alabama. Initial Entry Rotary Wing Primary commenced at Ft Rucker on 29 July 1973, with Class 74-9. On 16 August 1973, the first TH-1G transition class began at Ft Rucker. Additionally, USAAVNS started an 18 month VNAF training program on 5 November 1973. With the introduction of TH-1G transition, Initial Entry Rotary Wing Primary and VNAF training, the number of aircraft was increased from less than 400 to over 520 aircraft. Shell Army Heliport opened on 22 October 1973, due to the increased number of assigned aircraft. The average monthly flying hours have increased from 22,908 to 26,443 hours.

Due to the increase in the number of students at USAAVNS, the classroom facilities, transportation assets, base airfield and stagefield assets have been realigned. This action has substantially altered the physical location of training and the scheduling of support assets for that training. Scheduling Division has, through its internal flexibility, consistently insured accurate scheduling of all required support at frequently changing locations.

Evaluation Division - During 1973 a total of 427 examinations were reviewed, edited and prepared for publication. Many of these examinations which were developed pursuant to conversion to the systems engineered curriculum concept, hence represent an additional expenditure of effort by test specialists.

A total of 428 student critiques were processed. Associated with this were numerous revisions of critique booklets and other material supporting the critique process. Upward of one hundred classroom observations of exam administration were conducted. Flight evaluations scheduled by flight evaluation personnel totaled 344. Flight evaluation personnel assisted in placing SFTS equipment into operation by conducting checkrides and assisted in debugging procedures.

Instructional Technology Division - During the period of July through September 12 VP-1000 video cassette playback machines and one VO-1600 record/playback machine were acquired and placed in operation. The ETV Production Branch completed 1935 minutes of production time (average of 129 15-minute video tapes) during 1973. These productions have resulted in a savings of numerous manhours and hours of aircraft downtime while providing an educationally uniform and detailed presentation that is not dependent on instructor/aircraft availability or weather conditions.

During 1973 the USAAVNS Library has been open a total of 64 hours per week, including night and Saturday service. Personnel served include staff, faculty, students, Center/School personnel and other military libraries.

Material contained in the Library include:

Books	32,100
Technical Documents	36,350
Public Documents (includes DA pubs, FAA handbooks, and regulations, other GPO publications)	41,537
Periodicals (Subs)	505
Backfiles	52,242
Microfilm	4,706
Audio-Visual Materials	1,823
Total Collection (Items)	168,758

The USAAVNS Library has microfilmed all records of the book and documents collection, and has microfilmed the manuscripts of Air Mobility and With Trumpet and Drums by BG Carl I. Hutton as well as BG Hutton's personal papers which were presented to the Library.

Warrant Officers in the Advanced and Senior level programs who are enrolled at Troy State University and Embry-Riddle University, Ft Rucker, are being given regular one-hour orientations in library materials and use.

With the rapid growth in both new lessons and equipment, the Learning Center was relocated in July to building 101, which added 4,000 square feet of floor space. Shortly after this move, the VNAF and Primary students started using the Learning Center causing attendance to grow rapidly to a point where over 2,000 students have used the facility monthly for the past four months. The total lessons available in the Learning Center has reached 530 and the usage has grown to over 8,000 lessons per month. The total hours of instruction exceeded all expectations by reaching 27,247 instructional hours. Student attendance has grown to 18,420. The total lessons administered in the Learning Center has reached a new high with 64,429 lessons used by students in 1973.

The Learning Center made presentations at several conferences working with civil educators by attending the Effective Teaching Institute, sponsored by Auburn University. The Learning Center has established a working relationship with over 30 institutions of higher learning.

## DEPARTMENT OF GENERAL SUBJECTS

### ORGANIZATION

The department was established in January 1971 with the specific intent of centralizing academic instruction supporting the aviation, warrant officer career and aviation-related enlisted MOS training. Centralization was carried further by the official transfer of the synthetic flight simulator training from Department of Advanced Flight Training to Department of General Subjects. On 1 May 1973, major USAAVNS reorganization was accomplished according to the "School Model" concept by General Order 134 dated 19 April 1973. The Department of General Subjects provisional organization established as a result of the reorganization, comprised 67 officers, 16 warrant officers, 134 enlisted men, and 124 civilians for a total staffing authorization of 341 persons. The reorganization did not materially affect the structure of the department which was broken into four divisions, i.e., Air Traffic Control, Flight Simulator, Flight Subjects, and Career Training; with normal operations, supply, and administrative activities. The major change was the concept of relationships between USAAVNS staff and instructional elements concerning system engineering and doctrine support as outlined in DA Pamphlet 570-558, Staffing Guide for US Army Service Schools.

Due to the anticipated reduction in student training as a result of termination of Vietnam commitments, another major reorganization was proposed that further combined academic instruction into one element by the combination of Department of Maintenance Training (DOMT) and Department of General Subjects (DGS). This proposed merger would result in reduction of 33 overhead spaces within. The DOMT and DGS merger was only one aspect of the reorganization that had direct impact throughout USAAVNS. The result of this was that on 1 December 1973, Department of Maintenance Training was designated under operational control of Department of General Subjects to begin transition phase of merger during Christmas recess to full implementation effective 7 January 1974 (General Order 3 dated 4 January 1974). The revised organization established a Department of Academic Training with staffing of 66 officers, 16 warrant officer, 237 enlisted men, and 183 civilians for a total of 502.

### MISSION

To conduct all academic and flight simulator training except for maintenance and medical courses.

### PERSONNEL

COL James M. Leslie served as Director, Department of General Subjects from 21 August 1972 until 3 September 1973. LTC James R. Mellish served as acting director from 4 September 1973 until 8 October 1973 at which time COL Howard E. Brown took command effective 9 October 1973 until the present time.

### ACCOMPLISHMENTS

During 1973, the Career Training Division reached another milestone in the career development of Army Warrant Officers. The aviation warrant officer career courses proved to be of such significant value that the decision was made to include all warrant officers, regardless of their branch, in the Advanced Course. The first test class, (73-2),

commenced in January 1973 and included eleven nonaviators from Quartermaster, Adjutant General, Signal and Field Artillery branches. This experiment was determined a great success and the second test class, (74-1), began in July 1973 with twenty nonaviator students. During the test phase, the nonaviators received the same curriculum as the aviators with the exception of the strictly aviation subject. A substitute elective was offered in lieu thereof. The favorable comments from the students participating in the classes in addition to the long-recognized need for such a course resulted in the decision to continue the trend. As a direct result, the courses were realigned to needs and the names of the courses were changed. The Aviation Warrant Officer Intermediate Course became the Aviation Warrant Officer Advanced Course and will remain aviation oriented. The Aviation Warrant Officer Advanced Course became the Warrant Officer Senior Course and will be completely branch immaterial.

In 1973, the Career Training Division became responsible for the implementation and presentation of the Department of the Army directed Aviation Command and Resource Management Course. The purpose of this course is to provide potential aviation company, air cavalry troop, aviation battalion and air cavalry squadron commanders and their operations and executive officers with a working knowledge of the requirements and responsibilities of the unit commander. The course length is two weeks and is conducted approximately ten times a year. An internal realignment of training was also accomplished by the transfer of the common subjects phase of both the Basic and Advanced NCOES programs from the Air Traffic Control Division to the Career Training Division. This change was adopted as it was found that the professional development subjects of the NCOES and warrant officer programs were closely aligned and that instructors proficient in specific areas could impact that knowledge to students of both programs.

Approximately seventy general officers, colonels, and civilians of equivalent rank from all over the United States and various foreign countries visited the Flight Simulator Division during the year. The main topic of interest was the Synthetic Flight Training System (SFTS) Device 2B24 and its incorporation into the flight training program. Delivery of the second 2B24 began in November with operational date set for 15 March 1974. A total of eight 2B24s are scheduled for delivery by December 1974. Another integral part of the synthetic flight training program, along with the SFTS (2B24) Device is the CH-47 Operational Flight Trainer (2B31) Device. The contract for this device was let in June 1973, and the first scheduled delivery set for June 1975.

The systems engineered version of the 71P20 Course was approved and implemented. This included elimination of the prerequisite that students attend the 71B10 Course at Ft Benjamin Harrison. This improved method resulted in a validated cost savings of \$437,918.

On 8 January 1973, the Air Traffic Control Division implemented a systems engineered review procedure in conjunction with the new Federal Aviation Administration examination. Results were more than gratifying in that only one student failed the examination during CY 1973, as opposed to a near one-third total failure rate previously experienced. All ATC POI's were completely systems engineered and the basic portion of the 93H20, 93J20, and 93K20 Courses implemented by 15 April 1973. Many needed changes were included that resulted in only 16 students being academically eliminated.

A new Officer/Warrant Officer ATC Course POI was developed and approved by TRADOC during November 1973. This new POI was oriented toward the operational areas in which the student will be expected to supervise upon assignment to the field. More hands-on training is included and a unique ETV type test has been developed. Implementation is expected in January 1974. There were 202 visitors to the ATC Division during 1973.

The transfer of IERW preflight phase of training from Ft Wolters, Texas was effective 29 July 1973 with Class 74-9. This phase of instruction was incorporated into Flight Subjects Division which also has the advanced phases of the course. Improved instructional media and facilities were incorporated through use of 3M sound/slide equipment in IERW instrument academics and relocation and enlargement of the SERE Compound and Static Camp training area in the vicinity of RT-6. Additionally, two gaming-simulation devices were developed by the Tactics Branch in January and were utilized extensively in student training throughout the year.

Initial Entry Rotary Wing (IERW) training for VNAF students began on 1 November 1973 with Class 74-22. This course generally parallels the regular IERW program with the exception of instrument and SERE training. Scheduled graduation date for the first class is 30 July 1974.

Transfer of AH-1G training to Ft Rucker from Hunter/Stewart, Georgia was completed on 16 August 1973 with Class 74-4.

Mr. William C. Whisnant, DAC instructor within the Flight Subjects Division, won the Outstanding Writer Award for an article published in the Aviation Digest. Twelve civilian personnel were cited for outstanding performance of duties; three were awarded quality step increases, and six sustained superior performance awards. Two enlisted men from the department were awarded the Post Soldier of the Month Award.

## DEPARTMENT OF MAINTAINANCE TRAINING

### ORGANIZATION

During calendar year 1973, the Department of Maintenance Training was composed of four divisions:

Operations Division  
Maintenance Support Division  
Primary-Observation Division  
Utility-Cargo Division

On 27 November 1973, the Department began preparation for consolidation with the Department of General Subjects to form a new Department of Academic Training. On 7 December 1973, the Department of Maintenance Training became OPCON to DGS under the first phase of the consolidation.

### MISSION

To train enlisted aircraft repairmen to perform organizational, direct, and general support maintenance on UH-1 and OH-58 helicopters.

To train aviators in the operations of Army aircraft systems.

### PERSONNEL

LTC John A. Johnston assumed duties as Department Director in July 1971 replacing LTC William B. Monts, who retired from active federal service. Authorized strength at the end of 1973 is as follows: Officers - 10; Warrant Officers - 10; Enlisted Men - 119; Civilians - 56, for a total of 195.

### ACCOMPLISHMENTS

In 1973 a total of 4101 officer and 1052 enlisted students received maintenance training in the Department of Maintenance Training.

Implementation of the new self-paced enlisted training programs continued. Savings in instructional time (25 - 30%) and upgrading of the knowledge and manual skills of graduates of the OH-58 mechanics course corresponded to previous experience in self-pacing of the UH-1 mechanics course.

By April 1973, the Systems Engineering of all Programs of Instruction, for which the Department of Maintenance Training has proponency, was completed.

During July, the AH-1G Cobra Aviator Courses were relocated from Hunter Army Airfield to Ft Rucker. The first class began its maintenance training with the Department in August. By September all lesson plans, training aids, and instruction on AH-1G maintenance had been rewritten and updated to conform with USAAVNS requirements.

In October, PVT Linda Plock began UH-1 enlisted maintenance training. Maintaining a consistently high academic average, she graduated on 10 December 1973 as the first

female enlisted aircraft mechanic trained in the Department of Maintenance Training.

Also in October the Department completed development of a self-paced program for Initial Entry Rotary Wing Aviator Maintenance Training. Validation and implementation phases are scheduled for January and February 1974.

After initial planning began in early 1973, two large UH-1 Electrical Trainers were scheduled for return to Bell Helicopter Corporation for refurbishing and modernization. The first trainer was shipped in November with a scheduled return of February 1974.

Under the Cost Reduction Policy, the Maintenance Support Division saved \$280,674.40 in operating costs while continuing to provide the necessary mission support which included:

Repair of battle damaged aircraft to category "C" training standards.

Painting and/or assembling of 12 aircraft for the USAAVNC Museum or Precision Flight Team.

The inspection and maintenance of thirty (30) training airframes and two (2) flyable aircraft.

## DEPARTMENT OF ARMY WIDE TRAINING SUPPORT

### ORGANIZATION

The Department of Army-Wide Training Support, formerly known as Department of Nonresident Instruction (NRI) (name changed and department reorganized IAW message 202326Z Mar 73, subject; Change of Name of Nonresident Instruction Department, and DA Pam 570-588, Sixth Draft Staffing Guide for US Army Service Schools, dated 1 July 1973, respectively) was organized into the Office of the Director; Administration and Student Processing Division; Course Development Division; and Nonresident Instruction Supply Division. In May 1973 the department relocated to the Old Hospital Area - Buildings 8729, 8730, 8731, 8744, and 8745.

Due to the US Army Aviation School reorganization, in July 1973 the U.S. Army Aviation Digest was transferred to the Deputy Assistant Commandant for Combat and Training Developments.

### MISSION

Within the United States Army Aviation School, prepare and revise, in coordination with resident departments, correspondence course materials pertaining to Army aviation; administer correspondence courses; serve as program coordinator for all Reserve component training support activities of the School; procure, store, and issue instructional material for nonresident students and resident material for qualified activities of Reserve and active Army; distribute the Annual Written Examination; and distribute other special projects when directed.

### PERSONNEL

Mr. Thomas J. Sabiston was Department Director during the entire year.

As a result of the Civilianization Program three enlisted spaces were converted during the year to civilian spaces - one clerk typist, one supply clerk, and one clerk. As of 31 December 1973 authorized strength was one officer, two enlisted men and 21 civilians and the assigned strength was one officer, two enlisted men and 21 civilians.

### ACCOMPLISHMENTS

The Course Development Division completed development of the Aviation Warrant Officer Intermediate Correspondence Course, E-30, and the Aviation Accident Prevention Management Correspondence Course during the year. They were presented to the field in July 1973. The former course was redesignated as the Aviation Warrant Officer Advanced Correspondence Course, E-32, in December 1973. Work was also initiated in three other professional development correspondence courses during the year after HQ TRADOC approved the proposed Programs of Instruction. These courses, the Air Traffic Control NCO Basic (NCOES), E-40, Air Traffic Control NCO Advanced (NCOES), E-42, and Warrant Officer Senior Course, E-32, are scheduled for the field early in the 4th Quarter of FY 74. The latter course will be offered to all Army warrant officers, regardless of branch specialty, as the warrant officer equivalence to the Commissioned Officers Command and General Staff College.

During 1973 the following subcourses were developed:

AVN 32	Human Factors in Aircraft Accident Prevention, Mar 73
AVN 34	Aviation Shop and Flightline Safety, Mar 73
AVN 301	Personal Financial Management, Jun 73
AVN 308	Antennas and Field Expedients for Antennas, Jan 73
AVN 309	Chemical and Radiation Detection Equipment, Jun 73
AVN 310	Airborne Radiological Survey, Jun 73
AVN 317	Airfield Operations, Mar 73
AVN 333	Fire Detection Procedures and Aerial Artillery, Jan 73
AVN 340	Aviation Medicine, Mar 73
AVN 341	Medical Support of Army Aviation, Mar 73
AVN 347	Contracts and Contract Administration, Mar 73
AVN 355	Damaged Aircraft, Apr 73
AVN 361	VHF Omnidirectional Range (VOR), Jan 73
AVN 362	Automatic Direction Finder (ADF), Jan 73
AVN 363	Radio Magnetic Indicator (RMI), Jan 73
AVN 364	Airborne Weather Radar and TACAN, Apr 73
AVN 366	Aerodynamics, May 73
AVN 854	Aircraft Propellers and Bearings, Dec 73
AVN 857	Introduction to Aircraft Maintenance, Oct 73

During 1973 the following subcourses were revised:

AVN 5	Designation, Characteristics, and Weight and Balance of Army Aircraft, Aug 73
AVN 6 (365)	Weather Elements, Reports and Forecasts, Feb 73
AVN 7	Emergency Procedures, Feb 73
AVN 8 (370)	Flight Regulations and Air Traffic Control, Feb 73
AVN 9	Administration and Logging of Flight Time, Jan 73
AVN 10 (371)	Basic Air Navigation and Flight Information Publications, Feb 73

AVN 18	Army Aviation Orders and Command Relationships, May 73
AVN 21	Communications, Feb 73
AVN 57	Ground Handling, Auxiliary Ground Handling Equipment, and Mechanics Handtools, Jan 73
AVN 60	Airfield Operations and Crash Rescue, Jan 73
AVN 75	Tactical Mapreading, May 73
ISS 279	Organization and Roles of Army Aviation (Basic), May 73
ISS 280 (AVN 15)	Organization and Roles of Army Aviation (Advanced), Jun 73
AVN 569	Crash Safety Concepts, Nov 73
AVN 573	Aircraft Structures, May 73
AVN 601	Basic Weather Elements, Nov 73
AVN 801	Organizational Aircraft Maintenance (Supervisors), Oct 73

Student enrollment totaled 4,935 and 50,954 lessons and examinations were processed in the Administration and Student Processing Division

Revisions made in support of nonactive Army (Reserve components) personnel were:

Organization and Roles of Army Aviation (1973-1974) (USAR Kit)

The Roles of Army Aviation (ROTC)

## DEPARTMENT OF UNDERGRADUATE FLIGHT TRAINING

### ORGANIZATION

On 1 July 1973, the Department of Advanced Flight Training was redesignated - "The Department of Undergraduate Flight Training". Complete prior planning and interdependent coordination facilitated a smooth transition with no loss of training. At the beginning of the year, initial entry flight training was conducted through three divisions - Instrument Qualification Division, Contact Flight Division, and Tactical Training Division.

On 17 April 1973, Primary Flight Division was originated as a part of DUFT. On 24 April 1973, the Consolidated Task Force was organized to facilitate the smooth and orderly flow of the mission at Ft Wolters, Texas, to the Primary Flight Division at Ft Rucker. CONARC and DA implementing instructions were received on 30 April 1973, and on 2 May 1973, Primary Flight Division started functioning with the assignment of two officers. Contract negotiations were started in late April and a flight contract was subsequently let to Doss Aviation to conduct the primary flight training program. By the end of the year all initial entry flight students were reporting directly to Ft Rucker, Alabama, for their entire flight training program. They are sequenced initially into the Primary Flight Division, followed by the Instrument Qualification Division and then into the Advanced Flight Division.

### MISSION

The Department of Undergraduate Flight Training's primary mission is to conduct primary, instrument and advanced rotary wing initial entry flight training for officers, warrant officers, warrant officer candidates and allied officers.

### PERSONNEL

Colonel John H. Richardson was the Department Director through the year 1973; LTC Richard K. Dietsch was the Deputy Director until 25 May 1973. LTC Benny L. Himes served as Acting Deputy Director from 26 May 1973 until 30 September 1973. LTC Hubert D. Merritt was initially assigned as the Contracting Officer's Representative and Primary Division Commander on 21 May 1973. He was subsequently reassigned as Deputy Director on 1 October 1973.

Department of Undergraduate Flight Training experienced a turnover rate of 55% during the year. This was a 19% improvement over the year 1972. Authorized strength for the department at the close of the year was as follows: Officers - 155; Warrant Officers - 192; Enlisted Men - 49; Civilians - 70. Assigned strength was: Officers - 124; Warrant Officers - 204; Enlisted Men - 37; Civilians - 67.

### ACCOMPLISHMENTS

In 1973 a total of 1017 initial entry rotary wing students graduated and received the wings of an Army aviator. One hundred and forty-one Air Force students and 70 allied students graduated from initial entry flight courses during 1973. This is a total of 1228 students that completed flight training under the guidance of the Department of Undergraduate Flight Training. The allied students trained represented the following

countries: Iran, Spain, Dominican Republic, Thailand, Chili, Norway, Guatemala, Germany, Jordan, Republic of Vietnam, Panama, Cambodia, Venezuela and Paraguay. In accomplishing this training 139,358 aircraft hours were flown and 9,210 hours were flown in the new Synthetic Flight Training System.

A determination in late 1973 that aviators needed to be better prepared for a mid to high level intensity conflict, resulted in the implementation of "Tactical-nap-of-the-earth" (TNOE) training. This training began with Officer and Warrant Officer Rotary Wing Aviator Courses 73-7/8 on 19 March 1973. The new program has been very successful.

A comprehensive management improvement program was initiated with the initial objective of combining two flight training divisions. The purpose was to reduce operating costs, increase operating efficiency, reduce instructor/student changes and to improve flight instruction and standardization. Subsequently, approval was granted to consolidate the Contact Flight Division and the Tactical Training Division on 17 September 1973. This consolidation resulted in the elimination of 20 manpower spaces with a cost reduction/savings of \$128,300 for the remainder of the fiscal year.

An Emergency Procedures Safety Check Failsafe Program utilizing the 2C-35 procedural trainer was initiated to insure that all instructor pilots receive thorough emergency procedures training, especially in emergencies that are difficult or impossible to simulate in the actual aircraft.

Four training vehicles were utilized throughout the year for student training. The TH-55 during Primary training - 100 hours; the Synthetic Flight Training System (2B24) 7.5 hours, UH-1 Procedural Trainer (2C35) - 4 hours, and the UH-1 - 42.5 hours during the instrument training; and the UH-1 - 50 hours during Advanced Flight Training. In addition, the Synthetic Flight Trainer (2B3) was utilized as needed for instrument flight remedial training.

An initial test of the one IP concept was begun on 9 July 1973. This concept is that students will have one IP throughout the instrument stage of instruction. The instructor pilot will start with his students in the Synthetic Flight Training System (2B24) and continue the training in the UH-1 on the flight line. A subsequent test was started on 10 December 1973 with six students (three officers and three warrant officer candidates). This test was also to confirm the feasibility of giving the students 20 hours in the SFTS and 30 hours in the aircraft and completing the instrument training program with the same standard as for those students in the regular course.

A test of a new instrument flight "hood" device was completed on 6 August 1973. The new hood is a one piece molded plastic device that was originally developed by the Training Aids Service Office at Ft Carson, Colorado. Favorable comments were received from all instructors and students who evaluated the device and it has been issued in sufficient quantities to all those in need.

The "Grey Eagles", a group of eleven of the most experienced instructors within the Instrument Qualification Division was formed on 15 June 1973. This group, which represents a total of 80,000 plus flying hours, assisted the Division Commander in addressing specific means of improving teaching techniques and curriculum.

During the year, the Department of Undergraduate Flight Training had a total of seven accidents with three fatalities. The accident rate per 100,000 flying hours was 6.3 for the calendar year. A number of awards for safety were presented to the department. A Bronze Plaque Award was presented to Contact Flight Division (DAFT) on 11 April 1973, for 70,247 accident free flight hours. A Bronze Plaque Award was presented to UTT Br I,

DUFT, on 27 July 1973, for an excellent accident prevention program and a superior accident rate for 12 months. A Bronze Plaque Award was presented to Br I, IQD, DUFT, on 27 July 1973, for 20,000 accident free flight hours during a period of at least six months. A Bronze Plaque Award was presented to Contact Flight Division, DUFT, on 10 October 1973, for a superior accident rate for 24 months. The Daedalian Foundation Award for Aviation Safety was presented to Br I, CFD, DUFT, on 1 November 1973. A Bronze Plaque Award was presented to IQD, DUFT on 27 November 1973, for 28,043 accident free flight hours during the last six months. In addition to the awards mentioned above, many of the instructor pilots received the Third Army Commanding General's Award for Merit (1000 hours of accident free time) or the Third Army Commanding General's Award of Honor (5000 or more hours of accident free time.) Five aviators received the Broken Wing Award for safely landing an aircraft without damage to the aircraft or injury to the occupants after having experienced an inflight emergency.

Civilian employees received awards as follows: Outstanding Performances - nine; Certificates of Achievement - nine.

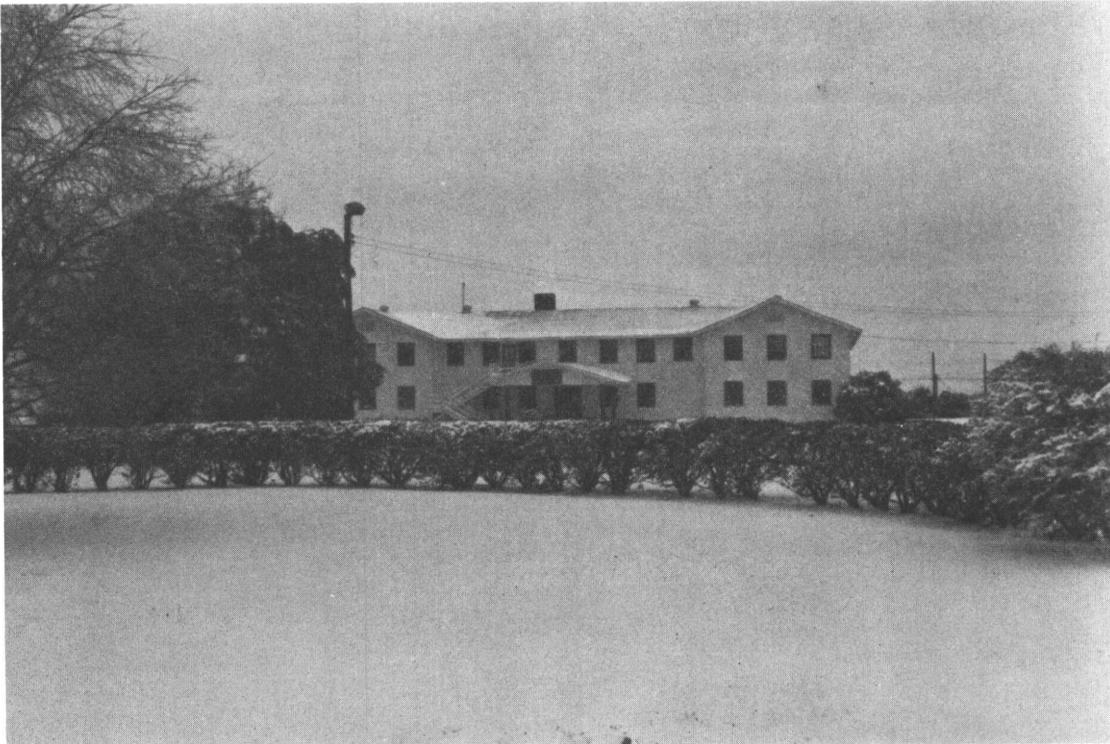
A large number of VIP briefings were conducted during the year. These were given to senior officers from the Army and Air Force and to officers from allied countries including France, Canada, Australia, Germany, New Zealand, Great Britain, Sweden and Israel. In addition to the above, briefings were presented to members of the House of Representatives NATO Workgroup, a counselor to the US Senate, a newspaper columnist and leaders of civilian defense industries. Over 50 orientation briefings were given to college, high school and junior high school ROTC students, USMA cadets, and all incoming IERW classes.

Recap of Milestones during 1973 of Historical Significance:

- 19 Mar Tactical- nap-of-the-earth training began with ORWAC/WORWAC 73-7/8.
- 1 Jul Primary Contract awarded to Doss Aviation
- 16 Jul Shell Army Heliport activated (major installation).
- 30 Jul WOC Class 74-9, Primary I preflight began at USAAVNC/S.
- 15 Aug Officer Class 74-10, Primary I preflight began at USAAVNC/S.
- 27 Aug The first Primary (Class 74-9/10) Flight Training began at Hanchey (ORWAC/WORWAC 74-9/10)
- 17 Sep Consolidation of the Contact Flight Division and the Tactical Training Division to form the Advanced Training Division resulting in a savings of \$128,300.
- 19 Sep LT Sally D. Woolfolk, the very first woman to begin Army Aviation Flight Training, was introduced to the flight line with her classmates of ORWAC 74-14.
- 22 Oct Primary II Flight Training began at Shell Army Heliport
- 5 Nov VNAF Primary preflight began at USAAVNS.
- 19 Nov VNAF Primary Flight began at Hanchey AHP.

30 Dec

A tornado moved through the area and totally destroyed buildings on both sides of DUFT Hqs. The DUFT Hqs building suffered extensive damage to walls, roof, stairways and windows; however, business as usual was resumed on 2 January 1974.



## DEPARTMENT OF GRADUATE FLIGHT TRAINING

### ORGANIZATION

The Department of Graduate Flight Training consists of a Headquarters and three divisions - Operations Division, Fixed Wing Instrument Division and Rotary Wing Division with an authorized strength of 59 officers, 17 warrant officers, 40 enlisted and 40 Department of the Army civilians. The Department was responsible for the conduct of 34 different courses of instruction in 11 types of aircraft.

### MISSION

Responsible for the conduct of all advanced rotary and fixed wing courses of instruction conducted at the United States Army Aviation School to include gunnery and instructor pilot courses. Serves as Contract Officer Representative for Fixed and Rotary Wing Flight Training Contracts.

### PERSONNEL

LTC Bill G. Lockwood became Acting Department Director on 7 March 1973 upon the retirement of Colonel Jack Cranford. Colonel James G. Humphrys was assigned as Department Director on 30 April 1973.

### ACCOMPLISHMENTS

The Operations Division is responsible for the development of flight training plans and advises the Director on the presentation of instruction by Department resources, as well as the application of doctrine, tactics and techniques. Coordination and scheduling of training in 11 types of aircraft and coordination and scheduling of numerous training sites and facilities is also accomplished by the Operations Division.

The Fixed Wing Instrument Division conducts advanced fixed and rotary wing flight qualification courses, rotary wing instrument training courses, fixed wing and rotary wing instrument examiner training, instrument MOI and multi-engine pilot training using T-41, T-42, U-8, U-21, OV-1 and UH-1 aircraft. The division also monitors and evaluates flight training conducted by civilian contractors.

The Rotary Wing Division conducts advanced rotary wing flight qualification and multi-engine pilot transition in the OH-6, OH-58, UH-1, CH-47, CH-54 and AG-1G aircraft. A major portion of the training in the CH-47 and CH-54 aircraft involves load operations.

During CY 1973, 1107 students graduated from courses conducted by the Rotary Wing Division and 545 students graduated from courses conducted by the Fixed Wing Instrument Division for a total of 1652 graduates.

Included in the totals above were 154 students from allied countries.

During this year the OH-6 and OH-58 Aviator Qualification Courses and the Rotary Wing Instrument Refresher Course were deleted from the list of courses taught by this Department.

The Instrument Examiner Branch completed 100,000 hours of accident-free flying time in June 1973.

In June 1973 the "Third Army Commanding General's Trophy of Outstanding Achievement in the Field of Aviation Safety and Accident Prevention" was presented to the Department.

On 26 September 1973 the Department completed one full year without an aircraft accident and was presented a USAAVNS plaque for this accomplishment.

In July 1973 the Department started a Special Refresher Training Program for returned Prisoners of War. By the end of CY 73, nine students had reported for training and five had completed. This training consists of approximately ten hours of UH-1 contact refresher with a proficiency completion followed by instrument training in the UH-1 - finalized by the issuance of a Standard Rotary Wing Instrument Ticket. This is normally followed by OH-58 transition training if desired by the student.



## DEPARTMENT OF STANDARDS & INSTRUCTOR TRAINING

### ORGANIZATION

The Department of Standards and Instructor Training ceased to function as a flight department on 1 Dec 1973. On this date the Operations Division and the Instructor Training Division, less the Academic Branch, were placed under the operational control of DGFT. The Academic Branch, ITD was placed under the operational control of DGS. Effective 7 January 1974 the Department was reorganized as the Office of Standardization. The Standards Division, DSIT was redesignated a branch, and with the combined Quality Control Branches of DGFT and DSIT comprise the two branches in the Office of Standardization.

### 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 Flight Standardization Program, insures standardization of all USAAVNS flight and academic training, and conducts all aerial gunnery 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

### ACCOMPLISHMENTS

Standards Division, DSIT, in continued support of the Army Aviation Standardization Program, has continued to discharge its responsibilities as the proponent agency for providing flight standardization for aircraft operating techniques and procedures worldwide. This task has been partially accomplished by the continued revision of the Flight Standardization Packets established in CY 1972. Worldwide distribution of the packets continues to be made through the Department of Army-Wide Training Support.

In March 1973, the Standardization Branch transferred its functions to the Deputy Assistant Commandant for Combat and Training Development. These functions included the proponenty for the annual written examination as well as technical input to the various aircraft operator's manual and -10C1. This move reduced the function of the Division. However, the proponenty as the referral agency for Army Worldwide questions concerning aviation flight standardization remained with the Division. The Standardization Instructor Pilot Branch has continued to provide technical input to the various operator's manuals and other flight associated publications, as the Division retained a review

function for all publications pertaining to standardized operating procedures. This is further evidenced by the over 2500 manhours expended in the CY reviewing various aviation publications.

The Standardization Instructor Pilot Branch continues to perform all instructor pilot end-of-course evaluations. Additionally, the Branch is tasked with performing academic, flight simulator, medical evaluations and USAAVNS IP equivalency evaluations from other Army units. In CY 1973, over 1100 flight evaluations were completed, in addition to the other evaluations, as well as 171 IP equivalency evaluations. The Standardization Branch also provides teams to assist various requesting agencies in their standardization program. To date, some 25 assistance visits have been conducted. These visits have evaluated both FORSCOM and TRADOC units, as well as NG-AR units. Geographical areas covered range from Alaska to Panama Canal Zone.

A member of the Standards Division was selected to attend both Sikorsky and Boeing evaluations on the new UTAAS.

Standards Division representatives attended the FORSCOM Safety Conference at Ft Bragg, North Carolina, and presented a program on how USAAVNS was established and conducts nap-of-the-earth training. Another conference attended was the First Army Standardization Conference; Standardization Program and how assistance visits are conducted were discussed.

CY 1973 was an accident-free year for Standards Division.

In CY 1973, Instructor Training Division trained 195 UH-1 IP's, 23 CH-47 IP's, 104 OH-58 IP's, 14 OH-6 IP's, 8 M-22 IP's, 10 AH-1G IP's, and 76 AH-1G AQC students for a total of 430 rotary wing pilots trained in DA courses. Also, Instructor Training Division trained an additional 67 rotary wing instrument IP's, 4 AH-1G IP's, and 154 Contact, Tactics, and NOE IP's for the Aviation School. During CY 73 Rotary Wing Instrument Fixed Wing Training Branch trained 19 U-21 IP's, 19 U-8 IP's, 7 OV-1 IP's and 11 local T-42 IP's for a total of 56 FW IP's.

During Jul 73, the AH-1G AQC and IP training element from Hunter AAF arrived Ft Rucker as a part of the School Consolidation Program. Flight Training began on 1 Aug 73 utilizing Ech Stagefield and Matteson Range.

The Instructor Training Division flew in excess of 19,000 accident free hours during CY 1973. Of particular interest is the record of the NOE flight, Tactical Training Branch; the IP's assigned to the flight flew 5100 accident/incident free flight hours of which the majority was flown in the nap-of-the-earth environment.

# UNITED STATES AVIATION PRECISION DEMONSTRATION TEAM

## ORGANIZATION

Unit organized as a special activity of TRADOC (General Order 16, 15 Feb 73), to support the US Army Information Program and to support US Army Recruiting Command Program.

## MISSION

To contribute to the public understanding of the role of Army aircraft by demonstrating proficiency and versatility in the performance of precision helicopter flight before both military and civilian audiences, and in conjunction with these demonstrations making personal appearances, in order to:

a. Demonstrate the unique precision flying capability inherent within helicopter operations.

b. Generate appreciation for the high degree of professional skills, teamwork and responsiveness required in helicopter operations; and assist the US Army personnel procurement effort by stimulating interest in the career opportunities available in the aviation program.

## PERSONNEL

Personnel status throughout the year was as follows:

	<u>Off</u>	<u>WO</u>	<u>EM</u>	<u>Civ</u>	<u>Total</u>
Authorized	6	6	18	1	31
Assigned	6	6	18	1	31

Commander during CY 73:

LTC Donald S. Galla

## ACCOMPLISHMENTS

Team training commenced 2 Jan 73 and included flight training as well as a personal physical fitness program.

Silver Eagle aerial demonstrations during 1973 were viewed by over one million spectators in 20 different states. Some of the larger air shows in which the Silver Eagles performed were in Cleveland, Ohio; Reading, Pennsylvania; Chicago, Illinois; Tulsa, Oklahoma; Oshkosh, Wisconsin; and Willow Grove, Pennsylvania.

Team autograph sessions were held following the aerial demonstrations at the Volunteer Army Exhibits with over one-half million team pictures distributed to the public. Public appearances were also made by team members at high school assemblies and shopping centers. Team members also participated in TV, radio, and newspaper interviews.

An Open House was held by the Silver Eagles at Knox AHP on 10 Oct 73 with approximately 1,500 persons attending.

During the 1973 show season, the Silver Eagles spent 118 days TDY performing demonstrations and representing the Army before the general public in 40 different locations across the United States.



## **chapter 3**

# **USAAVNC S SUPPORT UNITS**



## HEADQUARTERS COMMAND

### ORGANIZATION

Headquarters Battalion consists of the following units:

- Headquarters Company
- A Company
- B Company
- D Company
- E Company
- F Company

Attached units:

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

Effective 20 June 1973, pursuant to General Orders Number 230, Headquarters, United States Army Aviation Center and Ft Rucker, Ft Rucker, Alabama, dated 6 August 1973, the Marksmanship Detachment was reassigned to the 46th Engineer Battalion.

Effective 17 December 1973, pursuant to General Orders Number 355, Headquarters, United States Army Aviation Center and Ft Rucker, Ft Rucker, Alabama, dated 13 December 1973, Headquarters Command was redesignated Headquarters Battalion.

Effective 26 December 1973, pursuant to General Orders Number 364, Headquarters United States Army Aviation Center and Ft Rucker, Ft Rucker, Alabama, dated 21 December 1973, the WAC Company was redesignated A Company.

### MISSION

To provide command and control to units assigned and attached to Headquarters Battalion 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.

### PERSONNEL

Commanding Officer for CY 73 was:

LTC Jonah B. Davis, Jr.

Command Sergeant Major for CY 73 was:

CSM Robert S. Payne

Average strength for Headquarters Battalion during CY 73 was:

	<u>OFF</u>	<u>EM</u>
Assigned	174	1203
Attached	1	237

#### ACCOMPLISHMENTS

In April, Headquarters Battalion underwent its Annual General Inspection and all units obtained Satisfactory ratings.

The following individuals were selected as Ft Rucker Soldier of the Month:

February	SP4 James A. Calhoun, Jr.	D Co
April	SP4 Dale S. Hays	E Co
May	PFC James D. Wallis	D Co
June	SP4 Brewer W. Leggett	F Co
August	PV2 Michael L. Freeman	F Co
October	SP4 Marvin K. Barker	F Co
December	PFC James S. Farber	F Co

Headquarters Battalion held its first Organization Day Celebration on 1 August 1973.

Headquarters Battalion won the First Place trophy for its Christmas decorations.

Headquarters Battalion was recognized for having 100% participation in the 1973 Combined Federal Campaign.

#### HEADQUARTERS COMPANY

##### PERSONNEL

Commanding Officers for CY 73 were:

Major Patrick W. Merten	30 July 72 to 22 July 73
CPT Robert McComiskie	22 July 73 to 9 August 73
MAJ Harry R. Culp, Jr.	9 August 73 to present

Executive Officers for CY 73 were:

CPT Robert McComiskie	14 August 72 to 22 July 73
1LT Ralph M. Buie	9 August 73 to 14 August 73
	15 August 73 to present

First Sergeants for CY 73 were:

1SG George H. Jordan	to April 73
1SG Robert F. Harrell	April 73 to present

Headquarters Company has maintained an average monthly strength of 400 personnel during 1973. This figure is comprised of approximately 300 enlisted men, 90 garrison officers, and a varying number of transient personnel. Present guidelines and manning doctrine

indicate that Headquarters Company should increase to a FY end strength of approximately 600 assigned officers, warrant officers, and enlisted personnel.

#### ORGANIZATION

Headquarters Company was organized on 15 September 1972, pursuant to General Orders Number 566, Headquarters, United States Army Aviation Center, dated 11 October 1972.

#### MISSION

To perform command, administrative, training, supply, billeting, and recreational functions for all assigned or attached personnel. Additionally, Headquarters Company maintains a transient facility for newly assigned personnel awaiting ultimate unit assignment at Ft Rucker, for individuals held at Ft Rucker awaiting processing of compassionate reassignment requests and related actions, and for AWOL returnees. A periodic function of the company's transient facility is to provide billets for visiting groups of personnel such as TRADOC athletic teams, Boy Scout and Girl Scout units, marksmanship contingents, and National Guard and Reserve Personnel.

#### ACCOMPLISHMENTS

In March 1973, Headquarters Company was moved from Building 4503, a permanent barracks structure, to Building 3921 in order to renovate Building 4503 for future occupancy. The members of Headquarters Company are presently occupying Buildings 3901, 3902, and 3903 as temporary barracks while Building 3921 is being utilized for the orderly room and housing the company's administrative functions. This move was accomplished in an orderly and efficient manner under the command of MAJ Patrick W. Merten. The completion date for the renovation of Building 4503 is projected for early May 1974 and at this time Headquarters Company will relocate in Building 4503.

The Headquarters Company Bowling Team performed in an exceptional manner during the month of May and won the Copper Intramural League Championship. At Post Intramural level, the team finished second runner-up at the conclusion of the competition.

Consolidated Mail Room #6 completed the year in an outstanding manner, being named the outstanding consolidated mail room for December 1973. LTC Jonah B. Davis, Jr., Commander, Headquarters Battalion, presented the award to 1LT Ralph M. Buie, Postal Officer, and PFC Michael Haygood, mail clerk, on 19 December 1973. Consolidated Mail Room #6 serves an estimated 800 individuals within Headquarters Battalion.

#### A COMPANY

##### PERSONNEL

Commanding Officer for CY 73 was:

1LT Joyce L. Read

Executive Officer for CY 73 was:

2LT Eileen M. Welsh

to 10 December 1973

First Sergeants for CY 73 were:

1SG Mary Bass  
1SG Edna Anning

to 10 August 73  
10 August 73 to present

## ORGANIZATION

Effective 26 December 1973, pursuant to General Orders Number 364, Headquarters, United States Army Aviation Center and Ft Rucker, Ft Rucker, Alabama, dated 21 December 1973, the WAC Company was redesignated A Company.

## MISSION

To support the United States Army Aviation Center/School, provide command, administration training, supply, billeting, rations, and military justice for all assigned and attached personnel.

## ACCOMPLISHMENTS

Won post award for best unit mail room five times during CY 1973.

Won post reenlistment award twice during CY 1973.

Tennis team won Third United States Army Tennis Team Championship held at Ft Bragg, NC.

Pistol team was the only WAC team to compete in the Third United States Army Pistol and Rifle Matches held at Ft Benning, Georgia.

Acquired two barracks buildings to billet female students attending Flight Operations Specialist Course and Air Traffic Controllers Course.

Won post trophy for outstanding unit Christmas decoration for third consecutive year.

CY 1973 saw the following firsts at Ft Rucker:

First females to attend an Officers Rotary Wing Class.

First female surveyor assigned to the 46th Engineer Battalion.

First female helicopter repairwoman.

First female ambulance drivers.

First female Air Traffic Controllers assigned to Troy Army Airfield, Troy, Alabama.

First female Warrant Officer Candidates.



**NO IDENTITY PROBLEM**—Since she is one of a kind, Second Lt. Sally Woolfolk is easily identified in her Officers Rotary Wing Aviator class at Fort Rucker, Ala. Lieutenant Woolfolk, from Kansas, is the first woman to begin helicopter flight training at the Army Aviation School.



Pvt. Diana M. Moore of Dallas, Tex., demonstrates the skill she has developed with a Dumpy-Level, a surveyor's instrument, as the first WAC surveyor assigned to Fort Rucker, Ala. Private Moore is attending a nine-week surveyor course of on-the-job-training with the 46th Engineer Battalion and plans to hold a position with the unit's surveyor section upon graduation.

## ***What's Ahead?***

## B COMPANY

### PERSONNEL

Commanding Officers for CY 73 were:

MAJ Ronald D. Renfro	to February 1973
MAJ Joe J. Matthews	February 1973 to present

Executive Officers for CY 73 were:

CPT John H. Lowe	April 72 to March 73
CPT Steven A. Masak	April 73 to July 73
1LT David Hepburn	July 73 to present

First Sergeant for CY 73 was:

1SG Daniel L. Holder

Included in the personnel of this unit are individuals who work for the Directorate, Communications and Electronics; Directorate, Facilities Engineering; Directorate, Industrial Operations; and Post Photo Lab.

### ORGANIZATION

Headquarters Number 2, USAAVNC&FTR, was redesignated B Company, Headquarters Command pursuant to General Orders Number 17, Headquarters, United States Army Aviation Center, dated 22 February 1971.

### MISSION

To provide quarters, training, administration, supply, and military justice for all assigned and attached personnel.

### ACCOMPLISHMENTS

Officers who work in duty sections under the above listed Directorates were transferred from Headquarters Detachment Number 1 to B Company.

Company party held in the Spring at the EM Beach, Lake Tholocco. There was plenty of food and drink and everyone had a good time.

July 1973 - Personnel whose duty sections were under the Directorate, Communications and Electronics were reassigned to USA STRATCOM Agency.

August 1973 - Company area was opened to Officers wives tour.

October 1973 - Colonel Buchanan, DCO, cut the ribbon reopening the Day Room in Building 4301. The Day Room had been closed since July 1973 for renovation. Remodeling consisted of two pool tables, one fussball machine, beer dispensing machine, wall to wall carpeting, custom draperies, card tables, dart board, and air conditioning. Over \$3,000.00 was spent on renovating this area for the use of assigned personnel and their guests. In addition, a reading room was established and desks were set up for letter writing. This room was also carpeted and airconditioned. The Headquarters Battalion Commander, Post CSM, and Battalion CSM were present at the ceremony.

PV2 Reginald C. Head was selected by Major General Maddox as the first individual to reinstate Ft Rucker's Peer Recruiting Program. He is presently on duty in Enterprise, Alabama.

A Christmas party was held in the Day Room on 19 December 1973. There was plenty of food and drink and the holiday season got off to a good start.

Headquarters Battalion sponsored the blood drive for the post for the period September through December 1973. B Company provided the project officer. The program collected over 350 units of blood in three drives.

#### D COMPANY

##### PERSONNEL

Commanding Officers for CY 73 were:

CPT Charles M. Ryland	18 August 1972 to 17 August 1973
CPT Russell H. Blanchard	17 August 1973 to present

Executive Officers for CY 73 were:

1LT Thomas H. Griffis	12 October 1972 to 2 August 1973
2LT Thomas Aiello	2 August 1973 to present

First Sergeant for CY 73 was:

1SG Willis C. Kinard

Average personnel strengths for CY 73 were:

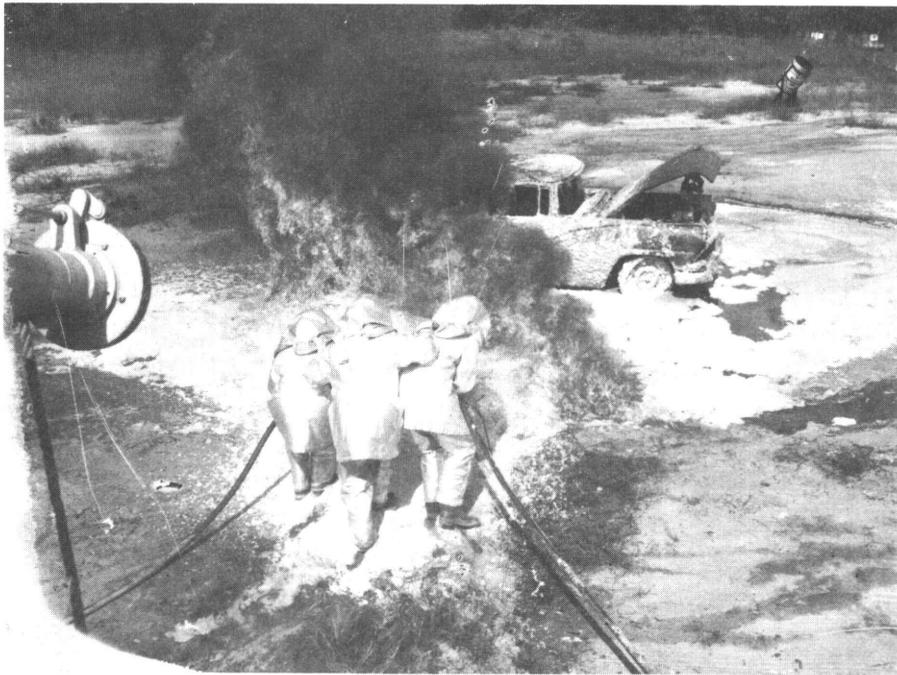
	<u>OFF</u>	<u>EM</u>
Assigned	2	134
Attached	0	39

##### ACCOMPLISHMENTS

During CY 1973, firefighter personnel of D Company, under operational control of the Directorate, Facilities Engineering, responded to approximately 1526 incidents. These involved structural incidents as well as aircraft crashes and fires of a general nature. There were 13 mutual aid calls, where D Company personnel assisted civilian communities in fighting fires and saving lives. D Company personnel assigned to FLATIRON, Ft Rucker's crash rescue helicopter unit, responded to 633 incidents, of which 40 were major aircraft accidents, and eleven missions assisting civilian communities. D Company trained 163 personnel in fire fighting techniques during this calendar year. This is the only fire fighting training facility in the U.S. Army.

SP4 James A. Calhoun, Jr., was selected as Headquarters Battalion Soldier of the Month for the month of January 1973.

PFC James D. Wallis was selected as Headquarters Battalion Soldier of the Month for the month of April 1973.



E COMPANY

PERSONNEL

Commanding Officers for CY 73 were:

MAJ Robert T. Hackett	September 1972 to June 1973
MAJ Lott Lawson, III	June 1973 to present

Executive Officers for CY 73 were:

1LT Ernest O. Nolen	January 1973 to August 1973
2LT Frank A. Tovar	August 1973 to present

First Sergeants for CY 73 were:

MSG Jessie L. Johnson	February 1972 to April 1973
1SG Jack L. Green	April 1973 to present

ORGANIZATION

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

MISSION

To man and to provide administrative support to the Base Airfield Support Division, Airfield Operations.

ACCOMPLISHMENTS

SP4 Dale S. Hays was selected as Headquarters Battalion Soldier of the Month for the month of March 1973.

April 1973 - Staff Sergeant Roger W. Yates was selected Ft Rucker Air Traffic Controller of the Year.

SP4 James M. Walker was selected as Headquarters Battalion Soldier of the Month for the month of August 1973.

October 1973 - Specialist Five Jon T. Eubanks graduated from TUSA NCO Academy and attained Commandant's List status for his academic achievement and leadership performance.

October 1973 - Specialist Four James L. Gagerlie was selected as Distinguished Graduate, Class 501-80, Air Traffic Control Course.

F COMPANY

PERSONNEL

Commanding Officers for CY 73 were:

MAJ James Jinks	to June 73
MAJ William H. Dick	June 1973 to present

Executive Officer for CY 73 was:

CPT Harvey Monk

to October 73

First Sergeant for CY 73 was:

1SG James A. Dodson

Personnel assigned to F Company perform duty at tactical GCA sites, stagefields, and at Tac Runkle. Personnel strength of F Company has varied from a low of 192 in January to a high of 251 in May.

#### ORGANIZATION

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

#### MISSION

To provide command, administration, training, supply, billeting and recreational facilities, and military justice for all assigned and attached personnel.

#### ACCOMPLISHMENTS.

May 1973 - Annual General Inspection was conducted by the Ft Rucker Inspector General's Office. Very few shortcomings were noted and the entire unit was commended for the vast improvement since the preceding inspection.

June 1973 - Company picnic was organized and held at EM Beach, Lake Tholocco. Food and beverages were furnished by the Unit Fund.

The company Slo-pitch Softball Team finished fourth in their league.

The company Bowling Team is currently in second place in the Golden Intramural Bowling League.

Individual achievements of personnel assigned to F Company during CY 73:

SP4 Gary W. Abel was selected as Headquarters Battalion Soldier of the Month for the month of February 1973.

SP4 Brewer W. Leggett was selected as Headquarters Battalion Soldier of the Month for the month of May and Post Soldier of the Month for the month of June 1973. SP4 Leggett was also an Honor Graduate of Operations School.

SP4 Patrick C. Bushta was selected as Headquarters Battalion Soldier of the Month for the month of June 1973.

SP4 Michael L. Freeman was selected as Headquarters Battalion Soldier of the Month for the month of July and Post Soldier of the Month for the month of August 1973.

SP5 Richard D. Wessell - Honor Graduate of NCOA.

SP5 Claude Tinsley - Honor Graduate of NCOA.

SP5 Anthony Sanichara - Honor Graduate of NCOES.  
 SP5 Larry W. Perry - Honor Graduate of NCOES.  
 SP5 William Harris - Distinguished Graduate at NCOES.

SP4 Marvin K. Barker was selected as Headquarters Battalion Soldier of the Month for the month of September and Post Soldier of the Month for the month of October 1973.

SP4 James W. Peak was selected as Headquarters Battalion Soldier of the Month for the month of October 1973.

SP4 James Farber was selected as Headquarters Battalion Soldier of the Month for the month of November and Post Soldier of the Month for the month of December 1973.

SP4 Johnny Ditmore was selected as Headquarters Battalion Soldier of the Month for the month of December 1973 and Post Soldier of the Month for the month of January 1974.

141st MILITARY POLICE COMPANY

PERSONNEL

Commanding Officers for CY 73 were:

CPT Ronald E. DuBay	to 15 August 1973
1LT Charles D. Duke	15 August 1973 to present

Executive Officer for CY 73 was:

1LT Charles D. Duke	to August 1973
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First Sergeants for CY 73 were:

1SG Ki Ok Yu	to 25 May 1973
SSG James E. Bryant	25 May 1973 to 7 August 1973
SSG Richard G. Johns	7 August 1973 to 2 November 1973
1SG Carlos D. Coulson	2 November to present

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

- Motorized Patrol Section
- Provost Marshal Investigators
- Traffic Section
- Military Police Station Personnel
- Physical Security Section
- Post Vehicle Registration
- Game Warden Section

Average personnel strengths for CY 73 were:

<u>OFF</u>	<u>EM</u>
2	81

### ACCOMPLISHMENTS

Company moved from building 4503 to present location in building 3906. Company received reenlistment award for the period 1 July 1972 through 30 June 1973.

### 123d ORDNANCE DETACHMENT (EOD)

#### PERSONNEL

Commanding Officers for CY 73 were:

2LT Herbert S. Campbell	to 1 August 1973
CPT Roderick N. Eiland	1 August 73 to present

First Sergeant for CY 73 was:

MSG Charles L. D. Ball

Average personnel strengths for CY 73 were:

<u>OFF</u>	<u>EM</u>
1	11

#### ORGANIZATION

The 123d Ordnance Detachment (EOD) was activated at Ft Rucker under MTOE 9-520GCA10 effective 4 March 1963.

#### MISSION

To detect, render safe, recover, evaluate, and dispose of U.S. and foreign unexploded ordnance including nuclear which has been fired, dropped, or placed in such a manner as to constitute a hazard to installations, personnel, or material.

To provide explosive ordnance reconnaissance instructors.

To provide salvage officers with technical assistance.

To provide demolition support to Ft Rucker area.

To provide Provost Marshal and Intelligence Corps with assistance.

To provide technical assistance to range officers.

To assist technical Intelligence Officers in neutralizing and inerting explosive items.

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

To furnish EOD support to the FBI and other government agencies as required.

#### ACCOMPLISHMENTS

Detachment personnel responded to 68 explosive ordnance incidents, driving 4,352 miles and utilizing 764 manhours during CY 73. This accounted for over 5,000 potentially hazardous items being recovered by members of this unit.

Personnel assisted the U.S. Secret Service on numerous VIP missions. Included in these were the inaugurations of the President of the United States and of the Governor of Alabama.

In November the unit participated in an annual ORTT at Redstone Arsenal and passed with an overall grade in excess of 90%.

During CY 73 the 123d Ordnance Detachment (EOD) expended over 6,000 man-hours in support of Federal, State, and local law enforcement agencies, through class instruction, explosive and demolition assistance, and technical aid.

#### 98th ARMY BAND

##### PERSONNEL

Commanding Officers for CY 73 were:

1LT Gregory S. Hulse	1 January 1973 to 14 February 73
CW2 Benny R. Easter	14 February 1973 to present

First Sergeants for CY 73 were:

SFC Joseph L. Kuerzi	to 10 February 1973
SSG William E. Schultze	10 February 1973 to 8 June 1973
SSG William G. Jacinto	9 June 1973 to present

Average personnel strengths for CY 73 were:

<u>OFF/WO</u>	<u>EM</u>
1	19

The 98th Army Band has no authorized overhead personnel. All unit administrative functions are performed by band members as additional duties.

##### ORGANIZATION

The 98th Army Band was activated under MTOE 12-107GCA81, dated 24 March 1972.

##### MISSION

To promote and maintain the morale and esprit de corps of the troops by providing music for military ceremonies, formal concerts, and recreational activities.

##### ACCOMPLISHMENTS

Although operating at 60% to 75% strength during CY 73, the band has continued to perform for all post activities such as graduations, orientations, change of commands, retirement and decorations reviews.

The band presented the "Parade of American Music" in February, for which it received the Five Star Award, the second highest award given by the National Federation of Music Clubs.

During May the band presented a series of similar concerts in ten area high schools as an aid to recruiting.

The highlight of the year came in November when the band combined with the 283d Army Band from Ft Benning, Georgia for concerts at both installations. During the two concerts the combined bands thrilled over 1300 people with their performances.

CY 73 ended in fine fashion with the band rendering extensive support to the Center Chaplains Office during the holiday season.

# UNITED STATES ARMY AVIATION SCHOOL BRIGADE

## ORGANIZATION

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

First Battalion  
Fourth Battalion  
Sixth Battalion

## MISSION

To exercise command 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.

## PERSONNEL

Commanding Officer - Colonel William E. Dasch - 18 Dec 72 to the present

Command Sergeants Major:

CSM Robert T. Weidensaul	18 Dec 72 - 30 Nov 73
MSG Delmar L. Graves	1 Dec 73 to present

## ACCOMPLISHMENTS

In February and March, the Brigade underwent its annual IG Inspection and was awarded an overall rating of "satisfactory".

On 1 & 2 June, the Brigade sponsored the Annual Ft Rucker 49'er party.

The S-2/3 Section was awarded the United States Army Management Improvement Award in October 1973.

For the third consecutive year, Brigade won First place for the best display during National Fire Prevention Week.

The Brigade won the post reenlistment award for third quarter CY 73.

## 1ST BATTALION

### PERSONNEL

Commanding Officer for CY 73:

LTC Reginald H. Corliss - 21 Jul 72 to present

Command Sergeants Major:

CSM Charles E. Frye - 1 Mar 72 - 18 Dec 73

1SG Leroy D. Thurman acting Command Sergeant Major - 19 Dec 73 - Present

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

MISSION

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

ACCOMPLISHMENTS

The battalion completed its Annual General Inspection during the month of March 1973 with a highly satisfactory rating.

Consolidated Mail Room #5 received the Post Outstanding Mail Room award for the month of January 1973.

Consolidated Dining Facility number 3 was selected for the Commanding General's Outstanding Dining Facility Award for the quarter ending June 1973.

The battalion provided significant support for the 1973 49'er Party, 1-2 June 1973.

During the 4th quarter CY 1973, the First Battalion maintained the highest percentage of any unit on Ft Rucker in the area of reenlistments.

The battalion had the distinction of winning the USAAVNS Brigade soldier of the month ten times during 1973.

11TH COMPANY

PERSONNEL

Commanding Officers for CY 73:

CPT Gary L. Martin	3 April 1972 to 6 April 1973
CPT John H. Lowe	6 April 1973 to 27 June 1973
CPT Daryl V. Wesley	27 June 1973 to present

First Sergeants for the year:

1SG Russell Y. Killian	2 May 1972 to 11 April 1973
1SG Lewis J. Green	11 April 1973 to present

ORGANIZATION

The unit has the responsibility for housing all enlisted permanent party personnel working for the Department of Resident Training Management (DRTM), Department of

Standards and Instructor Training (DSIT), Adjutant General Division (AG), Educational Television (ETV), and Office of Aeromedical Education and Training (OAET).

ACCOMPLISHMENTS

In November 1973, the company was selected as best overall unit in the 1st Battalion.

The company vigorously supported and participated in post Intramural Activities.

The unit initiated a program that allowed the troops residing in the billets to individualize their rooms. This program has proven to be enthusiastically accepted by the soldiers.

13TH COMPANY

PERSONNEL

Commanding Officers for CY 73:

CPT Kenneth A. Harris	19 March 1972 to 16 March 1973
CPT Daniel O. Windham	16 March 1973 to present

First Sergeants for the year:

LSG Leroy D. Thurman	13 March 1972 to 14 December 1973
LSG James W. Scott	14 December 1973 to present

ORGANIZATION

The unit consists of the permanent party staff and faculty of the following departments- Department of General Subjects, Department of Graduate Flight Training, and Department of Army Wide Training Support, in addition to the company overhead.

ACCOMPLISHMENTS

The unit underwent its annual General Inspection during the month of February with a highly satisfactory rating.

SP4 Michael J. Gisco had the distinction of becoming the USAAVNS Brigade Soldier of the month for the month of February and the Post Soldier of the Month for March.

SP4 Christopher S. Owens was selected as the USAAVNS Brigade Soldier of the month as well as Post Soldier of the month for August.

13th Company was selected as the best company during the month of July and December.

The company actively supported and participated in intramural bowling, softball, volleyball and flag football.

14TH COMPANY

PERSONNEL

Commanding Officers for CY 73:

CPT Joseph R. Ponds	1 March 1972 to 16 February 1973
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CPT Robert D. Sanders 16 February 1973 to present  
First Sergeant for the year:

1SG Alonzo C. Miller March 1973 to present

#### ORGANIZATION

The unit has the responsibility for housing all permanent party enlisted personnel who work for the Department of Maintenance Training and the Department of Undergraduate Flight Training.

#### ACCOMPLISHMENTS

The 14th Company underwent its AGI in February with highly satisfactory results.

SP5 Georgia A. Harvey, formerly the company clerk for the 14th company, received the Army Commendation Medal for outstanding achievement while assigned to the 14th Company.

PV2 Jeanine Tyson was the top individual woman scorer during the Commanding General's rifle and pistol team matches.

#### 15TH COMPANY

##### PERSONNEL

Commanding Officers for CY 73:

CPT Wayne F. Reposa 4 December 1972 to 4 December 1973  
CPT Robert D. Enyeart 4 December 1973 to present

First Sergeants during CY 73:

1SG Delmar J. Bobbitt 30 September 1971 to August 1973  
1SG David C. D'Aboy 1 August 1973 to present

#### ORGANIZATION

The unit has the responsibility for housing all permanent party enlisted personnel who work for the Office of the Assistant Commandant, the Allied Military Training Division, the Brigade Headquarters and Brigade S-4.

#### ACCOMPLISHMENTS

The 15th Company completed its annual General Inspection on 2 March 1973.

Consolidated Mail Room #5 received the outstanding mail room award for the month of January.

The USAAVNS Brigade Officers wives toured the company billets in March.

The consolidated Dining Facility #3 won the installation best dining facility award for the first quarter.

The company enthusiastically supported the post intramural sports program and by the end of the year its' basketball team coached by SFC Roosevelt Jackson had a 4-0 record.

## 4TH BATTALION

### PERSONNEL

Commanding Officer for CY 73:

LTC William B. Harper

30 June 1972 to present

Command Sergeant Major for the year:

CSM William L. Nolin, Sr.

6 March 1972 to 31 November 1973

A reorganization was effected within the 4th Battalion on 31 October 1973. In the interest of greater staff efficiency, cost savings and a desirable man power reduction, the 43d company was discontinued and its mission assumed by the remaining two companies. The company will be maintained in a zero balance status to be restaffed should training loads increase sufficiently to warrant its operation. Students assigned to the 43d were distributed within the battalion as follows:

67N20 Students - Reassigned to 41st Company  
NCOES Basic and Advanced - Reassigned to 42d Company

The permanent party personnel assigned to the 43d company were reassigned within the battalion where authorized vacancies existed.

On 31 November 1973, the 4th Battalion Command Sergeant Major, CSM William L. Nolin, Sr., was reassigned as the CSM of the United States Army Aviation Center and School, Ft Rucker, Alabama. Since 31 November 1973, LSG Edwin D. Campbell, 41st Company has acted as Command Sergeant Major of the 4th Battalion.

### ORGANIZATION

The 4th Battalion supports all enlisted students attending advanced training in aircraft maintenance at Ft Rucker. Graduates from the 4th Battalion have MOS's in areas of 67N20, 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

### MISSION

To provide command and control, logistics, administration and Military Justice for all assigned and attached personnel.

### ACCOMPLISHMENTS

The consolidated Mail Room #3 received the outstanding Mail Room Award for the months of April, June and August of 1973.

The 4th Battalion won the Ft Rucker non-religious Christmas decoration award for 1973. This is the third year in a row that the 4th battalion has won this award by decorating the 4th Battalion UH-1 helicopter to look like Santa Claus.

The 4th Battalion came in second place in the Ft Rucker Annual Fire Prevention week display.

The 4th Battalion team placed third in the post slow pitch softball competition.

#### 41ST COMPANY

##### PERSONNEL

Commanding Officers for CY 73:

CPT Larry J. Willette	5 May 1972 to 4 May 1973
CPT Richard V. McClenathen	4 May 1973 to 13 July 1973
CPT Kenneth B. Wells	13 July 1973 to present

First Sergeants for the Year:

1SG Raymond E. Fields	6 February 1971 to 9 April 1973
1SG Edwin D. Campbell	9 April 1973 to present

##### ORGANIZATION

The unit has the responsibility of housing all advanced Maintenance Students attending courses for Aircraft Mechanics for the following aircraft: OH-58 (67V2T) and the UH-1 (67N20).

##### ACCOMPLISHMENTS

The 41st Company Consolidated Dining Facility received the outstanding dining facility award for the third quarter and placed second in both the second and fourth quarters.

The 41st Company basketball team was eliminated in the semi-finals of the Ft Rucker intramural Basketball Championship.

#### 42D COMPANY

##### PERSONNEL

Commanding Officers for CY 73:

CPT Donald M. Ricks	19 October 1972 to 28 September 73
CPT George D. Crittenden	28 September to present

First Sergeants for the year:

1SG William R. Dunn	1 October 1971 to 2 January 1973
1SG Roy L. Oliver	2 January 1973 to present

##### 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), Flight Operation Coordinators (71P20) and ATC approach control enroute specialist (93K20). In addition, the unit is responsible for the control of students attending Flight Simulator Specialist (93D20), basic NCOES, and advanced NCOES.

ACCOMPLISHMENTS

The 42d Company won the USAAVNS Brigade slow-pitch softball tournament 1973.

The 42d Company was selected as the Battalion Honor Company for the months of August and September.

43D COMPANY

PERSONNEL

Commanding Officers for CY 73:

CPT Douglas L. Allen	31 March 1972 to 2 April 1973
CPT Alfred L. Askins	2 April 1973 to 31 October 1973

First Sergeants for the year:

1SG Clyde L. Pine	13 March 1972 to 14 May 1973
1SG Joseph H. Milam	14 May 1973 to 31 October 1973

ORGANIZATION

The unit had the responsibility of housing all students attending the UH-1 (67N20) and NCOES course.

6TH BATTALION

PERSONNEL

Commanding Officer for CY 1973:

LTC Clarence H. Woliver, Jr.	9 Jul 1973 to present
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Command Sergeant Major for the Year:

CSM Robert H. Spears	2 June 1973 to present
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ORGANIZATION

The 6th Battalion consists of the following units:

- 61st Company
- \*62d Company
- 63d Company
- 65th Company

\*Reactivated 23 Jul 73

MISSION

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

ACCOMPLISHMENTS

On 23 Jul 73, the 62d Warrant Officer Candidate Company was reactivated. This expanded the mission of the battalion to include training of initial entry officer and warrant officer candidate rotary wing aviation students.

On 13 Dec 73, the WOC Hall of Fame Museum was officially opened.

61ST COMPANY

PERSONNEL

Commanding Officers for CY 73:

MAJ William A. Beasley	14 January 1972 to 15 January 1973
CPT Ralph S. Childress	15 January 1973 to 14 December 73
CPT Joseph T. Tison	14 December 1973 to present

First Sergeants for the year:

LSG Robert F. Hanel	23 March 1972 to 15 April 1973
LSG James K. Brock	15 April 1973 to 29 October 1973
LSG Leonard W. Brand	29 October 1973 to present

ORGANIZATION

The company has the responsibility for all warrant officer candidates attending flight school and all permanent party personnel assigned.

ACCOMPLISHMENTS

Graduated 400 warrant officer aviators during CY 73.

62D COMPANY

PERSONNEL

The Commanding Officer during CY 73:

CPT Charles E. Richardson	23 July 1973 to present
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First Sergeant for CY 73:

LSG Martin C. Tonn	23 July 1973 to present
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ORGANIZATION

This unit has the responsibility for WORWAC initial entry training.

ACCOMPLISHMENTS

First WORWAC class 74-07 was inprocessed and began training on 29 July 1973.

On 7 December 1973, the WOC lounge was officially opened.

During the month of December, the 62d Company had the distinct honor of receiving the first two WAC's into the warrant officer flight program.

#### 63D COMPANY

##### PERSONNEL

Commanding Officers for CY 73:

MAJ Robert Ulzheimer	12 July 1972 to 1 February 1973
MAJ Lewis R. Nibert	1 February 1973 to present

First Sergeants for the year:

LSG James H. Brock	1 September 1972 to 15 April 1973
LSG Raymond E. Fields	16 April 1973 to 11 June 1973
SFC Jose P. Echevarria-Galarza, acting LSG	11 June 1973 to 13 August 1973
SFC William H. Pitts, acting LSG	13 August 1973 to 3 December 1973
SFC Gilbert P. Vasquez, acting LSG	3 December to present

##### ORGANIZATION

The unit has the responsibility for all officers and warrant officers attending transition flight training and for Warrant Officers attending Warrant Officer Career courses.

##### ACCOMPLISHMENTS

Consolidated mail room #2 was awarded Post mail room of the month for March 1973.

The 63d Company received responsibility for the Aviation Warrant Officer Advanced Course and the Aviation Warrant Officer Intermediate Course on 24 May 1973.

Responsibility for the AH-1G Aircraft Qualification Course and the AH-1G Instructor Pilot Course was transferred from Ft Stewart, Georgia to Ft Rucker. The 63d Officer Student Company assumed administrative control of the first students to attend the courses on 16 August 1973.

The first WAC warrant officer, CW3 Mary L. Hootman, was graduated from the Aviation Warrant Officer Advanced Course on 19 December 1973.

#### 65TH COMPANY

##### PERSONNEL

Commanding Officers for the year:

MAJ John A. Duff	25 February 1972 to 2 February 73
MAJ Robert Ulzheimer	2 February 1973 to 17 July 1973
MAJ Rhoderic H. Patrick	17 July 1973 to present

First Sergeant for the year:

LSG Billy B. Shellhouse	16 June 1972 to present
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#### ORGANIZATION

The unit has responsibility for all commissioned officers from all branches of the service who are attending flight school at Ft Rucker.

#### ACCOMPLISHMENTS

The unit underwent its Annual General Inspection on 29 March 1973 and received a rating of "satisfactory".

The unit supported the post intramural sports program by forming eight softball teams in May.

Slow pitch softball team #7 was the Western Division Champs and finished second in the post championships.

Slow pitch team #6 was the Eastern Division Champs.

Fast pitch softball team won both the league and Post Championships.

## 46th ENGINEER BATTALION

### ORGANIZATION

The 46th Engineer Battalion (Construction) consists of the following units:

Headquarters and Headquarters Company  
Company A  
Company B

#### Detached Units

Company C (Ft Knox, Kentucky)  
Company D (Ft McCellan, Alabama)

#### Attached Units

427th Medical Company (AMB)  
416th Transportation Company  
108th Quartermaster Company  
Company E, 30th Infantry  
5th Infantry Detachment (PFDR/ABN)  
260 Field Artillery Detachment (10,mm)

### MISSION

To provide Engineer Troop Construction Support for the United States Army Aviation Center/School by performing facilities engineering support at ranges, TAC sites, GCA sites, Stagefields and other construction projects as directed by Director, Facilities Engineering, where they support unit training and maintain REFORGER readiness.

### PERSONNEL

Commanders for CY 73 were:

LTC Clemon G. Courtney	1 January 73 to 3 September 73
LTC Milton L. Little	4 September 73 to present

Command Sergeants Major or CY 73 were:

CSM Eugene E. Bordner	1 January 73 to 14 February 73
CSM Glenn E. Owens	14 February 73 to 8 June 73
CSM Jimmie J. Reed	8 June 73 to present

#### Average Strength

	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	42	7	1123
Assigned	39	6	1075

## ACCOMPLISHMENTS

During 1973, the 46th Engineer Battalion organized the 72nd Aviation Company move to Ft Bragg, North Carolina. This was accomplished in June 1973. Subsequent to the loss of the 72nd Aviation Company, the battalion gained the 427th Medical Company. During March and April of 1973, the battalion attained 100% participation in the Army Emergency Relief Fund Drive. As sponsor of the Ft Rucker Blood Drive during the summer months, the battalion was instrumental in attaining the highest number of donors since August 1969. As a result, a trophy was awarded to the battalion by the Red Cross Regional Director.

During this year's Combined Federal Campaign, the 46th Engineer Battalion contributed over \$15,000 which was the largest contribution donated in the entire Wiregrass Area. The battalion was awarded the Commanding General's Trophy for winning post championships in flag football, softball, basketball and volleyball. The battalion dining facility was awarded the Commanding General's plaque for 1973 Best Mess of the Year. Battalion personnel were instrumental in the relocation of the "Chapel of Flags". The personnel traveled to Ft Wolters, Texas, removed stain glass windows, prepared them for shipment to Ft Rucker, and installed them in the newly named chapel. These windows are valued at approximately \$100,000.

After a tornado touched down in Bowden Terrace in December 1973, the battalion was alerted and supplied the personnel and equipment required for the massive clean-up operation. As a result of the long, hard hours of work by the men of the 46th, the disaster area was soon returned to a state of normality. The following is a list of the major projects completed by the 46th during 1973:

- Completed first permanent bridge on Ft Rucker at Hatch Road.
- Relocated the control tower at Blacksmill Range.
- Constructed a bicycle path from the elementary school to EM housing area.
- Relocated the post reenlistment building.
- Constructed a boat ramp at Wildlife Association.
- Constructed a P.X. building and Boat Basin at Ft Rucker recreational area.
- Constructed four bunkers for Test Board on Blacksmill Range.
- Rebuilt the Ft Rucker School Bus sheds, located on Andrews Avenue.
- The dismantling of the old Division Road Theater.
- Construction of Matteson Range Road.
- Constructed the cart paths for the post golf course.
- Installed numerous aircraft tiedowns at Cairns Army Airfield.
- Constructed loading platforms for the post commissary.
- Constructed a drainage system for the post ammunition storage area.

Members of the Battalion contributed much time and effort toward the success of the 1973 49er party.

Units from the Battalion have participated in numerous community parades.

The 46th Engineer Battalion was instrumental in preparation and the repair of toys and gifts in support of operation Santa Claus.

HEADQUARTERS AND HEADQUARTERS COMPANY

PERSONNEL

Company Commander for CY 73:

CPT George Magrath  
LLT Robert K. Gatlin

1 January 73 to 29 June 73  
29 June 73 to present

First Sergeant for CY 73:

SFC Kenneth W. Forsberg  
LSG Johnes Sawyer

1 January 73 to 15 January 73  
15 January 73 to present

MISSION

To provide command, construction planning, direction, co-ordination, and control of the engineer construction battalion and attached units.

COMPANY A

PERSONNEL

Company Commander for CY 73:

CPT Charles G. Stockwell  
CPT Jerry L. Fenton

1 January 73 to 16 January 73  
16 January 73 to present

First Sergeants for CY 73:

SFC Jesse H. Gaddy  
LSG James W. Hill

1 January 73 to 30 June 73  
1 July 73 to present

Authorized Strength:

OFF	WO	EM
3	2	133

Average Assigned Strength:

OFF	WO	EM
3	2	136

COMPANY B

Company Commander for CY 73:

CPT Earl C. Prechtel  
CPT Robert E. Housley

January to March 1973  
April to December 1973

First Sergeants for CY 73:

LSG Willie C. Martin  
SFC Billy Skelton  
LSG Harvard L. Robbins

January to April 1973  
May to September 1973  
October to December 1973

Personnel Status	<u>OFFICER</u>	<u>EM</u>
Authorized	5	158
Assigned	4	150

427th MEDICAL CO (AMB)

PERSONNEL

Personnel status throughout the year:

Commanders for CY 73 were:

1LT Michael L. Cowan	20 December 71 to 16 March 73
1LT Lucus L. Patterson	16 March 73 to 23 July 73
2LT John M. Coleman	23 July 73 to present

First Sergeant for CY 73 was:

1SG Harley G. Sikes	22 September 71 to present
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	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	4	0	97
Assigned	3	0	87

MISSION

To provide ground ambulance support for the training programs of the USAAVNC/S and the 46th Engineer Battalion.

ACCOMPLISHMENTS

The 427th Medical Company moved from Lyster Army Hospital to the 46th Engineer Battalion. For the reason that the 427th Medical Company was designated as REFORGER unit, the 427th Medical Company has participated in several field training exercises to increase its readiness posture since its move to the 46th. The 427th Medical Company (AMB) supplies ambulance coverage for USAAVNC/S. The 427th Medical Company in addition provides ambulance drivers for emergency room at Lyster Army Hospital. SP4 Diann L. Rittenhouse and PFC Linda G. Hicks became the first enlisted women to be assigned to the 427th Medical Company.

416th TRANSPORTATION COMPANY

PERSONNEL

Commanders for CY 73 were:

CPT Jeffrey Arnold	1 January 73 to 17 June 73
CPT Richard Walker	18 June 73 to present

First Sergeants for CY 73 were:

1SG Joseph S. Wichowski	1 January 73 to 28 June 73
1SG Morris L. Aldridge	29 June 73 to present

Personnel status throughout the year was as follows:

	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	4	1	172
Assigned	3	0	171

MISSION

To support USAAVNS by providing movement of petroleum products for refueling.

ACCOMPLISHMENTS

To maintain the readiness capabilities of a STRAF unit, the 416th Transportation Company has been conducting quarterly training exercises. In the past year, the 416th Transportation Company has participated in Coronet Ace Refueling Mission and Operation Fuel Can, Exercises.

108th QUARTERMASTER COMPANY

PERSONNEL

Commanders for CY 73 were:

CPT John H. Henderson	1 January 73 to 31 August 73
CPT Larry M. Turner	1 September 73 to present

First Sergeants for CY 73 were:

LSG Grover C. Barnhell	16 October 72 to 26 April 73
LSG Willis R. Saucier	27 April 73 to present

Personnel status throughout the year was as follows:

	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	5	1	231
Assigned	6	1	230

MISSION

To provide rapid refueling support to USAAVNS in Alabama and Florida. Also to provide temporary bulk petroleum fuel reception, storage and issue facilities for USAAVNC and USAAVNS if necessary.

ACCOMPLISHMENTS

For the first time since its reactivation in April 1967 the 108th Quartermaster Company underwent an Organizational Readiness Training Test in mid-July receiving a rating of excellent. The company had 100% participation in the Wiregrass Area Combined Federal Campaign and contributed over \$2,500. PV2 Vanessa Wynn became the first enlisted woman assigned to the company and is presently working as an armorer.

COMPANY E, 30TH INFANTRY

PERSONNEL

Commanders for CY 73 were:

CPT Haskel L. Howard 1 January 73 to 28 June 73  
CPT Larry K. Jackson 29 June 73 to present

First Sergeant for CY 73 was:

1SG Harold W. Dray 1 October 72 to present

Personnel status throughout the year was as follows:

	<u>OFF</u>	<u>WO</u>	<u>EM</u>
Authorized	5	0	155
Assigned	2	0	110

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 funeral teams.

ACCOMPLISHMENTS

Company E, is the Honor Guard Company at Ft Rucker. Holding this title the company is continually called upon to perform honor ceremonies for all dignitaries coming to Ft Rucker and to participate in parades throughout the state. Company E, participated in 94 funerals and 7 parades during the year.

5th INFANTRY DET (PFDR/ABN)

PERSONNEL

Commanders for CY 73 were:

CPT Edward C. Risher 2 June 72 to 28 June 73  
CPT Ronald W. Williamson 29 June 73 to present

First Sergeants for CY 73 were:

1SG John R. Spade 16 Nov 70 to 29 June 73  
PSG Joe L. Sanders 30 June 73 to 31 December 73

Personnel Status for the year was as follows:

	<u>1st Quarter</u>		<u>2nd Quarter</u>		<u>3d Quarter</u>		<u>4th Quarter</u>	
	<u>OFF</u>	<u>EM</u>	<u>OFF</u>	<u>EM</u>	<u>OFF</u>	<u>EM</u>	<u>OFF</u>	<u>EM</u>
Authorized	4	75	4	75	4	75	4	75
Assigned	2	43	2	49	3	56	3	42

MISSION

To establish Aircraft Drop and Landing Zones and to provide terminal guidance to the United States Army Aviation School in support of fixed and rotary wing Tactical Training.

ACCOMPLISHMENTS

The Pathfinder Detachment made 6 static line parachute jumps. They also participated in the annual Armed Forces Day Demonstration. They continue to man the 27 Tac Sites daily as well as nightly.

260th FIELD ARTILLERY DETACHMENT

PERSONNEL

Commanders for CY 73 were:

1LT George B. Troller	24 March 72 to 8 January 72
1LT Jack W. Stewart	9 January 73 to 23 September 73
1LT Guss E. Jowers	24 September 73 to present

First Sergeant for CY 73 was:

SSG Albert Moore	5 October 72 to present
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Personnel status throughout the year was:

	<u>OFF</u>	<u>EM</u>
Authorized	1	11
Assigned	1	10

MISSION

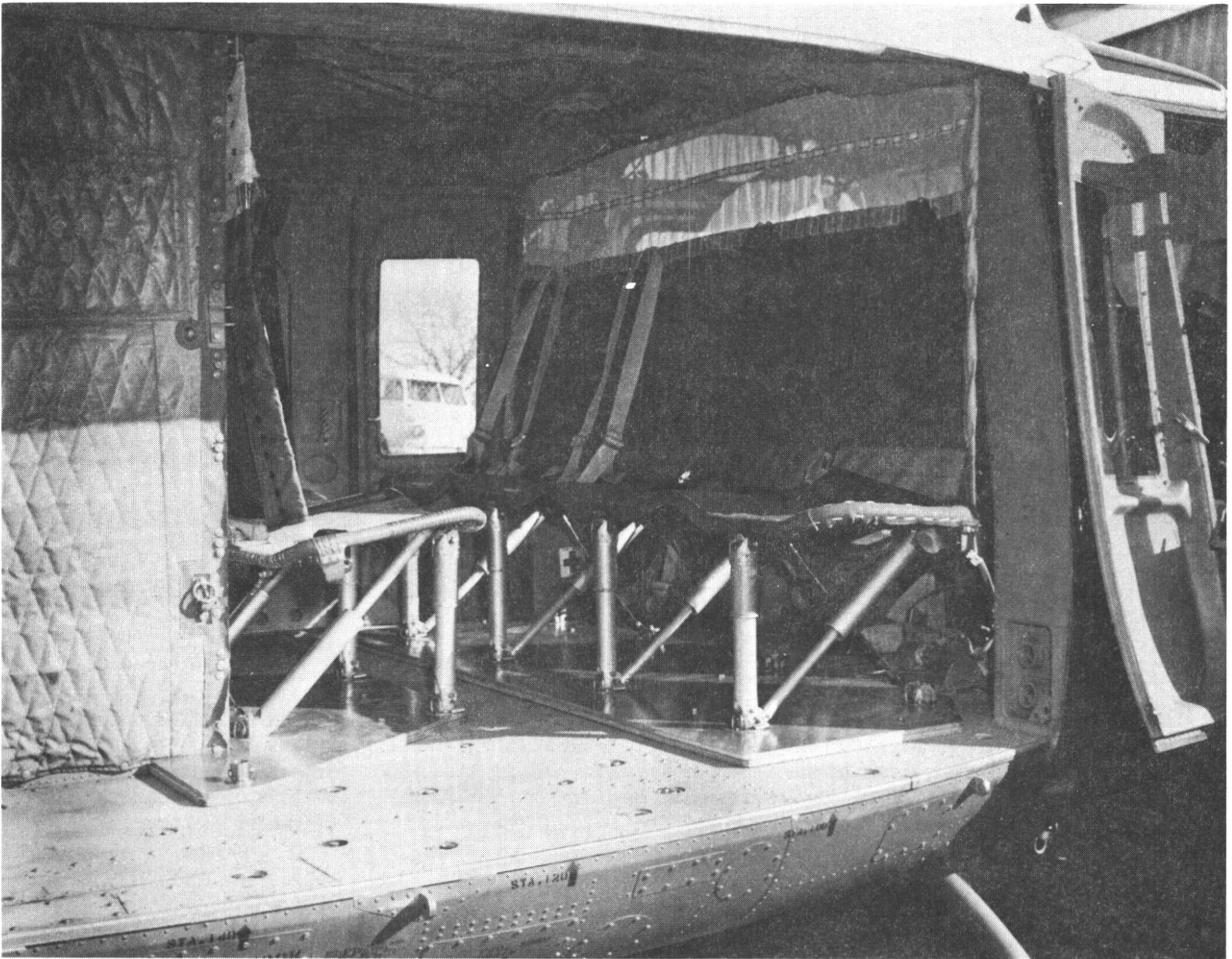
To provide 105mm Howitzer fire support to the USAAVNC/S in all operations requiring an organic Field Artillery Detachment.

ACCOMPLISHMENTS

The 260th Field Artillery Detachment reorganized 1 July 1973 to its present MTOE. The Detachment fired salutes for 11 retirement parades, 4 VIP visits, 2 Presidential deaths and salutes in observance of national holidays. In addition, the 260th Field Artillery Detachment fires illumination missions in support of the AH-1G Cobra Training Course which was recently moved to Ft Rucker. The Detachment attained 100% participation in Combined Federal Campaign.

## chapter 4

### CLASS II ACTIVITIES



# UNITED STATES ARMY AVIATION TEST BOARD

## ORGANIZATION

The United States Army Aviation Test Board is organized into the following divisions:

Plans Division  
Materiel Test Division  
Logistics and Test Support Division

## MISSION

TECOM Regulation 10-21 defines the Board's mission as:

Plan, conduct, and report on development test I, development test II (service phase), development test III (service phase), and other developmental type tests of aircraft, aircraft components and sub-systems, and ancillary equipment.

Participate in development test II (engineering phase) and development test III, as directed.

Provide advice and guidance on test and evaluation matters to materiel developers, materiel producers, other services, and private industry.

Conduct other tests and evaluations as directed by Commanding General, TECOM.

## PERSONNEL

Authorized personnel strengths decreased from 376 to 347 military and civilian personnel during the year. Key personnel assigned during the year were:

President:	COL Robert S. Kellar, IN	Jan-Dec
Technical Advisor:	Dr. James S. Kishi	Feb-Dec
Executive Officer:	LTC Thomas A. Rice, FA LTC James T. Radford, TC	Jan-Sep Sep-Dec
Chief, Management Office:	Mr. Robert S. Kirk	Jan-Dec
Chief, Plans Office:	LTC Jack D. Hill, AR LTC William B. Benton, Jr., IN	Jan-Oct Nov-Dec
Chief, Materiel Test Division:	COL Edmund K. Ball, TC	Jan-Dec
Chief, Logistics and Test Support Division:	LTC Adolph H. Grimm, TC LTC Maurice R. Vincent, IN	Jan-Jul Jul-Dec
Commanding Officer, Headquarters and Headquarters Company:	CPT Michael J. French, IN	Jan-Dec

## ACCOMPLISHMENTS

### PLANS OFFICE

#### OPERATIONS BRANCH

During CY 73, the Test Board had 108 projects in the planning, active testing, or reporting phases. A total of 75 projects were completed and 69 new test projects were initiated. Tests, or portions thereof, were accomplished at test sites varying from Yuma Proving Ground, Arizona and Pikes Peak, Colorado for the OH-58A 250-C20 Engine Hot Weather and High Altitude tests to Alaska for the CH-47 Arctic Service test. Evaluation of IR suppression devices and low IR reflectance paint were conducted at Eglin AFB, Florida, Redstone Arsenal, Alabama, White Sands Proving Ground, New Mexico, Marana Air Park, Arizona, China Lake and Point Magu, California, and Hunter-Leggett Military Reservation, California. A total of 14,068 flying hours were accumulated in the accomplishment of the assigned tests of which 12,872 were flight test hours and 1,196 were support flight hours. The wide spectrum of equipment tested included:

Advanced electronic items such as flight director systems, the AN/TSQ-97 Manportable Tactical Control Tower, and a Laser Designator and Tracker.

Improved Cobra Armament System (ICAS), Preplanning for the Advanced Attack Helicopter Program, and Upgraded 2.75 Inch Rocket.

The T53-L-13 (UH-1 and AH-1G), T55-L-11 (CH-47) and T63-C-20 (OH-6/OH-58) turbine engines.

Automatic Inspection Diagnostic and Prognostic System (AIDAPS) and Initial Planning for the Utility Tactical Transport Aircraft System.

Airframe components of all types.

Flight Clothing and survival gear.

Ground support equipment and tool sets.

#### INSTRUMENTATION AND METHODOLOGY BRANCH

Instrumentation was involved with four projects in 1973 including the continuation of work with the CH-47 flight recorder. Other projects include: OH-58 Shotgun Starter Test conducted at Eglin AFB, Florida, in the Climatic Hangar; instrumentation of the CH-47 and measurements conducted in the Climatic Hangar; purchase and checkout of the remote control system for a target truck. Also, assistance was given to other project officers on problems concerning instrumentation.

During 1973, Methodology conducted ten projects and studies, one being cancelled after preliminary study. The cancelled project was the Seismic Hit Detecting and Scoring System. The early study and cancellation of this project saved the majority of the \$193,000 allotted for this project. The remaining methodology projects include: Reduction of Production Test Time, EST Methodology Investigations, Testing Requirements Amenable to Simulation, EST of Aircraft Weapons Systems, Effects of Vibration on Life of Selected Major Aircraft Components, Profile Study, Automated Antiarmor Range Study, and Development of a Data Base.

## MATERIEL TEST DIVISION

### ACCOMPLISHMENTS

The Materiel Test Division completed 75 test projects during the year 1973. These projects varied from service test of aviator uniforms to the service test phase of the Improved Cobra Armament Subsystem (ICAS). Some of the more important tests were:

Service Test Phase of the Improved Cobra Armament Subsystem (TOW Cobra).

Service Test of the XM431 Fuze for the 2.75 Inch Rocket.

Service Test of the Aerial Mine Dispensing Subsystem XM56.

Arctic Service Test of the CH-47C Helicopter.

Product Improvement Test of the OH-58A Components (Blue Ribbon Fuel Control and Tail Rotor Hub Needle Bearings).

Product Improvement Test of the OH-58 Winterization Kit.

Product Improvement Test of the CH-58A Turbine Overtemperature Warning System(TOWS).

Product Improvement Test 250-C20 Engine with Bendix Fuel Controls (OH-58).

Product Improvement Test 250-C20 Engine during Climatic Hangar Evaluation (OH-58)

Desert and High Altitude Test of 250-C20 Engine (OH-58).

Service Test, Lightweight and Winter Weight Jackets, Aviator Flight Clothing.

Service Test of the Aviator's Nomex Survival Vest.

Service Test of the Manportable Air Traffic Visual Control Facility, AN/TSQ-97.

Technical Feasibility Test of the Collision Warning System.

Technical Feasibility Test of the AN/ARC-98 (V) High Frequency SSB Radio for Ground Application.

Initial Production Test of the TACAN Set, AN/ARN-103.

Product Improvement Test Phases VII, IX, and X of the T53-L-13B Engine. Phases VII, IX and X were used to acquire data to establish operational time limitations on the engine. As a result of this testing, AVSCOM extended the TBO and TBI of the T43-L-13B to 2400 hours and 1200 hours, respectively, for all engines at the Aviation Center, Ft Rucker, Alabama.

Product Improvement Test of MLO-68-5 Hydraulic Fluid in CH-47 Helicopters. As demonstrated by testing at Ft Rucker and the Climatic Hangar, this oil will greatly reduce the fire hazard experienced with standard hydraulic oil (MIL-H-5606) now used in Army aircraft.

Product Improvement Test of the CH-47C/T55-L-11A Engine. As a result of continuing testing over the last two years, this engine has been approved for field use. Product Improvement testing will continue for another 1000 hours during 1974.

Customer Support of Development Testing of IR Suppression and Missile Launch Detector Equipment has been a major effort during 1973 and will continue during 1974.

#### LOGISTICS AND TEST SUPPORT DIVISION

##### FLIGHT OPERATIONS BRANCH

The Flight Operations Branch scheduled and dispatched in excess of 1,500 fixed wing and 8,500 rotary wing flights during the calendar year 1973. Test Board aviators logged in excess of 20,000 flight hours of which the last 12,000 were accident free. Aviators assigned or attached to Flight Operations Branch accounted for approximately 3,800 flight hours. During this calendar year all new standardization and training procedures required by changes to AR 95-1 were implemented. These standardization and training requirements included approximately 250 standardization rides and 98 instrument renewals. In addition, 38 aircraft transitions were completed.

##### MAINTENANCE BRANCH

The Maintenance Branch monitors aircraft contract maintenance performed at the Board. Aircraft are maintained so as to have maximum availability during daylight hours. Board test and support aircraft flew a total of 14,068 hours during the calendar year. There were 519 Equipment Improvement Recommendations submitted which provided valuable aid to the total EIR Program. A new venture in aircraft maintenance is being accomplished with the aid of the Automatic Inspection Diagnostic and Prognostic System (AIDAPS). Selected UH-1 components with known defects are being ground and flight tested and monitored electronically. Engines are pretested on the Modular Engine Test System (METS) prior to installation in aircraft. The ultimate goal of these tests will be the adoption and installation of a monitoring system whereby critical components will be changed conditionally rather than by the old familiar Time Before Overhaul (TOB) program. This concept introduces one of the greatest challenges the Board has tested in many years and will, when adopted, save millions of dollars annually.

##### OIL ANALYSIS SECTION

During the calendar year 1973 the Oil Analysis Section conducted spectrometric analysis of over 86,967 used oil samples. Approximately 900 of these samples were microscopically analyzed for particulate matter.

The test of flame resistant hydraulic fluid MLO 68-5 added approximately 240 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 Ft Benning, Georgia, and National Guard units in Alabama.

In March, the new interservice emission spectrometer made by Baird-Atomic Corporation was received.

##### LOGISTICS MANAGEMENT BRANCH

The Aviation Test Board entered into an interservice support agreement with Tyndall Air Force Base, Florida, to provide crash rescue and helicopter evacuation support to

Board operations at the Apalachicola Detachment on the Apalachicola Municipal Airport, Apalachicola, Florida. This support agreement reduced the requirement from two fire-trucks to one and eliminated the requirement for two aidmen and one ambulance.

Because of the increased emphasis on the Equipment Management Program by higher headquarters and the increased workload of the Equipment Manager to maintain a highly effective program, the Equipment Manager has been relieved of the responsibility for maintenance of the organization property book which had been assigned as an additional duty. The Equipment Manager is currently participating in a study to convert the Equipment Management Program from manual to machine records system.

Coordination, manpower, and material support were provided for test projects during the year. Support consisting of range of stagefield availability, coordination, scheduling and transportation, and handling of ammunition and equipment was provided on a continuous basis.

There are now over 14,400 items on the computer generated master item record file.

The TECOM Integrated Accounting Supply System was further refined and changed to comply with provisions now required by various directives. This was accomplished with no inconvenience to our customers.

The fuel conservation crisis hit this activity in the month of October 1973 and a rigid program has been initiated and is being followed to conserve fuels of all types.

#### PHOTOGRAPHY AND GRAPHICS BRANCH

Authorized personnel strength remained at two military and six civilian for the year. A reduction of one military space is programed as a result of the manpower survey. The branch provided dedicated USAAVNTBD mission support requirements for video and photo instrumentation, photo documentation, laboratory services for color and black and white photo materials, offset reproduction services, and graphic aid. Audio visual services were provided at various test sites to record and document test phenomena requiring local design and tailoring of cameras, fixtures, control systems, and lighting to meet specific requirements of tests. Photo and video instrumentation data requirements increased during the year at the same approximate rate of the two preceding years.

#### APALACHICOLA DETACHMENT

##### PERSONNEL

Detachment completed Phase I of reduction-in-force action on 30 Jun 73 with the loss of two military and five civilian spaces. The Detachment began FY 74 with one military and eight civilian spaces. This has been further reduced by deleting the space for the Asst Chief of the Detachment. The Detachment ended CY 73 with one military and seven civilian spaces. The Detachment was given three days of firefighting instructions by the Ft Rucker Center Fire Department.

In support of US Army Aviation Test Board activities, Apalachicola Detachment transported, stored, and dispensed 290,000 gallons of JP4 aircraft fuel during 1973 with 2,194 aircraft operational hours in the local area during which 13,864 landings and take-offs were performed. The CH-47C supported the US Forest Service test program TECOM Project No. 4-C)-15E-000-003 for six weeks (Fire Retardant Drop Test). The Detachment supported the following test project: Naval Coastal Systems Lab, Panama City (Mine Sweep Device, Apalachicola River) TSQ 97 Portable Radio Console Test. OH-58 Ground Handling Project.

COST REDUCTION PROGRAM

Major reduction was in personnel. A 50% overall reduction in personnel, 25% reduction in operation time, and equipment reduction (1) 5-ton tractor and (1) 5,000-gal tanker.

HEADQUARTERS AND HEADQUARTERS COMPANY

Headquarters and Headquarters Company Mess Hall, in competition, won the TECOM Phillip A. Connolly Award.



## UNITED STATES ARMY AGENCY FOR AVIATION SAFETY

### ORGANIZATION

The principle functions of the United States Army Agency for Aviation Safety are contained in AR 10-29. The organization is located at Ft Rucker, Alabama, as a field operating agency of the Office of the Assistant Chief of Staff for Force Development, Headquarters, Department of Army.

USAAAVS is organized into five major directorates and three separate divisions. 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 System

- The Administrative Management and Supply Division
- The Legal Division
- The Liaison Division

As proponent Agency for the US Army aviation safety policy, the Commander of USAAAVS is designated the US Army Aviation Safety Officer. In this capacity, he serves as the primary advisor and action agent on matters of aviation safety and accident prevention for the Department of Army and its subordinate commands. Additionally, as a member of the Department of the Army Aviation Flight Standardization Policy Board, established IAW AR 95-63, the Commander of USAAAVS can directly influence the accident rate by insuring that a positive aviation accident prevention posture is adopted and implemented at all levels of the worldwide Army Aviation Flight Standardization Program.

USAAAVS is primarily concerned with three areas: the man, the machine, and the environment. The agency's principal activity is presently oriented toward the safety aspects of the current thrust of major Army wide aviation programs such as: Nap-of-the-earth flying; night operations; implementation of system safety programs on the HLH, UTTAS, AAH, and the forthcoming Aerial Scout Helicopter; and accident prevention support to commanders in the field through onsite unit assistance and educational visits.

### MISSION

The mission of the US Army Agency for Aviation Safety (USAAAVS) is: within the scope and responsibilities of the Army Safety Program, as established in AR 10-5 and AR 385-10, determine ways and means to aid the commander at every echelon in the conservation of aviation resources to advance the combat effectiveness of the United States Army.

### PERSONNEL

The agency is organized in accordance with Table of Distribution and Allowances Number SFWOJ7AA09, dated 15 March 1973.

Personnel authorized at the end of CY 73 was 200 (46 officers, 13 warrant officers, 36 enlisted men, and 105 civilians). There were 180 (41 officers, 13 warrant officers, 36 enlisted men, and 90 civilians) assigned to the organization on 31 December 1973.

ACCOMPLISHMENTS

The combined efforts of aviation commanders, USAAAVS, AVSCOM and all personnel associated with Army aviation have resulted in significant reductions in the Army's aircraft accident experiences as shown by a comparative analysis of Army aviation data for FY 58 and FY 73:

<u>FY</u>	<u>Average No of Aviators</u>	<u># Std Acft in inventory</u>	<u>Total Acft Acfts</u>	<u>Flight Hours</u>	<u>Acdt Rate</u>
73	17,945	7,568	125	1,686,791	7.41
58	5,611	4,350	663	1,221,855	54.26

It has been projected that the worldwide Army aircraft accident rate for the first two quarters of FY 74 will be 5.7 per 100,000 flying hours for the active Army and a combined rate (active-reserve-National Guard) of 6.1. If the current trend holds, it will reflect a significant decrease from the rate of 7.9 per 100,000 flying hours for the same period in FY 73.

The 12th Joint Services Aviation Safety Conference was conducted at Fort Rucker, 23-26 April 1973, with the US Army Agency for Aviation Safety acting as the host agency. Approximately 80 conferees from the aviation safety centers of the US Navy, Air Force, Coast Guard, Army and representatives from AMC, AVSCOM, USASSO, and the Federal Aviation Administration and National Transportation Safety Board attended this meeting. The objective of the conference was the enhancement of aviation safety through the joint discussion and resolution of mutual areas of concern. Agenda items, which included joint action items, presentations, and roundtable discussions were conducted during the week by the following committees:

- Committee I - Human Factors, LTC James L. Schwartz, USAAAVS, Chairman
- Committee II - System Safety, LTC Russell D. Nelson, USAAAVS, Chairman
- Committee III - Mishap Investigation and Analysis - COL Loren C. Strange, USAAAVS, Chairman
- Committee IV-A - Training and Education, LTC Max Moroz, USAAAVS, Chairman
- Committee IV-B - Operations, LTC Ernest R. Hafers, USAAAVS, Chairman

The USAAAVS Five Year Operating Program was further enhanced during 1973. Pertinent Automatic Data Processing programs were rewritten to upgrade data storage and improve report readability. Additional printouts were designed which expand the usefulness of an automated system. Data input forms were revised to simplify procedures for preparation and submission. Projects undertaken as a part of the Five Year Operating Program were oriented toward the current thrust of major Army wide aviation programs such as nap-of-the-earth flying, night operations, standardization, developmental aviation hardware and behavioral sciences. Increased emphasis addressed personnel training, command responsibilities, on-site unit assistance and accident prevention program support.

USAAAVS is the Department of Army action office on all matters pertaining to Standardization Agreements (STANAG) promulgated by the Military Agency for Standardization (MAS), Flight Safety Working Party (FS), North Atlantic Treaty Organization (NATO). The

agency provides the principal US Army representation to the annual meetings of this working party. The 11th Meeting of the Working Party was held in June of 1973 in Copenhagen, Denmark. Colonel F. M. McCullar, Commander, USAAAVS, chaired the meeting. Colonel McCullar had been selected for this honor by a vote of the delegates at an earlier meeting in the Federal Republic of Germany.

Conducted 17 aircraft accident prevention assistance visits to Active Army posts and commands worldwide. In addition, 52 United States Army Reserve assistance visits were made to Reserve Component aviation units within CONUS.

Hosted a conference with representatives from Fort Lee, Virginia, concerning updating the contents of TM 10-1101 and TM 10-1113. The Rapid Refueling Accident Summary and Study was reviewed at the conference and the representatives were furnished a copy for TM 10-1101 inputs.

Participated as a working member of the AMC, HQS, MASSTER Forward Area Refueling and Rearming Point (FARRP) committee. Principle efforts are continuing in the area of simultaneous hot rearming and refueling.

Attended and participated in an In-Process Review Conference of Helicopter Inflight Icing Test held at the US Army Aviation Systems Test Activity, Edwards AFB, California. The conference related problems encountered during testing and solicited recommendations from the conferees who represented the operational, scientific, and technical communities of both government and industry. Numerous recommendations and suggestions were given and accepted for consideration and/or action.

Provided technical assistance to 17 Army aircraft accident investigation boards in CONUS and USAREUR.

An Inflight Breakup Study was initiated due to the large number of unexplained inflight breakups of UH-1 and AH-1G aircraft. The study has been forwarded to USAAVSCOM recommending that a definitive research and engineering effort be conducted to identify the unknown(s) that prescribed these catastrophic accidents.

Conducted a Precautionary Landing Study to determine the effects of preflight and maintenance inspections as they relate to precautionary landings. The study determined that while emphasis on preflight and maintenance may make a very minor improvement in reducing the number of precautionary landings, the most productive area is equipment improvement.

Conducted an inspection of Butts Army Airfield, Fort Carson, Colorado, to determine if proposed construction was in compliance with DOD Construction Criteria Manual 4270.1-M. As a result of the inspection, a waiver to the construction criteria was recommended.

Participated in a conference with USAAVSCOM and USAECOM concerning nickel-cadmium storage battery problems and provided information from an aviation safety point of view.

Recommended that airfield servicemen receive special training and be identified by a new MOS or an additional skill identifier.

Coordinated with United States Army Aeromedical Research Laboratory in providing data and impetus to the program of purchasing aircraft anti-collision beacon system, high-intensity lights ("strobe lights") for all Army aircraft.

Conducted in-house study of twin engine fixed wing accidents/incidents with appropriate recommendations provided the Director of Army Aviation. A cover letter, signed by the Director of Army Aviation, and the study were distributed to major commands with dissemination directed to the lowest level of command where aviation resources are utilized.

Provided input for aft taxi procedure for CH-47 aircraft to preclude main rotor blades striking the tail boom.

USAAAVS was requested by the US Army Logistics Center, Fort Lee, Virginia, to provide them information concerning the identity of technical, operational, and administrative barriers to official safety approval of simultaneous hot refueling and rearming of Army aircraft. This information was provided with copies of USAAAVS position paper titled Hot Rearming and the draft publication of "Helicopter Rapid Refueling Mishap Summary Study."

Reviewed and analyzed the hot (rapid) refueling procedures submitted by Company B (General Support), 25th Aviation Battalion, 25th Infantry Division, APO San Francisco, and Fort Campbell, Kentucky. A copy of Aircraft Refueling Procedures Guide and Helicopter Rapid Refueling Mishap Summary and Rapid Refueling Study were furnished the units for use in supplementing its present hot rearming procedures until a DA policy is disseminated.

Completed a survey of rotary wing aviators disorientation experiences.

Participated in the developmental stages of "Operation Checklist" which is an attempt to revise the inspection criteria of aircraft components.

Provided data to the Office of Chief of Engineers and the OACSFOR on Army aircraft mishaps in vicinity of Army airfields and helipads. The information was to be used as the basis for a decision regarding proposed criteria changes for construction of Army airfields.

Recommended to AVSCOM that the Turbine Engine Health Indicator Test (HEIT) replace the Daily Engine Recording (DER) check for all Army turbine powered aircraft.

Recommended to the Office of the Secretary of Defense that the hand signals for communication between aircrews and ground personnel, as proposed by the Occupational Safety and Health Administration (OSHA), should be the same as those already adopted by NATO forces.

Participated in T55 and T53 series Lycoming Engine Product Improvement Program Reviews.

Participated in the development of the Army nap-of-the-earth (NOE) training program. Provided assistance to major commands and installations in the development of their individual training programs. Attended conferences to discuss material needs and product improvements, including map products, aircraft survivability equipment, Tactical Aircraft Guidance System, and developments in the simulation field. Prepared a briefing with slides presenting the safety considerations of NOE flight.

Personnel from DMIS developed a conceptual design of an Aviation Flight Record System which, if approved, will eventually replace the present manual system currently directed by AR 95-64. The concept has been incorporated into a General Functional Systems Requirement (GFSR) UP of AR 18-1, and submitted to ACSEFOR-AV for staffing and submission to the Director of Management Information Systems, Office of the Assistant Vice Chief of Staff. The purpose of the GFSR is, first, to describe the concept and requirements



Students debating over the facts at USAAVS crash site on Fort Rucker.



USAAAVS designed crashworthy troop seats.

of the proposed system; and, second, to obtain HQDA approval for the design and development of the new system.

Developed computer programs to support the human factor analysis effort. This project consisted of adapting routines obtained from IBM and UCLA to interface with USAAVS written programs to produce statistical displays and detailed data concerning human involvement in aviation accidents.

Developed computer programs which will produce a generalized simultaneous occurrence matrix. This capability permits extensive concurrent analysis of data elements which heretofore has been impractical.

The Directorate for Management Information System processed the following:

1,236 requests for information (includes internal and external requests plus recurring reports). This represents an increase of 49% over computer products produced during CY 72.

494,174 cards punched and verified.

2,544 crash facts messages

851 DA Forms 2397 (P/L, F/L, and Incidents)

119 Preliminary accident reports

128 final accident reports

168 ARADMAC reports

150 requests for mishap experience IP)

143 requests for mishap experience (safety award)

53 nominations for unit safety awards

18,743 DA Forms 759 (FY 73)

Six special requests received and processed from ACSFOR for DCSPER.

Reviewed Fly-By-Wire Test Program for HLH Flight Control System as conducted in Boeing 347 "stretch Chinook."

Devised and provided Atomic Energy Commission with two helicopter crash data programs for use as a baseline in design of crashproof containers for atomic materials.

Designed and executed Safety Trade Study on Power Management Systems for multi-engine helicopters equipped with anti-torque systems.

In conjunction with AVSCOM and USAARL, USAAVS launched a test program to provide dynamic testing for two groups of USAAVS designed crashworthy troop seats. The crashworthy troop seat program is advancing into its final stages. Experimental prototypes have been constructed and are destined for dynamic tests to be conducted in the early spring of 1974. Restraint harness evaluations have been concluded and all results will be contained in the final troop seat report.

Completed design and test sample cost studies on USAAAVS designed crashworthy gunners seat. The crashworthy gunner seat has advanced from the concept stage to a full scale mock-up which had been demonstrated to several military aviation and safety agencies. A final report will be completed soon. Indications are that this gunner seat concept will be analyzed for future Army helicopter applications.

The first phase in the development of a new approach to human performance (pilot error) research was completed. Pilot error was viewed as the result of pilot overload caused by out of tolerance condition among aviation system elements. Based on this approach, a multivariate analysis of accident data revealed nine basic cause factors that were responsible for 96 percent of 1,520 helicopter and 452 airplane pilot-error cases. The results of this research were presented at a NATO conference in the Netherlands and an OCRD conference on Aircrew Performance at Fort Rucker.

Provided injury data of UH-1D/H aircrew members to Department of the Army for the purpose of retrofitting these aircraft with a crashworthy armored seat developed under MIL S-58095. Implementation of this seat will substantially increase the ability of 5th-95th percentile aviators to withstand accidents up to the 95th percent potentially survivable accident.

Provided summary information of crashworthy fuel systems accident experience to Department of the Army, Office of the Surgeon General and National Academy of Science Adhoc Committee. The crashworthy fuel system was designed to eliminate gross fuel spillage through the use of high impact cells, breakaway fuel lines, and an ingenious series of cutoff valves. During this period (39 months) the Army experienced 702 accidents with crashworthy fuel system equipped helicopters with one remarkable result -- there was not a single fatality or injury due to thermal trauma.

USAAAVS Flight Surgeon participated in USAREUR/Seventh Army Environmental Health Training Conference, Berchtesgaden, Germany. The conference recognized and emphasized the USAAAVS Flight Surgeon Newsletter as the vehicle for disseminating aviation medical problems and solutions among flight surgeons.

Participated in and monitored System Safety Programs on the HLH, UTTAS, AAH, GE T-77 engine, and DAA XT-701-AD-700 engine.

Processed 20 formal and 36 informal data requests by contractors for HLH, UTTAS, and AAH design considerations.

Education and Prevention Directorate team gave instruction and safety presentations to 3,125 aviation officers and commanders plus 584 aviation NCO's worldwide.

The two week Aviation Accident Prevention Management Course for NCO's was instituted in early 1973 to provide the aviation safety NCO with a formal course in aviation accident prevention management.

The Aviation Accident Prevention Course expanded its student scope to include representatives of the following: Department of Army Civilians (DAC) to include post safety officers in CONUS. Also, civilian management of those firms participating in government contracts.

Four Department of the Army training films were written and produced for release in CY 74. Titles were: "The Aviation Safety Officer," "Aviation Management Survey," "Aircraft Accident Investigation," and "Aircraft Maintenance Safety." A 25 minute film narrated by CPT Charles F. Nowlin was produced locally by USAAAVS.

USAAAVS designated a representative for the Military Assistance to Safety and Traffic (MAST) test program to determine how aviation safety could be incorporated. The representative visited and received briefings from the DOD representatives to the Executive Coordinating Committee for MAST, Washington, D.C.; the 507th Medical Company (AA), Fort Sam Houston, Texas; and the 54th Medical Detachment (RA), Fort Lewis, Washington. Substantial aviation safety recommendations were submitted for inclusion in the MAST DA regulation draft. An article entitled "MAST Must" was submitted to the U.S. ARMY AVIATION DIGEST by the USAAAVS representative for future publication.

The Aviation Accident Prevention Course was presented for three consecutive weeks to aviation units in USAREUR. Aviation commanders and aviation safety officers at ten airfields were visited by the instructional team.

Initiated a correspondence course on accident prevention management for NCOIC's for the Department of Army-Wide Training Support, USAAVNC/S, Fort Rucker, Alabama.

Reports:

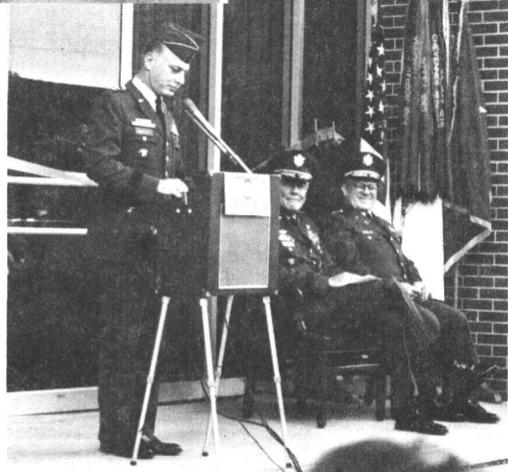
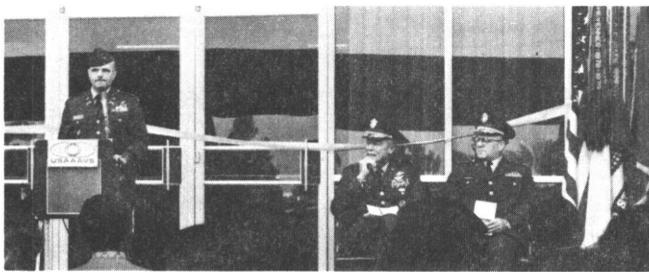
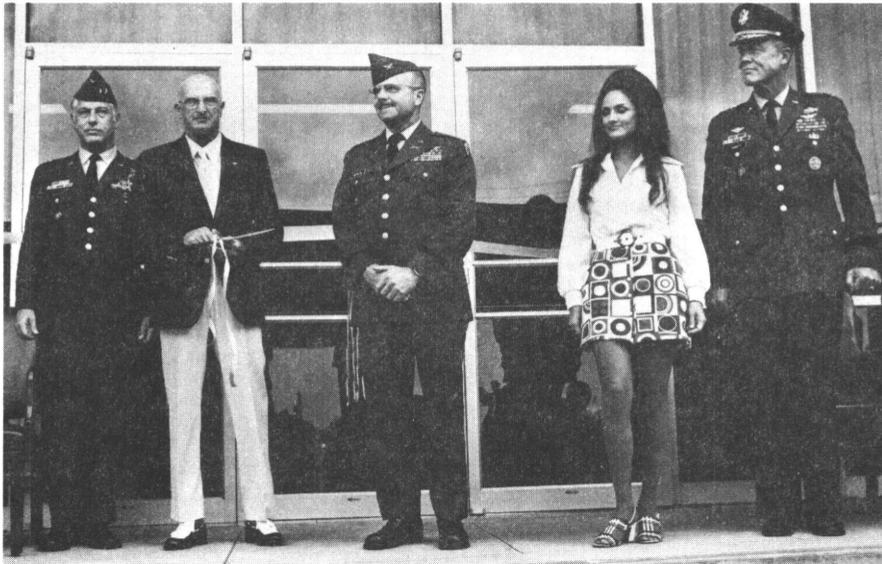
- U-21 Mishap Experience Report
- OH-6 Mishap Experience Report
- OH-54 Mishap Experience Report
- OH-58 Mishap Experience Report
- U-3 Mishap Experience Report
- AH-1G Mishap Experience Report
- 12th Joint Services Aviation Safety Conference Brochure and Final Report

Pamphlets:

- Causes of Aircraft Accidents: Human Error in General, Pilot Error in Particular
- NOE Flying Pamphlet
- First US Military Aircraft Accident Pamphlet
- Ten Points for Command Attention
- Skycrane Operation Pamphlet

Newsletters, Guide, and Special Publications:

- Four quarterly issues of Flight Surgeons Newsletter
- Four quarterly issues of System Safety Newsletter
- 52 weekly issues of Flightfax
- 12 issues of Maintenance Fax
- Monthly input of 18 pages to AVIATION DIGEST and covers
- Aircraft Accident Prevention Course textbook
- USAAAVS Organization and Functions Manual
- Guide to Aviation Resources Management
- Commander's Sample Aviation Accident Prevention
- Crash rescue posters for UH-1, OH-58, and AH-1 aircraft
- Five Year Operating Program
- Four issues of the Quarterly Program Review and Analysis



The U.S. Army Agency for Aviation Safety, USAAAVS, commanded by COL F. M. McCullar, officially opened its new home during a ribbon cutting ceremony on 20 July 1973, a building specially designed for USAAAVS mission and functions. Distinguished guests in attendance were: MG Allen M. Burdett, Jr.; MG William J. Maddox; Mr. Marvin Lewis, President of the Dothan Coca Cola Bottling Company; former USAAAVS commanders, and Pearl.

# UNITED STATES ARMY AERO MEDICAL RESEARCH LABORATORY

## ORGANIZATION

USAARL is organized into seven major divisions. They are:

- Administrative Services Division
- Aviation Medicine Research Division
- Aviation Psychology Division
- Bioacoustics Division
- Bioengineering & Evaluation Division
- Physiological Optics Division
- Technical and Logistical Services Division

## MISSION

Conducts studies on current and anticipated medical research problems of fundamental or immediate nature relevant to Army aviation, airborne operations and MAST. Develops, tests and evaluates hearing protective devices and is the responsible lead medical laboratory for research in vision, and bioacoustics for the US Army. Provides consultative services to other elements of the Federal Government, DOD and the Army. 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.

## PERSONNEL

As of 31 December 1973, spaces were authorized for 22 officers, 31 enlisted men, and 40 Department of the Army Civilians. The Commander of the US Army Aeromedical Research Laboratory is COL Robert W. Bailey.

## ACCOMPLISHMENTS

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. While this does not reflect a change in the basic activities of US Army Aeromedical Research Laboratory, recent Army trends and realignments have necessitated restructuring the organization to efficiently deal with a wider range research tasks. The US Army Aeromedical Research Laboratory assumed the Army wide research responsibility for vision and audition during 1973, which required the deactivation of the Biophysics Division within the organization and the formation of two new divisions -- Bioacoustics and Physiological Optics. The US Army Aeromedical Research Laboratory's program is developed through inflight 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 into problems of hearing loss, color vision, airmobility, and other factors that affect the safety, well-being and efficiency of the aircrewmembers. Research results are applied to physical standards, medical aspects of selection, retention, training, operations, performance, safety and equipment.

Development and Evaluation of the pneumatic Military Anti-Shock Trousers. The device has been shipped to seven different locations for field testing by both Army and Air Force organizations as well as the University of Miami Medical School.

The development of a Prototype Oxygen system for helicopter use is being conducted. The proposed system will be especially useful for aerial rescue missions above 10,000 ft MSL and is designed for both crew and patient use. Plans have been developed for operational testing of this system by Army medical rescue units.

Protocols for the study of long range, large scale aerial troop delivery were prepared.

Data reduction of electrocardiographic recording of free-fall parachuting was completed.

A technique for measuring risk-taking behavior in Army aviators has been established.

A comparative study of altimeter designs has been initiated.

Evaluation of noise levels of the SM-56 Mine Dispersing Sub-system was completed.

A proposed audition test has been designed and is being validated utilizing the Fast Fourier Transform instrumentation to compare this rapid labor saving technique with the American National Standards Institute stand method. Magnetic tape storage of data from these tests has been determined to be feasible. Real-ear attenuation tests have been conducted on several designs of attenuation devices. Varying results have been obtained, and analysis is in progress preparatory to final report preparation.

Sampling is complete for blood and urine chemistry studies of schizophrenic patients and pilots participating in nap-of-the-earth flight. Analysis is in progress.

The US Army Aeromedical Research Laboratory and US Army Aviation Systems Command are sponsoring a joint program to construct additional crashworthy helicopter troop seats to be used in a dynamic test program designed by US Army Aeromedical Research Laboratory. The spectral dynamics, mechanical impedance and shock spectrum equipment have been installed and debugged.

Extensive experiments have begun on helmets and animal joints to determine their resonant frequencies and Q factors. An astroarthritic joint model of the pig has been developed as a preliminary step to the initiation of investigation into the physiological effect of vibration on flight personnel.

Joint cartilage chemistry studies are under way for application to in-vivo vibration work.

Quality assurance tests of SPH-4 helmets disclosed that helmets produced by certain companies were characterized by defective earphone mountings which prevented the ear-cups from being held in a rigid position. This led to a threatening deterioration of adequate acoustic protection.

Attenuation and impact characteristics of the first-run production model of Gentex DH-132 helmets were determined to meet the specified values of the operational and medical requirements.

The computer model of burn dynamics contracted from IITRI for the thermal project was debugged and became operational.

A bioengineering suitability evaluation of the Stanley-Yankee extraction system for the OV-1 Mohawk is in progress.

The US Army Aeromedical Research Laboratory has been designated by Department of the Army as the end-item verification and quality assurance laboratory for the SPH-4 and DH-132 helmets.

Technical assistance is being provided to AVSCOM for the program to retrofit all Army aircraft with high intensity collision avoidance lighting systems. The technical characteristics for this system were established by laboratory and in-flight research.

A collision avoidance paint scheme for application to helicopter main (upper) and tail rotor (both sides) blade surfaces has been recommended to AVSCOM for Army standardization. This was a joint study with the Royal Air Force at Farnborough England and is proposed as a NATO standard.

Plans have been made to obtain a special bifocal for application to the AN/PVS-5 Night Vision Goggle.

Initial in-flight studies involving the medical aspects of stabilized optical devices (air-to-ground) were begun in conjunction with the US Naval Aerospace Medical Institute.

Input to the US Army Aviation Test Board has been coordinated for a planned test of the LUU-2B/B Airborne Flare.

Data collection for the study of nocturnal myopia is continuing.

Extensive research into pilot performance and communication between aviators during nap-of-the-earth flight is being conducted.

Data on aviator performance during incline operations is being acquired.

Acquisition of a gas chromatographic, mass spectrographic data system provides The US Army Aeromedical Research Laboratory the capability to analyze both qualitatively and quantitatively any organic compound with a molecular weight of less than 2500.

Two OV-1 Mohawk aircraft have been obtained to support a wide variety of aeromedical research investigations.

A C-47 aircraft has been acquired and retrofitted to provide support for test and administrative activities of the US Army Aeromedical Research Laboratory.

The following reports were published by The US Army Aeromedical Research Laboratory during CY 1973:

- USAARL 73-7 Bump Protection Evaluation of the Standard T56-6 and Prototype DH-132 Combat Vehicle Crewman's Helmet.
- USAARL 73-8 Real-Ear Sound Attenuation Characteristics of the DH-132 Helmet for Armored Vehicle Crewmen.
- USAARL 73-9 A Comparison of Methods of Preparing Porcine Skin for Bioassay of Thermal Injury.
- USAARL 73-10 Rectal Temperatures of Miniature and Domestic Swine.

USAARL 73-11 Military Anti-Shock Trousers.

USAARL 73-12 Porcine Burn Shock--Development of a Reliable Model in Response to Sodium, Water and Plasma Loads Administered for Resuscitation.

USAARL 73-13 Bump Protection Evaluation of the Standard P/N 791 Combat Vehicle Crewman's Helmet.

USAARL 73-14 Real-Ear Sound Attenuation Characteristics of the Sierra P/N 791 AVC Helmet.

USAARL 73-15 Study of Flight Environment Effects on Helicopter Gunner.

USAARL 73-16 Preliminary Evaluation of Portable Aviation Oxygen Systems.

USAARL 74-1 Chronic Transdermal Electrodes.

USAARL 74-2 Army Autorotation Accidents.

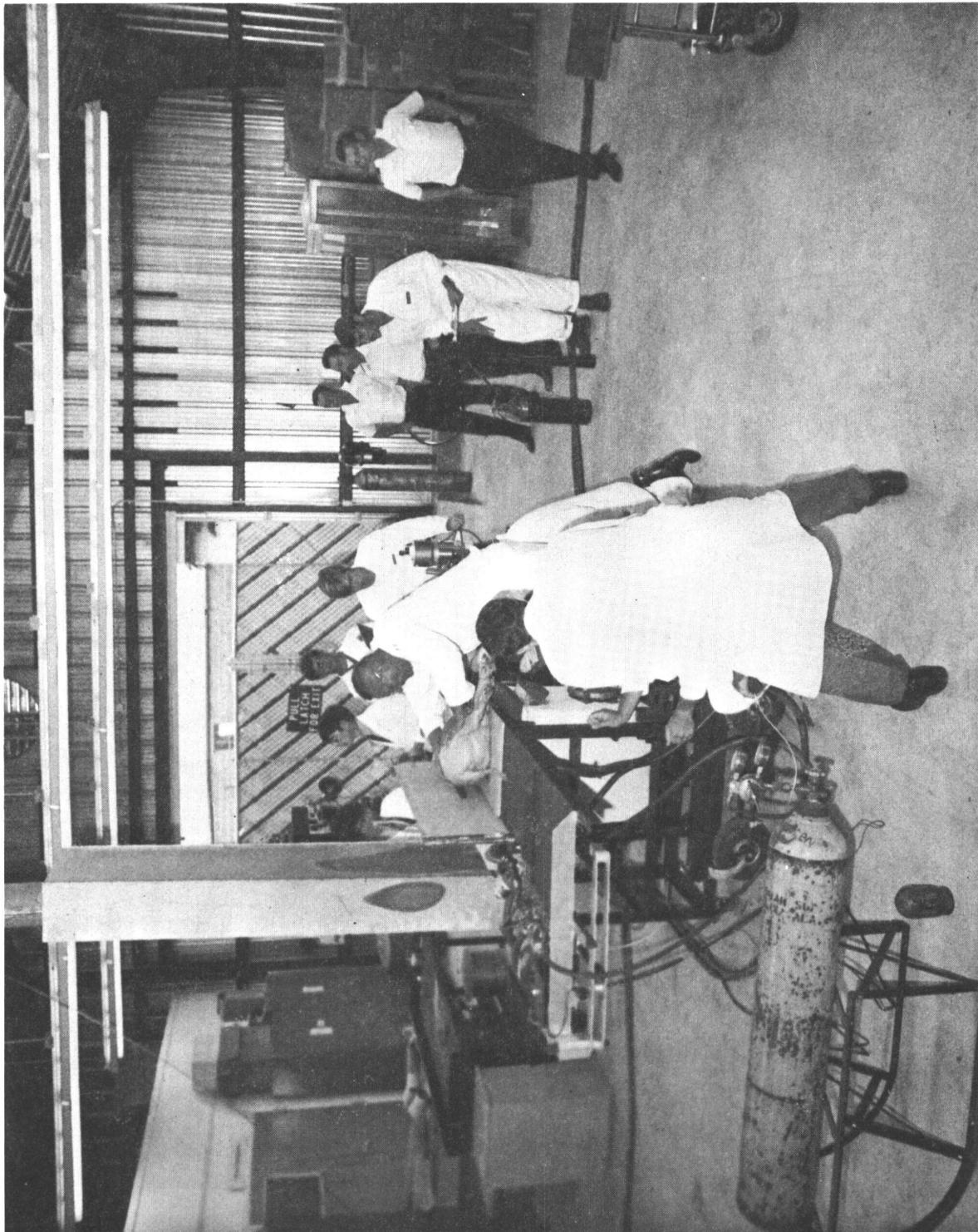
USAARL 74-3 Orientation-Error Accidents in Regular Army  
NAMRL 1188 Aircraft During FY 70: Relative Incidents and Cost.

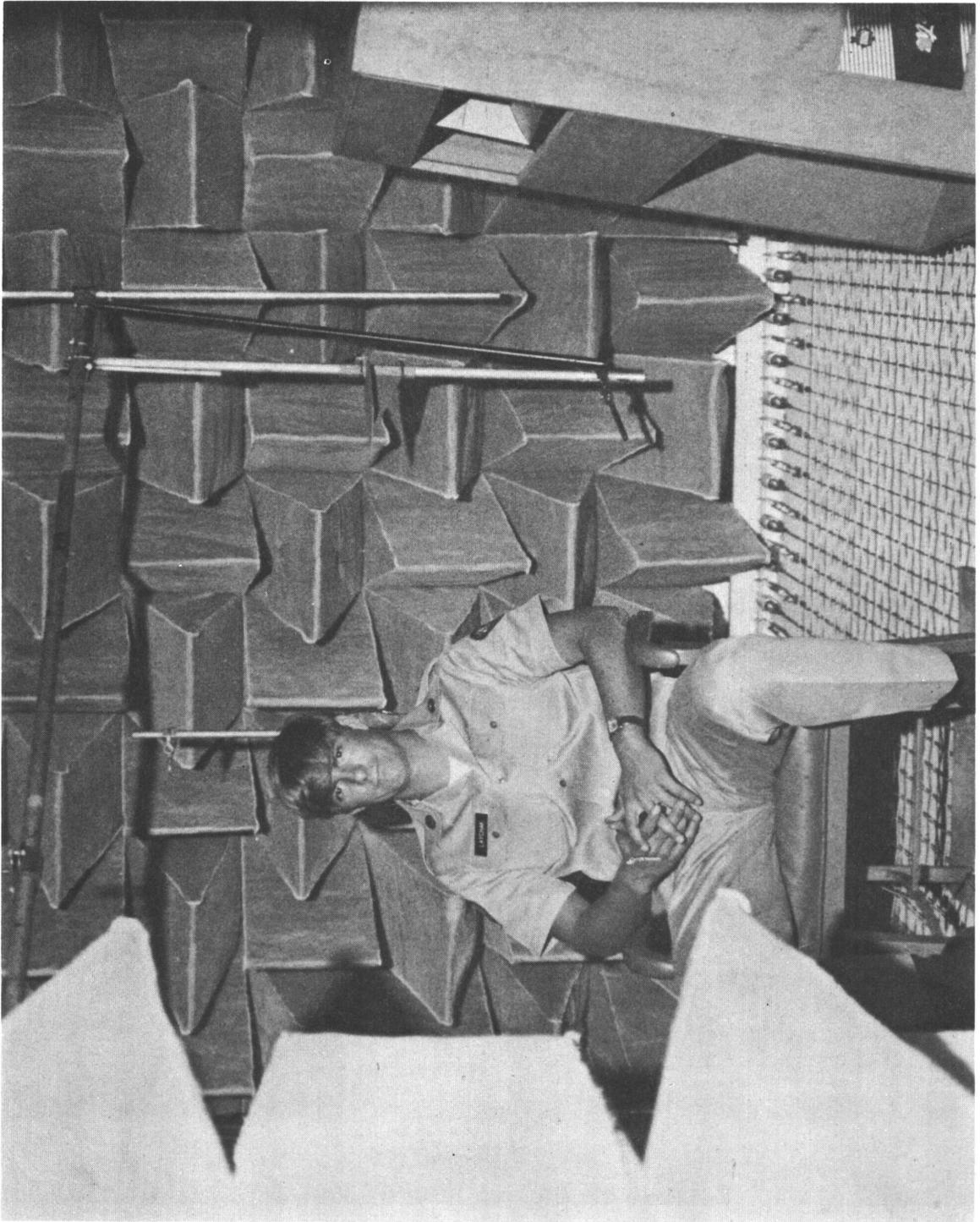
USAARL 74-4 Parachute Escape From Helicopters.

USAARL 74-5 Orientation-Error Accidents in Regular Army UH-1 Aircraft  
NAMRL 1192 During FY 70: Relative Incident and Cost.

USAARL 74-6 The Effects of Initial Spinal Configuration on Pilot Ejection.

USAARL 74-7 Aviator Visual Performance in the UH-1.





## UNITED STATES ARMY AVIATION HUMAN RESEARCH UNIT

### ORGANIZATION

There was no change in the United States Army Aviation Human Research Unit or Human Resources Research Organization--Division No. 6 (Aviation) organization during the reporting period.

### 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.

### PERSONNEL

Authorized personnel at the end of CY 1973 was 1 officer and 10 enlisted, on board were 3 officers and 4 enlisted. The supported contract agency, HumRRO Division No. 6 was staffed at 18 civilians. There were no major changes in strength for either unit.

### ACCOMPLISHMENTS

The entire Army Aviation system has rapidly increased its complexity through technological advances in aeronautical research during the past years. These developments have produced changes in the role of the human operator of these systems, and as a result have increased the necessity to view the operator with the same degree of scientific behavioral research, the Army Aviation Human Research Unit and HumRRO Division No. 6 (Aviation) seek to assure that the training and environment of the individual in these complex manmachine systems are equally modern and effective.

Research activities for HumRRO Division No. 6 (Aviation) are outlined in Department of the Army, HumRRO work program for CY 1973-74. The research program is as follows:

#### WORK UNIT PREDICT

Work Unit PREDICT is designed to develop operational system for predicting student performance during Army Aviation training, and operational assignments by means of computerized multiple regression equations and probability tables.

The intent is to supplement primary selection procedures for providing information to training managers on the probability of successful completion of Initial Rotary Wing Training by students who have been referred for elimination.

- a. PREDICT I - Initial Entry Performance Predictions
- b. PREDICT II - Aviator Combat Performance Predictions
- c. PREDICT III - Inactive

d. PREDICT IV - Prediction of Individual Flight Safety Records

The first of the report concerning the predictions of aviation accidents is approximately 80 percent complete. Coordination with various levels of the Aviation School was continued in order to implement the utilization of the PREDICT system at the Primary Helicopter School at Fort Rucker, Alabama. It was determined that the PREDICT information would be used in the Warrant Officer Candidate Companies at the Company level only. Therefore, the program to institute a counseling/training system for the Tactics, Advising and counseling (TAC) officers was abandoned. Further efforts were directed toward transferring HumRRO's functions in the PREDICT system to the Management Information System Office (MISO) at Fort Rucker. Efforts to check the validity of the PREDICT information against actual outcome of students at Fort Rucker were begun. The operational system for predicting student performance in rotary wing primary flight training is 100 percent complete. Only its implementation remains. The aviation safety and combat proficiency studies are 80 percent complete.

Potential Military Research End-Results: The products of this research are directed toward operational systems designed to enhance the effectiveness and efficiency with which personnel decisions may be made pertaining to selection, training, and assignment of Army Aviators--

WORK UNIT SYNTRAIN

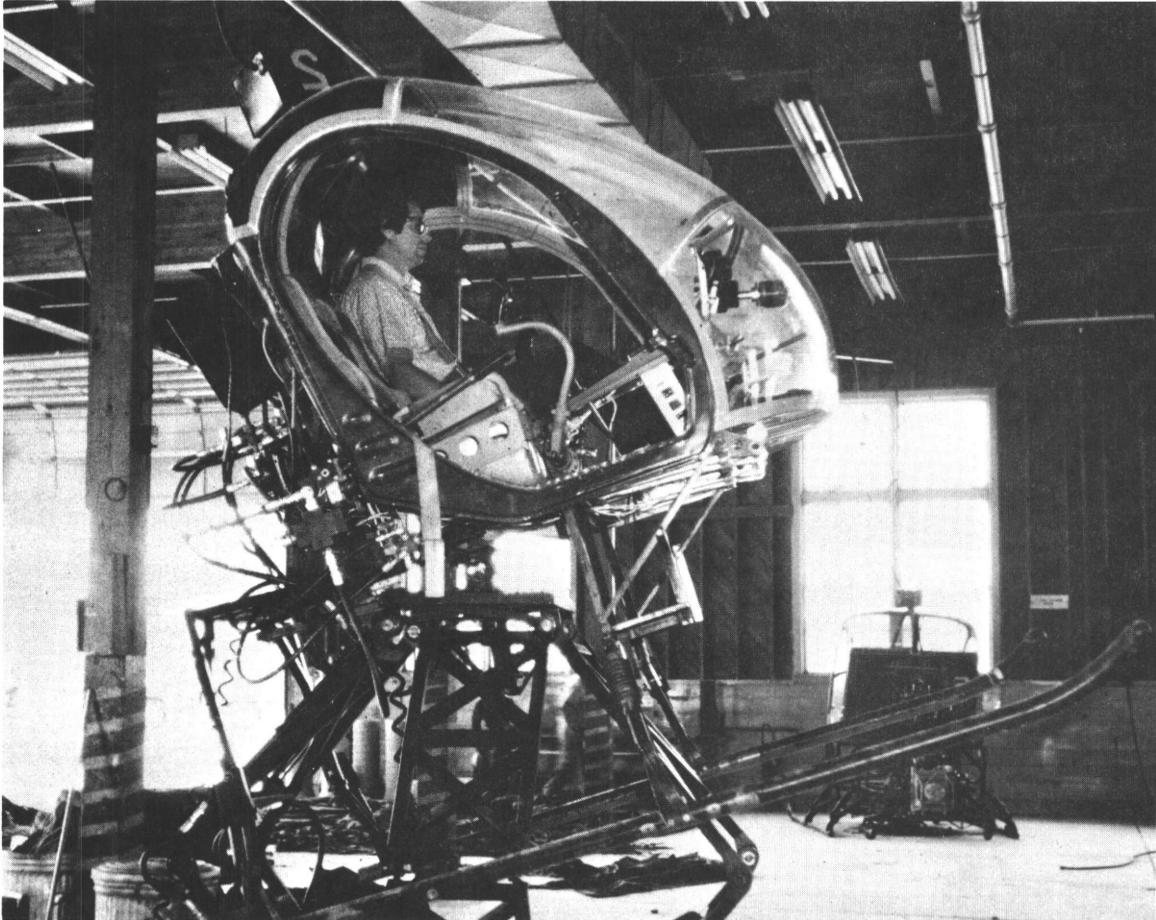
Work Unit SYNTRAIN is concerned with expediting applications of advanced training technology in the design and utilization of synthetic devices in Army aviation training through surveys of training device requirements and technology and by human factors and training research. In addition it provides technical assistance, in the areas of human factors and advanced training technology to agencies responsible for the development of modern rotary wing synthetic flight training equipment, and to apprise the Chief of Research and Development of the progress of human factors and training technology activities.

SYNTRAIN I: Synthetic Rotary Wing Training

The USAPHS located at Fort Wolters, Texas requested that HumRRO Division No. 6 evaluate the Hover-Trainer Device. Data collection on trainer participating in the Hover-Trainer Evaluation was completed and a memorandum summarizing the results was submitted to the Army Aviation School. A draft technical report describing the results of the evaluation is in preparation. Human factors and training technology inputs to the agencies developing the 2B31 continued. Development of new undergraduate pilot training programs utilizing Device 2B24 continued. In this connection, two sample pairs of students have undergone test training in the 2C35 cockpit procedures trainer. Work was continued to assist the Department of Graduate Flight Training in their expanded application of simulation in several of their training programs. The draft technical report describing the operational suitability test of Device 2B24 was completed and is undergoing Division review. Work on this sub-unit is approximately 70 percent complete. This research effort is providing technical assistance in the areas of human factors and advanced training technology to agencies responsible for using, reviewing, and development of modern synthetic flight training equipment. The SYNTRAIN research staff is providing human factors information and assistance in training to the Aviation School, The Naval Training Equipment Center and various contractors and subcontractors engaged in development of the SFTS, and in the development of new flight training programs which will contribute significantly to the Army aviation training mission.

EXPLORATORY RESEARCH

ER-92 Human Factors Requirements in Airmobility During Continuous Operations. This work was designed to identify potential human factors problem areas with respect to personnel and material subsystems and doctrine. During CY 73 the human factors analysis and documentation of human factors problems was continued. Documentation of literature-reported performance decrements on various kinds of tasks due to environmental factors and the application of this data to human factors requirements for resolving the problems was begun. Technical completion of this study is approximately 90 percent.





The RWQC academic instruction is limited to the roles and mission of the helicopter in the various major air commands. The Detachment staff also provides orientation briefings on USAF helicopter operations for the wives of each class.

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.

## OFFICE OF AEROMEDICAL EDUCATION & TRAINING

### ORGANIZATION

The Office of Aeromedical Education and Training consists of an Operations and Administrative Division, Professional Education Division, Physiological Training Division, Aeromedical Consultation Service Division and a Review, Disposition Branch.

### MISSION

Advise the Assistant Commandant, on all aeromedical education, aeromedical fitness, and safety pertaining to USAAVNS personnel. Plan, coordinate and supervise the conduct of all aeromedical education and training of medical and nonmedical personnel in the USAAVNS. Plan, coordinate and supervise the conduct of the third-year (Phase III) of the Army's Aerospace Medicine Residency Training Program under the direction of the Office of The Surgeon General, Department of the Army. Operate the world-wide US Army Aeromedical Consultation Service IAW AR 40-501 and AR 600-108. Plan, prepare and review aeromedical training, doctrinal literature and correspondence courses for which USAAVNS has proponency. Exercise review, waiver and suspension authority pertaining to medical qualification for flying duty.

### PERSONNEL

Authorized strength is thirteen officers, ten enlisted and two Department of the Army civilians for a total of 25.

### ACCOMPLISHMENTS

#### OPERATIONS AND ADMINISTRATIVE DIVISION

This division is responsible for advising the Assistant Commandant on all matters pertaining to the operation and mission of the Office of Aeromedical Education and Training and for the direct supervision of the staff and divisions of the Office of Aeromedical Education and Training. All administration functions essential to the operation of OAET are performed by this division.

#### PROFESSIONAL EDUCATION DIVISION

This division is responsible for supervising preparation, presentation, revision and evaluation of all POI's, lesson plans, special texts, training aids, professional publications and examinations utilized in the training program.

#### PHYSIOLOGICAL TRAINING DIVISION

This division is responsible for supervising the maintenance and operational training conducted in the low pressure altitude chamber and spatial disorientation trainers as well as the planning and supervision of the aircrewmembers' physiological training program.

AEROMEDICAL CONSULTATION SERVICE DIVISION

The Aeromedical Consultation Service Division is responsible for operation of the Aviation Medicine Consultation Service (AMCS) (AR 40-501), the Aeromedical Consultation/In-Flight Evaluation Service (AC/IFES) (AR 600-108) and coordinating directly with Commander, US Lyster Army Hospital; Commander, USAARL; and Commandant, USAAVNS for specialized medical support requirements essential to complete required medical and surgical evaluation.

REVIEW DISPOSITION BRANCH

The Review Disposition Branch is responsible for review of all initial periodic and special flying physical examinations, except Class 3 and for the convening of the Aeromedical Consultation Board to determine fitness for flying duties in all obscure, questionable or controversial cases.

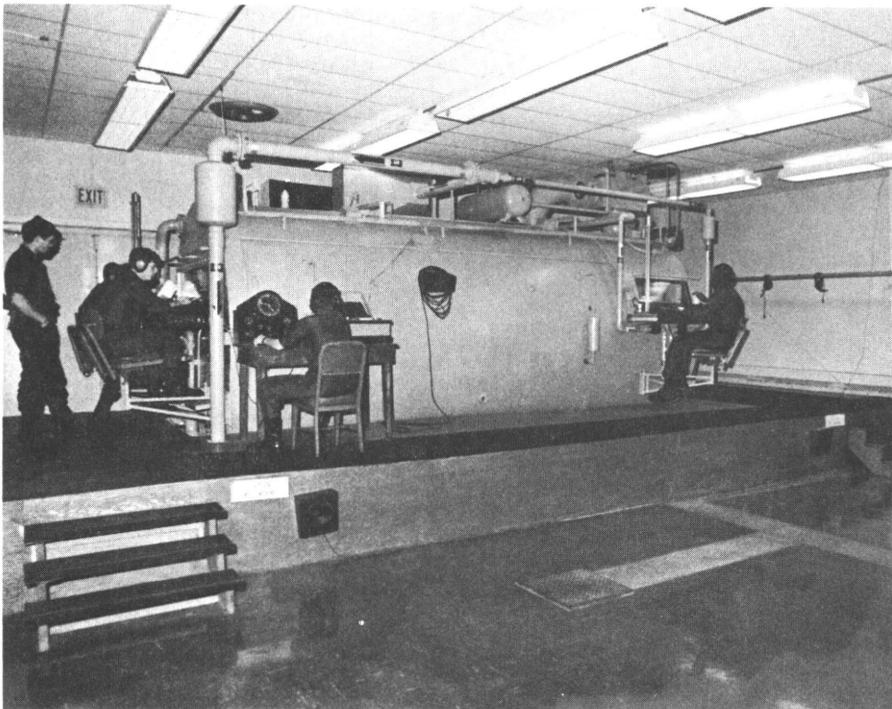
During CY 1973, 1,597 students received training in the low pressure altitude chamber and an average of 21 chamber flights per month were performed.

Consultations competed in the past year include:

Routine	100
Full consults	30
Silver Eagles	40
	<hr/>
	170

During CY 1973, OAET provided 3,757 platform manhours (platform instruction) on aeromedical subjects.

Since June CY 1973 the Review Disposition Branch Division has averaged reviewing 2,000 flight physicals per month.



## US ARMY COMMUNICATIONS COMMAND AGENCY

### ORGANIZATION

The U.S. Army Communications Command Agency is organized with the following divisions and branches:

Photographic Branch  
Audio-Visual Support Center  
Navigational Facilities Division  
Telephone Operations and Maintenance Branch

### MISSION

Serves as technical adviser to the Commanding General/Commandant on matters pertaining to mission support provided to the installation and its tenant activities by the U.S. Army Communications Command Agency. Advise the Commanding General on matters pertaining to base support provided to the US Army Communications Command Agency by the Installation.

### PERSONNEL

LTC Robert T. Hawk - Commander  
CPT Ralph R. Wrye - Chief, Communications/Navaid Divisions  
Mr. Arthur G. Wise - Supv Communications Management Specialist

### ACCOMPLISHMENTS

Due to reorganization of the Department of the Army and implementation of STEADFAST, Communications-Electronics mission at this installation was transferred to the United States Army Strategic Communications Command headquarters at Ft Huachuca, Arizona. As a result of the above action the DC-E became the United States Army Strategic Communications Command Agency, a Class II Activity, effective 1 July 1973. All activities were transferred except the Audio Visual Support Center and the Photo Lab. On 1 October 1973 the United States Army Strategic Communications Command was redesignated United States Army Communications Command. As a result of this action this Agency was redesignated United States Army Communications Command Agency (USACC).

#### PHOTOGRAPHIC BRANCH

The Center Photo Lab produced 351,436 negative equivalents during the first half of CY 1973 in support of the US Army Aviation Training.

#### AUDIO VISUAL SUPPORT CENTER

A total of 1,474 unclassified training, information or miscellaneous films were loaned to various civic groups, educational institutions and hospitals in Northwest Florida, Alabama and Southern Mississippi. The films were shown a total of 342 times to 10,260 persons.

On 1 Jul 1973 the Photographic Branch and Audio-Visual Support Center merged with Third U.S. Army Training Aids and became branches of the Training Aids Service Office.

### NAVIGATIONAL FACILITIES DIVISION

Installed internal TV distribution system in the new US Army Agency for Aviation Safety, building 4905, to provide weather and educational television throughout the building.

Designed, fabricated and installed interface equipment to pre-empt all channels of the commercial entertainment TV in the family housing area and substitutes local originated programming for emergency announcements and warnings.

Modified GCA radars at Hanchey Heliport and Troy Airport. Installed IFF interrogators into the systems to provide IFF capabilities to enhance the operations and improve flight safety.

Three electronics technicians completed a 20 week technical training course on the ARTS III computer equipment programmed for integration into the Cairns ARAC System in the 2d Quarter of FY 74.

Installed two weathervision channels into the BOQ CATV System.

Installed a complete new audio sound system in the Center Conference Room.

Knox and Shell Army Airfield communications completed and fields reopened.

Installed a television cable distribution system in the Learning Center.

Project to install a television camera in the Emergency Operations Center was approved. This will permit emergency messages to be passed utilizing the CATV.

Skipperville TAC GCA was closed and equipment declared excess to needs of Ft Rucker.

The Army Owned Cable TV system was discontinued.

A new equipment training team from US Army Electronic Communications Command, Ft Monmouth, N.J., conducted a two week training course on the new family of radios. Ten USACC Electronic Technicians and eight other personnel from other Posts, Camps and Stations completed the course.

The tornado that occurred 30 December 1973 destroyed approximately 1,000 feet of ETV cable, disrupted service to building T202, Department of Undergraduate Flight Training, and building 8912, Department of Standards and Instructor Training. Approximately 5,000 feet of trunk lines and feeder cable to approximately 45 houses were destroyed. This was part of the discontinued Army Owned TV system. There are no plans for replacement.

### TELEPHONE OPERATIONS AND MAINTENANCE BRANCH

The Telephone Operations and Maintenance Branch installed a telephone key system in the new USAAAVS headquarters building. This system consisted of approximately 100 telephones and 20,000 feet of associated cable. This system will provide direct communications between the Director and department chiefs and intercommunications within each department. Total cost of the system was \$14,000.

A new construction/maintenance truck was received that had been on order for approximately two years. This vehicle will allow this activity to provide more expedient telephone service to the subscribers of Ft Rucker.

## LIST OF ABBREVIATIONS

AAF	Army Airfield
AAH	Advanced Attack Helicopter
AAU	Amateur Athletic Union
ACP	Army Civilianization Program
ACS	Army Community Service
ADP	Automated Data Processing
ADPE	Automated Data Processing Equipment
AFB	Air Force Base
AG	Adjutant General
AGI	Annual General Inspection
AHP	Army Heliport
ALMD	Aircraft Logistics Management Division
AMC	Army Materiel Command
AMSC	Army Mechanical Service Corps
AMTD	Allied Military Training Division
ANC	Army Nurse Corps
AQAD	Aircraft Quality Assurance Division
AQC	Aircraft Qualification Course
AR	Army Regulation
ARAC	Area Radar Approach Control
ARTCC	Area Radar Traffic Control Center
ARTS	Automated Radar Terminal System
ASB	Administrative Services Branch
ATC	Air Traffic Control
AVN	Aviation
AVSCOM	Aviation Systems Command
AUSA	Association of the United States Army
BAFS	Base Airfield Support
BG	Brigadier General
BN	Battalion
BOQ	Batchelor Officers Quarters
BTAM	Basic Teleprocessing Access System
CAR	Condition and Response
CBRE	Chemical/Biological/Radiological Elements
CDR	Commander
CDWS	Civil Defense Warning System
CI	Command Information
CO	Company
COL	Colonel
CONUS	Continental United States
CPA	Certified Public Accountant
CPR	Civilian Personnel Regulation
CPT	Captain
CSM	Command Sergeant Major
CY	Calendar Year
CYO	Catholic Youth Organization
DA	Department of the Army
DAC	Department of the Army Civilian
DACT&E	Deputy Assistant Commandant, Training and Education
DAFT	Department of Advanced Flight Training
DC-E	Director, Communications- Electronics

LIST OF ABBREVIATIONS

DCO	Deputy Commander
DIMES	Defense Integrated Management Engineering System
DIO	Directorate of Industrial Operations
DGFT	Department of Graduate Flight Training
DGS	Department of General Subjects
DMEDA	Director of Medical Activities
DOD	Department of Defense
DOMT	Department of Maintenance Training
DOS	Disc Operating System
DPCA	Directorate of Personnel and Community Activities
DPTSEC	Directorate, Plans, Training and Security
DRTM	Department of Resident Training Management
DSIT	Department of Standards and Instructor Training
DUFT	Department of Undergraduate Flight Training
EM	Enlisted Man/Men
ENGR	Engineer
EOC	Emergency Operations Center
EOD	Explosive Ordnance Disposal
EST	Expanded Service Test
ETV	Educational Television
FAA	Federal Aviation Administration
FARRP	Forward Area Refueling and Rearming Point
FHMA	Family Housing Management Account
F/L	Forced Landing
FM	Field Manual/Frequency Modulated (Radio)
FORSCOM	United States Army Forces Command
FY	Fiscal Year
FW	Fixed Wing
GCA	Ground Controlled Approach
GO	General Order
GS	General Schedule
GRAFS	Ground Radar Airfield Support
HF	High Frequency
HLH	Heavy Lift Helicopter
IAW	In Accordance With
IERW	Initial Entry Rotary Wing
IFR	Instrument Flight Rules
IFF/SIF	Identification, friend or foe/selective identification feature
IG	Inspector General
ILS	Instrument Landing System
IO	Information Office/Officer
IP	Instructor Pilot
IR	Infra-red
ITD	Instrument Training Division
JA	Judge Advocate
JROTC	Junior Reserve Officers Training Corps
JUMPS	Joint Uniform Military Pay System
KP	Kitchen Police
LO	Letter Order
LT	Lieutenant
LTC	Lieutenant Colonel

## LIST OF ABBREVIATIONS

MAC	Military Airlift Command
MAJ	Major
MASSCAL	Mass Casualties
MASSTER	Modern Army Selected System Test, Evaluation and Review
MC	Medical Corps
MED	Medical
MTF	Multiple Fixed Tasking
MG	Major General
MIA	Missing in Action
MISO	Management Information Systems Office
MP	Military Police
MPI	Military Police Investigations
MSG	Master Sergeant
MTDA	Modified Table of Distribution and Allowances
MTOE	Modified Table of Organization and Equipment
MWO	Modification Work Order
NAFSC	Non-Appropriated Fund Service Center
NATO	North Atlantic Treaty Organization
NBC	Nuclear/Biological/Chemical
NCAICP	Nuclear/Chemical Accident, Incident Control Plan
NCO	Noncommissioned Officer
NCOA	Noncommissioned Officers Academy
NCOES	Noncommissioned Officer Education System
NG	National Guard
NOE	Nap of the Earth
NRA	National Rifle Association
OACSFOR	Office, Assistant Chief of Staff for Force Development
OAET	Office of Aeromedical Education and Training
OIC	Officer in Charge
OMAR	Operations and Maintenance Army Reserve
OMARNG	Operations and Maintenance Army Reserve and National Guard
OPMS	Officer Personnel Management System
OPLAN	Operations Plan
ORTT	Operational Readiness Training Test
ORWAC	Officers Rotary Wing Aviation Course
O/S	Operating System
P/L	Precautionary Landing
PCP	Program Change Proposal
PIO	Public Information Office
POI	Program of Instruction
POL	Petroleum Oils and Lubricants
POW	Prisoner of War
PREP	Pre-Discharge Education Program
PROV	Provisional
PWOC	Protestant Women of the Chapel
PX	Post Exchange
PYOC	Protestant Youth of the Chapel
QM	Quartermaster
REFORGER	Selected Units for Deployment in Europe
RET	Retired
RMI	Radio-Magnetic Indicator

LIST OF ABBREVIATIONS

ROTC	Reserve Officer Training Corps
RR/EO	Race Relations/Equal Opportunity
R/TV	Radio/Television
RW	Rotary Wing
RWQC	Rotary Wing Qualification Course
SFTS	Synthetic Flight Trainer System
SGM	Sergeant Major
SIDPERS	Standard Installation/Division Personnel System
SJA	Staff Judge Advocate
SOP	Standing Operating Procedures
SSPA	Sustained Superior Performance Award
TAADS	The Army Authorization Document System
TACAN	Tactical Air Navigation
TASO	Training Aids Service Office
TBI	Time Before Inspection
TBO	Time Before Overhaul
TC	Transportation Corps
TDA	Tables of Distribution and Allowances
TECOM	United States Army Test and Evaluation Command
TOE	Tables of Organization and Equipment
TOW	Tube Launched, Optical Guided, Wire Controlled
TRADOC	United States Army Training and Doctrine Command
TTYP	TRADOC Three Year Program
TUSA	Third United States Army
TWX	Teletypewriter Exchange
UHF	Ultra-High Frequency
USAAA	United States Army Audit Agency
USAARL	United States Army Aeromedical Research Laboratory
USAAVNC/S	United States Army Aviation Center/School
USACC	United States Army Communications Command
USACDC	United States Army Criminal Investigation Command
USAF	United States Air Force
USAHSC	United States Army Hospital Services Command
USMA	United States Military Academy
USAR	United States Army Reserve
USAREUR	United States Army, Europe
USASTRATCOM	United States Army Strategic Communications Command
USGAO	United States Government Accounting Office
UTTAS	Utility Tactical Transport Aircraft System
VBS	Vacation Bible School
VFR	Visual Flight Rules
VHF	Very High Frequency
VNAF	Vietnamese Air Force
VOR	Visual Omni-Range
WAC	Women's Army Corps
WB	Wage Board
WOC	Warrant Officer Candidate
WORWAC	Warrant Officer Rotary Wing Aviator Course

DISTRIBUTION

5 - SGS	2 - USAAPDT
10 - DPCA	5 - Office of Aeromedical Ed and Tng
100 - DPTSEC	5 - Det 1, Hq 29 ABGp (ATC)
10 - DIO	10 - MEDDAC
5 - Compt	20 - Hq Battalion
2 - SJA	35 - USAAVNS Bde
2 - IG	20 - 46th Engr Bn
2 - DFAE	5 - USAAVNTBD
2 - MISO	5 - Dep for Development
5 - IO	5 - USAAAVS
2 - USAAVNS Sec	5 - HUMRRO
10 - DUFT	5 - USAARL
10 - DGFT	5 - USAAVNS Library
10 - DSIT	5 - Center Library
5 - Dep for Training	5 - Army Aviation Museum
5 - DOMT	2 - Det 9, 16th Wea Sqdn
5 - DGS	2 - USACCA
5 - Dept Army-Wide Tng Spt	5 - Chief, Military History, Washington, DC 20315
2 - Acft Acdt Investigation Board	5 - CDR, TRADOC, ATTN: DCSOPS Historical Branch
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2 - CDR, Ft Gordon, GA	ATTN: Historical Officer
2 - CDR, Ft Campbell, KY	ATTN: Historical Officer

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