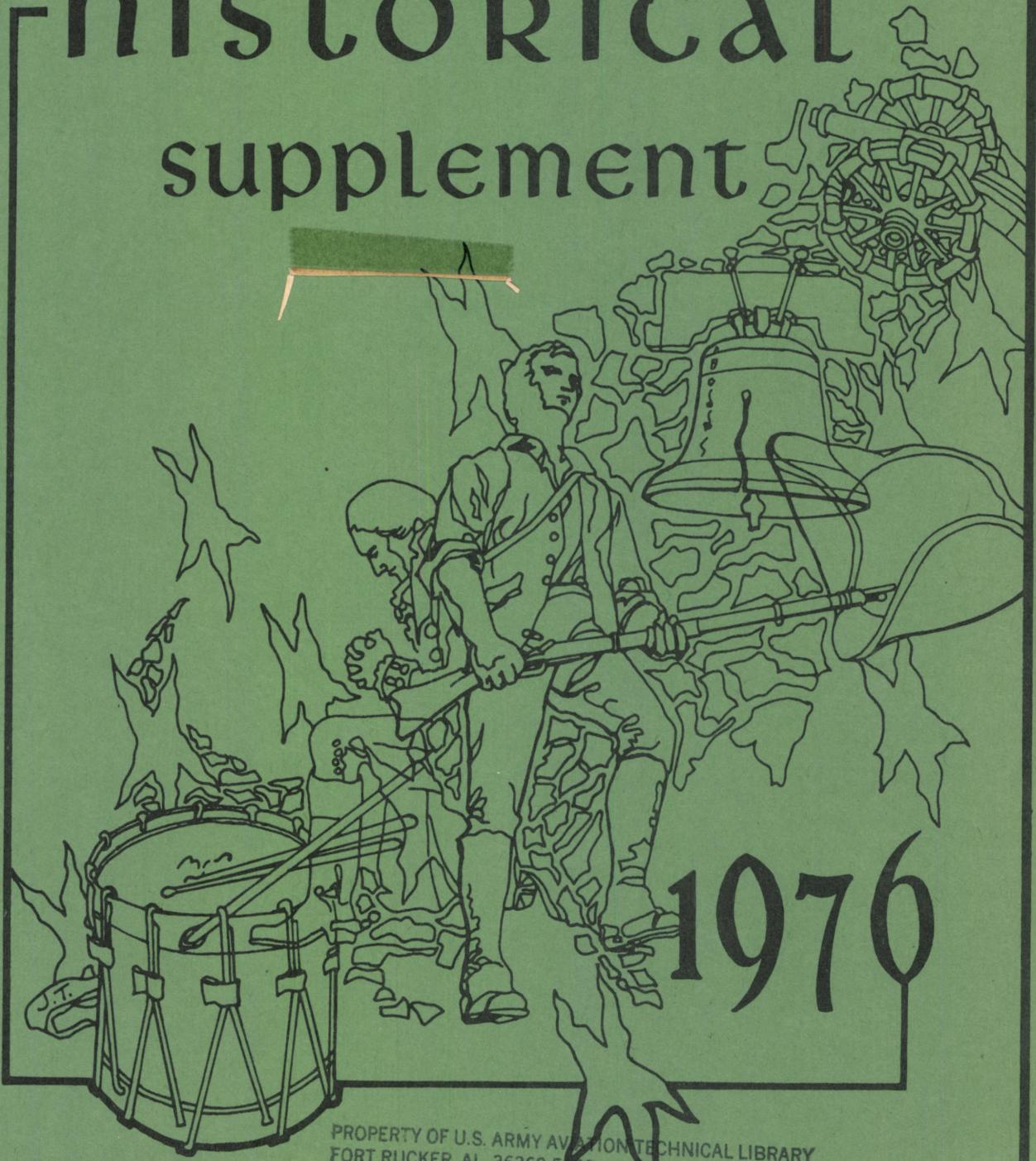
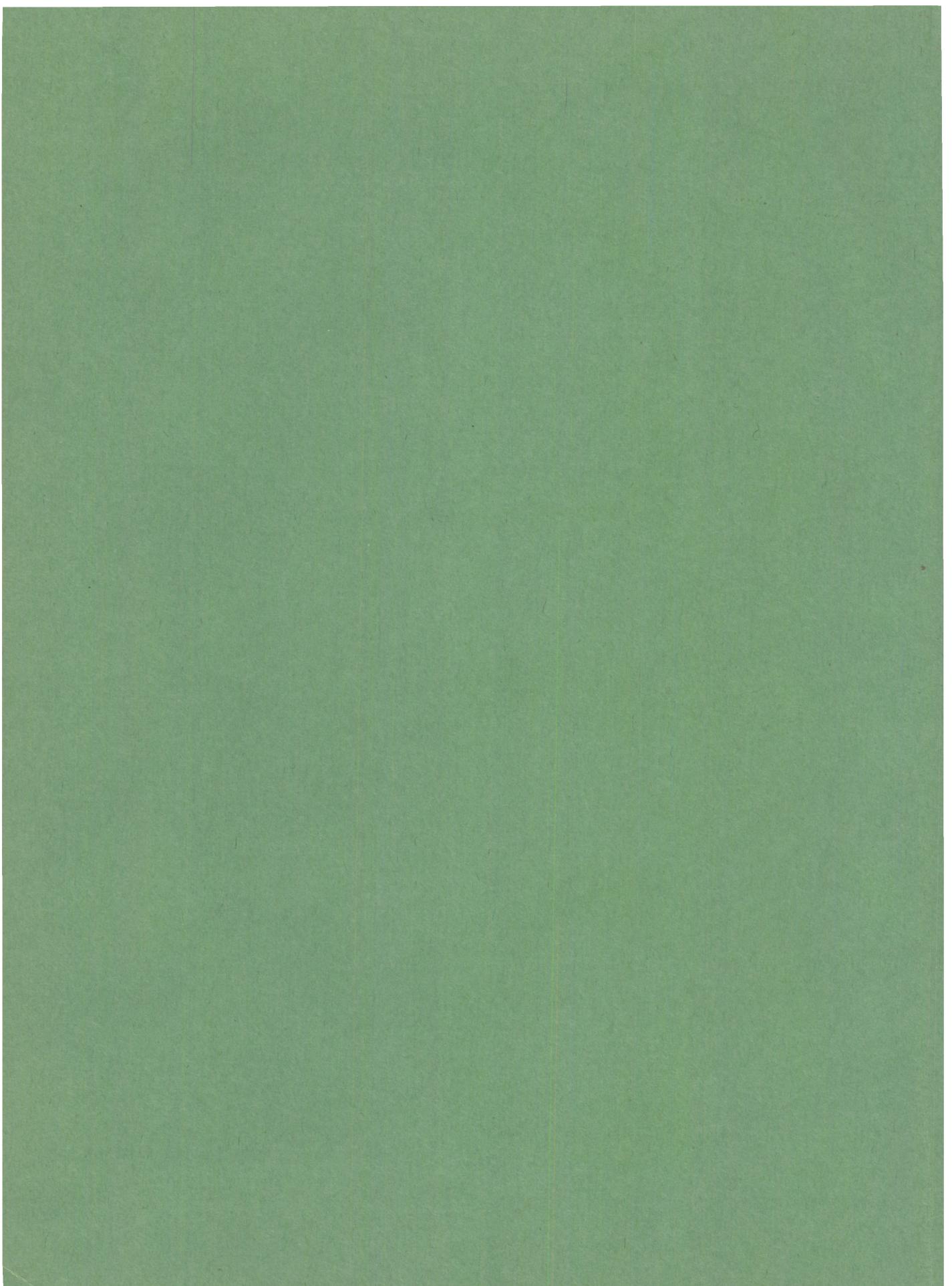


Fort Rucker
-historical
supplement



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Major General James C. Smith assumed command of the United States Army Aviation Center/Fort Rucker on 19 July 1976 from Major General William J. Maddox, Jr., who retired from active military service 30 June 1976.



Brigadier General Benjamin L. Harrison was assigned Deputy Commanding General, United States Army Aviation Center/Fort Rucker 1 October 1976, replacing Brigadier General Robert A. Holloman, III, who was reassigned to Headquarters, United States Army Forces Command 10 January 1977.



Colonel William R. Ponder was assigned Chief of Staff, United States Army Aviation Center/Fort Rucker 26 April 1976, replacing Brigadier General James H. Mapp who was reassigned to Chief, JUSMAAG - Philippines 14 June 1976.

PREFACE

The 12 years that have elapsed since the first edition of this supplement have been dynamic years in our nation's history, and these changes through which we have passed have, in consequence, greatly influenced the United States Army Aviation Center. Although it is not an easy task to interpret and evaluate that which is so close in point of time, the events recorded in this supplement are written for that purpose as well as to provide a permanent record of those events.

As in past years, 1976 has been a year of reorganization and change; however, the facts recorded herein will reveal that the individual esprit and morale at the United States Army Aviation Center remain "Above the Best."

This report was prepared in compliance with Headquarters, TRADOC Supplement 1 to AR 870-5.

The calendar year 1976 annual supplement is the twelfth in a series of Headquarters, United States Army Aviation Center annual supplements which began in calendar year 1965.

Information contained in this supplement is based on reports submitted by the various directorates and activity directors of this installation. All material is presented in an impersonal and objective manner.

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, or tenant activities, provided information is unclassified and its subsequent use is provided for in AR 360-5.

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 inactivated; 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 U.S. 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.

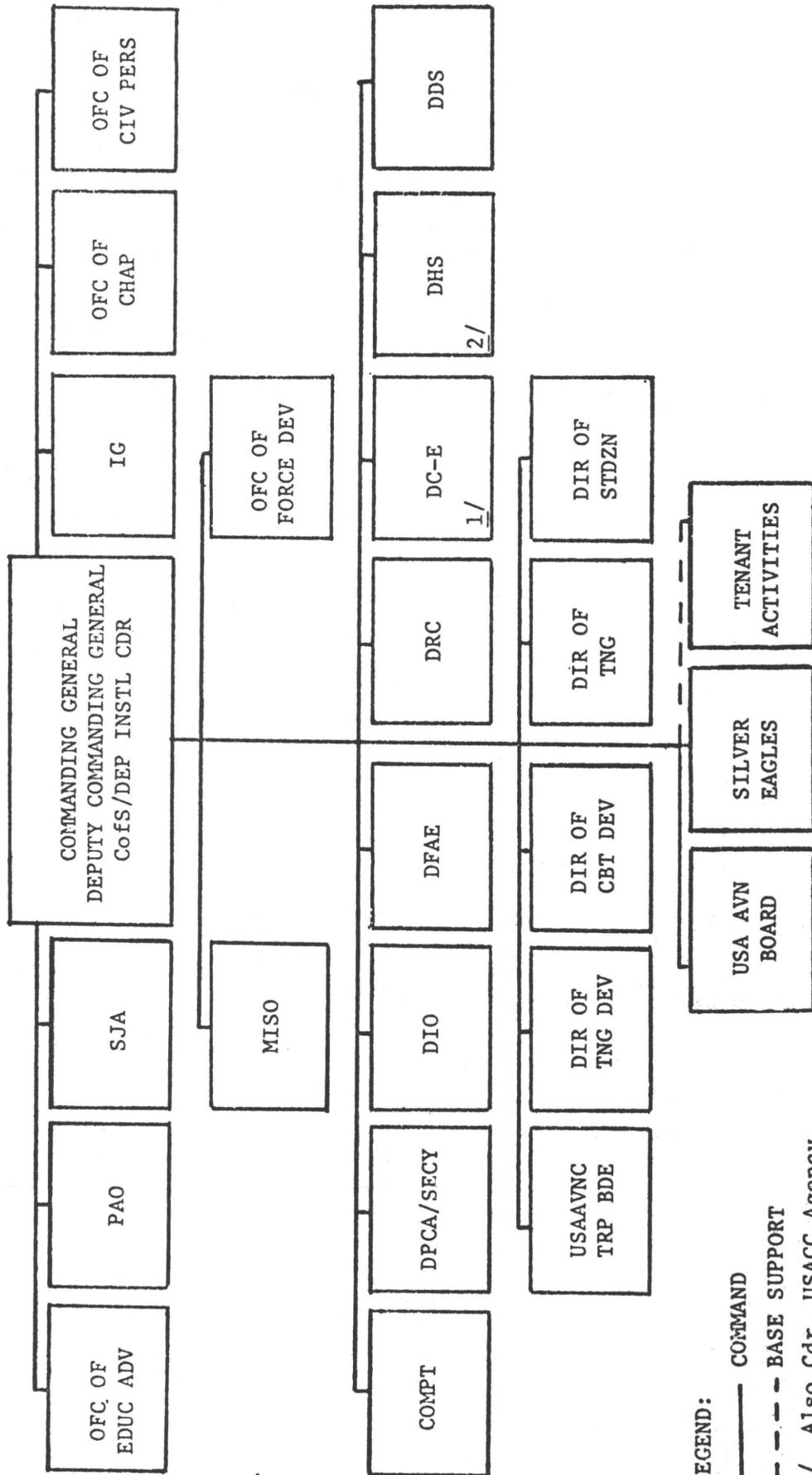
On 16 August 1973 AH1G AQC 74-4 reported to Fort Rucker for training previously conducted at Hunter AAF, Georgia, thus completing the consolidation of the United States Army Aviation School at Fort Rucker.

Since the end of the U.S. 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, requiring skills completely unique in aviation, is being constantly refined. Training programs are being updated to meet the challenge and employ the latest techniques.

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 the employment of Army aircraft and the standardization of the precepts of Army aviation worldwide.

DEPARTMENT OF THE ARMY
 UNITED STATES ARMY AVIATION CENTER AND FORT RUCKER
 FORT RUCKER, ALABAMA 36362

ORGANIZATION CHART



LEGEND:

— COMMAND

- - - - BASE SUPPORT

1/ Also Cdr, USACC Agency

2/ Also Cdr, USAAMC, HSC

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UNITED STATES ARMY AVIATION CENTER

US ARMY AEROMEDICAL CENTER

ORGANIZATION

The organizational structure of the U.S. Army Aeromedical Center, which includes five (5) elements - USLAH, Dental Activity, AAMA, Veterinary Activity, and Health and Environment Activity, is in accordance with HSC Regulation 10-1 with the Army Aeromedical Activity (AAMA) approved as a deviation to the basic organization. The Commander, US Army Aeromedical Center also serves as Director of Health Services on the Commanding General's staff.

MISSION

Provides health services to authorized personnel within the Lyster Health Service Area, including: Inpatient and outpatient medical and dental care and treatment to active duty and retired military personnel, their dependents, and other personnel as authorized by the Department of the Army; veterinary food inspection, animal care and zoonotic control; and preventive medicine services.

Advises appropriate staff elements of the Department of the Army and US Army Health Services Command (HSC) on all aspects of aeromedical education, physical fitness standards and safety pertaining to Army aviation personnel. Monitors Phase I and Phase II and supervises Phase III of the Army Aerospace Medicine Residency Training Program under the direction of the US Army Health Service in accordance with AR 40-501 and AR 600-108. Operates the Army Aeromedical Education Program in coordination with the Academy of Health Sciences, USAHSC. Plans, prepares, and reviews Army aeromedical literature for the USAAVNC and other proponents. Provides representation to all aviation oriented Administration Boards.

PERSONNEL

Colonel Raphael J. DiNapoli, MC, is the Director, Health Services, CDR, AAMC, and CDR, USLAH. As of 31 December 1976, 128 officers, 2 WOs, 196 EMs and 212 civilians were assigned to AAMC, for a total of 538 personnel.

The following personnel assumed key staff positions during the year:

COL William A. Campbell, Chief of Staff/Executive Officer
COL Francis A. San Filippo, CDR, Dental Activity
COL Daniel T. Sanders, CDR, AAMA
LTC Daniel S. Berliner, Chief, Professional Services
LTC John N. Leone, Chief, Logistics Division
MAJ Edward W. Bray, Chief, Orthopedic Surgery Service
MAJ David Brewer, Chief, Obstetrics/Gynecology Service

US ARMY AEROMEDICAL CENTER (Con't)

MAJ Henry A. Budd, Chief, Urology Service
MAJ Philip S. Choate, Chief, Comptroller Division
MAJ Brian S. Dantzler, Chief, Pediatric Service
MAJ Marlan E. Ray, CDR, Veterinary Activity
MAJ Paschal E. Redding, Chief, Department of Medicine
CPT Chris L. Tannahill, Chief, Medical Supply Section
1LT Robert L. Easterling, Adjutant
1LT Fred S. Hild, Clinical Laboratory Officer
Mrs Barbara Johnson, Budget Analyst
Mr Miles Robertson, Internal Review

US LYSTER ARMY HOSPITAL

PERSONNEL

COL Raphael J. DiNapoli, Jr, MD, Medical Corps, Commander.
COL William A. Campbell, Medical Service Corps, Executive Officer
LTC Daniel S. Berliner, MD, Medical Corps, Chief, Professional Services

ACCOMPLISHMENTS

The implementation of a full time Emergency Medical Service (EMS) in January 1976. This program permits better utilization of physicians. A staff of four physicians is assigned to the EMS and provides around-the-clock coverage. The expertise gained in the area of emergency care by the EMS staff while allowing other physicians to work full time in their own areas rather than having an obligation to also work in the emergency room evenings and weekends is beneficial to staff and patients alike.

Received two year accreditation from JCAH.

Medical training for non-HSC medical units has been upgraded through a new 90-day rotation of 427th Medical Company (Ambulance) personnel as attendants in the Emergency Room and wards/clinics within Lyster Army Hospital.

The Army Nurse Corps celebrated its 75th Anniversary during the month of February. In their 75th year, Army nurses are now being utilized in many expanded roles, providing continuity and individualized patient care.

The Save Your Vision Week was held in early March. Emphasis continues to be placed on early detection in young children. Left uncorrected, such a problem can cause learning difficulties.

The Military Assistance to Safety and Traffic Program completed its 200th mission during America's bicentennial. The program operated by the Air Ambulance Branch of Lyster Army Hospital has been in effect since April 1974.

The Air Ambulance Branch was presented with the US Army Agency for Aviation Safety Award for Merit for 12 months of accident free flying, accounting for 2384 flying hours during this period. MG Neel, CDR, HSC made the presentation.

The appointment system for the Outpatient Clinic was established in September 1976 in order to provide more efficient care to dependents and retired military personnel. Appointments are made by calling the central appointment desk. Walk-in patients will be treated in the ER if the patient's illness is so acute that it cannot wait until an appointment can be made. One half of all available appointments were scheduled up to two weeks in advance and the remainder are made available the day prior. This new procedure results in more efficient service, better care, and reduced waiting time for patients, along with equitable allocation of a scarce resource (physicians). In December 1976 additional changes in the appointment system for outpatient clinic were made to allow better access to the system for the most acutely ill people. Appointments continue to be made at the central appointment desk starting at 0730. Approximately 50 appointments are made for the same day on a priority basis, with approximately 50 appointments made for the following day. This revised appointment system provides easier access to health care while reducing the load of patients seen in the ER. The patient reduction in the ER allows ER personnel to see emergencies and extremely ill individuals.

The Pharmacy has begun filling prescriptions at the Aviation Medicine Dispensary. This saves personnel on flight status an extra trip to the hospital to include finding a parking space and additional waiting for the prescription to be filled.

The Staging Facility for the Air Force Patient Evacuation System moved from Maxwell AFB to Keesler AFB.

October marked the beginning of the Swine Flu Program for active duty military personnel. In November dependent and retired personnel received their shots until the program was halted in early December.

A major change in CHAMPUS is the extension to 40 mile limit for inpatient care. Non-availability statements are necessary for all inpatient treatment and are obtained from PAD.

Architectural plans for the hospital addition reached the 75% stage with the 90% state to be reached early in 1977.

Installation of patient modular units on the Med/Surg Ward.

Relocation of the Chapel closer to patients and family.

Bulk oxygen tank installed.

During November 1976 the medical stock record account was converted to the Medical Stock Control System, a program originated by HSC. The system is a basic update of the Third Army Line Item Accounting System. Basic desirable features or improvements include addition of nomenclature to listings and input/output cards, automated issue, requisitioning, and due-out release with manager review, pre-punched customer requests for stocked items, and improved customer and stock record management reports.

DENTAL ACTIVITY

PERSONNEL

Colonel Francis A. San Filippo assumed command of the Dental Activity and is the Director of Dental Services on the Commanding General's staff.

ACCOMPLISHMENTS

Expanded plaque control programs in all clinics to reduce the incidence of caries and periodontal disease. Plaque control instruction has been carried out on military personnel and their dependents, to include the Primary and Elementary School students. In the Primary and Elementary Schools all children are seen twice during the school year for Preventive Dentistry Counseling, prophylaxis and flouride treatment. Sponsorship of an installation-wide observation of the 1976 National Children's Dental Health Week, 1-7 February 1976 proclaimed by MG Maddox as Children's Dental Health Week at Fort Rucker. Local publicity was provided through the Public Affairs Office, Army Flier, Dothan Eagle, WTVY-TV, and WIRB radio and the Fort Rucker PTA quarterly meeting.

A construction bid was accepted in December for a new 18 chair dental clinic. Construction is to begin in February 1977.

US ARMY AEROMEDICAL ACTIVITY

PERSONNEL

Colonel Daniel T. Sanders assumed command in July 1976.

ACCOMPLISHMENTS

Review of Aeromedical Concepts and Equipment (RACE) Committee meeting was held 11 and 12 February 1976. Among the attendees were MG Maddox, Commanding General, Fort Rucker, MG Neel, Commander, Health Services Command, and BG Augerson, Director of Health Care Operations, Office of the Surgeon General. Discussion centered around Aeromedical doctrine to assure survivability/mission accomplishment in today's high threat battlefield environment.

The request to transfer the Aviation Medicine Service and the Medical Examination Service from the Department of Primary Care and Community Medicine to the US Army Aeromedical Activity (AAMA) on a test basis of one (1) year was approved by Health Services Command. These two operational elements have departmental status.

During August 1976 work began on designing and implementing a computer system to alleviate the administrative problems associated with removal of aviators from flight status for medical reasons. Treatment areas utilized by aviators were issued Medical Action Report computer cards to record treatment received. These cards are sent to the Patient Administration Division for consolidation and delivery to the Management Information Systems Office (MISO) at the close of business of normal duty days. After duty hours and on weekends treatment of aviators is rendered in the Emergency Room of Lyster Army Hospital and the Medical Action Report is completed and delivered to MISO. This system provides for faster identification of aviators who have been medically restricted from flight status. These aviators are then seen by a flight surgeon prior to being reinstated on flight status. This system is being considered for worldwide utilization and in support of the Aeromedical Data Repository.

During November initial plans were introduced for the renovation of Buildings 6801 and 6802 in order to relocate the Physical Examination Department and Aviation Medicine Department. This action was taken in order to move the departments closer to Lyster Army Hospital for patient convenience and administrative and professional support.

A total of 49 physicians graduated from the Army Aviation Medical Basic Course. Guest speakers for graduation exercises included MG Maddox in April, MG Neel in September, and BG Harrison in November.

VETERINARY ACTIVITY

PERSONNEL

Major Marlan E. Ray assumed command of the Veterinary Activity in December 1976.

ACCOMPLISHMENTS

Construction of the Equine Quarantine Facility.

Renovation plans for the present kennels have begun. The work will be accomplished by DFAE.

HEALTH AND ENVIRONMENT ACTIVITY

PERSONNEL

CPT Sandra M. Rentschler assumed the duties of Chief of the Health and Environment Activity in May 1976.

ACCOMPLISHMENTS

Numerous inspections and surveys were conducted ranging in scope from identification of necessary measures for the prevention and control of disease to occupational duty hazards.

Training of non-medical military units in field sanitation, personal hygiene, and emergency medical training.

Expectant parent classes continue to be appreciated by students.

An Occupational Health Nurse position has been established in the Health and Environment Activity. Also, a pregnancy surveillance program has been established.

Industrial hygiene equipment has been ordered. An industrial hazards survey of all operations will begin in early 1977.

An environmental impact assessment of each activity in the USAAMC was prepared by the Environmental Science Officer.

US ARMY AEROMEDICAL RESEARCH LABORATORY

MISSION

Conducts fundamental and applied research on the medical aspects of Army aviation, airborne and ground operations that affect the health, welfare and efficiency of the soldier; performs medical research on visual/auditory functions; man/machine integration; the medical aspects of nonmedical materiel; physiological/psychological responses to the operational environments; and military operational training impacts upon ecology. Provides technical advisory and consultant services to all elements of Department of Defense and other government agencies in support of helicopter, combat crew and airborne medicine.

ORGANIZATION

USAARL is a mission oriented research laboratory organized into the following divisions: Headquarters, Bioacoustics, Bio-Optics, Aviation Psychology, Aviation Medicine Research, Bioengineering and Life Support Equipment, Technical and Logistical Services, and Administrative Services.

The Bioacoustics Division performs in-house research in psychoacoustics and acoustics to solve problems that affect the efficiency, economy and health of the U.S. Army. The program encompasses both basic and applied research approaches in the areas of audition, psychoacoustics, physical acoustics, electroacoustics and auditory neurophysiology. The Bioacoustics Division investigates noise spectra in and around Army aircraft, evaluates and proposes design of various hearing protective devices and improved voice communication systems that affect the hearing and performance of U.S. Army agencies and other armed services on a variety of acoustical, psychoacoustical and electroacoustical problems as The Surgeon General's lead laboratory in this domain.

The Bio-Optics Division conducts basic and applied research related to operational vision problems. This includes applied projects related to spectacle frame design, ophthalmic lenses, helmet visors, aircraft conspicuity improvements through the use of high intensity ("strobe") lighting and exterior paints, night vision goggles, anti-laser goggles, airborne flares, stabilized optical devices, aircrew station lighting, cockpit instrument lighting, and instrument training hood design. More fundamental projects include studies of contact lenses, nocturnal myopia and its effect upon performance, dynamic visual acuity, depth perception, color vision, vision standards and clinical testing of visual parameters, image analysis, detection systems, and longitudinal studies of visual changes. Most projects are approached from a unique interdisciplinary blend of personnel trained in optometry, physiological optics, psychology, biophysics, and visual neurophysiology. Recently designated the "lead laboratory for vision" by The Surgeon General, the Bio-Optics Division

now maintains the added responsibilities for vision research for all phases of the military environment.

The Aviation Psychology Division emphasizes research in the area of aviator performance and how it is affected by variables which exist in the aviation environment. These variables include aircraft design, displays, controls, task loading, flight envelopes, the environment, drugs, and various physiological and psychological states. This effort entails airborne research conducted with an instrumented helicopter and in-house laboratory research program.

The Aviation Medicine Research Division represents several disciplines such as cardiology, respiratory, physiology, aviation medicine, veterinary medicine, and biochemistry. The division examines the physiological impacts of flying, parachuting, and airmobile operations upon the man. Major research efforts are currently underway to evaluate cardiovascular responses to high level stress, to evaluate certain constituents of body fluids as biochemical indicators of stress, and to improve the level of patient care during helicopter evacuation. The division has a continuing interest in cockpit toxicology, environmental control, anthropometry, and in the interactions of VTOL downwash with the man required to work in this force field.

The Bioengineering and Life Support Equipment Division is concerned with the problems related to the physiologic man/machine interface. Bioengineering is the complementary and synergistic application of physical and life science disciplines to define, research, evaluate and solve operational aviation medicine and physiologic problems related to this interface. The objectives of Bioengineering are to provide man with the best chance for survival in hostile aviation environments; to reduce mortality to morbidity and eliminate morbidity through prevention; and demonstrate that the first two objectives are timely, possible, prudent and cheap. These objectives are achieved by the application of preventive medicine principles to the engineering of hardware systems during the conceptual, design, RDTE and life cycles; and interpreting the results to engineers, planners and managers. The greatest effort is expanded in the areas of life support equipment, aviation safety design, and parachute and flight medicine. Research projects include a retrieval and study of aviation life support equipment items implicated in injury causation or prevention, the biological evaluation of thermal protective clothing, the cost of human injury and fatalities in Army aviation accidents, the effects of long term helicopter vibration on the musculoskeletal system, the dynamic evaluation of protective helmets, physiologic design of aircraft ejection seats, biodynamic aspects of crashworthy aircraft seating and structures design, inflight helicopter escape systems, long range troop transport, the natural history and epidemiology of acquired left bundle branch block, the physiologic effects of parachuting into drop zones at high elevations, the effects of the environment worthy evaluation of the UH-1 medical attendant's seat, cockpit and seat anthropometry, and the physical nature of the aviation post-crash fire.

The Technical and Logistical Services Division is comprised of the Graphic Arts, Lab Crafts, Supply, Electronics and Aviation Branches and plays an important role in supporting USAARL's research divisions in several ways. The Graphic Arts Branch provides photo, drafting and illustration services that translate research scientist's study results into readable, pleasing-to-the-eye displays. Both the Electronics and Lab Crafts Branches fabricate intricate and often one-time special use equipment to meet experimental research requirements. The Supply Branch has the challenging responsibility of acquiring through DOD supply channels, sole source and other sources difficult to acquire, highly specialized pieces of scientific equipment for the researchers. USAARL is assigned six aircraft administered by the Aviation Branch. These aircraft are used for both scientific in-flight studies and for transportation of key research personnel to distant locations throughout CONUS on an economical basis and to meet quick response requirements.

The Administrative Services Division provides administrative support to the research staff in the areas of general administration, management services, computer services, manpower, military and civilian personnel services and research library. The Hybrid Computer and Analysis Branch is responsible for coordination and centralized computer support for in-house research; programming and operation of general purpose digital, analog and hybrid computer; utilization and scheduling of computer equipment; development of improved computer techniques and procedures and maintenance of a tape file, card file and program library. The Research Library procures and maintains scientific and technical volumes, periodical and related information required for support of investigations conducted by the research staff. Facilities and equipment necessary for display, use and storage of this material are supervised by our library personnel. Liaison is maintained with military, civilian, and governmental libraries having related holdings so as to permit an exchange of material and avoid unnecessary duplication. The Management Branch is responsible for the coordination of the monetary, manpower, equipment, and physical requirements for use by the Commander in making planning decisions. Exercises staff responsibility for preparation of recurrent narrative Medical Research and Development program progress and emergency planning reports. Exercises staff supervision over the USAARL RDT&E budgetary activities insuring proper accounting and reporting.

GENERAL

The U.S. Army Aeromedical Research Laboratory (USAARL), a field service activity of the U.S. Army Medical Research and Development Command, conducts studies on current and anticipated medical research problems of fundamental or immediate nature relevant to Army aviation and airborne operations. USAARL is also involved with the fulfillment of the attendant responsibilities of The Surgeon General for the medical aspects of selection, retention, training, operations performance and equipment.

USAARL, located at the United States Army Aviation Center, Fort Rucker, AL, is in close proximity with other activities concerned with aviation research. Included among the aviation activities are the U.S. Army Aircraft Development Test Activity (USAADTA), U.S. Army Aviation Human Research Unit, U.S. Army Agency for Aviation Safety (USAAAVS), US Army Aviation Board, and the U.S. Army Aviation School. Collectively, these organizations form the U.S. Army Aviation Center Team and by close coordination and mutual cooperation, consider problems of broad application, isolate key issues and identify other matters of vital concern to Army aviation. This interaction also increases each organization's awareness of the other's involvement, provides for an exchange of ideas and the development of new approaches, thus bringing to light many areas where research is necessary. Specifically, it enables USAARL to conceive and conduct a research program that is highly responsive to Army aviation's operational problems and requirements.

Liaison is maintained with research laboratories of other military, governmental and civilian agencies to preclude unnecessary duplication of research effort. Complementary missions of USAARL and the Naval Aerospace Medical Research Laboratory (NAMRL) at Pensacola, FL, have resulted in a mutually beneficial association. This has been formalized by a Joint Army/Navy Aviation Medical Research Panel that reviews and recommends research projects of mutual interest.

Although directed primarily to the solution of immediate operational problems, the USAARL program also is based solidly in fundamental research projects influenced by long range requirements. The program is developed through inflight observations, studies of field problems reported by other aviation agencies, technical evaluation of aircraft and personnel equipment, frequent contact with Army Materiel Command and Army operational commands.

USAARL administrators endeavor to achieve the balanced research program necessary to marshal and maintain the academic, scientific and technical skills that will insure adequate support of Army aviation and the overall needs of the Army in vision, bioacoustics and bioengineering.

Investigations currently range from the more immediate problems associated with the helicopter and airplane cockpit environment to the long term fundamental studies in problems of hearing loss, color vision, and other factors that affect the safety, well-being and efficiency of the air-crewman and the soldier.

PERSONNEL

USAARL is operating under TDA MDWO3YAA, dated 1 October 1976. During CY76 and as of 31 December 1976, spaces were authorized for 28 officers, 38 enlisted men and 48 Department of the Army Civilians. The Commander of the U.S. Army Aeromedical Research Laboratory is COL Robert W. Bailey.

ACCOMPLISHMENTS

Military Anti-Shock Trousers - Cardiopulmonary hemodynamic studies in the laboratory animal, the mongrel dog, continue. Initial splenectomies have been performed to prevent autotransfusion. Cardiac output by thermodilution is utilized. Four mongrel dogs have been studied under hemorrhagic shock states and data collection is being analyzed. Initial data review suggests the blood pressure response to the MAST is due to change in peripheral resistance. Preparation of a preliminary report of findings is underway. Use of the MAST by USAF Air Rescue and Recovery Service has been coordinated. Twenty-three MAST were delivered for employment in helicopter rescue. Training by USAF is underway. Clinical data will be evaluated as forwarded by USAF.

Portable Oxygen System Evaluation - Procurement effort of component parts is complete. Hoses received from USAF with improper fittings have been corrected. The Aviation Systems Command is in the process of acquiring the remaining three systems and the chlorate candle oxygen generators. At present, only 48 chlorate candles are on hand which is preventing deploying the systems. The four available units are being modified by the manufacturer to attempt assembly of complete systems for a field trial at the earliest possible date. Delivery of modified systems is anticipated within the near future.

Aeromedical Evaluation UTTAS and 214A Helicopters - Intense effort has been expended in operational evaluation of UTTAS and 214A. Aviation medicine and bioengineering studies have been accomplished. Downwash studies and static electrical energy data were obtained. Evaluation of heating and ventilation requirements was also completed. Review of capability to accurately evaluate engine exhaust and armament gas contamination of cockpit and cabin required development of new on-line sampling and testing techniques. A compact mass spectrometer was obtained and support designed to allow continuous use in flight. Data was obtained during 40 day and night flight hours. Analysis of data of 800 flight profiles is complete. Data has been provided TECOM. Technical data and innovative techniques used to acquire data will be published in the near future.

Evaluation of Off-Shelf Helicopter Internal Personnel Hoist - Data collection from Breeze hoist and Western Gear hoist is being obtained. The initial Western Gear hoist 125 FPM and 250 FPM capability has been operationally tested. Data collection for speed, acceleration, control, input, temperature, and load has been analyzed. Comparison in flight of Breeze hoist ECP 720 modification and Western Gear hoist is being conducted. USAARL-LR-76-11-1-5 provides the preliminary data of Western Gear hoist. Man rating has been accomplished. Combined use with other JUH-1H helicopter missions is planned for continuing study of hoists. Data collection is complete for Breeze ECP 720 hoist. Preliminary report is complete, USAARL-LR-76-20-1-6. Project final comparative report is in preparation.

Evaluation of Oxygen Masks for US Army Aircrew - Evaluation of various oxygen masks for use in current and planned aircraft is ongoing. Comparison of USN 756 Side Port Mask, MBU12-P Masks, 50 each, is pending.

US Army Molecular Sieve Oxygen Generator (AMSOG) - In-house development of molecular sieve oxygen generator for OV-1 and advanced surveillance aircraft is ongoing. Bendix Corporation and Garrett Airesearch Company prototypes are under evaluation. Laboratory bench testing of flow and oxygen percentage (phase I) is 100% complete. Preliminary report is in preparation. Planning is underway for phase II ground static testing using OV-1, and phase III, low pressure chamber testing.

Mohawk Escape System - The model 741 seat is in its final configuration. A seat booster has been added to improve trajectory height. A total of 41 sled tests have been performed on the Stanley Aviation test track at Hurricane Mesa. A major coordination meeting was held at Stratford, Connecticut, 11 Feb 76, to direct future efforts by the interested parties: US Army, NASA, Sikorsky, Stanley, and Grumman. One rotor system research aircraft (RSRA) sled test at Holloman AFB, NM, has been completed by NASA. At zero forward airspeed, the rotors severed, and all three seats extracted. Although all dummies cleared obstacles and landed at acceptable rates of descent, pendant cutters failed to sever the rocket from the seat in all three seats. Further testing is anticipated 6 and 20 Oct and 3 Nov 76 at Holloman AFB, NM.

Aviator Mission Preference as Related to Personality Characteristics and Decision Making - Additional information has been obtained. A personality profile comparison was made between the Army aviators tested and a group of commercial airline pilots. A high significant correlation existed between the two profiles, while the Army aviators also significantly differed from the general population norm group. Integration of these data with the original information has been completed. A final report is being drafted.

Aviator Performance During Low Light Levels With Night Vision Goggles - The current investigation examined man-helicopter system performance across several levels of reduced illumination. Significant differences in system performance were observed when aviators wore the night vision goggles. This project is complete and results are presented in USAARL Report 76-27.

Visual Performance During Simulated IFR Flight - Eye movement data has been acquired from aviators of varying experience levels. Preliminary analysis of the more experienced aviators revealed that 68% to 70% of their total visual time is spent viewing two of the twenty-three instruments available on the UH-1 instrument panel. This visual pattern was consistent regardless of the flight maneuver. The next most utilized instrument only required 6% to 8% of the total visual time. Final review is being continued to include the latest results of simulation by other laboratories.

Comparison of Visual Performance of Monocular and Binocular Aviators During VFR Helicopter Flight - Data has been acquired and analyzed.

Initial comparisons indicate that the monocular visual performance generally resembled that of binocular aviators with regard to the areas of the windscreen used but varied with regard to the total time spent in these areas and the average dwell time. A manuscript is under preparation and a final report should be published in the near future.

The COSMOCORD project was expanded to a variety of configurations to include: a) COSMOCORD active; b) COSMOCORD passive; c) COSMOCORD active with E-A-R earplugs; d) COSMOCORD passive with E-A-R earplugs; e) COSMOCORD active with V51-R earplugs; and f) COSMOCORD passive with V51-R earplugs. Besides these attenuation samples, an intelligibility assessment was made and a physical-ear attenuation measure was made.

The MICV project was expanded to include a variety of combinations of devices, namely: a) the DH-132 modified by FMC for use in the MICV, this same helmet with E-A-R earplugs; this device with V51-R earplugs; b) the Roanwell P/N 125460-640 headset; this device with E-A-R earplugs; this device with V51-R earplugs.

Data were collected on the noise levels transmitted to the ears of pilots wearing the SPH-4 fitted with the Sperry helmet mounted sight. Preliminary analysis indicates a potential hazard from the increased noise level introduced by this device.

Prototype Protective Mask (XM-29) - USAARL was recently tasked to provide the visual and optical guidance for this development program. Efforts have been initiated to field test a candidate combat frame which could possibly be used with the mask. Several user and fabrication surveys are being conducted on optical inserts. Preliminary contact has been made to obtain needed contract support to investigate and quantify the optical aberrations in the mask and the consequent perceptual distortion made by personnel wearing the mask.

Psychophysics of Visual Perception - A parametric study is underway on the effects of varying temporal duration of LED digit presentation on visual information processing. Two measures of visual processing are being examined: short-term memory and mental addition. Durations of digit display have varied from 50 ms to 500 ms and the short-term memory and addition demonstrate severe performance decrements with reduction of display time, particularly as sequence length increases.

Bioengineering Support of Development Test II (DT II) - Personnel Armor System Ground Troop (PASGT) Helmet: Candidate helmets have been received and have been identified, labeled, and weighed. The initial impact testing, incorporating both a fixed anvil with humanoid headform technique and a pendulum with break-away headform technique, is scheduled to be

completed in late October 1976. In addition to the data normally obtained from the above impact techniques, a computer program has been prepared which will provide the Severity Index (SI) and the Head Injury Criterion (HIC) data for the first time in the impact evaluation of military helmets. Another unique aspect of this evaluation is the inclusion of an electromyographic analysis of the relative muscular stress produced by the two proposed helmets as compared to the standard M-1 helmet. A third study will be to determine secondary injury effects on the head-neck system when the PASGT helmet is successful in defeating a projectile at critical velocity. Low velocity high mass fragment impacts of similar kinetic energy will be evaluated for effect as well. The proposed methodology for the entire evaluation of this helmet system was reviewed and approved by the National Research Council Committee on Helmets during their annual meeting held on 22 September 1976.

SPH-4 Helmet Maintenance Study - A study continues to determine the performance characteristics of the SPH-4 helmet after significant field use. Impact and sound attenuation, chin and nape strap strength tests continue on SPH-4 helmets randomly collected from the field. The repair of the humanoid head form used in the study changed its response to impact and required its recalibration. The computer program written to calculate SI and HIC values for impact damage simulation testing has been adapted to the impact testing performed in this study.

The In-Vivo Dynamic Material Properties of the CNS - The final report from Dr. Y. King Liu, Tulane University, on this contract support research has been received and is scheduled for publication. It is concluded that the in-vivo mechanical characteristics, e.g., shear and compression modulus of CNS tissue is markedly different than freshly killed or cadaver tissue. This indicates that all predictive head injury (concussion) modeling done with data derived from cadavers is probably not valid. Results of this and a previous pilot study have proven so valuable as to warrant continuation in order to address the following mechanical in-vivo, insitu situations: (1) How does a sudden increase in cerebrospinal fluid (CSF) pressure interact with the meninges and contents of the epidural space? and (2) How is the cerebral venous vasculature system compressed and what is its resultant mechanical damping effect when the CSF pressure rises secondary to impact?

Life Support Equipment Retrieval and Analysis Program - Ongoing and indefinite. Twelve SPH-4 helmets, three sets of flight clothing, one Mark 7 life raft, one signal light, 3 LPU-10 life vests, three pairs of aviator's glasses, and two jump seats were retrieved from five aircraft accidents during this quarter. In addition, LSE equipment pools submitted 10 used SPH-4 helmets that contribute valuable information to an understanding of the mean-time-to-failure of various components. Three SPH-4 helmets were retrieved because of potentially injurious conditions existing in the maintenance or failure to maintain the helmet.

Five sets of acoustic protective ear pads were submitted for government specification and acoustic protection compliance. The Air Force Safety Center requested that we conduct an injury correlation study on two seat cushions from seats aboard an AF helicopter crash in which two persons were seriously injured. Three Equipment Improvement Recommendations (EIR's) were submitted following analysis of retrieved equipment. EIR Control No. 133402 was submitted to point out potential medical hazards resulting from a helmet ear pad assembly (DSA 100-77-C-0632) currently being substituted for Gentex Part No. 69C2151-1 on the SPH-4 helmet. The dimensions of the substitute item are such that it cannot be properly fitted onto the helmet ear cup. This results in an improper seal around the aviator's ear which jeopardizes adequate hearing protection. The substitute ear pad is made of a stiffer material which also contributes to its ear sealing problems. A final reply from TROSCOM is due in mid October. EIR Control No. 133419 is being submitted to point out a potential medical hazard resulting from the design of the buckle on the LPU-10P Life Preserver. The current buckle has no locking mechanism and is subject to coming undone. The life preserver could be lost which could be fatal for non-swimmers, injured, or unconscious aviators. EIR Control No. 133420 is being submitted to point out potential medical hazards resulting from the current design of the mike boom on the SPH-4 helmet. During the crash sequence, the solder joint between the mike and the mike boom has a tendency to fail which exposes the two sharp metal prongs of the mike boom. Serious facial injuries can result. LSERP case no. 1050-62 was completed during this quarter. It involved a UH-1H pilot's seat received through the retrieval program which had been found through analysis to be non-standard in its dimensions. The differences in the dimensions of the non-standard and standard seat are such that the non-standard seat reduces the amount of stopping distance between the pilot and the airframe and has contributed to at least one known back fracture. As a result of our conclusion and recommendations, a TWX has been sent from CDR, USAAVSCOM to all operational units recommending that the seat be replaced as soon as possible. The computer program to calculate SI and HIC values for impact damage and injury correlation has been written and interfacing this program with the drop tower has begun. A system needs to be developed for providing USAAVSCOM with data gained through the analysis of equipment received through the retrieval program. Project is ongoing.

Army - Air Force Vibration Study - Initial techniques for examination of joint surfaces from experimental animals with the Scanning Electron Microscope are being developed. Coating of these specimens was done for the first time. Contact with other people using similar equipment was made to learn their methodology. A suitable fluorescence microscope for examination of tetracycline labeled bone was ordered. Six pairs of miniature swine have been ordered. A definitive study is planned using these animals and the techniques learned during the pilot study. The abstract of the paper detailing the clinical study of bone density in aviators was accepted for presentation at the CHABA, Symposium on Biodynamic Models and their Applications at the Bergamo Center, Dayton, Ohio, in February 1977.

The following laboratory and letter reports were published by USAARL during CY 1976:

USAARL	76-11	Some Specific Effects of Hypobaric Hypoxia on Cellular Metabolism. D.A. Baeyens, Jan 76.
USAARL	76-12	The Effect of Behavioral Paradigm on Auditory Discrimination Learning. C.K. Burdick. Feb 76.
USAARL	76-13	Volume I - Computer Modeling of the Body-Head-Helmet System. W.A. Jemian and N. Lin. Feb 76. Volume II - Computer Modeling of the Body-Head-Helmet System. Finite Element Coordinates and Computer Program Subroutines for a Body-Head Helmet System. W.A. Jemian and N. Lin. Feb 76.
USAARL	76-14	Visible and Near Infrared Spectral Transmission Characteristics of Windscreens in Army Aircraft. W.C. Chiou. Feb 76.
USAARL NAMRL	76-15 1233	Development of a Prototype Experimental Plan to Evaluate Stabilized Optical Viewing Devices: II. In-flight Measures of Airsickness Potential. W.C. Hixson, F.E. Guedry, Jr., J.W. Norman, D.D. Glick and R.W. Wiley. Mar 76.
USAARL	76-16	Preliminary Medical Assessment of the Acoustic Hazard of a Prototype Mechanized Infantry Combat Vehicle. J.H. Patterson. B.T. Mozo, and R.T. Camp, Jr. Mar 76.
USAARL	76-17	Marijuana and Human Performance: An Annotated Bibliography (1970 - 1975). M.L. Pagel and M.G. Sanders. Mar 76.
USAARL	76-18	Pilot Opinion of Flight Displays and Monitoring Gauges in the UH-1 Helicopter. R.R. Simmons, M.A. Hofmann, and M.A. Lees. Apr 76.
USAARL	76-19	Aeromedical Review of Oxygen Requirements of US Army Aviators. F.S. Pettyjohn and R.J. McNeil. Apr 76.
USAARL	76-20	Lens Material Evaluation (Goggles, Sun, Wind and Dust). I. Behar and R.W. Wiley, May 76.
USAARL	76-21	Reduction of Glare from the Landing Lights of the OH-58: An Evaluation of Four Potential Solutions. F.F. Holly, May 76.

USAARL 76-22 Head Injury Pathology and Its Clinical, Safety and Administrative Significance. S.C. Knapp and T.M. Erhardt. Apr 76.

USAARL 76-23 Attenuation of Light Transmission in Army Aircraft Transparencies Due to Slanting. W.C. Chiou, C.K. Park, and C.E. Moser. Jun 76.

USAARL 76-24 Dynamic Visual Acuity in Fatigued Pilots. I. Behar, K.A. Kimball, and D.A. Anderson. Jun 76.

USAARL 76-25 Depth Perception with the AN/PVS-5 Night Vision Goggle. R.W. Wiley, D.D. Glick, C.T. Bucha, and D.K. Park. Jul 76.

USAARL 76-26 Versatile Manova: Design and Documentation. Thomas R. Schori, University of Dayton, Research Institute, Dayton, OH. Aug 76.

USAARL 76-27 In-Flight Performance with Night Vision goggles During Reduced Illumination. M.A. Lees, D.D. Glick, K.A. Kimball, and A.C. Snow, Jr. Aug 76.

USAARL 77-1 Mass Spectroscopic Analysis of Polyether and Polyurethane Foam Plastics Degeneration in the SPH-4 Helmet. R.J. McNeil and F.S. Pettyjohn. Oct 76.

USAARL 77-2 Effects of Oxygen and Glutathione on the Oxygen Consumption and Succinate Dehydrogenase Activity of Liver. D.A. Baeyens and M.J. Meier. Oct 76.

USAARL 77-3 Aviator Performance During Day and Night Terrain Flight. M.A. Lees, K.A. Kimball, M.A. Hofmann, and L. Stone, Dec 76.

USAARL-LR-76-12-2-2 Comparison of Sound Pressure Levels Produced by Two Types of Engines in the OH-58 Helicopter. B.T. Mozo and R.T. Camp, Jr. Jan 76.

USAARL-LR-76-13-7-5 Visible Spectral Transmission Characteristics of Windscreens in Army Aircraft: Part II. W.C. Chiou. Jan 76.

USAARL-LR-76-14-7-6 A Comparison of the Reflectance Properties of an IR Acrylic Base Paint and textel Velvet Coating 101-C10. F.F. Holly, R.W. Wiley, and D.D. Glick. Jan 76.

USAARL-LR-76-15-2-3 Real-Ear Sound Attenuation Characteristics and Impact (Bump) Test Evaluation of the Proposed Final Modification of the Sierra P/N 791 AVC Helmet. W.R. Nelson, J.H. Patterson, P. Allemond, R.W. Bailey, and R.T. Camp, Jr. Feb 76.

USAARL-LR-76-16-7-7 Infrared Power and Transmission Characteristics of Windscreens in Army Aircraft: Part II. W.C. Chiou. Jan 76.

USAARL-LR-76-17-3-2 Analysis of SPH-4 Helmet Performance from 1972-1975. B. Slobodnik, J.H. Haley, and J.H. Patterson. Mar 76.

USAARL-LR-76-18-2-4 Noise Levels in the AH-1Q Equipped with a Low Glare (Flat Plate) Canopy. B.T. Mozo, and R.T. Camp, Jr. Apr 76.

USAARL-LR-76-19-2-5 Preliminary Medical Evaluation of the Acoustic Hazard from the Weaponeer Rifle Simulator. J.H. Patterson, B.T. Mozo, and R.T. Camp, Jr. Jun 76.

USAARL-LR-76-20-1-6 Aeromedical Evaluation UH-1 Internal Personnel Rescue Hoists, Breeze ECP-720 Modification. F.S. Pettyjohn, L.A. Akers, G.P. Rice, P. Allemond, S. M. Bailey, Jr., R. T. Burden, W.F. Carroll, and T. G. Harrison. Sep 76.

USAARL-LR-76-21-1-7 Aircrew Requirements for Day/Night and Surge Operations. W.P. Schane and M.G. Sanders. Sep 76.

USAARL-LR-77-1-7-1

Utilization of Existing Aircraft Landing Light
as an Artificial Illumination Source for AN/
PVS-5 Night Vision Goggles Training. W.C.
Chiou. Oct 76.

USAARL-LR-77-2-1-1

Biomedical Study of the Military Anti-Shock
Trousers in the Normovolemic and Hypovolemic
Dog. F.S. Pettyjohn and L. Akers. Nov 76.

UNITED STATES ARMY AGENCY FOR AVIATION SAFETY

ORGANIZATION

The United States Army Agency for Aviation Safety's charter and functions are documented in AR 10-29. USAAAVS is a field operating agency of The Inspector General and Auditor General, Headquarters, Department of the Army, Washington, D.C., and is physically located at Fort Rucker, Alabama.

USAAAVS is organized internally as follows:

Office of the Commander

Directorate for Plans, Operations, and Education

Directorate for Technical Research and Applications

Directorate for Aircraft Accident Analysis and Investigation

Directorate for Management Information System

The Administrative Management and Supply Division

The General Safety Division

The Legal Division

The Liaison Division

The Medical Division

The Publications and Graphics Division

The Commander of USAAAVS has been designated the U.S. 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. He serves as a member of the Department of the Army Aviation Flight Standardization Policy Board, established IAW AR 95-63.

MISSION

USAAAVS will, 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

Colonel Keith J. Rynott assumed command of USAAAVS on 1 August 1976, Colonel David F. Stoutamire was appointed Deputy Commander, USAAAVS, on 4 October 1976, and Colonel R. J. Powell was appointed Director, Aircraft Accident Analysis and Investigation Directorate on 4 January 1977. Additionally, Lieutenant Colonel B. B. Dooly was appointed the Director of

the Technical Research and Applications Directorate on 18 November 1976, Lieutenant Colonel Thomas J. Warr was appointed the Director of the Plans, Operations and Education Directorate on 2 August 1976, and Major J. A. McHardy was assigned as the new Legal Officer on 31 July 1976.

The Agency is organized in accordance with Table of Distribution and Allowances, number SFWOJ 7AA, dated 1 July 1976.

As of 1 February 1977, there were 176 military and civilian personnel assigned to USAAAVS including 41 officers, 11 warrant officers, 24 enlisted persons, and 96 permanent and four temporary civil service employees.

ACCOMPLISHMENTS

On 1 July 1976 USAAAVS assumed responsibility to conduct all formal Army MOS-producing Aviation Safety Officer (ASO), Flight Safety Technician, and Air Safety Specialist training. This responsibility was previously conducted under contract to the University of Southern California.

On 1 August 1976 the General Safety Field Function located at the Institute of Administration, Fort Benjamin Harrison was transferred from TRADOC to USAAAVS. This move realized the objective of unifying at one location, under one commander, all major DA level air and ground field safety functions, including safety training and accident analysis. The move is expected to significantly enhance the ability of the Army to cope with its accident prevention problems and is a significant step toward producing full Army compliance with the Occupational Safety and Health Act.

During CY 76 USAAAVS acquired and installed the C3 Corporation KDT (Key-to-Disc-to-Tape) transcribing machines which have significantly improved USAAAVS' data reduction throughout. The DA Form 2397, "Technical Report of U.S. Army Aircraft Accident," and DA Form 285, "Accident Report" source documents are transcribed at least 20 percent faster than with previous keypunch equipment. Powerful edits programmed into the KDTs insure a far more accurate output product. In addition, the Agency implemented random update procedures for teleprocessing inverted indices for both ground and aviation files which reduced computer processing file maintenance times for both systems by approximately 40 percent.

USAAAVS developed AUTODIN software programs to extend the capability to communicate expediently worldwide. As a result, the Agency started sending USAREUR Aviation Safety Management Information System (ASMIS) reports and now can satisfy the data requests from that headquarters with increased responsiveness. USAAAVS also acquired and implemented the Statistical Package for the Social Sciences (SPSS) as a USAAAVS'

computer processing tool which extended the Data Processing Division's ability to support the USAAAVS' functional directorates in their research efforts by providing additional highly sophisticated Scientific/Statistical Computer Routines.

During CY 76 USAAAVS processed and coded 19,120 Accident Reports (DA Form 285), 2,423 Preliminary Reports of Aircraft Mishap (PRAM), plus 537 DA 2397 reports (Technical Report of U.S. Army Aircraft Accident Report), and 144 teardown analysis reports. Additionally, 2,757 Accident Exposure Documents (DA 2398) were received and processed. USAAAVS also received, processed, and coded for the Aviation Master Index File, 33,655 aviator flight records, and completed microfilming of 30,952 aviator flight records.

USAAAVS personnel participated in 15 aircraft accident investigations during CY 76.

Mishap Analysis Task Group (MATG) was established in December 1975 to analyze Army aircraft accidents which had occurred during first half FY 76. It was established as a group effort in order to expedite analysis of the accidents which had taken place during that period and also to gain the advantage of multiple opinion. It was continued through FY 7T and first quarter FY 77 and by December 1976, the MATG had produced an individual synopsis of each accident, a matrix which displayed the essential elements of each accident, an analysis and synthesis of the causes of the accidents, and an abstract summarizing the findings and recommendations of the MATG.

During CY 76 USAAAVS conducted a cost-benefit analysis of several available mid-air collision avoidance systems based on available aircraft accident records. The study was requested by the Army Aviation Officer, DCSOPS, for use in a procurement decision on the Aircraft Anti-Collision Beacon System High Intensity Light (AABSHIL). The study showed that AABSHIL was the most effective available system in reducing the current Army mid-air threat and would pay for itself in reduced accident losses within six to seven years of use. The results of the study are being published as a USAAAVS Technical Report.

USAAAVS participated in an analysis of the life cycle accident costs of the Advanced Scout Helicopter (ASH) which was performed by a team convened at Fort Rucker and also consisted of representatives from USAARL, AVSCOM, HEL, and ASH PM. The study was requested by the ASH Project Manager and compared the life cycle costs of several different candidate aircraft for the ASH mission. The study demonstrated the benefits of increased crashworthiness and twin-engine design as well as a number of other ASH design features in reducing accidental economic losses to the Army.

USAAAVS' involvement continued in the development of the UTTAS and AAH aircraft. USAAAVS participated in the development process as the Department of the Army staff agency for the System Safety programs for each of these aircraft. The objective of these programs is to insure that the optimum degree of freedom from hazard is designed into the aircraft from the start. The overall effort culminated in the award of a production contract for the UTTAS and an advanced development contract for the AAH.

USAAAVS participated in an analysis of the life cycle accident costs for the UTTAS aircraft that was performed by a team under the direction of the agency. Other agencies involved were USAARL, AVSCOM, TRADOC, TRASANA, and the UTTAS PM. The study was requested by TRADOC's Special Study Group for UTTAS and the report of the results was included in the UTTAS Cost and Operational Effectiveness Analysis.

Studies at USAAAVS of the need for on-board recording of flight parameters for use during an accident investigation led to the awarding of a contract to study the feasibility of an Accident Information Retrieval System (AIRS). The contract was awarded by the Army Air Mobility R&D Lab to Hamilton-Standard Division of United Technologies. Use of latest advances in subminiaturized electronic data storage is being investigated to provide the Army the optimum system in terms of parameters stored and system weight, space, and cost.

During CY 76 Aviation Safety Assistance Visit and Evaluation (ASAVE) teams visited 32 installations/units with aviation assets. These visits were made worldwide and included active Army and reserve components.

Under the provisions of AR 34-1, USAAAVS provided the principal Department of the Army representatives at the 14th Meeting of the Military Agency for Standardization (Air Board), Flight Safety Working Party (NATO) held in Oslo, Norway, 21-25 June 1976.

During the latter part of CY 76 DAIG transferred revision responsibility for AR 385-40, "Accident Reporting and Records," AR 385-10, "Army Safety Program," and DA Pam 385-1, "Unit Safety Management" to USAAAVS. The Director of Army Safety maintained staff responsibility for these publications.

The following training films were developed and produced in CY 76 by USAAAVS:

TF 46-4992--"The Crash Plan--Depicts the proper method of preparing and using a pre-accident plan.

TF 46-4920--"Down to Earth - NOE"--stresses the absolute must for observing safety precautions when engaged in flight near the ground.

TF 46-4947--"Helicopter Icing"--Through the use of both live footage and animation, depicts causes and effects of icing during flight.

TF 46-6014--"The USAAAVS Assistance Visit"--Follows a typical assistance team through the planning and conducting of an assistance visit.

MF 46-5931--"Master of the Sky"--Through the use of animation, follows the development of flight. Ends with depiction of how man is the weak link in most aircraft accidents.

Significant Publications Published by USAAAVS During CY 76:

FLIGHTFAX (49 weekly issues)

PREVENTER (2 quarterly issues)

SYSTEM SAFETY NEWSLETTER (2 quarterly issues)

U.S. ARMY AVIATION DIGEST (18 pages of accident prevention material in each of 12 issues)

AEROMED NEWSLETTER (1 issue)

Guide to Aviation Resources Management for Aircraft Mishap Prevention

Commanders Aviation Accident Prevention Plan

CH-54 Mishap Experience Report

AH-1 Helicopter Escape System - a view from the seat

Autorotations - a survey of Army Aviation Opinion

WORLDWIDE SAFETY CAMPAIGNS

Posters, auto bumper stickers, and decals were distributed Army-wide in support of the Federal Safety 76 Program. Material designed around the theme "Make Aviation Safety the Spirit of 76" was distributed during January-June 1976.

UNITED STATES ARMY AIRCRAFT DEVELOPMENT TEST ACTIVITY

ORGANIZATION

The US Army Aircraft Development Test Activity (USAADTA), began CY 1976 as the US Army Aviation Test Board (USAAVNTBD). Department of the Army approved, on 22 January 1976, the Joint Conceptual Plan for Realignment of Aviation Test Resources and Responsibilities which assigned the Aviation Test Board to the Training and Doctrine Command. Concurrently, the US Army Aircraft Development Test Activity was established under the Commanding General, US Army Test and Evaluation Command (TECOM), to accomplish development and development-type testing of aircraft, aircraft components, and aircraft related support equipment. Message, DRCPA-0, HQ, US Army Materiel Development and Readiness Command (DARCOM), 031646Z March 1976, subject: Aviation Test Board, established the US Army aircraft Development Test Activity (Provisional), effective 17 February 1976 through 30 June 1976. General Orders 113, HQ DARCOM, 28 June 1976, established the US Army Aircraft Development Test Activity as a field operating activity of TECOM, effective 1 July 1976.

MISSION

TECOM Regulation 10-21 defines the Activity's mission as:

Plan, conduct, evaluate, and report on the Government test elements (EDT-G, ADVT-G, PQT-G, PVT-G); and to monitor, evaluate, and report on the contractor test elements (EDT-C, ADVT-C, PQT-C, PVT-C) of the single integrated development test cycle concept of aircraft, aircraft components (time-between-overhaul, time-between-inspection), and aircraft related support equipment.

Provide test service and support, including advice and guidance on test and evaluation matters to materiel developers, materiel producers, and other services and private industry as directed. Review and provide comments on contractor test plans and reports, and monitor contractor testing.

Conduct other tests and evaluations as directed by the Commanding General, TECOM.

PERSONNEL

Year end authorized personnel strengths were 221 military and civilian personnel. Key personnel assigned during the year were:

President/Commander:	COL Robert S. Kellar, Inf	Jan-Jun
	COL Edmund K. Ball, TC	Jul-Aug
	COL George D. Shields, CE	Sep
	COL Donald F. Hemphill, SC	Sep-Dec

Deputy President/Commander	COL Edmund K. Ball, TC	Jan-Jun
	LTC William F. Lang, Jr.,	Oct-Dec
Technical Director	Dr. James S. Kishi	Jan-Dec
Executive Officer	LTC Ray H. Kreulen	Jan-Dec
Chief, Management Office/ Management Division	Mr. Robert L. Hall	Jan-Dec
Chief, Plans Office/Plans and Methodology Division	LTC William A. Stanaland	Jan-Feb
	LTC William B. Benton	Mar-Dec
Chief, Materiel Test Division	COL George D. Shields	Jan-Aug
	LTC William F. Lang, Jr.	Sep
	LTC Delano R. Brister	Oct-Dec
Chief, Logistics and Test Support Division/Test Support Division	LTC Hanno F. Welsch, Jr.	Jan-May
	LTC Gregory J. Schrand	May-Dec
Commanding Officer, Headquarters and Headquarters Company/Head- quarters Detachment	CPT Randall L. Fields	Jan-Feb
	2LT Edwin E. Spain, III	Feb-Dec

PLANS AND METHODOLOGY DIVISION

PLANS AND PROGRAMS BRANCH

During CY 1976 the Activity averaged seventy-one projects in the planning, testing, and reporting phases. Forty-three new projects were initiated. Fifty-nine projects were retired to the historical file, of which ten were terminated, seven were cancelled, and forty-two were completed. Testing was accomplished at Yuma Proving Ground, Arizona; Fort Huachuca, Arizona; China Lake, California; Edwards AFB, California; White Sands Missile Range, New Mexico; Eglin AFB, Florida; Bell Helicopter Plant, Hurst, Texas; Fort Campbell, Kentucky; Fort Rucker, Alabama; and Alaska. 19,476 flight hours were flown in the accomplishment of our test programs. Of these, 18,808 were flight test hours, and 668 were support flight hours. Testing included the following:

Major Aircraft Systems

The competitive evaluation between the Sikorsky YUH-60A and Boeing-Vertol YUH-61A Utility Tactical Transport Aircraft System (UTTAS) prototypes was conducted during the period from March to June at Fort Rucker. Associated subtests included physical characteristics of the helicopters, safety, human factors, air transportability, maintainability, and RAMLOG data collection. Selection of the Sikorsky YUH-60A as the Army's UTTAS was made 23 December 1976.

The Advanced Attack Helicopter RAMLOG data collection effort was conducted at Edwards AFB, California (USAAEF) with USAADTA personnel during March through September in conjunction with the flight characteristics and airworthiness qualification for the competitive evaluation of the Bell YAH-63 and Hughes YAH-64 attack helicopters. The Hughes YAH-64 was selected as the Army's Advanced Attack Helicopter in December 1976.

Aircraft Engines

Product improvement testing on the 250-C-20B, T-53-L-11B and the T-55-L-11A/ASA/D engines was conducted during the year.

Avionics Systems

Concept evaluation of the Collins Adaptive Communication Device (to improve communications during terrain flying operations) was conducted during August-September. The equipment performed well and the program was successfully completed.

Concept evaluation of the Magnavox CA-657, VHF-AM, aircraft radio voice communication set was conducted during July-October period. The item possesses essentially the same performance characteristics as the standard AN/ARC-115, and is directly interchangeable with the ARC-115. The CA-657 possesses some additional features causing it to be a more desirable set; examples are provisions for SECURE voice, preset channels, and greater number of total channels. The equipment performed well and the program was successfully completed.

Aircraft Survivability Equipment Programs consisted of the following:

- DT III testing of AN/ALQ-147 Infra-Red Jammer for the OV-1D aircraft.
- DT II test of engine suppressors for the CH-47.
- DT II test of engine suppressors for the U-21.
- DT I test of AN/ALQ-159 for UH-1H and OV-1 aircraft (exploitation).
- DT II test of XM-130 general dispenser for CH-47 and UH-1 aircraft.

Automatic Inspection Diagnostic and Prognostic System (AIDAPS).

First phase of DT I which involved engine and dynamic component degraded part implants was completed in November 1976.

ADVANCED METHODOLOGY AND INSTRUMENTATION BRANCH

Instrumentation planning efforts during CY 76 consisted of preparation and submission of the FY 77 through FY 83 Instrumentation Program documents. These plans include a major expansion of the instrumentation capabilities of this Activity. Instrumentation plans were formulated to support several tasks in the area of vibration measurements. A procedure was developed to provide a comparison measurement of static electricity build-up on standard and test rotor blades. Other routine tasks included identification of hardware items to be purchased with FY 77 instrumentation funds.

During the 4th Quarter, CY 75, the methodology program for the Activity was reinitiated when TECOM provided funds for the revision of Test Operations Procedures (TOPS). This funding was to cover TOPS revision for the 4th Quarter, CY 75, and the first three quarters of CY 76. Additional funds were provided to cover the 4th Quarter, FY 76. To date, five TOPS relating to Maintainability, Reliability, Safety, Human Factors, and Functional Suitability, have been rewritten and forwarded to TECOM for approval. TECOM also funded two methodology investigations during the 4th Quarter, CY 76. These investigations related to the study of methods to validate flight test profiles and the evaluation of costs of laboratory or chamber environment testing versus actual environment testing. These studies are to be completed during CY 77.

MATERIEL TEST DIVISION

The Materiel Test Division (MTD) completed 47 projects during 1976. Thirty-two test reports and 24 test plans were published. Some of the significant tests and areas of emphasis during the year were:

- Prototype Qualification Test of the Utility Tactical Transport Aircraft System
- Ram data collection for the AAH
- Initial Production Test of the Iranian 214A Helicopter
- RAMLOG evaluation on the Iranian 214A Helicopter
- CH-47C Flight Weight Suppressors
- 250-C-20B Engine in the OH-58 Helicopter
- 250-C-20B Noise Level Determination in the OH-58A Helicopter
- Improved Main Rotor Blade for the AH-1() Helicopter
- Product Improved T55-L-11D Engine for the CH-47C Helicopter
- Product Improved UH-1 ()/AH-1 () Helicopter Main Driveshaft
- Development Test and Operational Test of the LORAN Airborne Navigation System, AN/ARN-114

Operational Test of the Lightweight Doppler Navigation System,
AN/ASN-128
Development Test of the Countermeasures Set, AN/ALQ-147, in the
OV-1D Airplane

The Reliability and Analysis Branch was reorganized and became operational in November 1976 with the arrival of two aerospace engineers. Two more engineers are expected in early 1977. They are serving in the capacity of Operations Research Analysts. The branch has the responsibility for RAM analysis for all tests.

TEST SUPPORT DIVISION

FLIGHT OPERATIONS BRANCH

The Flight Operations Branch scheduled and dispatched in excess of 1,026 fixed wing and 7,964 rotary wing aircraft flights during the calendar year of 1976. The USAADTA and USAAVNBD aviators logged in excess of 17,181 flight hours. Aviators assigned to Flight Operations Branch accounted for 3,279 flight hours. During this calendar year 194 standardization rides and 86 instrument renewals were accomplished. In addition, 55 aircraft transitions were completed.

During CY 76 Flt Ops Br scheduling/planning and dispatch areas underwent a complete renovation of facilities. Wall lockers were installed providing each aviator a storage facility for flight essential equipment. In August, MAJ Kimzey took over as Chief, Flt Ops Br.

A team from USAAVNC, Directorate of Standardization, conducted an evaluation and the Activity received a satisfactory rating. The reorganization and redesignation of the US Army Aviation Test Board to the US Army Aircraft Development Test Activity changed the grade structure and organization of the Flt Ops Br. The Chief was downgraded from 04 to 03, Asst Op Officer was downgraded from 03 to WO, and the Training Officer was eliminated. Total strength was reduced from 21 to 19. The Flight Records Section maintained the records of the USAAVNBD personnel.

MAINTENANCE SUPPORT BRANCH

The Maintenance Support Branch experienced major changes beginning with the new fiscal year. Directed joint studies by TRADOC and TECOM personnel indicated an appreciable savings to the Government could be accomplished by combining all aircraft maintenance performed at Fort Rucker under one contractor. Accordingly, a contract was let 1 Oct 76 to the incumbent Center contractor, Northrop Worldwide Aircraft Services, Inc. This changed the Aircraft Development Test Activity (ADTA), contract to the Center positive performance incentive fee with target cost goals.

The change in the contract also resulted in major changes in the ADTA TDA positions. The Branch Chief position was downgraded from 04 to 03, and also gained the CH-47 crewchief slots previously assigned to the Maintenance Evaluation Branch, but changed under the OT/DT concept. The changes also resulted in the Center absorbing the Oil Analysis Laboratory as the majority of the work performed by the lab was for Center aircraft.

The Branch Quality Control and Production Control functions continue to monitor contractor maintenance performance and submit monthly reports to the Center Contracting Officer.

LOGISTICS MANAGEMENT BRANCH

Logistics Management Branch continued to provide logistical support to this activity as the basic mission function. All test projects were supported to include facilities, manpower, support equipment, spare parts, etc. The most significant project was the UTTAS.

The reorganization drastically affected the organization and function of this Branch. The Accountable Property Officer and the Stock Record Account were eliminated with the functions being assumed by the US Army Aviation Center. Responsibility for Category "H" supply parts was incorporated into the aviation maintenance contract and all other categories of supply were made the responsibility of the Center's Consolidated Supply. RIF action was necessary to reduce from the old TDA of 48 personnel (32 civilian and 16 military) to the present authorization of 22 personnel (10 civilian and 12 military). Although the reorganization for ADTA was officially accomplished on 1 Jul 76, the Logistics Management Branch was in an overhire status until Nov 76 to accommodate the Hawthorne Aviation Maintenance contract and to close the stock record account. On 26 November 1976 the Stock Record Account was closed and all personnel assigned to the Accountable Property Section and the Storage and Distribution Section were transferred to other jobs. Supply support for the present maintenance contract is provided by the contractor and supply support for the USAADTA is provided by the USAAVNC.

PHOTOGRAPHY AND OPTICS BRANCH

This Branch provided dedicated audio visual and duplication services in support of the organization testing mission. Audio visual, and photo instrumentation requirements increased during FY 1976. Effective 1 July 1976 three civilian positions of the Photo and Optics Branch were transferred to the US Army Aviation Board. The Branch now provides services to the Aviation Board as well as to the ADTA.

HEADQUARTERS DETACHMENT

PERSONNEL

CPT Randall L. Fields, Commander for Hq Det from 1 Jan 76 - 3 Feb 76.

2LT Edwin E. Spain III, Commander for Hq Det from 4 Feb 76 - 31 Dec 76.

1SG Ralph E. Gourley, 1SG from 1 Jan 76 - 26 Aug 76.

1SG Glen C. Barnes, 1SG from 27 Aug 76 - 31 Dec 76.

ACCOMPLISHMENTS

Hq Det dining facility, supply room, and enlisted billets (Bldg 501AB) were removed from the control of the Detachment and transferred to the control of the Commander, USAAVNC and Fort Rucker.

Hq Det enlisted soldiers are temporarily billeted with 11th Co, 1st Bn, Aviation Troop Bde, USAAVNC. Hq Det support activities are operating from temporary facilities until permanent facilities are found.

The USAADTA Reenlistment Program was awarded the TECOM Commander's Reenlistment Trophy for achieving the highest reenlistment percentages of all TECOM activities in 1st Termer, 1st Termer Quality, and careerist reenlistments for the period Oct 75 to Sep 76.



The YUH-60A UTTAS prototype, manufactured by Sikorsky Aircraft, prepares to lift off after completion of prototype qualification tests at Ft Rucker. (Photo by Eric Lockhart).



The two Boeing-Vertol YUH-61A UTTAS prototypes undergoing a pre-flight inspection prior to their flight to Ft Campbell. (Photo by Eric Lockhart).

UNITED STATES ARMY AVIATION BOARD

ORGANIZATION

The US Army aviation Board was provisionally organized by DA following approximately two years of study by a Joint TRADOC/DARCOM Special Study Group which recommended that a separated agency for TRADOC operational testing and another for DARCOM developmental testing be co-located at the US Army Aviation Center, Fort Rucker, AL. The former TECOM US Army Aviation Test Board was redesignated as the US Army Aircraft Development Test Activity. On 1 July 1976, the US Army Aviation Test Board (Prov) was officially activated by TRADOC GO 172 and redesignated as the US Army Aviation Board with authorization for 88 military and civilian spaces, TDA TC W38SAA. Personnel authorizations were provided for a reorganization of USATECOM assets. Since co-location of test activities was unique organizational concept for Army operational and developmental testing, DA directed a one year study commencing 1 October 1976 be conducted to determine the cost effectiveness of this arrangement. The Aviation Board is organized into the following divisions:

Administration and Management Division
Test Concept and Methodology Division
Test Instrumentation and Support Division
Aircraft Test Division
Armament Test Division
Electronics Test Division
Ground Support Division

MISSION

The mission of the US Army Aviation Board is:

Plan, conduct, and report on operational test I, operational test II, operational test III, and other user type tests of aviation systems and ancillary equipment.

Participate in development test I, 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 Headquarters, TRADOC.

PERSONNEL

Authorized personnel strength was 88 military and civilian personnel during the year. An increase of 24 additional spaces are pending at TRADOC.

Key personnel assigned during the year were:

President, COL Robert A. Bonifacio, IN	Feb-Dec
Technical Director, Mr. George Slagley	Dec-Dec
MSG Harrison H. Wood	Apr-Nov
SGM Jack W. Lisenby	Nov-Dec
Ch, Admin/MGT Div, Mrs. Madge E. Frigo	Jul-Dec
Ch, Test C/M Div, LTC Gary W. Munroe Sr, TC	Mar-Dec
Actg Ch, I/S Div, Mr. James H. Leddon	Aug-Dec
Ch, Aircraft Test Div, LTC Charley B. Davis, TC	Apr-Dec
Ch, Armament Test Div, MAJ Jesse W. Glance, IN	Nov-Dec
Actg Ch, Armament Test Div, CPT Daniel R. Lott	May-Nov
Ch, Electronic Test Div, LTC Louis H. Jacquay, SC	Mar-Dec
Ch, Ground Spt Test Div, MAJ David M. Mabardy, IN	Feb-Dec

ACCOMPLISHMENTS

During CY 1976 the Aviation Board planned, organized, developed, equipped, renovated and occupied the present facilities (Bldg 501, Cairns AAF), and at the same time filling and manning a new organization. Also, the Board participated in the planning, testing, and reporting phases on 19 programed tests. The Aviation Board completed the following three tests:

Concept Evaluation Program

TRADOC Project NO: 4-ES-005-B12-601

Helicopter Mast-Mount Sight

Start: 16 Aug 76; End: 28 Aug 76

This activity was tasked to validate the US Army Frankford Arsenal data collection efforts in testing a Mast-Mounted Sight. The test was to determine if the helicopter with Mast-Mounted Sight could effectively perform observation and acquisition tasks without unmasking from the terrain. The helicopter was operated at nap-of-the-earth altitudes during the conduct of selected observation/acquisition/firing missions. Validation was completed on 28 August 1976 at Aberdeen, Maryland.

Conclusions of Aviation Board personnel were that the Mast-Mounted Sight has military potential. The evaluation objectives were met, and the concept was considered to enhance survivability in a midintensity environment.

Flight Simulator Operational Test

TRADOC Project No. 4-ES-390-B12-601 (4-37-7-000005-04)

2B-12B Operational Test Rotary Wing Instrument Trainer (other)

Start: 16 Aug 76; End: 24 Sep 76

The purpose of this test was to evaluate the modified 2B-12A fixed wing flight simulator to determine effectiveness and suitability of the simulator as a rotary wing instrument trainer for Army Reserve components. Effort assessed safety, training, and logistical benefits that should result from fielding the device.

Analysis of test data indicated that the test item is effective as a rotary wing instrument procedural trainer. Minor shortcomings in the areas of safety were documented. The operator training received on the 2B-12A fixed wing instrument procedures trainer was sufficient to operate the 2B-12B. The electrical technicians trained to maintain the 2B-12A will require additional training to provide adequate maintenance support of the 2B-12B.

This test was conducted for the US Army Training Devices Center, Orlando, Florida. A letter report was submitted on 4 November 1976.

Hand Held Optics for OH-58, FDTE

TRADOC Project No: 4-AI-13E-HHO-601

Operational Feasibility Test (Combined FDTE), Hand Held Stabilized Optics for the OH-58C

Start: 8 Oct 76; End: 22 Oct 76

The purpose of this test was to assist in determining if active or passive stabilization technology best fulfills the user requirement for optics devices for the OH-58C. Three different viewing devices, which represented two distinct technologies were tested. Human factors characteristics of the devices were considered. Data collected during testing indicated that each device tested warranted further consideration. A letter report was submitted 15 December 1976.

TRAINING HIGHLIGHTS:

The Aviation Board hosted the Army Logistics Center (ALMC), Test and Evaluation Management Course (TEMC) at Ft Rucker on 22 June 1976 through 1 July 1976. A total of forty-three (43) officers, enlisted men, and department of the Army Civilians completed the training and received certificates from ALMC. An estimated \$18,288.00 was saved by hosting 11 instructors at our facilities rather than funding the attendance of 37 Fort Rucker personnel and 6 personnel from other installations at Fort Lee, VA.

Two Aviation Board personnel successfully completed a tailored TEMC hosted by the Armor-Engineer Board at Ft Knox, KY, in September 1976.

Three Aviation Board personnel successfully completed TEMC 77-1 held at Ft Lee, VA on 9 December 1976.

Three Aviation Board personnel successfully completed the TRADOC RAM Course 77-1 held at Fort Lee, VA on 5 November 1976.

The Aviation Board was visited by representatives of members of the following activities/agencies:

Office of the Deputy Chief of Staff for Research, Development and Acquisition, HQDA.
Aviation Materiel Testing Directorate, US Army Test and Evaluation Command.
Office of the Deputy Chief of Staff for operations and Plans, HQDA.
Aviation Systems Directorate, US Army Materiel Development and Readiness Command.
HQ, US Army Missile Command.
Project Manager's Office, Navigation Control.
HQ, US Army Test and Evaluation Command.
HQ, US Army Training and Doctrine Command.
Aviation Systems Directorate, Operational Test and Evaluation Agency.
Inspector General's Office, HQDA.
Inspector General's Office, HQ TRADOC.
Project Manager's Office, COBRA.
ACE Board, Ft Bragg, NC.
British Army Staff, Washington, DC.
British Joint Warfare Establishment.
TRADOC Data Processing Field Office, Ft Leavenworth, KS.
Sikorsky Aircraft Div, United Technologies Corp.
Singer Co.
Hughes Aircraft Corp.
Boeing/Vertol Company.
Bell Helicopter Div, Textron Industries.
Frankford Arsenal, PA.

GENERAL COMMENTS

The evaluation of the Aircraft Development Test Activity and the Aviation Board began 1 October.

The Aviation Board implemented the TRADOC Test Resource Cost Accounting System (TRCAS). Progress during the initial stages has been hindered by inexperienced personnel in data collection and preparation techniques,

lack of permanent computer terminal operators, extended computer maintenance downtime, and the slow process of origination of files, accounting codes, and administrative management.

Several tests scheduled to begin during calendar year 76 were delayed due to failure of the development community to meet milestones or provide the necessary support packages in a timely manner.

A message from HQ TRADOC, dated 30 December 1976, subject: US Army Aviation Board (USAAVNBD), was received. This message clarified the status of the Aviation Board and of command/support relationships which should exist between the USAAVNC and the USAAVNBD. The Aviation Board is designated as a separate TRADOC activity further reassigned to the Commander, USAAVNC.

UNITED STATES ARMY AVIATION BOARD

ORGANIZATIONAL DIRECTORY
PREPARED BY:
ADMIN/ACT DIVISION

PRESIDENT
ATZQ-OT

COLONEL ROBERT A. BONIFACIO 2179/1
ACFT MAINT SGT/EVAL 5402/23
AEROSPACE ENGR 6017
SECY STENO MRS. CASKEY 2179/3

FORT RUCKER, ALABAMA 36362
BUILDING 501 CAIRNS AFB
TEL.: AREA CODE 205
COMMERCIAL: 255-XXXX
AUTOVON: 558-XXXX
TELECOPIER:

ADMINISTRATION AND MANAGEMENT
DIVISION ATZQ-OT-AM

MRS FRIGO 5815/21
SFC FLINNER 5815/8
SP4 GILES 5685/27
SP4 CHESTANG 5685/27
PV2 WILLS 5685/8
MR DEAN 3798/6
MR GLOWACKI 3794/9
MRS STEWSON 3794/6
MRS HALL 3479/6
MS BARGER 3479/0
CLERK STENO MRS WHITLEY 3479/6

TEST CONCEPT AND METHODOLOGY
DIVISION ATZQ-OT-CN

LTC MANROE 6578/4
MAJ LANSOON 6578/25
CPT JONES 2875/7
CPT FOLBRE 6578/25
DR DEES 2875/26
MR LOCKLAR 2875/24
MR ANDERSON 2875/24
MR DOMASCHI 2875/24
MRS YOUNG 6578/5

TEST INSTRUMENTATION & SUPPORT
DIVISION ATZQ-OT-IS

J LEDDON 3803/5
W LAMKIN 3803
J T NELSON 5903
W F JACOBS 5903
L D RICHMAN 5903
M ELLIS 3803/6
K HICKS 3803

ELECTRONICS TEST
DIVISION ATZQ-OT-EL

LTC JACQUAY 5683/6
CPT WISE 5882
CPT MURPHY 5882/19
CPT OFF 5884/8
CPT MERKEL 5884
CM3 NIETZOLD 5884
AV EQ MAINT SGT/EVAL 5884/0
SFC GIBBLEY 5884
SSG BOFFMAN 5884
SP4 FLENING
SP5 ROGERS
AV EQ RPNM/EVAL
AV EQ RPNM/EVAL
EQUIP SP (LLCT)
CLERK STENO B GAMBARINI 5683/7

ARMAMENT TEST
DIVISION ATZQ-OT-AR

MAJ GLANCE 6082
CPT LOTT 6082
CPT DEWART 6082
CPO YARLETT 3682
SFC WHITTIER 3682
SP5 LOPEZ 3682
PV2 ALLDRIDGE 3682
AV EQ MAINT SGT/EVAL 3682
SFC NIETZOLD 3682
SFC GIBBLEY 3682
C FIDGE 6082

AIRCRAFT TEST
DIVISION ATZQ-OT-AC

LTC DAVIS 6081/25
MAJ SMITH 2375/20
CPT GORDON 2882/20
CPT HANNAN 2882/20
CPT HANNAN 2882/20
SFC STIMPSON 2882
SFC BLANTENO 2882/29
SP6 SMITH 2882/29
SSG TANNER 2882/29
SP6 JONES 2882/29
SP4 MAJOR 2882/29
B DURALL
MRS LANSOON 6081/24

GROUND SUPPORT
DIVISION ATZQ-OT-GS

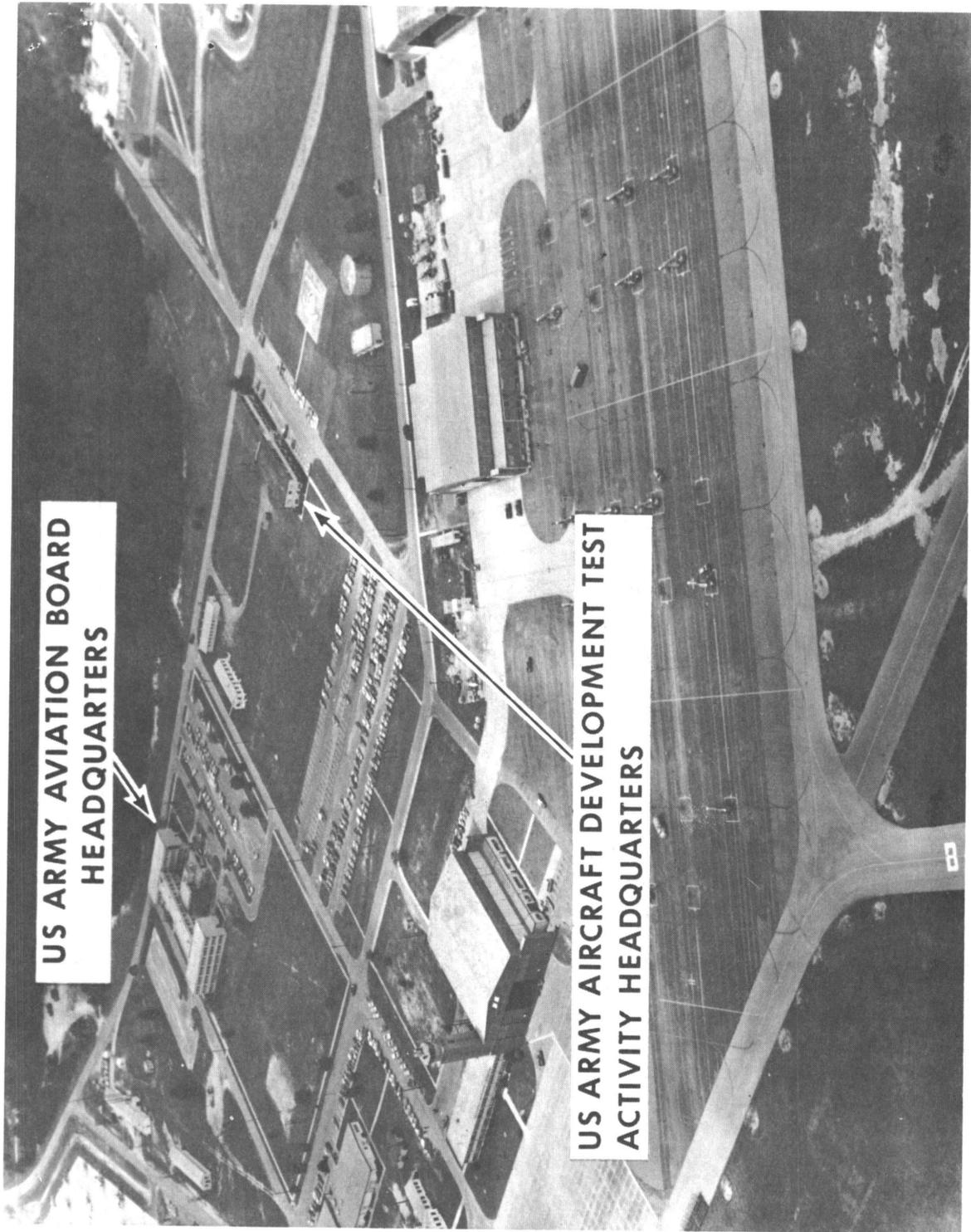
MAJ MALBARDY 6083/22
CPT MCGAUGH 3690/22
CM3 SEIFERS 3690
SFC WILSON 3690/23
SFC BURNS 3690
H RILEY 3690
C TAYLOR 6083/21

ARMOURED TEST
DIVISION ATZQ-OT-AT

TEST PROJECT OFF
ACFT MAINT EVAL
TEST PROJ OFF
ACFT MAINT SGT/EVAL
ACFT REP TECH/EVAL
CHIEF HEL. TECH INSP
FM TECH INSP
RM TECH INSP
RM TECH INSP
RM TECH INSP
RM TECH INSP
EQUIP SP (ACFT)
CLERK STENO

AVIATIONICS MAINT
DIVISION ATZQ-OT-AV

AVIONICS MAINT OFF
TEST PROJ OFF
TEST PROJ OFF
TEST PROJ OFF
TEST PROJ OFF
AVIONIC PROJ OFF
AV EQ MAINT SGT/EVAL
SFC GIBBLEY 5884/0
SFC BOFFMAN 5884
SFC NIETZOLD 5884
AV EQ MAINT SGT/EVAL
SFC GIBBLEY 5884/0
SFC BOFFMAN 5884
SP4 FLENING
SP5 ROGERS
AV EQ RPNM/EVAL
AV EQ RPNM/EVAL
EQUIP SP (LLCT)
CLERK STENO B GAMBARINI 5683/7



AVIATION CENTER TROOP BRIGADE, USA

ORGANIZATION

The Aviation Troop Brigade consists of the following units:

First Battalion
Fourth Battalion
Sixth Battalion
Forty-Sixth Engineer Battalion (Combat) (Heavy) - Attached

MISSION

Exercise command over all assigned battalions. Provide administrative and logistical support to all assigned units and departments of the USAAVNC Troop Brigade. Direct training, intelligence, and security activities within the USAAVNC Troop Brigade.

PERSONNEL

Brigade Commander for CY 76 was:

Colonel Anthony J. Adessa 1 Jan 76 - Present

Command Sergeants Major for CY 76 were:

CSM Robert S. Payne 1 Jan 76 - 31 Mar 76
CSM James W. Harris 1 Apr 76 - Present

ACCOMPLISHMENTS

On 1 Feb 76 the installation implemented TRADOC School Model '76. Under this reorganization the Brigade acquired responsibility for the following:

Management of the Fort Rucker Community Activities Program. This function includes but is not limited to the preparation of recommendations to the Commanding General, initiation of and followup on all requests from the civilian and military community seeking support or participation from Fort Rucker. Over 150 events were supported during CY 76. Many of these events were held in honor of the Nation's Bicentennial Celebration.

Preparation and submission of the 1975 Fort Rucker Annual Historical Supplement. This responsibility was transferred to the Fort Rucker Office of Education Advisor, Training Librarian, in November 1976.

Management of enlisted aviation assignments at Fort Rucker and all aviation designations and awards. This function was transferred to the Adjutant General Division in July 1976.

Maintain and supervise the operation of the USAAVNC Emergency Operations Center, Plans and NBC Office.

Plans and NBC Office prepared and executed a number of contingency, emergency and mobilization plans. During this year, Plans & NBC Office participated in three NORAD exercises; disseminated 14 Severe Weather Warnings via telephone; disseminated one Severe Weather Warning over the Emergency TV Notification System that involved preempting Daleville cablevision and CCETV channels four times in one day; conducted weekly radio communication checks, weekly "Growl" and monthly "full-scale" tests of the Air Defense Warning Sirens; and accomplished the following:

During the period 27-28 Jan 76, the USAAVNC conducted an EDRE of the 108th QM Company.

Updated fact sheet for Fort Rucker Emergency TV Notification System published during January 1976. This sheet is used by ACS in orientation classes for newly arrived personnel, as well as routine EOC operations. Fact sheet was revised again in October 1976.

Revised Contingency Plan Reference Chart published during Jan 76.

Published USAAVNC Severe Weather Warning Plan on 23 Feb 76.

Published USAAVNC Staff Duty Officer SOP for Alert Notification on 24 Feb 76.

During the period 8-13 Mar 76, the USAAVNC participated in JCS CPX POLE VAULT 76.

On 5-6 Apr 76, the USAAVNC conducted an EDRE for the 416th TC Co.

Revised EOC Communications Plan published on 23 Apr 76.

Response to Power Outage Plan published on 22 Apr 76.

During the period 3-6 May 76, the XVIII Airborne Corps conducted an EDRE of the 416th TC Co.

Revised Search and Rescue Plan was published on 19 May 76.

Base Disaster Plan published on 21 May 76.

During May 1976, Plans and NBC Office was the USAAVNC Project Office for Phase I of a TRADOC Division/Brigade Stationing Study. Based on information available, it was concluded that it would be infeasible to station a Division/Brigade at Fort Rucker.

Revised Hurricane Alert and Evacuation Plan published on 1 Jun 76.

During the period 6-9 Jul 76, the USAAVNC conducted an EDRE of the 46th Engineer Battalion.

Protection Plan for Eglin/Tyndall Evacuees, 8 Jul 76; new plan provides for sheltering Tyndall evacuees and/or billeting evacuees and utilizing Shell Field as a halfway/turnaround point for Eglin evacuees enroute to Fort Benning, GA/Maxwell AFB, AL.

Revised Contingency Plan for Support of Emergency Unit Deployment published on 3 Aug 76.

Revised Military Support to Civil Defense Plan published 11 Aug 76.

Revised Provisional Aviation Unit Plan published on 3 Sept 76.

On 8-9 Sep 76, the USAAVNC conducted an EDRE of the 427th Medical Company.

On 14 Sep 76, the revised Nuclear/Chemical Accident/Incident Control Plan was published.

On 21 Sep 76 an EDRE was conducted for the 91st Engineer Detachment.

On 6 Oct 76, a new plan, the USAAVNC Forest Fire Plan was published. This plan resulted from multiple fire incidents in Mar 76 that indicated Fort Rucker should have the capability to reinforce the Fire Department in the event of forest fires.

An Area Disaster Meeting was hosted by the Plans & NBC Office on 20 Oct 76. Personnel in attendance were from State and Region 3, DPCA, American Red Cross, and Alabama State Military Departments; representatives of the Civil Defense and Red Cross agencies in seven of the local counties also attended. IAW FORSCOM guidance, a briefing was presented by Plans Office personnel on the Military Role and Relationships in Domestic Emergencies.

During Oct 76, USAAVNC Contingency Plan for Fuels was rescinded; USAAVNC Reg 11-1, 14 Sep 76, designates responsibility for fuels plan to other USAAVNC staff elements.

Revised Emergency Action Procedures published on 3 Nov 76.

USAAVNC participated in CPX MOBEX 76 during the period 8-9 Nov 76.

Revised Installation Security Plan published on 19 Nov 76.

A 2-hour session of the Commander's Orientation Course was conducted on 29 Nov 76 in the EOC to familiarize unit commanders with EOC facilities, emergency/contingency plans and unit readiness reporting.

The installation of a Secure Voice telephone in the EOC was completed on 30 Nov 76.

USAAVNC Plan for Reception and Onward Movement of DOD Noncombatant Evacuees Plan published 8 Dec 76.

A Command Post Exercise was conducted on 2 Dec 76 as a rehearsal of the Provisional Aviation Unit. All objectives of the CPX were met, with no significant problems encountered that would preclude satisfactory execution of the plan.

Through joint efforts of Plans & NBC Office personnel, Provisional Aviation Unit, FORSCOM units, Alabama National Guard, and the Covington County Civil Defense, a FTX conducted on 10-11 Dec 76 was considered a huge success. The FTX (exercising the Military Assistance Plan) resulted in Fort Rucker demonstrating the capability to assist a community in time of emergency as well as accomplishing FORSCOM training objectives.

Exercise ORBIT PHANTON II conducted by HQ, III Corps, Fort Hood, TX during the period 15 Apr - 17 Sep 76. The EOC served as the Fort Rucker point of contact for play of the exercise. Objective of the exercise was to provide training in planning and conducting the deployment of a corps force to an overseas area. Fort Rucker play included simulated preparation and movement to the area of operations of the 91st Engr Det, 108th QM and 416th TC Co.

The following publications were published in 1976:

USAAVNC Reg 15-3, Operations Security Committee, 15 Dec 76

USAAVNC Reg 105-2, Alert and Exercise Notification, 9 Mar 76

USAAVNC Reg 500-1, Emergency Operations Center, 15 Dec 76

Ch 2, USAAVNC Reg 525-15, Narrative Operational Reporting System, 28 Sep 76

USAAVNC Suppl 1 to AR 220-58 Organization and Training for CBR Defense, 30 Nov 76

USAAVNC Suppl 1 to AR 530-1, Operations Security, 20 Oct 76

USAAVNC Suppl 1 to FORSCOM/ARRED Reg 525-3, Force Status and Reporting System, 8 Apr 76

USAAVNC Suppl 1 to FORSCOM Reg 525-7, Joint Resource Assessment Data Base Reporting System (U), 25 Aug 76

A Retirement Review for Major General Maddox was conducted on 30 Jun 76. The ceremony was prepared and coordinated by the Brigade. All elements of the Brigade participated.

Implementation of the Skill Qualification Test Program for Fort Rucker was initiated by the Brigade.

A Commanders' Orientation Course was established by the Brigade. The first course was conducted during the period 22 Nov - 17 Dec. The purpose of this course is to familiarize each unit commander of the United States Army Aviation Center Troop Brigade with the necessary information to become productive immediately upon assumption of command, in a continuing effort to remain abreast of the needs of the United States Army Aviation Center.

1ST BATTALION

ORGANIZATION

1st Battalion, USAAVNC Troop Brigade, consists of the following units:

11th Company	15th Company
12th Company	98th Army Band
13th Company	141st Military Police Company
14th Company	

MISSION

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

PERSONNEL

Commanding Officer for CY 1976 was:

LTC William J. McCluskey	1 Jan - 31 Dec 76
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Command Sergeants Major for CY 1976 were:

CSM Clyde L. Pine	1 Jan - 2 May 76
CSM John H. Smith	3 May - 31 Dec 76

ACCOMPLISHMENTS

Members of the Soldiers First Battalion supported Fort Rucker fund raising projects in an outstanding manner as follows:

49er Party - 1st Battalion personnel operated the Bingo Concession and conducted the Costume Judging Contest, the success of both contributing greatly to a successful party.

Army Emergency Relief Drive - LTC William J. McCluskey served as Chairman of the 1976 AER Drive which was an overwhelming success as the per capita average of \$1.61 was the highest ever achieved at Fort Rucker. 1st Battalion personnel contributed generously to the post total of \$9,000.01.

The 1st Battalion received an Outstanding Award for its 100% participation in the 1977 Wiregrass Area Combined Federal Campaign. The 194 individuals in the Battalion contributed a total of \$5889.84 for a per capita average of \$30.36.

The 1st Battalion sponsored the following on-post activities:

Chapel of the Flags
Post Library
Post Recreation Center
Thrift Shop
Boy Scout Troop 56
Cub Scout Pack 53

The 1st Battalion passed its AGI during the period 19-29 January 1976 with a satisfactory rating.

During CY 1976, 6190 SIDPERS transactions were processed. Of this total 6131 were processed correctly for an annual processing rate of 99.05%.

The United States Army Aviation Board was attached to the 1st Battalion for administrative support effective 29 July 1976.

11TH COMPANY

ORGANIZATION

The 11th Company provides permanent party staff for Office of the Staff Judge Advocate, Public Affairs Office, Inspector General, Chaplain, Management Information Systems Office, Secretary General Staff, Office of Force Development, Army Community Services, Directorate of Personnel and Community Activities, and the Comptroller Office. The 11th Company also provides transient personnel and AWOL returnees with administrative and logistical services and billeting. Consolidated Mail Room #6 is operated by the 11th Company. HQ Co, HQ BN, was redesignated 11th Company on 1 July 1975.

MISSION

11th Company, 1st Battalion, performs administrative, billeting, command, training and supply functions, maintains recreational facilities for assigned and attached personnel, maintains Consolidated Mail Room #6 and maintains the Intransit Detachment.

PERSONNEL

Company Commanders for CY 1976 were:

CPT John A. Esslinger	1 Jan - 10 Aug 76
CPT William R. Stiffler, Jr.	11 Aug - 31 Dec 76

First Sergeants for CY 1976 were:

1SG Robert F. Harrell	1 Jan - 14 Mar 76
1SG Harvey W. Pinder, Sr.	15 Mar - 31 Dec 76

ACCOMPLISHMENTS

Initiated a periodic company newsletter (page 55.) This publication was well received and served as an ideal vehicle to impart information to soldiers of the unit in an informal, readable fashion. It also served as a morale booster within the unit.

Instituted weekly company formations to accomplish personal appearance inspections and to give important information on a personal, timely manner. These inspections had the added value of building unit pride and morale and resulted in an overall personal appearance improvement. Rumors have all but disappeared as a result. The weekly formation was well received and the idea was later initiated battalion wide.

An Outstanding Soldier of the Week for personal appearance was initiated whereby each platoon selects their most outstanding soldier based upon appearance alone. These soldiers are then inspected by the commander each week to select the most outstanding. At the end of the month, the weekly winners compete and the winner is not required to stand formations the following month. This program has increased competitiveness, thus, assisting in upgrading appearance.

The SOM and NCO of the Month Program was actively reinstated with major improvements and incentives. This has resulted in a better informed soldier and has increased the competitive spirit within the unit.

A company logo consisting of a pair of dice totaling the number eleven to stand for Eleventh Company, as depicted on page 55. The idea has caught on and serves as a mark of pride for members of the unit. It was also selected as the emblem on the back of the unit bowling shirts. An increase in morale has resulted.

The Commanders Trophy was awarded to the 11th Company for the third consecutive year, thereby permanently retiring the trophy in 11th Company. The trophy is awarded for excellence in intramural athletics based on its accumulation of the highest number of points while participating in the bowling, basketball, volleyball, softball, golf, and football programs.

12TH COMPANY

ORGANIZATION

The 12th Company provides permanent party staff for the Directorate of Industrial Operation, Directorate of Facilities Engineering, Airfield Operations Div (DRTM), Range Branch (DRTM), and Training Support Div (DTD).

MISSION

The 12th Company performs command, administrative training billeting and disciplinary functions for assigned personnel.

PERSONNEL

Company Commanders for CY 1976 were:

CPT George H. Artola	1 Jan - 25 Mar 76
CPT Charles D. Goldman	26 Mar - 31 Dec 76

First Sergeants for CY 1976 were:

1SG Alfred E. Wynn	1 Jan - 10 Jun 76
1SG Gerald Golden	11 Jun - 31 Dec 76

ACCOMPLISHMENTS

During the course of the calendar year, SP4 Douglas S. Patrick was selected for 1975 Fort Rucker Soldier of the Year. SP4 Harold L. Mulkey was selected Post Soldier of the Month for February, and SP4 Margaret Sage was Post Soldier of the Month of May.

12th Company's SIDPERS processing efficiency averaged 98.9% for the year 1976.

During March 12th Company successfully consolidated its major supply functions with 15th Company.

An Outstanding Unit Achievement Award was presented to 12th Company by COL Adessa for maximum participation in the Wiregrass Area Combined Federal Campaign.

13TH COMPANY

ORGANIZATION

The 13th Company provides the permanent party staff and faculty for the Department of Academic Training.

MISSION

The 13th Company provides command, control, logistic, administrative, and billeting support to permanent party personnel assigned to the Department of Academic Training.

PERSONNEL

Company Commanders for CY 1976 were:

CPT Kenneth M. Clapp	1 Jan - 27 May 76
CPT Floyd C. Emery	28 May 76 - 31 Dec 76

First Sergeant for CY 1976 was:

1SG William B. Williams	1 Jan - 31 Dec 76
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During October 13th Company underwent a change in the Table of Distribution and Allowances which changed the personnel authorization from 308 to 510.

ACCOMPLISHMENTS

The 13th Company maintained a SIDPERS processing rate of 99.7% through CY 76 with a total of 1270 transactions submitted. The average daily strength for CY 76 was 376.

SSG Donald Wagoner was selected as Fort Rucker NCO of the Year. SSG Wagoner was also a recipient of the Alabama Governor's Award which expresses the appreciation of the citizens of Alabama for the military men and women who preserve freedom around the world.

14TH COMPANY

ORGANIZATION

The 14th Company provides permanent party staff and faculty for Directorate of Combat Developments, Directorate of Training Developments (less Tng Sup Div), Directorate of Training (less DOAT, DGFT, Airfield Opns Div (DRTM), and Range Branch (DRTM).

ACCOMPLISHMENTS

In the interest of supply economy and cost reduction, plans were initiated and inventories conducted for integration of the 12th Company supply activity into the 15th Company Consolidated Supply function. Integration was completed on 1 April 1976.

Responsibility for logistics support of BEQ's for 1st Battalion ended on 30 June 1976. Buildings were closed, equipment turned into supply channels, personnel residing in BEQ's were relocated to permanent buildings and to Post BEQ. Equipment returned to supply channels was valued in excess of \$43,000.00.

Transfer of personnel of Armament Support Section, DRTM and Ammunition Service Section, DIO, to 12th Company was accomplished on 1 November 1976. This move was made to facilitate uniform control between departments assigned to 12th Company and company command unit.

98TH ARMY BAND

ORGANIZATION

MTOE 12107HTC10.

MISSION

To provide music for appropriate military ceremonies, recreational activities, radio and television presentations, and civilian functions as authorized and/or directed by the Department of the Army.

PERSONNEL

Unit Bandmasters for CY 76 were:

CW2 Benny R. Easter	1 Jan - 23 Aug 76
WO1 Luther E. Murphy	24 Aug - 31 Dec 76

Unit Enlisted Bandleaders for the year were:

MSG John T. Doheny	1 Jan - 1 Aug 76
SFC Arthur W. Digiacomo	2 Aug - 20 Nov 76
SFC Haywood E. Sellers	21 Nov - 31 Dec 76

ACCOMPLISHMENTS

The 98th Army Band participated in over 350 military and civilian functions, and gave support to many Bicentennial activities in local communities. The Band traveled 9,700 miles and was heard by over a million people at occasions such as the Dothan Peanut Festival, Southern Music Clinic, Shrimp Festival at Gulf Shores, and the Band also supported AUSA and was involved in several ROTC Military Balls. Buglers were furnished for numerous military funerals in the surrounding four states area.

Highlight of the year was the concert "Stand Up for America" given by the Band with guest conductor, Dr. W. Francis McBeth, one of the ten most outstanding educational music directors in the United States and Canada, and a former member of the 98th Army Band. The concert was presented at the Ozark Civic Center.

141ST MILITARY POLICE COMPANY

ORGANIZATION

MTOE 19500HTC17.

MISSION

To provide the necessary command, control, administration, supply, quarters and training for assigned or attached personnel. Provide personnel and equipment in support of the Provost Marshal, Fort Rucker, Alabama.

PERSONNEL

Company Commander for CY 1976 was:

CPT Alan M. Richardson	1 Jan - 31 Dec 76
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First Sergeants for CY 1976 were:

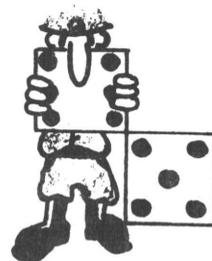
1SG Thomas M. Shumaker	1 Jan 76
1SG Paul S. Birdwell	2 Jan 76 - 31 Dec 76

ACCOMPLISHMENTS

PFC John S. Boyd was selected as the Fort Rucker Soldier of the Month for June 1976.

The 141st MP Company received a CFC Outstanding Unit Achievement Award for its performance during the 1977 Wiregrass Area CFC.

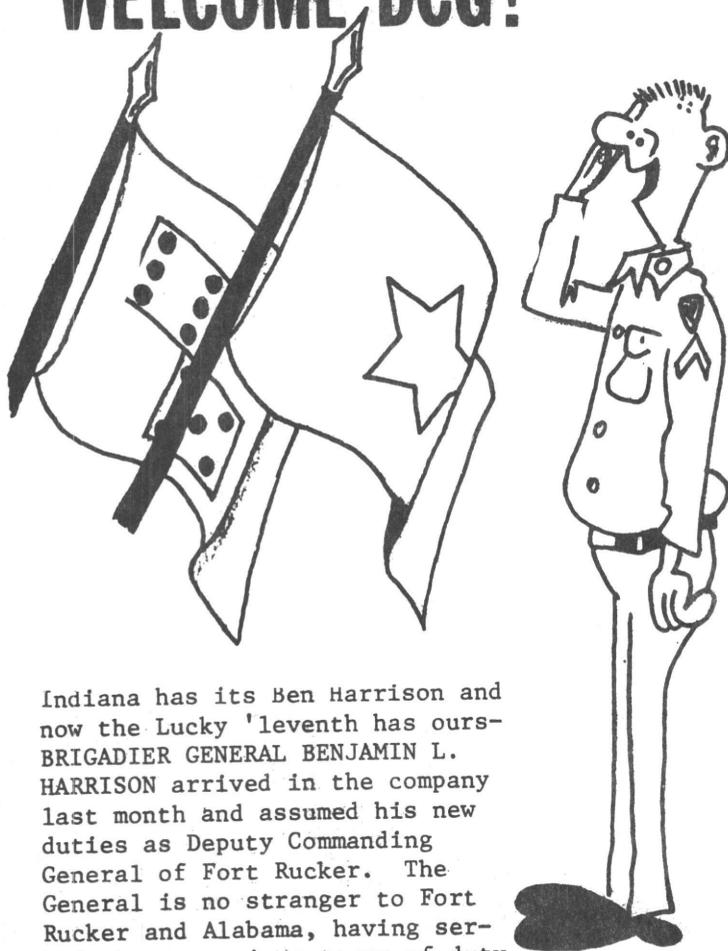
LUCKY 'LEVENTH



11th Company, 1st Battalion

No. 3, November 1976

WELCOME DCG!



Indiana has its Ben Harrison and now the Lucky 'leventh has ours-
BRIGADIER GENERAL BENJAMIN L. HARRISON arrived in the company last month and assumed his new duties as Deputy Commanding General of Fort Rucker. The General is no stranger to Fort Rucker and Alabama, having served three previous tours of duty here. WELCOME BACK, SIR.....

SMITHS APLENTY

Last issue we welcomed General Smith as our seventh SMITH in the Lucky 'leventh. This month we welcome nr. eight - 2LT JOHN E. SMITH, JR. LT Smith has been assigned to the company as the Executive Officer. This welcome addition to our ranks comes to us from Fort Bragg, N.C.

FROM THE TOP

Leadership and the role of the NCO are becoming increasingly more important in today's Army. We, in the LUCKY 'LEVENTH need to stop and take a good look at our leadership habits to insure that "soldiering" is an integral part of our daily lives. Just because the majority of us sit behind a desk for 8-hours a day is no excuse for disregarding our vital roles as leaders. It is so easy to slip into the daily routine of administration and fail to consider discipline and uniformity of our troops. Recently, I realigned the platoons and squads so that the Platoon Sergeants and Squad Leaders were the same individuals responsible for their charges during the week in the duty sections. We don't need "once-a-week" leadership. I'd like to take this opportunity to congratulate and thank each and every one of you for your fine showing during the Brigade Commander's uniform inspection. You looked and acted like the soldiers that you are.....



NCO-OF-THE-MONTH

The NCO of the Month for 11th Company for the month of November is Specialist Five Kenneth R. Goetz from Finance and Accounting Division. His selection earned him a 3-day pass, 30-day exemption from the duty roster, letter of commendation, letter to his parents and entry into the SOM HALL OF FAME for 1976.

THOSE OF YOU WHO THINK YOU KNOW IT ALL
ANNOY THOSE OF US WHO DO.....

4TH BATTALION

ORGANIZATION

4th Battalion consists of the following units: 41st Company, 42d Company, 43d Company, Co E, 30th Infantry, Company C (PFDR/ABN) 509th Infantry, 260th Field Artillery Detachment.

MISSION

To exercise command and control over all assigned/attached units and elements. Provides command and staff supervision of administrative functions, physical security, limited logistical support, quarters and rations, and training of assigned personnel. Also provides Honor Guard ceremonies, funeral details and parades for the Fort Rucker community and the surrounding area. Supports aviator training at the Army Aviation Center by providing landing and drop zone selection, navigational assistance, and artillery fire support for Army aircraft during training missions.

PERSONNEL

Commanders:

LTC Robert T. G. Hackett, Inf 7 Nov 75 - Present

Executive Officers:

CPT Eugene W. Wages, Inf 1 Jul 75 - 2 Apr 76
CPT Reginald Marcus, FA 2 Apr 76 - 2 Jul 76
CPT Douglas Roberts, MI 2 Jul 76 - Present

Sergeant Major:

CSM Victor E. Ashcraft 1 May 75 - 7 Dec 76
CSM Tilden R. Kirkland 7 Dec 76 - Present

The average student load for the Calendar Year was 713.

ACCOMPLISHMENTS

The 4th Battalion assumed control of Con Mess #3 26 Jan 1976.

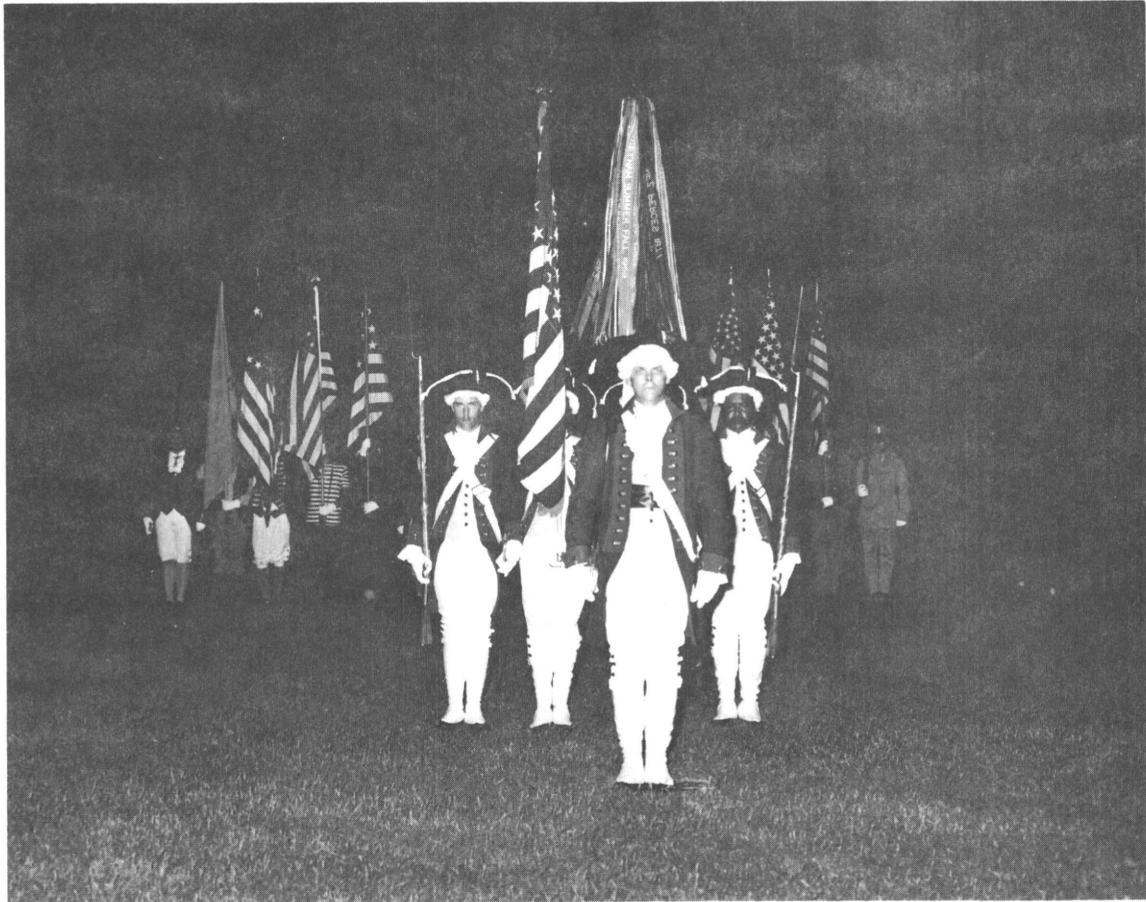
Co C, 509th Infantry, Co E, 30th Infantry, and the 260th Field Artillery Detachment were attached to the 4th Battalion on 5 Feb 1976.

Torchlight Tattoo: On 12 June 1976 the 4th Battalion performed the "Grand Torchlight Tattoo" for approximately 2000 spectators. (Picture on page 58.) This event, in support of Fort Rucker Bicentennial celebration, was performed by Co E, 30th Inf, Co C, 509th Inf, and the 260th FA Det. The 41st, 42d, and 43d Companies provided lighting, PIO, seating and programs. On 8 July 1976 Co E, 30th Inf performed the ceremony again at the Dothan Civic Auditorium. The event was attended by 400 spectators.

On 2 June seven West Point Cadets arrived to perform duties under the Cadet Troop Leadership Training (CTLT) program. In July 10 ROTC cadets were assigned for a 2-week period for AOT.

The 4th Battalion was the installation representative for the Girl Scouts. Over 4000 hours of support was provided in upgrading or maintaining facilities at Singing Pines (Lake Tholocco) and the Girl Scout Hut.

GRAND TORCHLIGHT TATTOO
12 June 1976--Center Parade Ground
Commander of Troops, CPT Joseph Pike
Inf, Cdr Co E 30th Infantry 4th Battalion



41ST COMPANY

MISSION

To provide command and control, administration and logistical, housing and subsistence support for all assigned and attached personnel.

PERSONNEL

Commanders:

CPT John E. Birdsell, Inf	9 Jul 75 - 2 Jul 76
CPT Gregory L. Cook, Inf	2 Jul 76 - Present

Executive Officers:

2LT Karl W. Uchrinscko, MI	Jan 76 - Jun 76
1LT Gratton O. Sealock, II, Inf	Oct 76 - Present

First Sergeant:

1SG John F. Murray	Sep 75 - Jan 76
1SG Robert M. Kanardy	Mar 76 - Dec 76

In addition to the above listed personnel, the 41st Company is made up of 21 permanent party personnel, one civilian clerk typist, and one civilian supply clerk. The average student strength for the calendar year of 1976 was 209.

ACCOMPLISHMENTS

Cadets Scott H. Jeffers, John E. Cornelius, and Al Malagrino, U.S. Military Academy, arrived 4 Jun 76 for the Cadet Troop Leadership Training Program.

Cadets Jerry I. McNeil and Charles D. Slaughter arrived 2 Aug 76 for Cadet Troop Leadership Training.

CPT Cook attended Commander's Course Nov-Dec 76.

41st Company won the Post Fire Prevention Award Oct 76.

42D COMPANY

MISSION:

To provide command and control, administration, logistical, housing, and subsistence support for all assigned and attached personnel.

PERSONNEL

Commanders:

CPT Kurt A. Rhodehamel	26 Sep 75 - 2 Jul 76
CPT Michael D. Martin	2 Jul 76 - Present

Executive Officers:

2LT Douglas A. Thorpe	19 Dec 75 - 2 Aug 76
2LT Catherine A. Robertus	5 Nov 76 - Present

First Sergeant:

ISG Edward M. Shevlin	1 Oct 74 - Present
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The average student strength was 301 for CY 76.

ACCOMPLISHMENTS

During January 42d Company provided support to the Girl Scout activities at the Singing Pines Camp located on Lake Tholocco.

The field between buildings 5910 and 5911, previously used as a parking lot, was replanted during February.

Consolidated Dining Facility Number 3, under 42d Company management, won the Commanding General's Best Mess award for 3d quarter of FY 1976, 6 Apr 1976.

On 17 May 1976 the Quarterly Prayer Breakfast was held in Consolidated Dining Facility Number 3.

The unit received a letter of appreciation, dated 14 Jun 1976, from the 4th Battalion Commander, commending 42d Company's performance in the Fort Rucker Grand Torchlight Tattoo celebrating the Army's 201st Anniversary.

A "Fun Night" was held in 42d Company parade field on 28 July 1976. The Troop Brigade Commander and CSM participated in a company Tug of War.

During the months of July and August 1976 42d Company sponsored several ROTC Cadets participating in AOT with the 4th Battalion.

An appreciation letter was received through channels, dated 23 August 1976, commending 42d Company's participation in the review honoring the retirement of Major General Maddox.

The Quarterly Prayer Breakfast was held 19 November 1976 in Consolidated Dining Facility #3.

During November 1976 42d Company constructed an obstacle course and organized a PT program.

On 8 December 1976 Brigadier General Benjamin L. Harrison presented 42d Company with the first place award for the Post Outdoor Christmas Display contest.

On 15 December 1976 the 42d Company sponsored the first Enlisted Dining In held at Fort Rucker. The dinner was attended by the 4th Battalion Commander, CSM, and 238 members of 42d Company. CSM Kirkland was the guest speaker.

43D COMPANY

MISSION

To provide command and control, administration, logistical, housing, and subsistence support for all assigned and attached personnel.

PERSONNEL

Commanders:

CPT Douglas Roberts, MI	3 Jul 75 - 2 Jul 76
CPT Reginald W. Marcus, FA	2 Jul 76 - Present

Executive Officers:

1LT Gregory Mills, AGC	21 Nov 75 - 1 Aug 76
2LT James Trower, AGC	30 Nov 76 - Present

First Sergeant:

1SG Jackie Ray	10 Jul 75 - 26 Feb 76
1SG Anthony Maslinski	26 Feb 76 - 6 Aug 76
1SG Timothy Bronson	6 Aug 76 - Present

The average permanent party strength for the year was 14 military personnel and 2 civilian personnel. The average student load was 203.

ACCOMPLISHMENTS

Fourth Battalion Dining Facility (Con 4) received the General's Best Mess Award for the 2d Qtr FY 76 on 26 Feb 76.

For the period 2 Jun thru 2 Jul the Company had two West Point Cadets assigned under the CTLT program as platoon leaders: Stewart Sarkela and Robert Ryan.

On 18 May 76 the Company Supply room passed its Quarterly Supply Assistance visit with no deficiencies.

For the period 2 Aug thru 20 Aug the Company had one cadet from the University of Mississippi assigned under the AOT program as executive officer - Gregory Player.

Fourth Battalion Dining Facility (Con 4) received the General's Best Mess Award for the 4th Qtr FY 76.

Fourth Battalion Dining Facility (Con 4) received the Annual Best Mess Award for the year 1976.

Fourth Battalion Dining Facility (Con 4) was inspected for the Connelly Award 6 Nov 76.

COMPANY C (PFDR/ABN) 509TH INFANTRY

MISSION

To establish aircraft landing and drop zones and provide terminal guidance to the United States Army Aviation Center in support of the initial entry rotary wing training program.

PERSONNEL

Commanders:

CPT Larry R. Sloan, Inf	9 Aug 74 - 27 Feb 76
CPT Alan J. Sariego, Inf	27 Feb 76 to present

Executive Officers:

1LT Gregory Landaker, AR	25 Mar 76 - 8 Sep 76
1LT Samuel Mitchell, AR	8 Sep to present

First Sergeant:

1SG Alexander Boxley	1 Dec 75 to present
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ACCOMPLISHMENTS

Rappel Training:

22 Apr 76, Hooper Stagefield in support of 65 JROTC cadets from Abbeville, AL.
5 May 76, University of South Alabama, Mobile, AL.
11 May 76, Hooper Stagefield, in support of 75 JROTC cadets from Sarasota, FL.
CO E 30th Infantry - 14 Jul 76 (first female soldier to rappel at Fort Rucker).
427th Medical Company, 46th Engineer Battalion, 22 Jul 76.
926th Engineer Battalion (USAR), 22 Jul 76.
Company C 46th Engineer Battalion, 5 Aug 76.

The mobile division of the FBI special weapons and tactics team was instructed in the procedures of rappeling from a 35 foot tower on 21 Apr 76.

The Torchlight Tattoo was conducted on 12 Jun 76 by Company C and E of the 4th Battalion. This consisted of a presentation of all state flags in the order that the state was accepted into the union.

The Army Aviation birthday was held on 5 Jun 76 at Cairns AAF. This unit provided personnel, tactical radios, a weapons display and vehicles for simulated armored vehicles.

LTG Frank A. Camm visited Fort Rucker on 22 Apr 76 and was given a demonstration of rappeling from a UH-1H.

Company C supported the UTTAS test program at Shell AAF with vehicles and personnel.

1SG Boxley promoted to E8 - 1 Jul 76.

First female Army paratrooper (PFC Cathrene Smith - Rigger Detachment) performed a parachute jump at Fort Rucker.

Individual honors:

January - Brigade Soldier of the Month, SP4 Joseph Lowe
February - Post NCO of the Month, SSG Charlie Blake
March - Post NCO of the Month, SSG Kenneth Finch
April - Brigade Soldier of the Month, SP4 Joseph Lowe
 Post NCO of the Month, SSG Nathaniel Burkett
May - Post NCO of the Month, SSG Lawrence Bufford
June - Post NCO of the Month, SSG Kenneth Finch
 Brigade Soldier of the Month, SP4 Joseph Lowe
July - Brigade NCO of the Month, SSG Nathaniel Burkett
 Post Soldier of the Month, SP4 David Scharff
August - Post NCO of the Month, SGT Thea Chaplin
 Post Soldier of the Month, SP4 Joseph Lowe
September - Post NCO of the Month, SSG Elijah Payne
October - Post NCO of the Month, SGT David R. Sandana
November - Post NCO of the Month, SSG Nathaniel Burkett

Completed two parachute operations at Tabernacle Army Airfield and nine operations at Cairns Army Airfield, Daleville, AL. The unit participated in the United States Army and Air Force Leapfest, Hurlbert Airfield, Eglin, FL.

In addition to its normal missions it has supported others in an Infantry capacity, such as the 46th Engineer Battalion, ROTC, Reserves and National Guard.

260TH FIELD ARTILLERY DETACHMENT

MISSION

To provide 105MM Howitzer support to the United States Army Aviation Center in all operations requiring an organic Field Artillery Battery.

PERSONNEL

Commanders:

1LT Richard G. Read	6 Sep 74 - 26 Apr 76
1LT Joseph M. Laura	27 Apr 76 - Present

NCOIC:

SSG Henry E. Lambert	30 Jun 75 - 1 Nov 76
SGT Rickey J. Gosnell	2 Nov 76 - 14 Nov 76
SSG William K. Burgess	15 Nov 76 - Present

ACCOMPLISHMENTS

During CY 76 the 260th FA has continued to support the United States Army Aviation Center by firing night illumination missions, as well as participating in all monthly retirement ceremonies.

The 260th FA Detachment participated in two airlifts and renovated a 105MM Howitzer for the Attack Branch of the Department of Graduate Flight Training during CY 76.

On 31 May 76 this unit fired a 50 gun salute as part of the Memorial Day celebration.

On 12 Jun 76 the 260th FA Detachment performed a precision artillery maneuver by firing 50 blank 105MM rounds at 2-second intervals with two howitzers in support of the Torchlight Tattoo Ceremony. This display once again exhibited the professionalism of the Artillerymen in the 260th FA Detachment as the unit received many letters of commendation for this exercise.

On 30 Jun 76 the 260th FA Detachment fired a 13 gun salute to bid farewell to MG William Maddox.

On 4 Jul 76 the 260th FA Detachment helped Ft Rucker celebrate Independence Day by firing a 50 gun salute.

This unit participated in the ceremony welcoming MG Smith to Ft Rucker on 20 Jul 76.

On 22 Jul 76 the 260th FA Detachment fired a 19 gun salute for the Honorable Orta Moller, the Minister of Defense from Denmark.

Contributions: Goals were met with contributions from the 6th Battalion, and all four companies to the various organizations, AER, CFC, and 49'er Party.

The following figures by companies were the number of students that graduated from this Battalion for CY 76:

61st Company, W01: 553
63d Company, Advance Students: 1,681
64th Company, Army: 404
 Air Force: 64
 Allied Students: 58

61ST COMPANY

MISSION

To provide command, administration, logistical support and military justice for all assigned personnel plus military development training for all warrant officer rotary wing aviator classes in Phase II training.

PERSONNEL

Unit Commander: CPT Leland N. Yonkers, 13 Dec 1975 - present.

First Sergeants:

1SG Franklin D. Wyant, 26 Jan 1975 - 16 Feb 1976.
1SG Gerald A Faulk, 17 Feb 1976 - present.

Average Strength of Unit: 210

ACCOMPLISHMENTS

Assigned personnel participated extensively in preparation for and conduct of Bicentennial Forty-Niner Party which produced funds for post-wide activities.

Warrant Officer Candidate wives participated in annual "Toilet Bowl" which also produced funds for charitable organizations on post.

Unit personnel were awarded six trophies for participating in the 4th of July Bicentennial competition at the Recreation Center.

Mess hall (Consolidated #3) earned "Best Mess" award for the second quarter.

Buildings 8602 and 8603 (BEQ'S) were renovated by assigned personnel.

Unit received Superior Achievement award for its participation in the Combine Federal Campaign.

One member of the unit was awarded a Certificate of Achievement for his contribution to the activities at the Aviation Museum.

62D COMPANY

MISSION

To develop selected personnel to be Warrant Officer Aviators in the Army of the United States who will be capable of performing duties appropriate to their grade in aviation units. The secondary mission is to serve as basis for mobilization as the needs of the service require.

PERSONNEL

Unit Commander: CPT Barry P. Gerischer September 1975 - Present
Executive Officer: 1LT David J. Daulton September 1975 - July 1976
Executive Officer/Senior TAC Officer: CW4 John Popovich January 1976 - Present

TAC Officers: CW3 Sherman A. Gill March 1976 - Present
CW3 Fred C. E. Miller Jr February 1976 - December 1976
CW2 Michael A. Fischer November 1976 - Present
CW2 James D. Green October 1976 - Present
CW2 Dale E. Metz October 1975 - March 1976
CW2 John B. Miller Jr March 1976 - March 1976
CW2 Robert L. Mitchell September 1975 - Present
CW2 James E. Pittman October 1976 - Present
CW2 John L. Potts September 1976 - Present
CW2 Ritchie E. Rider September 1976 - Present
CW2 Gary A. Shaner March 1976 - Present
CW2 Richard B. Ward Jan 74 - 22 March 1976
CW2 Daniel J. Wells May 1976 - June 1976
CW2 William R. Wells March 1976 - June 1976

First Sergeants:

1SG William G. Hale October 1975 - September 1976
1SG Robert W. Black September 1976 - Present

ACCOMPLISHMENTS

During the last quarter, the Combined Federal Campaign contributions were collected with the 62d Company collecting a total of \$7,569.86 in contributions.

The Red Cross Blood Drive was extremely successful in that the 62d Company had 100 per cent participation of those individuals who were eligible to give blood.

In the last quarter of this year, the Warrant Officer Candidate Program experienced two changes to the course:

Introduction of the 5-week Pre-Flight Program which started on 4 October 1976. This expansion of the Pre-Flight Program was done to encompass the movement of SERE training to the beginning of the course.

Introduction of the Warrant Officer Development Course of 14 November 1976. This course is an addition to the Warrant Officer Flight Training Course and is a prerequisite for the Warrant Officer Aviation Course. The new program is six weeks long and during this time each candidate receives extensive Warrant Officer development training.

62d Company successfully completed the Annual Inspector General Inspection with a "well done" to all concerned.

Candidates of 62d Company, through individual and class efforts, earned donations in excess of \$500.00 for AER.

Candidates of 62d Company participated in retirement parade ceremonies for MG William J. Maddox, Jr., retiring Fort Rucker Commander. All comments from viewers of the parade--military and civilian--were extremely praiseworthy toward candidates of 62d Company.

On 10 February 1976 the supply facility for 61st Company and 62d Companies were consolidated in Building 5810.

Average annual strength of the 62d Company has been 238.

63D COMPANY

MISSION

To provide administration, operations and coordination to permanent party personnel and student officer and Warrant Officer personnel of the 63d Company.

PERSONNEL

Company Commanders for CY 1976 were:

CPT Robert L. Floyd III
CPT Paul N. Young, Jr

July 1975 - December 1976
December 1975 - Present

ACCOMPLISHMENTS

The Warrant Officer Career Counselor position was transferred to DOAT on 20 July 1976 and individual assumed the additional duties as Class Director.

IG CY 1976, 63d Company had no noted deficiencies.

64th and 63d Companies consolidated their supply rooms.

The 63d Company's softball team won the Post Championship.

SP5 Richard West was awarded the Army Commendation Medal for Meritorious Service.

64TH COMPANY

MISSION

To perform command, supply, and administrative functions in support of the Initial Entry Rotary Wing Aviator (Officer) Course and supply functions for 63d Company, 6th Battalion, USAAVNC Troop Brigade.

PERSONNEL

Unit Commanders:

MAJ Thomas E. Murray
CPT John F. Hendrickson

June 1975 - December 1976
December 1976 - Present

ACCOMPLISHMENTS

Change of Command was held on 20 December 1976.

The Unit Golf Team won the Eastern Division title and placed third in the Post Championship.

Company Volleyball Team, the "Golden Bolts" completed the season as Post Champions.

IERW Officer students spent a total of 66 hours repainting and repairing playground equipment for the Fort Rucker Elementary School.

One hundred man-hours were spent by the 64th Company students constructing collection boxes for the Salvation Army (See photo on page 75.)

64th Company Basketball Team, the "Golden Bolts" completed the season as Eastern Division Champions and as post runner-up champions.

On 13 February 1976 the 64th Company received its annual AGI with only one deficiency noted.

ALLIED MILITARY TRAINING DIVISION

MISSION

The Allied Military Training Division is responsible for the administration of all allied students trained at Fort Rucker. The assistance includes the administrative processing of incoming and outgoing allied students in relation to medical care, travel, identification cards, leave, pay, etc. The Allied Military Training Division also provides continuous assistance in administrative and logistical matters and social functions. Students are counseled in matters pertaining to difficulties with academic and flight training. In addition, Allied Military Training Division develops and coordinates the allied student orientation, information, and sponsor program to establish a close relationship with both United States military and civilian personnel. The Allied Military Training Division insures the student gets the training his country is paying for.

PERSONNEL

Chief: CPT Horst H. Cleveland	January 1976 - Present
Assistant Chief: 1LT Henry Reed	January 1976 - Present
NCOIC: SSG Theodore Tims	January 1976 - July 1976
SGT Daniel Aylsworth	August 1976 - November 1976
SSG Alan L. Seguire	December 1976 - Present

ACCOMPLISHMENTS

During 1976 the Allied Military Training Division provided administrative and organizational support for 213 allied students. It should be noted that this figure expresses the number of allied students who started training during 1976 only. There are normally 80 carry-over students from the previous calendar year. 27 countries were represented during 1976.

Continuous emphasis was placed on the allied sponsorship program. In 1976, 74 percent of the students had sponsors. Both military and civilian sponsors acquaint the allied students with our way of life at Fort Rucker and the surrounding communities. By involving both military and civilian sponsors in the program, a balanced cross-section of the American way of life is presented to the allied students.

The Information Program also serves to enlighten the allied students about our way of life. During 1976 informational tours were taken to Eglin Air Force Base, Florida, on February 6-9; Montgomery, Alabama on June 4-5; New Orleans, LA on September 4-6; and to Bonifay Rodeo on 1 October 1976. In addition, receptions for the Commanding General were held on 12 March, 18 June, and 29 October 1976.

Allied Student input for 1976 is as follows:

Argentina	3
Australia	1
Bahrain	2
Bolivia	1
Canada	2
Chile	1
Denmark	10
Ethiopia	4
Germany	56
Guatemala	5
Honduras	2
Indonesia	11
Iran	25
Israel	41
Jordan	1
Korea	3
Mexico	2
Morocco	3
Netherlands	2
Norway	14
Panama	3
Peru	4
Republic of China	4
Saudia Arabia	3
Spain	5
Thailand	2
Tunisia	3
Total	<u>213</u>



HAMMER IT HOME—Second Lieutenant Arlie A. Schiermeir (left) of Class 76-20 and Second Lieutenant Ronald L. Van Vleet of Class 76-24 assemble the framework for a Salvation Army drop box. Two volunteers from Officers' Rotary Wing Aviation Course

classes 76-8, 10, 12, 16, 20, 24, 26, 28, 30, and 32 recently volunteered to build 30 Salvation Army drop boxes for distribution throughout the Wiregrass area. The project was coordinated by Army Community Services.

46TH ENGINEER BATTALION (COMBAT) (HEAVY)

ORGANIZATION

The 46th Engineer Battalion (Combat) (Heavy) consists of the following units:

Headquarters and Headquarters Company
Company A
Company B
Company C

DETACHED UNITS:

Company D

ATTACHED UNITS:

108th Quartermaster Company
416th Transportation Company
427th Medical Company
123rd Ordnance Detachment
91st Engineer Detachment

MISSION

To provide engineer troop construction support for the United States Army Aviation Center and support U.S. Army contingency missions; to provide general support to the United States Army Aviation Center; and to be prepared to perform combat engineer and infantry operations as directed.

PERSONNEL

Battalion Commanders for CY 1976 were:

LTC Rudolph E. Abbott	14 Apr 1975 - 17 Dec 1976
LTC James R. Whitley	17 Dec 1976 - Present

Battalion Sergeants Major for CY 1976 were:

CSM James Harris	19 Jun 1974 - 01 Apr 1976
CSM Hal S. Gladson	01 Apr 1976 - Present

ACCOMPLISHMENTS

The 46th Engineer Battalion officially converted to combat heavy on 21 June 1976. Training has been conducted under the ARTEP concept to prepare the battalion to accomplish this new mission.

The battalion conducted numerous training visits with its affiliated national guard battalion during CY 76. The highlight of this affiliation was the 877th Engineer Battalion's Training Test which was written and administered by the 46th Engineer Battalion.

The battalion initiated three major training programs during CY 76. These programs were aimed at raising the level of individual proficiency within the battalion in the areas of vehicle driving; squad leader supervision; and nuclear, biological and chemical warfare defense.

The 46th continued its quarterly command inspection program with great success. All units successfully passed the inspections and showed improvement in all areas.

HEADQUARTERS AND HEADQUARTERS COMPANY

PERSONNEL

Company Commanders for CY 76 were:

CPT Algimantas J. Strazdas	01 May 1974 - 19 Jan 1976
CPT Thomas Bailey	19 May 1976 - Present

Company First Sergeants for CY 1976 were:

1SG Kenneth W. Forsberg	01 Aug 1975 - 01 Mar 1976
1SG Morris A. Aldridge	01 Mar 1976 - 21 Jun 1976
MSG Walter O. Cameron	21 Jun 1976 - 13 Aug 1976
1SG Nicholas Gasper	13 Aug 1976 - Present

MISSION

To provide command, construction planning, direction, coordination, and control of the engineer combat heavy battalion and attached units. In addition, this unit provides overall supervision of the battalion dining facility.

COMPANY A

PERSONNEL

Company Commanders for CY 76 were:

CPT Frederick D. Lee	26 Jul 1975 - 12 Jul 1976
CPT Eddie Duncan	12 Jul 1976 - Present

Company First Sergeants for CY 1976 were:

SFC Jesse H. Gaddy	26 Aug 1974 - 08 Nov 1976
SFC Charles F. Dillon	08 Nov 1976 - Present

MISSION

Company A, the equipment and maintenance company, provides support to three construction companies which are responsible for vertical construction as well as roads, landing areas, and installation improvement.

ACCOMPLISHMENTS

A Company was kept busy during June 1976 resurfacing the motor pool in the A and B Company motor pool. The unit placed a double surface treatment over approximately four acres.

COMPANY B

PERSONNEL

Company Commander for CY 1976 was:

CPT Randy L. Beckett	25 Nov 1975 - Present
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Company First Sergeants for CY 1976 were:

1SG Serafin Salgado	18 Jun 1975 - 30 Jun 1976
SFC Carl R. Caldwell	30 Jun 1976 - 31 Aug 1976
1SG Virgia Leblanc	31 Aug 1976 - Present

MISSION

To evacuate, haul, compact, and grade earth and to provide stabilized earth subgrades for airfields and roads. To construct and rehabilitate buildings, post facilities, bridges, and drainage structures, and to install and repair utilities. Also to be prepared to conduct combat engineer and infantry operations as required.

ACCOMPLISHMENTS

B Company undertook a major task to improve the post road network with the Hartel Way Extension project. 5000 man hours and 550 equipment hours were utilized in the construction. The project included placing 150 cubic yards of concrete while building two headwalls and 500 feet of ditch and sidewalk. The project was completed on 26 May 1976.

The construction of a baseball field for the Vivian B. Adams school offered B Company an excellent opportunity to improve its relationship with the Wiregrass Area. It was completed on 16 June 1976 after the expenditure of 129 equipment hours and 130 man hours.

The construction of a jogging track and the upgrading of the drainage system for the Enterprise YMCA was completed by B Company on 22 June 1976. The project consumed 700 man hours and 600 equipment hours. 500 cubic yards of earth were moved and 220 feet of culvert installed.

The company's masons were tested during the construction of a display pedestal at the Daleville gate. The masons layed over 5000 bricks during the course of the project which was completed on 25 June 1976.

B Company made many improvements to the drainage system at the Ft Rucker horse stables during the period 16 August 1976 to 4 November 1976. The unit expended over 3700 man hours and over 400 equipment hours while installing 13 culverts and upgrading the road and ditch network.

B Company was tasked to remove a railroad bridge that had collapsed into the Tombigbee River near Aliceville, Alabama. The project was a huge success. Over 5,400,000 pounds of debris was removed from in and around the river at an estimated savings of over \$100,000 had civilian contractors done the job. Highlights of the project included a massive use of demolitions and the use of "Skycrane" helicopters to expedite removal of the debris.

COMPANY C

PERSONNEL

Company Commander for CY 1976 was:

1LT Thomas A. Bauer	1 June 1976 - Present
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Company First Sergeants for CY 1976 were:

SSG Charles Brewster	21 June 1976 - 21 Sep 1976
1SG Sims A. Charrier	21 Sept 1976 - Present

MISSION

To evacuate, haul, compact, and grade earth to provide stabilized earth subgrades for airfields and roads; to construct and rehabilitate buildings, post facilities, bridges, and drainage structures, and to install and repair utilities; to be prepared to conduct combat engineer and infantry operations as required.

ACCOMPLISHMENTS

C Company returned to Ft Rucker after being detached to Ft Knox. The unit came at zero strength with an effective activation date of 21 December 1976. Due to a low rate of fill of personnel and equipment the E-date had to be slipped to 21 June 1977.

108TH QUARTERMASTER COMPANY

PERSONNEL

Company Commanders for CY 1976 were:

CPT John J. Riffie	28 Feb 1975 - 13 Jun 1976
CPT Michael J. Amidei	13 Jun 1976 - Present

Company First Sergeants for CY 1976 were:

1SG William Carroll	01 Dec 1975 - 16 Aug 1976
1SG John DeJesus	16 Aug 1976 - Present

MISSION

To provide rapid refueling and limited storage capability to the United States Army Aviation Center; to provide refueling and storage capability to U.S. Army contingency missions.

ACCOMPLISHMENTS

The 108th Quartermaster Company supported Reforger 76 during September and October 1976. The unit was required to establish two fuel system supply points to refuel equipment of the reforger unit. The 108th was highly praised for its participation.

The units annual ORTT was held in conjunction with the return of the reforger unit, and the 108th received a satisfactory rating.

416TH TRANSPORTATION COMPANY

PERSONNEL

Company Commanders for CY 1976 were:

CPT Loel A. Ewart	02 Oct 1975 - 20 Dec 1976
CPT Robert Cannon	20 Dec 1976 - Present

Company First Sergeants for CY 1976 were:

LSG Morris Aldridge	29 Jun 1973 - 1 Mar 1976
LSG Nicholas Gasper	01 Mar 1976 - 13 Aug 1976
LSG Robert D. Olinger	13 Aug 1976 - Present

MISSION

To provide refueling capability to the United States Army Aviation Center; to provide transportation of bulk petroleum in line haul missions as required in support of U.S. Army contingency missions.

ACCOMPLISHMENTS

The 416th Transportation Company successfully completed a high level evaluation of its contingency mission training.

The unit conducted 290,000 miles of convoy training to maintain individual proficiency in line haul missions.

The 416th devoted approximately 3000 man hours in repairing over 30,000 toys in the annual Operation Santa Claus. The unit worked on the project from 13 June 1976 until toys were distributed on 14 December 1976 to 25 communities in the Wiregrass Area. Total estimated value of the toys exceeded \$250,000.

427TH MEDICAL COMPANY

PERSONNEL

Company Commanders for CY 1976 were:

CPT Stephen E. Hackett	16 Jun 1975 - 21 Jun 1976
CPT Bruce Schafer	21 Jun 1975 - Present

Company First Sergeants for CY 1976 were:

SFC Matthew Hutton	23 Jun 1975 - 15 Jun 1976
LSG Konrad A. Gasteiger	15 Jun 1976 - Present

MISSION

To provide medical ambulance support to the United States Army Aviation Center; to provide the capability for ground evacuation of patients in support of U.S. Army contingency missions.

ACCOMPLISHMENTS

The 427th Medical Company participated in Operation Braveshield in October 1976. The unit was continuously exercised during the conduct of the operation and was highly praised for its professional mission accomplishment.

The unit received an excellent rating when evaluated on its contingency mission capability.

123D ORDNANCE DETACHMENT

PERSONNEL

Company Commanders for CY 1976 were:

CPT Roderick N. Ekard	28 Jul 1973 - 15 May 1976
CPT Steven L. Buettner	15 May 1976 - Present

Company First Sergeants for CY 1976 were:

SFC John F. Flynn	3 Jul 1974 - 8 Jul 1976
SFC Raymond O. Funderberg	8 Jul 1976 - Present

MISSION

The mission of the 123rd Ordnance Detachment is to perform final reconnaissance, identification, render safe, recovery, field evaluation, and final disposal of unexploded explosive ordnance.

91ST ENGINEER DETACHMENT

PERSONNEL

Company Commanders for CY 1976 were:

CPT Loel A. Ewart	2 Oct 1975 - 20 Dec 1976
CPT Robert Cannon	20 Dec 1976 - Present

Company First Sergeants for CY 1976 were:

1SG Morris Aldridge	29 Jun 1973 - 1 Mar 1976
1SG Nicholas Gasper	01 Mar 1976 - 13 Aug 1976
1SG Robert D. Olinger	13 Aug 1976 - Present

MISSION

The 91st Engineer Detachment supports the Aviation Center by maintaining two fire trucks continuously at Knox Army Airfield to function as crash rescue units.

US ARMY AVIATION PRECISION DEMONSTRATION TEAM

ORGANIZATION

The unit was organized as a special activity of TRADOC (General Order 16, 15 February 1973). Responsibility for scheduling team appearances was transferred from Department of the Army, Office of the Chief of Information, to Headquarters, US Army Recruiting Command, on 1 July 1974.

MISSION

Assisted US Army personnel procurement and retention efforts by stimulating interest in career opportunities available in the Army. The team contributed to the public understanding of the role of Army aircraft by demonstrating proficiency and versatility in the performance of precision helicopter flight before military and civilian audiences.

PERSONNEL

	<u>Off</u>	<u>WO</u>	<u>EM</u>	<u>Civ</u>	<u>Total</u>
Authorized	5	8	23	1	37
Assigned	4	7	22	1	34

Commander during CY 76:

LTC Benjamin B. Powell, Jr., 2 April 1975 to 30 November 1976 (the USAAPDT was terminated 30 November 1976)

ACCOMPLISHMENTS

Team training commenced on 5 January 1976 and included training of replacement pilots, individual flight proficiency, formation flight, show maneuvers, and physical fitness.

The Silver Eagles officially opened the 1976 show season by performing a dress rehearsal during Fort Rucker's Community Appreciation Days for the Wiregrass area. The show season away from home base began on 21 March 1976 with a show at Warner Robins Air Force Base in Macon, Georgia. A final performance of the Army's flight demonstration team was held 23 November 1976 at Knox Field, Fort Rucker, Alabama.

During the 1976 show season, the Silver Eagles spent 141 days TDY and flew 3,400 flight hours. The team performed seventy-four aerial demonstrations, representing the Army before 3,523,500 spectators in twenty-seven states and Canada.

Team autograph sessions were held following the aerial demonstrations at the "Choice-Not-Chance" recruiting van. Over 500,000 team brochures, press packets, and recruiting posters were distributed to the public. Appearances were also made by team members at high school assemblies, shopping centers, hospitals, and children's homes. The team, as a part of the Army's recruiting program, appeared in forty-eight major publications throughout the United States and Canada. In excess of seventy hours of television and radio time were used to advertise Silver Eagles performances.

The Silver Eagles were disbanded 30 November 1976 due to budgetary and manpower restraints placed on the Department of the Army by the Department of Defense.

FORT RUCKER FIELD OFFICE, THIRD REGION, USACIDC

MISSION

To provide criminal investigative support to Ft Rucker, AL, and all Army elements located within 27 counties in Southern Alabama, 10 counties in Northwestern Florida, and 41 counties in Southern Mississippi.

PERSONNEL

The Ft Rucker Field Office consists of eight Special Agents, an Operations Officer, two military and two civilian administrative support personnel and a Commander. During calendar year 1976, Field Office personnel attended professional development courses and seminars including the Criminal Investigation Supervisor Course 76-2, Identi-Kit Training Course, Homicide Seminar, Basic and Advanced Arson Investigation Conferences and the Florida Institute for Law Enforcement Investigative Management Seminar.

ACCOMPLISHMENTS

During Calendar Year 1976 the Ft Rucker Field Office addressed a total of 746 investigative requirements including the investigation of 195 on post criminal incidents, 12 crime prevention surveys, 31 criminal information reports, 52 polygraph examinations, 100 requests for assistance from other CID elements and the processing of 278 evidence vouchers.

OFFICE OF CIVILIAN PERSONNEL

ACCOMPLISHMENTS

During CY 76 a total of 65 employees retired from Civil Service. Of this number, 38 retired based on disability, 26 were optional retirements, and one was mandatory retirement due to age.

Our civilian strength at the beginning of the year was 2165 GS and 730 WG employees for a total of 2895. After all the turbulence created by reorganizing some departments and reduction-in-force actions effected during the year we closed the year with 2197 GS and 694 WG employees for a total of 2891.

The Position and Pay Management Branch continued to participate in the Civilian Personnel Career Field training program. One TRADOC intern left Fort Rucker to accompany her military husband overseas and was employed in a civilian personnel office in Germany. Two other interns were promoted to the GS-9 level in early July 1976. One of them is now assigned to a Fort Rucker space replacing a retired employee. The other GS-9 intern was transferred to the Position and Pay Management Branch at Fort Benning, accompanying her husband on a military assignment.

The wages of blue collar employees were increased on 3 October 1976 as the result of a telephone wage change survey of the Dothan, Alabama, wage area. The average increases were as follows: \$.2733 per hour or 5.86% for nonsupervisory Wage Grade jobs; \$.3000 per hour or 5.84% for leader, Wage Leader jobs; and \$.4747 per hour or 6.37% for supervisory, Wage Supervisor jobs.

A great deal of turbulence occurred in the civilian position structure as a result of a major reorganization of aviation training activity. Due to the major changes in functional assignments, job descriptions and personnel actions have not yet been finalized, but there is a possibility of a large number of changes to lower grade.

A point of major emphasis from Department of Defense through command channels was the average GS grade reduction program. Because of excellent command support and generally commendable cooperation from most operating officials, Fort Rucker did not exceed the average GS grade goal assigned by TRADOC, although extremely near the goal several times. Recent information has been provided concerning directed reduction by Department of the Army in the number of GS-13 and above positions. It has been advised by TRADOC Headquarters that a rigid average GS grade ceiling with no exceptions will be assigned instead of a goal and that a specific reduction and ceiling will be assigned for GS-13 and above positions.

The Incentive Awards Program paid out a total of \$5,545.00 for suggestions adopted in CY 76. The total dollar savings to the Government was \$113,372.27. Of the 481 suggestions submitted, only 85 were adopted. Mr. Charles D. Hughes received \$910.00 for an adopted suggestion which was the largest suggestion award paid in CY 76. Mr. James A. Woods received the second largest suggestion award in CY 76. He received \$890.00 for his adopted suggestion.

As of the end of December 1976, 450 Outstanding Performance Ratings, 113 Quality Step Increases, 155 Sustained Superior Performance Awards and 6 Special Act or Achievement Awards were approved. Cash awards for Sustained Superior Performance Awards and Special Act or Achievement Awards totaled \$29,950.00.

One Meritorious Civilian Service Award was approved in CY 76. Approval of one other Meritorious Civilian Service Award, by TRADOC, was pending at the end of CY 76.

DIRECTORATE OF COMBAT DEVELOPMENTS

MISSION

Serves as program manager for actions encompassed by the force development/ combat developments process for which the USAAVNC is proponent and insures necessary and effective interface, hand-offs, and integration with USAAVNC training developments, training and training analysis, and evaluation programs and other related actions.

ORGANIZATION

The Directorate of Combat Developments consists of the following organizational elements -- Program Management Office, Test and Evaluation Office, Concepts and Studies Division, Organization Division, and Materiel Systems Division.

PERSONNEL

Colonel Robert L. Sauers was assigned Director of Combat Developments on 26 April 1976.

Katreen S. Vaughan was assigned Chief of the Program Management Office on 13 June 1976.

LTC Luther S. Smith was assigned Chief of the Test and Evaluation Office on 7 July 1975.

Colonel William F. Sullivan was assigned Chief of Concepts and Studies Division on 12 January 1976.

Major Robert H. Vandel was assigned Chief of the Organization Division on 23 June 1976.

Colonel Daniel B. Knight was assigned Chief of the Materiel Systems Division on 8 July 1976.

Authorized strength is as follows:

Officers - 64; Enlisted - 6; and Civilians - 49; for a total of 119.

ACCOMPLISHMENTS

A request for approval to acquire a remote job entry terminal for the Directorate of Combat Developments was submitted to HQ, TRADOC. Approval was granted and the terminal was installed in March 1976. The terminal currently supports the following organizations:

Directorate of Training
Directorate of Training Developments
Directorate of Evaluation/Standardization
US Army Aviation Board

This directorate was tasked by the Chief of Staff in February 1976 to implement the TRADOC Management Information System (TRAMIS) which had been expanded to cover combat developments, training developments, evaluation, training and training support. TRAMIS is a process employing ADP techniques to record, manipulate, and provide information to managers to improve the decision-making process. The USAAVNC was the first installation to enter workload in the system and to begin accumulating manpower expenditure data. Responsibility for the TRAMIS was transferred to the Comptroller on 20 September 1976.

TEST AND EVALUATION OFFICE

ACCOMPLISHMENTS

Prepared the following operational test plans/reports:

Absolute Altimeter, AN/APN-209
Nap of the Earth Communication System
XM-130 Aircraft General Purpose Dispenser
Beacon Locator System
Direct View Optics
2.75" Rocket Smoke Screen Warhead
AN/APR-39 Radar Warning Receiver
AN/TSW-7A Air Traffic Control Tower
Manportable Air Traffic Visual Control Facility
Optical Warning Locator/Detector
Quadrant Laser Warning Receiver
Advanced Radar Warning Receiver
Radar Beacon Set, AN/TRN-30
Hand Held Stabilized Optics of OH-58
2B12B Rotary Wing Instrument Trainer
2B31 CH-47 Synthetic Flight Training System
AN/ARC-115A Radio Set
2.75" Rocket, White Phosphorous Smoke, XM-259
AN/ALQ-144 HOT BRICK
OV-1D Plume Suppressor
AN/ALQ-136 Radar Jammer
AH-1 Low Glare Canopy
Improved Main Rotor Blade, AH-1G
AN/TRN-30 Navigational Beacon Set

Participated in and/or monitored testing/evaluation of the following items of equipment:

- AN/ARC-164, RT 1167 UHF-AM Radio
- Nap of the Earth Communication System
- XM-130 Aircraft General Purpose Dispenser
- 2.75" Rocket Smoke Screen Warhead
- Attack Helicopter Instrumented Test
- AH-1 Low Glare Canopy
- CH-47C Engine Suppressor Infrared Measurement
- Helicopter Mast Mounted Sight
- Lightweight Doppler Navigation System
- Projected Map Display System
- National Microwave Landing System
- VOR/ILS Radio Receivers, AN/ARN-123(V) and R-1963
- Improved Terrain Flight Communications
- Improved UHF-AM Radio, Model CA-6J7
- Aircraft Weapons Handling Vehicle
- AH-1S Flat Plate Canopy

Provided representatives for the following conferences/working groups:

- Combat Developments Experimentation Center Test Program Conference
- USA Training and Doctrine Command User Test Conference
- National Microwave Landing System Test Plan Conference
- XM-130 Aircraft General Purpose Dispenser Program Review
- CH-47 Synthetic Flight Training System and AH-1Q Synthetic Flight Training System Training Course
- Advanced Attack Helicopter/Advanced Scout Helicopter Test Planning Meeting
 - AN/ALQ-147 Test Integration Working Group
 - Nap of the Earth Communications Test Work Group
 - Smoke and Chaff 2.75" FFAR vs XM-42A Test Design Plan Meeting
 - XM-29 Protective Mask In-Process Review
 - Advanced Attack Helicopter Mission Profile Meeting
 - OV-1D Infrared Suppressor System Review
 - Advanced Attack Helicopter Direct/Indirect Sight Test Planning
- Work Group
 - AH-1 Improved Turret and Stores Management Test Schedule Planning
- Meeting
 - Hand Held Stabilized Optics Test Planning Meeting
 - Transponder Set, AN/APX-100 Test Integration Work Group
 - Air to Air Demonstration Firing of Stinger Missile
 - AH-1 Universal Cobra Incremental Development In-Process Review
 - Advanced Attack Helicopter Test Design Plan Meeting
 - CONUS Nav Radios AN/ARN-123 and R-1963 Integrated Test Program
- Meeting
 - GRENADA BOX Conference
 - Test and Evaluation Policy Meeting

Attack Helicopter Instrument Test Conference
Sixth Tri-Service Group Unit Program Review
CH-47 Test Integration Work Group
Advanced Attack Helicopter Failure Definition Scoring Conference
OH-58 Product Improvement Proposal Test Integration Work Group
AN/ALQ-144 HOT BRICK Program Review Meeting
XM-130 Aircraft General Purpose Dispenser Program Review
Quadrant Laser Warning Receiver Test Integration Work Group
OV-1D/RU-1D AN/ALQ-147 HOT BRICK Program Review Meeting
OV-1D Plume Suppressor Final Design Review Meeting
2.75" Rocket Multipurpose Submunition Test Plan Review Meeting
National Microwave Landing System Work Group

Hosted the following conferences/working groups:

Lightweight Launcher for the 2.75" Rocket Test Integration Working Group

Provided input for test plans prepared by other agencies:

National Microwave Landing System
AN/APR-39 Radar Warning Receiver
Target Acquisition Designation System Direct/Indirect Sight
Multipurpose Submunition Warhead

CONCEPTS AND STUDIES DIVISION

ACCOMPLISHMENTS

Proponent Studies:

The Selective Effects Armament Subsystem (SEAS) Cost and Operational Effectiveness Analysis was completed in March 1976.

The HELLFIRE Special Study was completed in May 1976.

The Aviation Requirements for the Combat Structure of the Army (ARCSA III) Study was initiated. The study will be briefed to the Chief of Staff of the Army early in 1977.

The CH-47 Flight Simulator Cost and Training Effectiveness Analysis was initiated in July 1976. Study is scheduled for completion in August 1977.

The AH-1FS Flight Simulator Cost and Training Effectiveness Analysis was initiated in July 1976. Study is scheduled for completion in August 1977.

The Nap-of-the-Earth Communications Study was initiated in December 1976.

The Helicopter Commonality Study was completed.

Provided Aviation Center input to the following actions prepared by other organizations:

- Anti-Armor Systems Program Review
- Utility Tactical Transport Aircraft System
- Special Aviation Resource Management Survey
- Antitank Evaluation
- Suppression of Enemy Air Defense
- Division Restructuring Study
- Red Flag Testing
- Position/Navigation Study
- Concept Paper for Night Operations

Provided representative(s) for the following conferences/work groups:

- Air Force Threat Briefing
- Electronic Warfare Seminar
- SCORES Workshops
- CROSSBOW-S Workshop
- Alaskan Scenario Workshop
- Air Defense Systems Review
- Communications Support Requirements Conference
- Theater Scenarios Workshop
- Threat Seminars
- Weather Joint Working Group
- XV-15 Tilt Rotor Roll-out
- 8th Quadripartite Working Group Position Meeting

Prepared staff studies and concept papers as follows:

- What is the Minimum Weather Criteria for NOE Flight?
- Philosophy of Aviation Maintenance
- Potential applications of the XV-15 Tilt Rotor on Variants thereof to Army Mission Requirements
- Aircrew Staffing Practices Required to Support Around-the-Clock Operations

ORGANIZATION DIVISION

ACCOMPLISHMENTS

Developed, revised or reviewed the following proponent tables of organization and equipment (TOE):

Developed Tentative TOE 1-825T7, Aviation Battalion, Armored Division

Modification of TOE 1-252H, HHC, Combat Aviation Group

Draft Plan TOE 1-500H6, Aviation Operating Teams

Draft Plan TOE 1-222, Reorganized Air Traffic Control Unit

Provided comments on the following non-proponent tables of organization and equipment (TOE):

TOE 6-201H and 6-302H, Addition of Aviation Unit Maintenance

TOE 7-042H, HHC, Inf Div Bde

TOE 6-302H, HHC, Inf Div Arty

TOE 7-78H, Avn GS Co, Cbt Abn Bn, Inf Div

TOE 5-201H, Engineer Command

TOE 6-797H, Target Acquisition Battery, Airmobile Div

Provided Aviation Center input to the following actions prepared by other organizations:

Attack Helicopter Organization Outline

Officer Requirements and Authorizations, RCS GS GPO-367

MACRIT Study Program Schedule Development

Change to Organization Product Development Procedures

FM 1-15, Aviation Reference Data

Division Restructuring Study

Distribution Plan for Standoff Target Acquisition System

Provided Aviation Center requirements for TOE and TDA basis-of-issue/ personnel for the following equipment:

Test Set Receiver, AN/ARM-167

Dispenser, General Purpose Aircraft, XM-130

Training Aid, Skin Decontaminating, M85

Floodlight Set Electric

Air Traffic Control Central, AN/TSW-7A

Airborne Laser Tracker, AN/AAS-32

Compressor, Air Wheel Mounted Diesel Driven

Position Locating Reporting System

Maintenance Platform

Tool Set, Aviation Unit Maintenance, Set 2

Altimeter Set, Electronic, AN/APN-209

Radio Teletype Operator, MOS 05C

Kit, Helmet Sight Assembly

Track Lift Fork; diesel Drive, 10,000 lb.

Radiacmeter IM-85

Charger, Radiac Detector PP-4370

Shop Sets, Aviation Intermediate Maintenance

Generator Sets, Diesel, Gas Turbine

Biological Detector and Warning System

Single Channel Ground and Airborne Radio Subsystem
Copier, Chart/Overlay
Countermeasure Set, AN/ALQ-144
Test Set, Distance Measuring Set
Small Unit Transceiver and Alignment Set
Test Set Receiver AN/ARM-180
Test Set Transponder AN/APM-378
Generator Sets, Diesel, Gas Turbine
Antenna Group OE-254()/GRC
Aircraft Survivability Equipment

MATERIEL SYSTEMS DIVISION

ACCOMPLISHMENTS

Prepared or revised materiel requirements documents for the following items of equipment:

Fire Control, AH-1S and AH-1R Helicopters
External Stores Management, AH-1S and AH-1R Helicopters
Remote Set Fuzing, AH-1S and AH-1R Helicopters
Improved Lighting System for Army Aircraft
Nap of the Earth Communications

Monitored developmental effort on the following equipment:

Utility Tactical Transport Aircraft System
Advanced Scout Helicopter
Target Acquisition and Designation System, Advanced Attack Helicopter
Anti-ice/De-ice Equipment for Helicopters
Multipurpose Submunition 2.75" Warhead
Smoke Screening 2.75" Rocket Warhead
Chaff Dispensing 2.75" Rocket Warhead
Illumination 2.75" Rocket Warhead
Lightweight Launchers, 2.75"
Nickel-Cadmium Battery Charger/Analyzer
Interim Scout Helicopter Product Improvement Program
AH/ALQ-156 Missile Detector System
Night Vision Goggles
Absolute Altimeter
Air Traffic Management System
Tactical Landing System
Helicopter Mounted Laser Weapons System
Lightweight Doppler Navigation System
National Microwave Landing System
Airborne VOR/ILS Radio Sets
AN/ALQ-136 Radar Jammer

Helicopter Point Target Weapon System
Improved MK66(70mm) Rocket Motor
Mast Mounted Sight System
AN/TSW-71A, Air Traffic Control Facility
AN/TSQ-97, Manportable Air Traffic Visual Control Facility
Integrated Avionics Control System

Provided representative(s) for the following conferences/working groups:

Topographic Coordinating Committee
User/Developer Conference
Affordability Priority Program Conference

Hosted the following conferences/meetings:

Counter-Air System Joint Working Group
US Army Aircraft Lighting Committee

US ARMY COMMUNICATIONS COMMAND AGENCY

MISSION

Plans, programs, operates, and maintains communications-electronics systems. Provides air traffic control services to include programing, operating, and maintenance for all military and civil aircraft operating within the Fort Rucker control zone. Provides communications support for host installation emergency operations. Serves as communications-electronics staff officer on the host installation commander's staff. Maintains liaison with the Federal Aviation Administration (FAA). Plans for and furnishes operational support for stagefields as required by the host installation. Operates and maintains MARS Station. Provides onsite backup DS/GS level maintenance for nontactical ATC and Navaid facilities within the area of responsibility of the 7th Signal Command. Provides a DX repair and supply point for nontactical ATC and Navaid items.

PERSONNEL

Commander: LTC Emmett F. Johnson; Deputy Director: Mr. Gerald H. Jones; Sergeant Major: SGM Robert M. Jones; Commander, ATC Navaid Maintenance Division: CPT Robert Bryant; Chief, ARAC Division: Mr. Sam Benton; Chief, Communications Division: Mr. Sam Williams; Commander, ATC Operations Division: CPT Wilby O. Campbell; Commander, Headquarters and Service Company: CPT Geneva E. Curry.

AIR TRAFFIC CONTROL NAVIGATIONAL AIDS MAINTENANCE DIVISION

The Fort Rucker ATC Area Maintenance Facility and Direct Exchange operation were established under the ATC/Navaid Maintenance Division in September 1975. There are three separate distinct functions within their mission:

The Direct Exchange mission is to establish and maintain a stock level of repairable printed circuit boards, pluck out cards and module components of electronic air traffic control equipment for the purpose of making direct exchange of a serviceable item for an unserviceable like item with any organization throughout the United States, Alaska, Hawaii, and Panama Canal Zone with an ATC/Navaid Maintenance mission.

The Direct Exchange repair mission is to maintain and operate necessary repair facilities to restore to like new condition all unserviceable direct exchange items received from outside organizations to be returned to serviceable stock.

The Mobile Maintenance Contact Team provides technical advice and assistance in the forms of written communication, telephonic communications and on-site assistance in resolving any ATC/Navaid maintenance problems that are above the capabilities of local maintenance personnel in any organization throughout the United States, Alaska, Hawaii, and Panama Canal Zone.

ACCOMPLISHMENTS

There were 2222 unserviceable modules received from organizations in the field and 222 new or reconditioned modules shipped for replacements. There were 165 modules repaired and returned to stock and 57 returned to Air Force depot for rebuild. There were 23 on-site maintenance assistance visits made to other Army installations to solve complex maintenance problems. There were numerous advice and assistance type services rendered telephonically to off-post ATC maintenance activities resulting in expedient restoration of ATC/Navaid facilities, improved reliability, and cost reductions throughout the 7th Signal Command.

Personnel from the ATC/Navaid Maintenance Division visited every Army installation throughout USA, Alaska, Hawaii, and Panama Canal Zone to establish contacts with supported organizations and to explain the purpose and procedures of the mission.

The ATC/Navaid Maintenance Division was granted exception to the maintenance procedures and documentations prescribed by TM 38-750 and CCR 750-2 and was authorized to use instead locally devised procedures and forms patterned after the FAA procedures and documentations of ATC/Navaid Maintenance.

ARMY RADAR APPROACH CONTROL DIVISION

ACCOMPLISHMENTS

An assessment of the ARAC Division and its three branches, ARAC, Data Systems, and Central Control Facility, indicates another signal year of progress. The following notable events and accomplishments emphasize the scope of the task of maintaining system configuration in the National Airspace System.

Installed an additional 8K of memory in the ARTS computer. Installed new 20 channel tape recorder to record all inter/intro-facility and air/ground communications.

Installed new FPM-40 ASR/PAR radar.

Installed "radar hand-off" telco line with the FAA's Tallahassee Approach Control.

Developed and implemented the "Fadet-One" standard instrument departure procedure (SID).

Revised all standard instrument departure procedures (SID's).
Revised and/or updated Letters of Agreement with the following ATC facilities:

Troy Air Traffic Control Tower and GCA
Lowe Army Air Traffic Control Tower
Tyndall Air Force Radar Approach Control
Jacksonville Air Route Traffic Control Center
Tallahassee Approach Control (FAA)
Montgomery Approach Control (FAA)
Albany Approach Control (FAA)
Columbus Approach Control (FAA)

Developed and implemented new Letter of Agreement with Hooper Army Air Traffic Control Tower.

The FAA delegated additional airspace along Federal Airway V198 to Cairns ARAC to enable more efficient control of IFR traffic.

Revised Marianna, Florida, instrument approach procedure.

A new Automated Radar Terminal System (ARTS) computer program was site-adapted, tested, and certified for use.

Participated in test and evaluation procedures for providing IFR service to AF TAC aircraft using the Eglin Test Range and operating within the Clear Springs Transition Area.

ARAC's instrument operations count of 147,978, when combined with the co-located Central Control Facility's count of 14,500, indicates that 162,478 military, air carrier, air taxi, and general aviation aircraft received ATC services during the year. Among the distinguished visitors to the ARAC in CY 76 were:

Major General Gerd S. Grombacher
Commanding General
US Army Communications Command
Fort Huachuca, Arizona

Brigadier General Juan Jose Sanchez
Cubal
Spanish Air Force

Major General Homer D. Smith, Jr.
Deputy Chief of Staff for Logistics
US Army Training and Doctrine Command
Fort Monroe, Virginia

Major T.W. Guivarra and
Major C.T. Barnett
Staff Officers for Mobility
Australian Embassy, Wash, D.C.

Brigadier General Kenneth R. Symmes
Deputy Commanding General
US Army Communications Command
Fort Ritchie, Maryland

Major D.C. Deagnon plus Twenty Staff
Members and Students of the Instru-
ment Check Pilot School, Canadian
Forces Base, Winnepeg, Manitoba,
Canada

Brigadier General John S. Blair
Commander, 7th Signal Command
Fort Ritchie, Maryland

Major William J. Grassick
Australian Regular Army

ATC OPERATIONS DIVISION

ACCOMPLISHMENTS

A new control tower was installed at Runkle Army Airfield during the month of February.

During the period 20 March 1976 through 28 June 1976, Shell Army Airfield was in operation in support of Aviation Test Board US Army UTTAS testing.

During the period 26 April 1976 through 7 May 1976, Guthrie Field was in operation in support of the 30th Avn Bn, 449th AHC North Carolina National Guard.

During the period 13 June 1976 through 26 June 1976, Guthrie Field was in operation in support of the 635th AHC Missouri National Guard.

During the period 8 August 1976 through 18 August 1976, Guthrie Field was in operation in support of the 300th AHC Texas National Guard.

On 3 September 1976, SSG Robert E. Blevins, Cairns Army Airfield was credited with an aircraft save.

The equipment to provide limited weather observations was installed in November at Runkle Army Airfield.

During the month of November, Nite Vision operation was implemented at Highbluff Stagefield.

SP5 Kathryn Brushwood was selected as the Fort Rucker Air Traffic Controller of the year.

HEADQUARTERS AND SERVICE COMPANY

PERSONNEL

At 1000 hours on 1 October 1976, 1LT Aiello relinquished command of Headquarters and Service Company to 1LT Geneva E. Curry.

2LT Larry Walker became the Executive Officer 25 March 1976.

SGM Glen Monday retired 31 July 1976 and SGM Robert Jones assumed duties as the USACC Agency SGM on 10 August 1976.

MSG Paul Taylor became Headquarters and Service Company 1SG when 1SG Donald Melton was promoted to SGM and reassigned to Deputy for Combat Developments.

SSG William Edwards was reinstated as an active duty commissioned officer in the rank of Major on 15 December 1976.

PERSONAL ACCOMPLISHMENTS

1LT Curry completed a 3-week commanders' orientation, the first such course held at Fort Rucker.

SP5 Kathryn Brushwood was named TRADOC Air Traffic Controller of the year.

SP4 Susan Baker successfully completed United States Military Academy Preparatory School and moved on to the Military Academy with the class of 1980 as one of the first women admitted directly from the Army.

SSG Richard Bores, SSG Glen Catterton, SSG Samuel Pena, SP5 David Stiffler, SP4 Anthony Jones, PFC James Houston were admitted to Officer Candidate School.

SP5 Lawrence Ferriter, SP5 Gregory Keller, SP4 Phillip Guthrie, SP4 Sandra Beebe, PFC Richard Bartholomew, PV2 Roger Hatcher were admitted to Warrant Officer Candidate School.

Post NCO of the Month: SSG Michael Tinsley, April 1976
SSG John Duale, July 1976

Post Soldier of the Month: SP4 Herbert McCormick, January 1976
SP4 Eddie Mayenschein, May 1976

Tenant Activities Soldier of the Month: SP4 Gloria Nickerson, December 1976

ATHLETICS AND RECREATION

Headquarters and Service Company's intramural softball team was the champion of the Fort Rucker sponsored Bicentennial Softball Tournament. Headquarters and Service Company's intramural golf team (USACC II) was the post champion for the 1976 Intramural Golf Season.

UNITED STATES ARMY LOGISTIC ASSISTANCE OFFICE (DARCOM)

ORGANIZATION

The United States Army Logistic Assistance Office, Fort Rucker, is organized as a single unit including representatives of Headquarters US Army Materiel Development and Readiness Command, colocated with the technical representatives of the various DARCOM Commodity Commands.

The Logistic Assistance Office is assigned to the Commanding General, DARCOM, and operates as part of the Headquarters, DARCOM. In matters directly related to prompt resolution of significant problems, the LAO's communicate directly with the appropriate elements of the DARCOM complex. LAO's are authorized to coordinate and communicate directly with all major Army commands, separate agencies and commands, the Army National Guard, the US Army Reserve, and the Reserve Officers' Training Corps.

MISSION

The mission of the USA Logistic Assistance Office (LAO) is to represent the Commanding General, US Army Materiel Development and Readiness Command (DARCOM) at Fort Rucker and the states of Alabama and Mississippi in all logistic matters of mutual interest; provide a focal point for exchange of logistic intelligence between user activities and Headquarters, DARCOM; and perform liaison activities to foster good customer relations, improve customer service, and assist in resolving major nonroutine problems within the DARCOM area of responsibility.

PERSONNEL

The USA LAO, Fort Rucker, is authorized one officer and two civilians. Field Tech Representatives are assigned by commodity commands when requested by the installation.

Chief - MAJ Richard J. Smith, Jr., TC	Jan - Apr
LTC William A. Stanaland, IN	Apr - Dec
Deputy/Logistic Management Specialist - Mr. Archie L. Gaige, Jr.	Jan - Dec
Secretary - Ms. Rita G. Howard	Jan - Oct
Ms. Jackie G. Griggs	Nov - Dec

Field Technical Representatives:

ARCOM - Mr. Donald C. Evans	Jan - Dec
ECOM - Mr. Donald C. Maier	Jan - Dec

ECOM - Mr. Kenneth R. Royal
TARCOM - Mr. Marcus H. Hillyer
AVSCOM - Mr. Thomas R. Lowe
 Mr. Edsel F. Matthews

Mar - Dec
Jan - Dec
Jan - Jun
Jan - Dec

ACCOMPLISHMENTS

CY 1976 was a period of growth for the LAO. From operations as a single station office in FY 1975 to a regional operation throughout CY 1976. Lines of communication were opened with all US Army activities in our two state area including active Army installations and major headquarters of both the National Guard and Army Reserve. Regular scheduled visits were made to all customers.

The major activity with Reserve forces during the year was in support of the 167th COSCOM, Alabama National Guard, at Camp Shelby for three and a half months, May to August 1976. This unit operated a Major Logistical Control Headquarters for four states' annual training. This was the first major test operation of the latest field support equipment in an extended field environment by any unit. Food Service, all classes of supply, POL, Laundry, Commo (Full Division Size Field Communications), and DS/GS Maintenance operated continually for 90 days without a single training delay. Representatives of the LAO, Fort Rucker, and commodity commands were on hand during the period in a support role.

During the year personnel from the LAO conducted an average of over 60 contacts per week with customers; this included an average of better than 20 actual visits per week. Fort McClellan was visited monthly and Reserve forces an average of every two months. Personnel of the LAO was directly responsible for Cost Avoidance Savings in excess of \$150,000 during CY 1976.

In February 1976 the LAO moved from Building 120 to Building 411, where it is presently colocated in the same building with the DIO, Maintenance Division.

DEFENSE PROPERTY DISPOSAL OFFICE RUCKER

ORGANIZATION

On 12 September 1972 the Assistant Secretary of Defense (Installations and Logistics) announced in Battle Creek, Michigan that the Defense Supply Agency (DSA) was assigned responsibility for worldwide integrated management of the Defense Property Disposal Program and that a major new DSA field agency, the Defense Property Disposal Service (DPDS), was activated; the latter headquartered in Battle Creek, Michigan. On 3 June 1973 one of the major subordinate commands, the Defense Property Disposal Region (DPDR) Memphis, was activated at Memphis, Tennessee. The Defense Property Disposal Office (DPDO) Rucker is a field activity of the Memphis Region. The activity is organized into the following elements:

- Administrative Support
- Documentation
- Property Management
- Reutilization
- Sales Preparation

MISSION

To receive , classify, and store excess and surplus property generated by installation activities; effect disposition of property through reutilization, transfer, donation or sale, and provide advice and technical assistance to the Installation Commander on disposal matters.

PERSONNEL

Authorized personnel staffing is 9 civilians. Key personnel are assigned as follows:

- Chief - Mr. Paul Miller, GS-11
- Property Disposal Specialist - Mr. Ovie A. Wambles, GS-09
- Property Marketing Specialist - Mrs. Loretta Culpepper, GS-07
- Property Utilization Specialist - Vacant, GS-07

During the period there was 1 promotion, 1 personnel loss, and 2 personnel gains.

ACCOMPLISHMENTS

During CY 1976 the activity accomplished the following:

Line Items Received	7,985	Acquisition Cost \$4,035,104
Line Items Disposed of	8,727	Acquisition Cost \$4,244,194

Usable Property Sold, Acquisition Cost	\$1,143,156	Proceeds \$146,332
Sale of Scrap, Net Tons	740	Proceeds \$ 75,464

The emphasis in the disposal program is the reutilization of property by Department of Defense and other authorized agencies. During CY 1976 DPDO-Rucker reutilized \$2,316,114.

The Warner Robins, Georgia Residency was deactivated on 1 October 1976. This action did not impact on the mission of this activity.

Employee awards received during this period included 1 suggestion adopted, 1 Outstanding Performance Award, and 1 Sustained Superior Performance Award.

DETACHMENT 1, HEADQUARTERS 29TH AIR BASE GROUP (ATC) UNITED STATES AIR FORCE

ORGANIZATION

Detachment 1 is a geographically separated unit under operational control of Headquarters Air Training Command, Deputy Chief of Staff/Operations, and attached to Headquarters, 29th Air Base Group, Air Training Command, Craig Air Force Base, Alabama, for administrative support of study personnel. Administrative support is provided permanent party personnel by the 3800th Air Base Wing (Air University), Maxwell Air Force Base, Alabama. The unit is composed of five officers, two enlisted men, and one civilian secretary.

MISSION

The Detachment performs a three-fold mission:

Monitor the overall training provided Air Force officers attending the Initial Entry Rotary Wing (IERW) and the Rotary Wing Qualification (RWQC) Courses.

Provide liaison between Air Force students, the United States Army, and the United States Air Force on matters pertaining to USAF rotary wing training.

Provide administrative assistance and specialized academic instruction to Air Force students.

PERSONNEL

Commander	Lieutenant Colonel Byron W. King, Jr.
Executive Officer	Lieutenant Michael R. Smith
Staff Officers	Captain Philip D. Stinson
	Captain Martin A. Nickerson
	Captain Ronald Vickroy
Personnel Supervisor	Technical Sergeant Bobby O'Steen
Administrative Supervisor	Technical Sergeant James D. Galloway
Secretary	Mrs. Annette Collins

Lieutenant Colonel Byron W. King, Jr. arrived 25 June 1976 and assumed command of Detachment 1 on 30 July 1976. Lieutenant Colonel Lawrence F. Marcum, who had served as commander since 5 December 1973, departed 29 July 1976.

ACCOMPLISHMENTS

The United States Army Aviation Center began training Air Force helicopter pilots in March 1971. Through the end of calendar year 1976, 926 Air Force officers have graduated from the rotary wing courses at Fort Rucker. This total includes 677 graduates of the Initial Entry Rotary Wing (IERW) course and 249 graduates of the Rotary Wing Qualification Course (RWQC).

During 1976 54 Air Force officers earned their wings through the IERW course. In addition, 30 Air Force fixed-wing pilots completed RWQC training.

Detachment 1 staff officers presented over 400 hours of classroom instruction, 162 hours of Synthetic Flight Training System (SFTS) instruction, and monitored over 300 hours of flying training.

OFFICE OF EDUCATION ADVISOR

ORGANIZATION

The Office of Education Advisor functions under the Deputy Commanding General and is responsible for the supervision of the Staff and Faculty Development Division and the Aviation Training Library.

MISSION

Provides professional educational advice to the Commanding General, Deputy Commanding General, the Directors of Training, Developments, Training Developments, and Standardization/Evaluation; supervises subordinate elements and manages the Fort Rucker Education and Training Career Program.

PERSONNEL

Mr. Harry I. Sands, Jr. was reassigned from the Office of Education Advisor to the Staff and Faculty Development Division as its chief when that position was converted from military to civilian on 1 Sep 76.

ACCOMPLISHMENTS

The annual report on the status of the USAAVNC was submitted to the Commission on Educational Institutions (COEI) of the Southern Association of Colleges and Schools (SACS) in August for the purpose of maintaining accreditation. It was reviewed by the Executive Committee of COEI in September who recommended to the Delegate Assembly that USAAVNC accreditation be substantiated for the coming year. The Education Advisor, Mr. Clarence C. Newsom, attended the SACS COEI Annual Conference in Atlanta on 12-16 Dec 76. He represented the USAAVNC as a voting delegate, received the revalidation of accreditation certificate for CY 77 for the USAAVNC and was elected to membership on the Policies Committee of the COEI.

The USAAVNC Education Advisor served as a member of a TRADOC Ad Hoc Committee to review and revise procedures related to the DA Civilian Education and Training Career Field. The committee worked jointly with DA personnel in designing revised forms and procedures to replace DA Form 1559. The project is scheduled for completion in 4th quarter FY 77.

The USAAVNC Education Advisor also served as a member of a TRADOC Ad Hoc Committee to review and condense TRADOC Pam 350-30 into a single volume user's manual. The five member committee of education advisors from TRADOC schools reviewed and rewrote TRADOC Pam 350-30 which is to be published in condensed form either as a regulation or supplementary pamphlet. Publication is scheduled for 3rd quarter FY 77.

Mr. Harry I. Sands served as the Education Advisor's representative to the Aviation Study Group from March through August. The Study Group was tasked with analyzing Aviation Center flight training programs.

STAFF AND FACULTY DEVELOPMENT DIVISION

MISSION

Develops policies and procedures relating to the operation of the academic faculty development program. Conducts and administers faculty development courses including basic and advanced instructor training, training instructor supervisors, Instructional Technology Workshop, and Instructional Systems Development. Supervises operation of that portion of the Faculty Development Program involving formal recognition of instructors' performance.

PERSONNEL

CPT Clint W. Hall, Jr., Chief, Staff and Faculty Development Division, departed Fort Rucker on assignment to Korea on 31 August 1976, Mr. Harry I. Sands, Jr., was appointed Chief, Staff and Faculty Development Division, 1 September 1976.

Three civilian personnel were transferred to other assignments during the year and three new civilians were assigned to the division.

ACCOMPLISHMENTS

Under the reorganization of the Aviation Center, the Staff and Faculty Development Division was relocated under the Deputy for Training Developments in February 1976. At the direction of TRADOC the Staff and Faculty Development Division was established and relocated under the Office of Education Advisor on 1 July 1976.

Ninety-four instructors completed the basic Instructor Training Course during the year, and 152 faculty members received advanced training. USAAVNC Pam 350-10 was revised and published in November 1976.

Mr. Charles Thomley and William Wells attended Criterion Referenced Workshops conducted by Training Management Institute at Fort Monroe to become certified Course Managers for the purpose of conducting Criterion Referenced Workshops at the USAAVNC.

Mr. William Wells served as the Staff and Faculty Development Division representative to the Aviation Study Group during the period March through August.

AVIATION TRAINING LIBRARY

MISSION

The mission of the Aviation Training Library is to support the training programs of the Aviation Center. To accomplish this mission the Library and the Library Committee select, obtain, and organize a wide variety of publications, and perform reference/research assistance for requestors.

PERSONNEL

Chief Librarian - M. L. Durkin, 1959—

The Aviation Training Library was operated by a staff of seven civilian employees, augmented with three worker-trainees. Two worker-trainees were placed in permanent positions during the year.

ACCOMPLISHMENTS

The Library currently reports having 190, 059 items in the collection. Of the 28,000 books held, over 5,000 titles are in the field of aviation. Included in the total figure are 96,000 unclassified documents; 43,563 Army publications, maps, pamphlets and archival papers; and 10,722 periodicals in various forms such as film or bound copies. There are 13,430 audio visual aids.

The Library has cataloged and microfilmed 3,182 documents relating to Army Aviation history and its development and unit histories from the Vietnam Conflict. Beginning with 1976 all issues of the ARMY TIMES are being indexed. This will be a continuing project.

As part of its assistance to the training programs of the Center, the Library presents orientation tours for Warrant Officers and all students, and also individual instruction in use of library facilities. Subject bibliographies and acquisitions lists are published by the Library at regular intervals.

The Library maintains a reasonably comprehensive reference collection of ARs, General Orders, Department of Army Pamphlets, Field Manuals and other military publications. Instructional literature published by the Aviation School/Center from 1953 to date has been organized for reference use.

All non-Army published literature has been reviewed during the year for appropriateness to the training mission and to maintain high library standards to meet accreditation requirements of the Southern Association of Colleges and Schools.

DIRECTORATE OF EVALUATION & STANDARDIZATION

ORGANIZATION

The Office of the Directorate of Evaluation & Standardization is organized into four major elements:

Office of the Director
Flight Standardization Division
Collection Division
Analysis Division

MISSION

Represents the USAAVNC as proponent agent for United States Army Flight Standardization and acts as an extension of the Office of the Deputy Chief of Staff for Operations, Department of the Army, to monitor and evaluate Army-wide implementation of the Flight Standardization Program. Collects and analyzes training effectiveness data as relates to unit, resident and non-resident training programs, and provides feedback to the training and combat developments processes.

The Office of the Director serves as principal staff assistant to the Commanding General, USAAVNC, and the Deputy Chief of Staff for Operations and Plans, Department of the Army, in implementing the United States Army Aviation Flight Standardization and the USAAVNC Training Analysis and Evaluation Programs; serves as a member of the installation Program Budget Advisory Committee (PBAC) and the Installation Planning Board; serves as Program Director for Standardization funds; advises Department of the Army on the status of the United States Army Aviation Flight Standardization Program; develops program/budget submissions, formal budget review data, and monthly financial management reports. The Administrative Branch provides internal administrative and supply services; advises the Director on personnel and manpower matters; formulates policies and procedures related to administrative functions; coordinates internal management improvement, work measurement, work simplifications, reports control, and forms control; prepares estimates of requirements for supplies and TDY for the operating budget; prepares, maintains, and updates personnel information rosters and strength reports; establishes and monitors publication accounts, coordinates requirements for, and issues regulations to all internal elements and coordinates all areas of personnel management and administration.

The Flight Standardization Division advises the Director of Evaluation and Standardization on matters pertaining to the United States Army Aviation Standardization Program; recommends general policy guidance for the Army Aviation Standardization Program; provides standardization input

and prepares replies to recommended changes to DA Flight publications; provides technical input to the Aviation Digest on a continuous basis; prepares Standardization Communication (STACOM) items for publication in the USAAVS Flight FAX; develops input to the Fort Rucker Aviation Standardization Board; assists in the development of Synthetic Flight Training Systems (SFTS) and prepares results from field evaluations of type classified SFTS for submission to proponent agencies; monitors and prepares replies to inquiries concerning the Army Aviation Standardization Program; coordinates with appropriate agencies on flight techniques and procedures which affect aviation standardization publications of the Army Aviation Standardization Program; reviews for technical accuracy, content and standardization non-proponent literature such as Training Manuals, Training Circulars, Flight Training Guides, Operator's Manuals and Checklists and other doctrinal publications; researches, develops, coordinates, reviews and revises Army Aviation Regulations 95-1 and 95-63; evaluates flight training standardization within USAAVNC; conducts detailed flight test and evaluation of proposed and/or established flight training maneuvers to insure that maneuver analysis is thorough, complete and adequate to the training environment; evaluates the effectiveness of individual, unit, resident and non-resident flight training programs; provides assistance and recommendations for improved quality control and overall training effectiveness and conducts standardization evaluation/assistance visits to selected National Guard and Reserve Component installations and to US Army installations and commands worldwide.

The Collection Division collects information relating to individual proficiency and unit performance in the field; compiles results of in-course examinations, ARTEP, Skill Qualification Tests (SQT), and other evaluative surveys/tests and provides results to appropriate agencies; maintains a data base concerning the use of exported training materials; distributes individual training plan input/feedback data to appropriate agencies; writes and administers evaluative tests, survey instruments, and questionnaires to be used in evaluating both individual and unit performance in the field; (this is in addition to SQT's and ARTEP's, Tech Lessons, and in-course examinations); conducts a graduate questionnaire program for placement and followup IAW Standard XII of Commission on Occupational Education Institutions; collects data on validity of systems engineered criterion statements; collects statistical data on USAAVNC training; collects evaluative data through on-site visits to active Army units, Reserve units, and training activities; monitors through on-site spot checks the administration of SQT's and ARTEP's; compiles statistics concerning the Army Aviation Flight Standardization Program; processes requests for USAAVNC equivalency orders and qualification orders for IP's/SIP's completing USAAVNC courses of instruction; maintains a master file on all Army IP's/SIP's; evaluates performance records of IP's/SIP's to determine requirements for evaluation IAW AR 95-63; computes class performance analysis upon completion of each stage of flight training; compiles attrition report for all courses by stage or phase of training; provides instructor and SIP

performance analysis on request; collects results from the Aviation Annual Written Examination; maintains record file copy of all USAAVNC examinations; evaluates the administration of selected USAAVNC examinations; evaluates selective academic classes and flight briefings; prepares, distributes, collects, and evaluates critique booklets for all USAAVNC courses; performs those functions specified in Phase V (Internal and External Evaluations) of the ISD model, TRADOC Pamphlet 350-30; briefs all incoming officer and warrant officer classes on examination, flight grading system, and end-of-course critiques; distributes end-of-course critique materials to officer, warrant officer, and enlisted students.

The Analysis Division develops policies and procedures for evaluating and improving training; designs analytical tests and experiments to determine effectiveness of proponent training; analyzes the results of SQT's, ARTEP's, on-site visits, and overseas Commander's Reports to determine the effectiveness of resident and exported training using Operation Research Systems Analysis (ORSA), Cost Operational Effective Analysis (COEA), and Cost Training Effective Analysis (CTEA) techniques; analyzes results of tests, survey instruments, and questionnaires to be used in evaluating both individual and unit performance in the field; (this is in addition to SQT's and ARTEP's, Tech Lessons, and in-course examinations); monitors COEA in selection of media and devices; evaluates during development stages selected course examinations, SQT's and ARTEP's; conducts random sampling of comprehension checks and progress evaluations included in Training Extension Courses (TEC) and other training support materials; provides evaluation and analysis results to Combat Developments, Training Developments, and Department of the Army Readiness Command (DARCOM); maintains liaison with education and training communities, military and civilian; analyzes results of five-year graduate follow-up program of USAAVNC graduates IAW Standard XII of Commission on Occupational Educational Institutions; analyzes attrition data on all USAAVNC courses for input to the Commander's Progress Review and Service School Training report; analyzes results of the Aviation Annual Written Examination; analyzes statistical data on USAAVNC training; establishes, in coordination with Management Information Systems Office, the data processing techniques for analysis of end-of-course critiques, graduate questionnaires, and academic and flight examination scores; performs those functions specified in Phase V (Internal and External Evaluation) of the ISD Model, TRADOC Pamphlet 350-30.

PERSONNEL

Colonel Clement A. Wyllie assumed the duty as Director on 25 August 1975.

Lieutenant Colonel Sylvan D. Hoyem assumed the duty as Assistant Director on 5 January 1976. His predecessor in the position was Lieutenant Colonel Lawrence D. Pierce, who transferred to Directorate of Training on 4 January 1976.

Lieutenant Colonel Robert K. Wright assumed the Duty as Chief, Flight Standardization Division, on 22 September 1975.

Lieutenant Colonel Patrick J. Kelly assumed the duty as Chief, Collection Division, on 1 April 1976.

Captain Jerry L. Chandler assumed the duty as Chief, Analysis Division, on 2 February 1976.

Total personnel authorization for the Directorate of Evaluation & Standardization as of 31 December 1976 is: 15 officers, 23 warrant officers, 8 enlisted, and 23 civilians.

ACCOMPLISHMENTS

During CY 1976 the Directorate of Evaluation and Standardization performed over 560 flight and academic evaluations at the Aviation Center, participated in 24 evaluation visits, 41 assistance visits, 17 augmentation visits, 4 ARTEP's and conducted 8 seminars consisting of 3,585 man-days. During these visits, the Directorate of Evaluation and Standardization completed over 1,000 flight evaluations. Within CONUS, visits included FORSCOM and TRADOC installations and National Guard and Army Reserve units in over 28 states. Outside CONUS visits included Alaska, Canal Zone, Germany, Hawaii, Japan, and Korea. In addition to assistance visits and flight evaluations, SIP's were detailed to other departments for approximately 400 man-days and completed 37 new qualifications with in-house training of over 1,500 hours. One SIP was TDY to Iran for 6 months. During CY 1976 final drafts of AR 95-1 and AR 95-63 were completed and submitted to DA for approval and subsequent distribution worldwide. Standardization support for the development and fielding of Synthetic Flight Training Systems (SFTS) was provided throughout CY 76. In this regard, Flight Standardization Division personnel provided technical expertise and operator representation in the development of devices 2B34, 2B31, 2B33, 2B38, and 2B12A and B systems. A total of 9 trips were made in support of SFTS development for a total of 126 man-days. Flight Standardization Division headed two New Equipment Training Teams (NETT) for the 2B24 and provided representatives for field acceptance of these devices at Fort Lewis, Washington, and Hawaii. A worldwide inadvertent instrument meteorological conditions (IMC) policy was established and a model inadvertent IMC plan was provided to all major commands in October 1976. Standardization Communication (STACOM) articles, a monthly feature in the USAAAVS Flight FAX publication, was initiated in February 1976. These articles are based on observations made by SIP's on field evaluations and questions or suggestions received by the Flight Standardization Division. Five SIP's completed an internal training program in the use of Night Vision Goggles (AN/PVS-5) and began qualifying other SIP's in their operation. The Directorate of Evaluation and Standardization also conducted an evaluation of the UH-1 Helicopter Course to determine the effectiveness of training. This evaluation was initiated

as a result of feedback from field units and because of lack of aircraft availability for DES evaluation teams when they arrived in field units. Graduates of the repair course were tested in two groups using a UH-1 Daily Inspection Performance Test. One group consisted of students tested immediately after graduation with the second group tested at their home stations--approximately three months after graduation. It is estimated the report and resulting recommendations will be completed on or about 15 February 1977. Additionally, the School Course Critique was extended to all enlisted courses at Fort Rucker. Personnel from the Directorate attended the DA Aviation Standardization Policy Board meeting, the TRADOC Flight Standardization Board Conference, and 4 command aviation standardization conferences during CY 76. CY 1976 was an accident free year for the Directorate of Evaluation and Standardization.

DIRECTORATE OF FACILITIES ENGINEERING

ORGANIZATION

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

- Administrative Office
- Engineering Plans and Services Division
- Engineering Resources Management Division
- Environmental Office
- Supply-Storage Division
- Buildings and Grounds Division
- Fire Prevention and Protection Division
- Utilities Division

MISSION

Directs installation engineering projects and services; master planning and construction; execution, inspection, supervision and acceptance of engineering contracts, real estate acquisition, management and disposal; construction contract proposals and specifications; operation and maintenance of utilities, maintenance and/or repair of real property and facilities; minor construction, fire prevention and protection; supply and storage of items peculiar to DFAE maintenance and construction functions; maintenance of installed property. Monitors all aspects of the National Environmental laws, executive orders, and regulations concerning environmental quality as pertains to Fort Rucker.

PERSONNEL

Director: LTC Jasper K. Champion
Deputy Director: Mr. Frank O. White

ENGINEERING PLANS AND SERVICES DIVISION

ACCOMPLISHMENTS

Contract for improvements to Barracks 4506, 4507 and 4509 was completed in January 1976, at a cost of \$1,700,000. Contract for Upgrading Stage-fields was completed in October 1976 at a cost of \$306,000. Barracks 4301 and 30501 were modernized in 1976 at a cost of \$850,000. This project was completed in October 1976. Aviation Fuel Storage capability was increased by 50,000 gallons with completion of a project in July 1976 at a cost of \$300,000. An energy conservation project consisting of ceiling insulation of miscellaneous buildings on post was completed in August at a cost of \$119,000.

A new Medical Barracks was begun in 1975 which will provide 143 living spaces. This facility is expected to be completed in January 1977 at a cost of \$1,235,000. A contract for construction of an Instrument Trainer Building was also begun in 1975 and is expected to be completed in January 1977 at a cost of \$1,655,000. A project for major rehabilitation of the electrical distribution system was begun in 1976 and completion scheduled for December 1978 at a cost of \$4,100,000.

During the period 1 January through 31 December 1976, 108 minor construction and maintenance contracts costing \$2,328,100 were completed.

These are further enumerated as follows:

<u>TYPE</u>	<u>NUMBER</u>	<u>COST</u>
OMA	60	\$1,200,500
USAR	16	88,000
CLASS II	13	145,800
FAMILY HOUSING	19	<u>893,800</u>
	TOTAL	\$2,328,100

Construction was a major activity at Fort Rucker throughout 1976. There was a grand total of \$12,593,100 in construction underway at Fort Rucker and USAR Centers in Southern Alabama and Mississippi during 1976.

ENVIRONMENTAL OFFICE

Three full-time civilian positions were filled in the Environmental Protection Office in CY 1976. Prior to filling these positions, the office was staffed with military personnel ranging in number from one to six, with frequent personnel changeovers. There are presently no military personnel in the Environmental Protection Office. In addition to the three civilians on board, there are two recognized positions but funds are not available to fill them.

Approximately 60 Environmental Impact Assessments were written by various activities at Fort Rucker in CY 1976. With TRADOC's assistance, the Installation On-Going Mission Environmental Impact Statement has been written in rough draft form and is presently being typed for internal coordination at the Installation.

A USAAVNC Supplement to AR 200-1, "Environmental Protection and Enhancement," was written by this office in CY 1976. This supplement gives specifics and assigns responsibilities for Environmental Protection and Enhancement at the Installation. The document has received coordination by all activities concerned and Chief of Staff approval and presently is in the process of being published for distribution.

National Pollution Discharge Elimination System (NPDES) Permit Applications were submitted to the Environmental Protection Agency (EPA) for all 24 US Army Reserve Centers under Fort Rucker purview in CY 1976. EPA determined that of the 24 USAR Centers, 15 were in full compliance with EPA requirements and 9 will require monitoring of vehicle wash rack effluent to begin 1 July 1977.

An Annual Status Report on Environmental Programs and Activities for Fort Rucker was submitted to TRADOC the latter part of CY 1976. This was a complete account of the accomplishments of this office and the Installation in the environmental area in CY 1976.

SUPPLY-STORAGE DIVISION

ACCOMPLISHMENTS

During CY 76 supplies were purchased through the Army Stock Fund with total value of \$1,735,180.00. During the same period the sales totaled \$1,660,648.00. The difference of \$74,532.00 was due to increase in stockage caused by recomputation of the requisitioning objectives. This shows an increase of over \$300,000.00 in business in comparison with last year.

BUILDINGS AND GROUNDS DIVISION

ACCOMPLISHMENTS

Since Hurricane Eloise in September 1975, nine (9) contracts have been let and completed for sale of storm damaged timber. A total of 26,182 board feet of sawtimber and 32,210 cords of pulpwood was sold for \$2,059,347, as compared to previous average yearly sales of \$269,000. Forest conditions at the present time are that the trees and stands remaining have an undetermined amount of damage such as root spring and broken tops. The forest is still highly susceptible to insects, excessive water, wind and fire.

Three wooden structure bridges were replaced with precast concrete and steel piling bridges, two on Andrews Avenue and one on Engineer Road, at a total cost of \$291,869.

A much needed contract was let and completed to replace deteriorated cross ties and realign tracks on 6.7 miles of railroads, total cost \$86,885.

A contract was let and completed for resurfacing 75,000 SY of runways, taxiways, and hover area at Knox Field for a total of \$146,540.

A contract for resurfacing 99,825 SY of runways, taxiways, and hover area at Hatch Stagefield was completed for a total of \$173,909.

FIRE PREVENTION AND PROTECTION

ACCOMPLISHMENTS

The Fort Rucker Fire Department conducted 10,503 on-post fire inspections during 1976. The Fire Department responded to four calls from local communities for assistance in extinguishing fires (an increase of one from last year).

During 1976 there were 7,445 personnel who attended 101 classes and demonstrations emphasizing what action to take in the event of fire, including prevention measures and use of fire extinguishers. Major emphasis was placed on fire prevention during Spring Clean-Up Week in March and National Fire Prevention Week in October.

The Fort Rucker Fire Department was awarded 16th place in its entry in the National Fire Prevention Contest.

Twenty-three fires occurred during 1976. Army dollar loss resulting from these fires amounted to \$11,461 (a decrease of \$17,259 from last year.) Eight (four structural, three military vehicle, and one woods) of the fires were reportable to higher headquarters.

During 1976 a rescue vehicle was put in service by the Fort Rucker Fire Department. This vehicle operates out of Fire Station One. The vehicle is equipped to perform basic life support functions, forcible entry, and rescue. Firefighter personnel assigned to the vehicle are licensed Intermediate Emergency Medical Technicians (EMT). Since personnel assigned to the vehicle are highly qualified, Lyster Army Hospital medical staff recommended that a coronary care machine, (ECG, monitor, defibrillation equipment) be produced for the rescue truck. A request for authorization to purchase the equipment has been submitted to TRADOC for TDA approval.

UTILITIES DIVISION

ACCOMPLISHMENTS

A contract is in progress to upgrade the electrical distribution system. When completed in December of 1978, Fort Rucker will receive electrical energy @ 110,000 volts and have three load distribution centers. This system will enable us to buy electricity at a reduced rate and also reduce the electrical line losses.

A request for a computer controlled energy conservation system has been submitted through channels to Congress for consideration during January 1977 target year is FY 78. This system which is to cost \$1,250,000 will reduce energy and manpower requirements and have a payback period of 3.8 years.

A system for burning solid waste is in the planning stage. The basic concept is to adapt the boilers located in Building 8795 to burn refuse and wood fibrous products. This project will greatly reduce the sanitary landfill operation and take advantage of waste paper and wood debris as a source of fuel. Fort Rucker will realize an energy cost avoidance (natural gas purchase reduction) of over \$200,000 yearly. Estimated payback for this project is 2.73 years.

The used motor and crankcase oil recycle program has continued to be an important energy resource. The boiler plant section burned 35,775 gallons of reclaimed oil. This oil came from facilities on post, from Dothan, Enterprise, Daleville and from near Brundidge. This represents a gross savings of some 35,775 gallons, 35¢ a gallon or \$12,500. Costs to realize this saving is about four manhours/week.

Major repairs were made to the primary and final settling basin equipment at the Post Sewage Plant. These repairs were accomplished utilizing in-house personnel. These repairs have resulted in Fort Rucker being in a better position to meet the requirements of the Environmental Protection Agency discharge criteria.

DIRECTORATE INDUSTRIAL OPERATIONS

ORGANIZATION

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

- Supply & Services Division
- Procurement Division
- Transportation Division
- Maintenance Division
- Housing Division
- Aircraft Logistics Management 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 material 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 GAITHER C. BRAY

The following military personnel assignments were made:

LTC Jerry W. Manley	Ch, Supply & Service Div	Nov 76
SGM Arno O.T. Goerski	DIO Sergeant Major	Jun 76

SUPPLY AND SERVICES DIVISION

ACCOMPLISHMENTS

On 1 March 1976 Services Division was consolidated with Supply Division. Elements of Services Division, in addition to TDA Property, Fuels Surveillance and Oils Lab, became Services Branch.

On 16 March 1976 the troop issue portion of the commissary was transferred to Property Control Branch, Supply and Services Division. The Consolidated Supply Officer was appointed as the Troop Issue Subsistence Officer. Troop Issue personnel involved in functions relative to the maintenance of accountable records were merged with the Materiel Management Section which maintains records on other commodity groups. The storage portion of troop issue functions was merged into the Storage and Issue Section under supervisory control of the storage officer, Property Control Branch. Transfer of troop issue functions from the Commissary Officer to Consolidated Supply has caused no impact or adverse conditions on logistical support of subsistence supplies.

On 1 April 1976 the Commissary was transferred from Services Division and became operative under the direction of TSA, Fort Lee, Virginia.

Two KP contracts were let in 1976. On 1 April 1976 Americal Janitorial Services of Georgia was awarded a contract for a bid price of \$252,000. Due to nonperformance of specifications in the contract, the contract was defaulted on 21 June 1976. A new contract was written and sent out to bidders. On 1 October 1976 the new contract was awarded to Space Services, Inc., of Georgia, at a bid price of \$331,114. The price for meals under this contract is 30¢ per meal served, and the contractor is performing in a satisfactory manner.

A Clothing Sales Store Annex was operated at Camp Shelby, Mississippi, during the period 20 May through 31 July 1976. This annex provided support for 34,498 reserve personnel attending active duty training during this period. A total of 7,499 customers made actual purchases from the annex amounting to \$59,474.38 in sales. A total of 374 line items were stocked in the Clothing Sales Store Annex.

The Army Oil Analysis Program was transferred on 1 July 1976 from the US Army Test Board to Supply and Services Division. The laboratory was established in 1961. It is presently staffed with three civilian and five military personnel.

As a result of a CITF review dated 2 April 1976, it was determined that it would be advantageous to the government to provide laundry service by a commercial contractor. On 2 September 1976 a government owned/contractor operated (GOCO) contract was awarded to Crown Laundry, Pensacola, Florida. The Post Army Laundry, under contract operations, currently employs approximately 30 personnel. Total estimated cost of the FY 77 contract is \$1,000,000.

Mr. Herbert A. Horner was hired on 14 September 1976 as Installation Food Advisor. The position had been vacant since February 1976 when Mr. John V. Wood retired. Improvements made in the food service area during 1976 were in the area of new equipment. The amount of money spent totaled \$46,897 for items such as beverage dispensers, food warming cabinets, ice cream cabinets, steak char-broilers, food cutting and mixing machines, can openers, and dishwashing machines.

During 1976, 67 each Dodge Commercial Type 1½ ton vehicles were received at the installation to replace tactical type vehicles in active Army TOE units. These commercial vehicles replaced the M715 and M725 fleet of trucks and ambulances. This action is expected to make it easier to keep the vehicle fleet operational due to more readily available repair parts support. Commercial construction equipment (CCE) items such as tractors, cranes, scoop loaders, semi-trailers, rollers and asphalt distributors were received for 46th Engineer Battalion as replacement of older tactical type equipment. Repair parts support should be more readily available.

The Supply and Services Division supported the installation in 1976 by hand receipting for, and maintaining, 46 temporary buildings and associated equipment which were in turn provided to Reserve, National Guard, and active duty units satellited on Fort Rucker for training. In addition, billets were made available for numerous military affiliated and civilian organizations invited to Fort Rucker. The Installation Support presently has capabilities for supporting 1400 troops at one time.

PROCUREMENT DIVISION

MISSION

Plans, directs, and is responsible for executing all activities of the central purchasing and contracting office supporting the USAAVNC, satellited agencies and installations to include utilities and communication services.

PERSONNEL

Arrivals:

Ms. Diana F. Butler, TRADOC Intern, arrived 18 Oct 76.
Mr. Ronald E. Howell, TRADOC Intern, arrived 1 Nov 76.

Departures:

Mr. Albert P. Smollen, Contract Price Analyst, retired on 21 Sep 76.
Mr. Billy B. Newton, Contract Specialist, departed on 28 Nov 76.

ACCOMPLISHMENTS

Mandatory procurement training received continued emphasis to improve the overall technical competency of careerists and cost effectiveness of procurement support. A total of 17 mandatory courses were completed by correspondence, equivalency tests, constructive credit, and resident method of instruction.

Advanced procurement planning received continued emphasis to spread procurement workload throughout the fiscal year and to minimize a heavy year-end workload. An expanded Advance Procurement Plan was distributed to all activities. Contract techniques outlining definite methods to spread recurring procurement workload throughout the fiscal year was also included to assist requiring activities.

Final cost settlement was negotiated with Northrop Worldwide Aircraft Services, Inc. (NWASI) on 5 February for disputed cost factors associated with the FY 73 and FY 74 contracts. Contract DABT01-76-C0374 was awarded to Northrop Worldwide Aircraft Services, Inc. on 16 September. This contract consolidated the aircraft maintenance requirements of the US Army Test and Evaluation Command cost plus award fee contract (DAAD05-72-C0366) with Hawthorne Aviation, and the US Army Aviation Center cost plus incentive fee contract (DABT01-76-C-0015) with NWASI. This contract consolidation was an effort to reduce management overhead; establish a single TC Air Items supply account; simplify coordination and maintenance

support of two aviation test boards; and merger of two Union locals of the International Association of Machinists and Aerospace Workers. Consolidation of the contracts involved DA approval; Small Business Administration clearance; GAO protest resolution; Freedom of Information Act rulings; and Congressional meetings. Additionally, a Union agreement was approved on 16 December between NWASI and the International Association of Machinists and Aerospace Workers, AFL-CIO Local 2003, Daleville, AL, for the period 16 December 1976 to 4 February 1979. This Union Agreement resulted in a single local for all aircraft maintenance contract employees.

Contract DABT01-77-C-0004 was awarded to TRANSCO Security on 3 September. This was the first competitive year after four years under the Small Business Action Section 8(a) Sub-Contracting Program. Administrative actions involved five separate GAO protests; three mistakes in bid; small size determination and appeal; Freedom of Information Act data; and Federal District Court injunctions and temporary restraining orders. These actions were ongoing from April to October 1976.

Contract DABT01-77-C-0005 was awarded to Crown Laundry and Dry Cleaning Service on 13 September. This contract includes organizational, medical, price-rate, and payroll deduction services. This is a government owned/contractor operated laundry. This contract involved TRADOC approval and conversion of Commercial Industrial Type Functions (CITF) function code S708 to a contract operation.

MAINTENANCE DIVISION

ACCOMPLISHMENTS

Logistical support for world-wide flight simulators was implemented at Fort Rucker during CY 76. Support parts and equipment to be shipped are inspected and certified by Quality Assurance personnel, Training Devices Branch, Maintenance Division, prior to shipment to insure proper packaging and accountability.

Aircraft Training System Support Branch's support of the Army Aviation Museum included: CH-347 assembled and painted, and P2-V repaired and painted. This activity also restored and painted the UH-1 helicopter used at the Daleville Gate Display, and modified six (6) UH-1 helicopters for Nap-of-the-Earth trainers for use by Maintenance Training Division.

During CY 76 personnel of Maintenance Division and Management Information System Office, through a coordinated effort were able to develop a computer report identifying the length of time equipment on work order had been awaiting repair parts. This report allows Maintenance Division to identify and follow-up on requisitions, to expedite repair parts, and provide better repair service.

Three major items of equipment have been procured and installed in the Maintenance Division during CY 76. They are a Radiator Flow Tester, Drying units for Spray Paint Booth, and an Engine Rebuild Test Stand. Installation of the Radiator Flow Tester allows us to measure the gravity flow rate of the radiator by maintaining the water level constant in the upper tank while gravity force drains the radiator through the bottom outlet neck. The flow rate is compared to the manufacturer's specification and the percentage of restricted flow is accurately determined with this machine, making it virtually impossible for a defective radiator to go undetected.

Installation of the Quartz Tube Drying Unit within the spray paint booth allows us to surface dry as well as to penetrate the paint and dry down to the base metal. This unit reduces drying time per vehicle by as much as 60%, and will dry light or dark colors with equal speed. This means that painting of vehicles can be accomplished during any weather condition thereby increasing our efficiency.

Installation of the Engine Rebuild Test Stand allowed this division to overhaul 73 engines (1/4-ton to 10-ton) with a saving of 292 manhours.

Management of Communications and Electronics Branch, Maintenance Division, has implemented designated hours for turn-in and pick-up of equipment for repair/calibration. This allows equipment to be processed in an efficient, controllable manner, while increasing the efficiency of personnel, and the control and accountability of items in the shop. Therefore, items can be processed without interruption by customer requirements before 0930 hours and after 1445 hours.

HOUSING DIVISION

ACCOMPLISHMENTS

During CY 76 the Family Housing Branch terminated and assigned 2,030 sets of quarters, a 15% increase from CY 75. This represents a turnover rate of 67% as opposed to a 58% rate in CY 75.

Average occupancy rate for all family housing units for the year was 98.9%.

Of 2,277 persons eligible for off-post housing assistance reporting to Housing Referral Office for assistance, 2,197 persons requested assistance and 2,011 were housed as a result of HRO assistance. Approximately 60 additional bachelor personnel were processed.

One fire damaged unit was repaired and returned to the family housing inventory during CY 76.

The Housing Referral Office listed an additional 190 off-post housing units as being available on a nondiscriminatory basis.

The geographical areas within the family housing were subdivided and increased from three to sixteen.

Draperies and wall-to-wall carpeting were purchased in November 1976 for Quarters 45, Red Cloud Road.

A contract was awarded in May 1976 to replace kitchen countertops and sinks in Bowden Terrace and Munson Heights.

A contract was awarded in May 1976 for exterior painting and replacement of deteriorated wood in Bowden Terrace.

A contract was awarded in June 1976 to replace gas furnaces in Allen Heights and Bowden Terrace.

A contract was awarded in June 1976 to replace natural gas laterals in Bowden Terrace and Munson Heights.

Two contracts were awarded in June 1976 to replace kitchen floor covering in all housing areas.

A contract was awarded in June 1976 to install spot water meters in all housing areas.

A contract was awarded in June 1976 to replace painted air diffusers and to enlarge and replace return air grilles in all housing areas.

A contract was awarded in June 1976 to replace screen doors in all housing areas.

A contract was awarded in June 1976 to replace electrical distribution breaker switches on primary lines in all housing areas.

A contract was awarded in September 1976 to repair sidewalks, curbs, gutters, and driveway approaches in all housing areas.

A contract was awarded in September 1976 to replace kitchen countertops and sinks in all housing areas.

A contract was awarded in September 1976 to repair manholes in all housing areas.

A contract was awarded in September 1976 to replace thermostats in all housing areas.

A contract was awarded in September 1976 to replace water laterals in Allen Heights.

A contract was awarded in September 1976 to construct walkways from patios to carports in Munson Heights.

A contract was awarded in September 1976 to resurface streets and apply a coal tar seal coat on driveways in all housing areas.

An interim change to AR 210-50 consolidating all E-4 members with over two years service into Priority 2 assignment category was received 17 September 1976 and was implemented effective 19 September 1976.

The average occupancy rate for 1976 in the BOQ system is as follows:
BOQ - 85%; SEBQ - 75%; Total Average - 84%.

One space in BOQ Building 308 was diverted to administrative use.

BOQ/SEBQ hours of operation were changed in December 1976 from a 24 hour, 7 day a week schedule to the following:
Weekdays - 0600 to 2000; Weekends - 1400 to 2200; Holidays - Closed.

AIRCRAFT LOGISTICS MANAGEMENT DIVISION

ACCOMPLISHMENTS

Two OV-1D aircraft instrument panels were converted from the "TAPE" instruments to the round "Dial" type instruments.

Additional evaluation of aircraft cockpit lighting was conducted on UH-1, and additional controls of light intensities greatly enhanced the use of the AN/PVS-5 Night Vision Goggles as they are used in conjunction with NOE night training.

Fleetwide modification of the TH-55 tail rotor system was accomplished to incorporate the new conical bearing and teetering stop. This modification was necessary to reduce axial wear and play, and to minimize tail rotor vibration.

In CY 76 teflon coated radius rings were evaluated to alleviate wear of radius ring and reduce grip seal leakage of the UH-1 main rotor hub. As a follow-on to determine feasibility of another surface, nickle tungsten treated radius rings were evaluated. No appreciable advantage over the teflon coated radius rings was noted; therefore, it was discontinued.

In conjunction with the US Army Air Mobility Research and Development Laboratory, Fort Eustis, Virginia, an oil debris monitoring program was conducted. Special filtration and chip plugs were installed in engines and transmissions in selected UH-1s and special monitoring of oil sampling was accomplished to determine if better filtration of lubricants would protect and thereby extend the service life and reliability of oil wetted components.

A recurring experience of nickle cadmium battery failures due to thermal conditions prompted the study of the nineteen cell standard battery. Concurrence was given to test thirty batteries, modified to a twenty cell configuration, to determine reliability under the usage concept in the Fort Rucker training environment.

Recurring problems with the TH-55 engine exhaust guides sticking and resulting in in-flight engine failures prompted an evaluation of increasing valve guide clearance providing it had no detrimental effect on engine reliability/operation.

In conjunction with US Army Air Mobility Research and Development Laboratory, Fort Eustis, Virginia, and Technology, Incorporated, Instrument and Control Division of Dayton, Ohio, instrumentation was installed in a UH-1H to record various airframe stresses during NOE operations.

Special mounted accelerometers and potentiometers are used to record the airframe stresses which will be evaluated to provide future flight training and operations envelopes, and flight restrictions, if necessary.

In conjunction with Bell Helicopter and US Army Aviation Systems Command, St. Louis, a test was begun to install a "Mast Plug" in the upper end of the UH-1 main rotor mast. This plug had raised bosses to reinforce the main rotor mast in the area where the main rotor hub "bumps" the mast to prevent possible indentation and forming of a stress riser that would result in mast failure in flight. To date, the test appears favorable enough that Bell is anticipating production of plugs to install in masts until such time as a thicker wall mast becomes available.

In conjunction with AVSCOM, and Bell Helicopter Co, six sets of AH-1/TH-1 "Training Landing Gear" were sent to Fort Rucker to be used in a training environment. Three sets were installed and three sets held in reserve for back-up. After 5,831 total landings with no failures, the other three sets were installed and the only failures experienced were with the "Improved Skid Shoes." Thirty-six sets of these were received to support the six sets of "Training Landing Gear" for continued use in the training program.

In the interim period flexane filled crosstubes for Cobra landing gear were continued in service (see CY 75 report). Serviceability of the flexane filled tubes was such that during a reported 125,949 landings, only six failures occurred, and three of these were a result of hard landings. Also, X-ray intervals were extended from 100 hour to 200 hour intervals.

As a result of the merger of the two maintenance contracts Northrop supply received \$433,000 of funded repair parts and \$2,116,000 of unfunded repair parts from ADTA.

On 1 October 1976 a 32% increase in the price of AVSCOM repair parts occurred. The 32% consisted of a 25% inflation factor and a 7% surcharge.

The removal of the T-41 from the Ft Rucker inventory has created an excess of \$96,000.00 worth of T-41 commercial parts. Disposition instructions have been requested from TRADOC.

The Aircraft Logistics Management Division coordinated the transfer of 141 aircraft onto and away from Ft Rucker during the calendar year. These transfers include aircraft reassignments to depots, National Guard and Reserve units, and other installations. They also include aircraft gains from depots and other installations. Primarily as a result of these transfers the following changes in the U.S. Army Aviation Center inventory occurred during 1976.

<u>ACFT</u>	<u>Asgd 31 Dec 75</u>	<u>Asgd 31 Dec 76</u>	<u>Change</u>
U-8	2	2	0
U-21	3	3	0
OV-1	4	6	+ 2
T-41	3	0	- 3
T-42	11	11	0
YC-7A	2	2	0
CH-47	10	11	+ 1
UH-1M	6	6	0
UH-1H	156	181	+25
OH-6	2	2	0
CH-54	2	2	0
OH-58	8	11	+ 3
TH-55	158	150	- 8
TH-1G	12	13	+ 1
AH-1Q	4	0	- 4
AH-1S	<u>0</u>	<u>4</u>	<u>+ 4</u>
	383	404	+21

PLANS BRANCH

ACCOMPLISHMENTS

The Energy Conservation Office functioned from this facility as overseer of several major steps resulting in notable monetary savings.

All plans have continually been reCOORDINATED, maintained in simplest form, and amended when/where appropriate. Alert posters of every element were maintained and updated with personnel changes.

138 reports of survey were processed. The total value of losses were \$97,479.03. Pecuniary liability was approved on 7 reports of survey at \$2,415.00.

An estimated total in annual savings of \$336.27 resulted from the Energy Conservation Suggestion and Award Program.

72 Command Supply Discipline Officers are appointed at Fort Rucker.

INSPECTOR GENERAL

ORGANIZATION

The office of the Inspector General was organized into three elements:

Inspector General
Inspections Branch
Inspector General Action Request Branch

MISSION

The mission of the Inspector General is to 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 Johnny A. Phillips, Center Inspector General, retired in August

LTC Charles E. Parker, Jr., was assigned in August as the Center

Inspector General

MAJ Marquis D. Howell, Assistant Inspector General, departed in December

ACCOMPLISHMENTS

During the 1976 calendar year general inspections were conducted as follows:

Headquarters, USAAVNC Troop Brigade, and four battalion headquarters;

Twenty-four company sized inspections;

Inspection of major Center Directorates/Activities to include:

Deputy for Standardization, DPCA, Directorate of Combat Developments,

Directorate of Training Developments, and the Directorate of Training;

Ten inspections of other activities to include the Office of Civilian

Personnel, the Finance and Accounting Division, the Nonappropriated

Fund Service Center, the Chaplains' Fund, the Wildlife Association,

the Riding Club, the Parachute Club, the Flying Club, Visitors' Bureau

Billeting Fund, and the Silver Eagles.

During calendar year 1976 approximately 204 Inspector General Action Requests were received and resolved by personnel of the Inspector General's Office.

MANAGEMENT INFORMATION SYSTEMS OFFICE

MISSION

The Management Information Systems Office is responsible for all planning, development, and operation at the USAAVNC.

PERSONNEL

LTC John R. Griffin serves as Chief of MISO. Current manpower authorization of the organization is 55 civilian and 11 military. These include four slots funded by training resources for dedicated training ADP support. Two spaces provided and funded by TRADOC for ADP Career Interns were withdrawn. One remaining space will be returned to TRADOC upon completion of training requirements of the incumbent.

Mr. H. L. "Red" Chandler, Deputy MISO and Computer Systems Administrator for several years, retired due to disability in July 1976. During his tenure ADP capability at Fort Rucker evolved from a punch card oriented system to the present third generation random access systems. He played a major role in the increase of ADP support at Fort Rucker while achieving large reductions in operating costs. A successor has not yet been named.

ACCOMPLISHMENTS

A long-term study to determine the feasibility and cost effectiveness of a Computer Output Microform (COM) system in lieu of hard copy printed reports culminated in approval action. A large number of voluminous multi-part printed reports will be replaced by microfiche. One microfiche, approximately four by six inches in size, can contain the equivalent of a 269-page printed report, at a 48:1 reduction ratio. In addition to the many other benefits of a COM system, large savings in paper costs are anticipated. Planned implementation of the new system is scheduled for 1 March 1977.

Conversion from conventional key punch method of data reduction to a new key to disk to tape (KDT) system was begun in June 1976 in the MISO data reduction facility. The output from the KDT is recorded on magnetic tape and may be input to the affected ADP system at speeds up to 60,000 characters per second. Keying speed is increased, errors reduced, punched cards eliminated, and vital statistics by operator are produced from the system. Other areas will be investigated to determine the cost effectiveness of the new KDT concept.

A performance evaluation of the MISO DPI was conducted by US Army Computer Systems Support and Evaluation Agency in January-February 1976. Purpose of the evaluation was to determine operational efficiency and possible improvements in ADPE utilization. Results of the evaluation have been utilized in effecting certain improvements. The continuing increase in the ADP workload requires that maximum efficiency be realized from resources expended.

ADP security and protection of privacy data are topics of concern at all levels of government. In an effort to effect improvements in these critical areas, a security system has been requested which should reduce vulnerability to unauthorized access to restricted locations within MISO. It is anticipated that the system will be installed during 1977.

SYSTEMS ANALYSIS AND PROGRAMING BRANCH

The Standard FORSCOM/TRADOC Weapons Management Improvement Program (WMIP) was implemented in March 1976 and replaced the local reporting programs. The system provides accounting and reporting of small arms ownership by serial number with an interface to US Army Armament Command (ARMCOM) files.

The Standard Army Civilian Payroll System (STARCIPS) was implemented in July 1976 in an Operating System Environment and replaced the existing system which was established as a Standard Third Army System.

An Army Uniform Data Inquiry Technique System (AUDIT) was implemented in May 1976. It is a standard Army multicommand management information system used as a generalized data inquiry application. Although developed by the US Army Audit Agency, it has been made available to all Data Processing Installations utilizing the US Army Computer Systems Command System Software for general retrieval purposes.

The vehicle registration functions of the Law Enforcement Reporting System (LERS), one of five sub-systems of the Standard Army Military Police Management Information System (MPMIS), was implemented in September 1976, replacing a local registration system.

A new Health Services Command Standard Medical Supply System (MEDSTOC) was implemented in November 1976 to support the US Army Aeromedical Center.

ADP support for nonappropriated fund activities was expanded by assuming the responsibility from conversion of a CDC 3300 system to IBM 360 OS in support of the Finance and Accounting Center, Fort Benjamin Harrison, Indiana. When completed, the system will be converted to a disk operating system, extended for standard use, and maintained by US Army Computer Systems Command.

All local unique systems were maintained and changes to DA/MACOM and Health Services Command Standard Systems were implemented as directed. Standard systems maintenance included the reporting of 129 incident and/or system change requests and the implementation of 172 Emergency Urgent Change Packages and System Change Packages.

AVIATION SYSTEMS DEVELOPMENT BRANCH

The Aviation Management Information System (AVMIS) extension has made significant progress during 1976. Additions to this system include support in the management of aviator minimums, interface with the medical system to provide aviator flight status data, and refinement of flight hour accounting to produce more meaningful management data.

MACHINE OPERATIONS BRANCH

The continuing increase in ADP workload resulting from new and expanding systems can be directly correlated to increases in ADPE operational time. In 1975 the average monthly hours of processing time for the two 360/50 IBM computers operated was 2,928 compared to 3,288 during 1976.

A new air conditioning and humidity control system was installed in the MISO computer room during late summer. The system, designed especially for computer operating environments, is expected to be very beneficial in maintaining ideal temperature and humidity levels. The factors are extremely critical in assuring maximum performance of sensitive ADPE.

ARNG MULTI-MEDIA GROUP

ORGANIZATION

The ARNG Multi-Media Group is under the operational control of the Chief, ARNG Aviation Division, National Guard Bureau, and the military control of Headquarters, Alabama National Guard. Logistical and administrative support is provided by the USP&FO for Alabama.

MISSION

Manage, coordinate, and monitor the planning and administration of all multi-media instructional systems and devices for Army National Guard Aviation. Provide multi-media support for 66 Army Aviation Support Facilities, 13 Army Aviation Flight Activities, 4 Transportation Aircraft Repair Shops and the office of the Chief, Aviation Division, NGB.

PERSONNEL

The ARNG Multi-Media Group is authorized six National Guard technicians.

Manager	Capt Kenneth O. Boley
Training Specialist	CW2 William W. Shawn
Media Specialist	SP5 Jules M. Hobbie
Illustrator	SP6 Ronald G. Swihart
Supply Specialist	SGT Mary J. Bower
Secretary	SGT Janet M. Cahow

ACCOMPLISHMENTS

The ARNG Multi-Media Group was organized to support the individual aviator proficiency training program throughout the Army National Guard. MMG develops packaged programs utilizing all available multi-media material in the Army system and supplements the training program by producing media material for ARNG peculiar requirements not available through any other source. The media programs are distributed to 83 ARNG Learning Centers established at each ARNG Aviation Support Facility.

During CY 76 the Multi-Media Group made great strides in the areas of individual aviator proficiency training and aviation safety. In concert with TRADOC and FORSCOM, MMG developed a color videotape version of the Nap-of-the-Earth ground school, produced by Fort Rucker, for all ARNG Flight Activities. Numerous audiovisual presentations were formulated and distributed in support of the ARNG's instrument flight training program. In addition, MMG developed and distributed a 20-hour tape ground school for CH-54 and CH-47 aircraft. MMG assisted the aviation safety program by developing a videotape presentation in conjunction with

USAAAVS, featuring CPT Charles F. Nowlin, that has been adopted Army wide. Every ARNG fixed and rotary wing aircraft has been provided safety briefing folders devised by MMG to assist in the prevention of aviation accidents.

A Quarterly Newsletter that is mailed to all supported facilities was adopted in CY 76 along with a complete Media Handbook on the proper utilization of visual aids.

UNITED STATES ARMY AVIATION MUSEUM

ACCOMPLISHMENTS

The Museum had 87,639 visitors during the Calendar Year 1976. A total of 180 groups consisting of public school children, college students, high school and college ROTC, 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 1976 total 307, ranging from small personal items to complete aircraft. Some of the more notable items acquired were:

CH-47A Helicopter, Fly-By-Wire System, donated by the Boeing-Vertol Company

Link Trainer, BIT-45, donated by Link Division of the Singer Company

Two Aerial Armored Reconnaissance Vehicles (AARV), donated by the Sikorsky Aircraft Company

T-41B Mescalero, transferred from Aviation Systems Command US Army, St. Louis, Missouri

XH-51 Lockheed Rigid Rotor Helicopter, donated by the Lockheed Aircraft Company

Personnel at the Museum constructed an audience-participation Bicentennial display of questions and answers entitled "Historic Sites Around Fort Rucker." This display which is exhibited in the lobby of the Museum includes Coffee, Dale, and Houston counties.

The Museum transferred a surplus L-19 aircraft to the Fort Eustis Transportation Museum.

The 376th Transportation Company (Aircraft General Support), Knox Army Heliport, is undertaking restoration of a UH-1A and a U-6 aircraft for the Museum.

The Museum collection now consists of 48 rotary wing and 34 fixed wing aircraft, along with hundreds of other items of Army aviation memorabilia valued at approximately 35 million dollars.

WARRANT OFFICER CANDIDATE HALL OF FAME MUSEUM

MISSION

Collects, preserves, records, restores, and exhibits items which tell the story of the United States Army Warrant Officer. Provides Department of the Army repository for items of historical significance to the US Army Warrant Officer. Provides a training aid in warrant officer history for student/instructor motivation and esprit-de-corps. Creates a lasting consciousness of the history of the US Army Warrant Officer to the visiting public.

PERSONNEL

Museum Directors: CPT Jerry E. White, 15 Dec 75 - 7 Jul 76
CPT Paul N. Young, 8 Jul 76 to Present

Chief Curator: MSG James W. Scott, 15 Dec 75 to Present

ACCOMPLISHMENTS

The WOC Museum received 20 historical items and 98 accessions of historically related and other properties during CY 76. The number of visitors to the WOC Museum totaled 757 representing 38 states, including Alaska, and two foreign countries, Belgium and West Germany. Two tour groups visited the museum. They were the SROTC Cadets from Tuskegee Institute, Tuskegee, Alabama and the fifth grade class from the Newton, Alabama, school system.

225 square feet of additional indoor display area was opened to the public and the "WOC Graveyard" was prepared for public display. The "Blue Room" and public use facility were redecorated. The Southeast Asia Memorial was relocated and redecorated. Construction included: a "WOC Hall of Fame" display; a pool for the "WOC Flights Fountain"; a pool for the "Three Swallows Fountain"; a gazebo for the Memorial Garden; an office; and an Archives Room.

DIRECTORATE PERSONNEL AND COMMUNITY ACTIVITIES/SECRETARY

ORGANIZATION

The Directorate of Personnel and Community Activities consists of the following subdivisions:

- Personnel Services Division
 - Morale Support Fund
 - Education Branch
 - Post Exchange
 - Fort Rucker Dependents Schools
 - The American National Red Cross
- Army Community Services
 - Office, Accident Prevention (Safety)
 - Aircraft Accident Investigation Board
 - Noncommissioned Officer's Open Mess
 - Fort Rucker Officers' Open Mess
- Human Relations Division
- Adjutant General Division
- Recreational Services Division
- Alcohol/Drug Abuse Division
- Provost Marshal Division
- Intelligence Division
- Chaplain Division

PERSONNEL

Colonel James Humphrys was the director of DPCA/Secretary until his retirement on 30 June 1976.

COL Daniel B. Plyler became the director on 1 July 1976.

LTC Smith, Deputy Director, retired on 31 October 1976.

LTC Abbott became deputy director 17 December 1976.

OFFICE, ACCIDENT PREVENTION (SAFETY)

ORGANIZATION

The Office, Accident Prevention (Safety) remained under staff supervision of DPCA. The operational control of the aircraft accident prevention element was transferred from the Chief of Staff to DPCA.

ACCOMPLISHMENTS

Accident rates for the past two fiscal years were:

	<u>FY 75</u>	<u>FY 76</u>
Army aircraft accidents per 100,000 hours flown	6.45	7.32
Army motor vehicle accidents per 1,000,000 miles driven	2.31	2.45
Military fatalities per 1,000,000 man-days experienced	1.45	7.51
Military disabling injuries per 1,000,000 man-days experience	17.72	11.12
Army civilian disabling injuries per 1,000,000 man-hours experience	2.50	4.14

ADJUTANT GENERAL DIVISION

ORGANIZATION

The Adjutant General Division is organized into the following branches:

- Consolidated Military Personnel Activity (COMPACT)
- Administrative Services Branch
- Reenlistment Branch
- Retirement Services Branch

MISSION

Advise and assist the Director of Personnel and Community Activities on all personnel and administrative service matters.

PERSONNEL

LTC Dan M. Janutolo served as Adjutant General from June 1974 until his retirement on 30 September 1976.

Major Kenneth C. Bowden was assigned as Chief, COMPACT in July 1976 replacing Major Kenneth G. Boegler who departed PCS on 15 July 1976. Upon the retirement of LTC Janutolo, Major Bowden assumed the position of Adjutant General and has served in both capacities from 1 October 1976 to the present.

ACCOMPLISHMENTS

During the period 3 through 6 May 1976 the AG Division participated in an XVIII Airborne Corps and Fort Bragg Emergency Deployment Readiness Exercise for the 416th Transportation Company (Med Trk Petrl), Fort Rucker, Alabama. The 416th Transportation Company was alerted and required to prepare the entire unit for deployment. This required 100 percent processing of the unit by elements of the AG Division to determine deployability of existing personnel assigned to the unit. Required filler personnel were obtained from local resources, if available, or emergency requisitions were submitted where required. POR processing began at 1200 hours, 3 May 1976 and was completed within the time frame. The unit required six filler personnel who were provided from their parent organization, the 46th Engineer Battalion, to meet the required deployable strength. The XVIII Airborne Corps Evaluation Team indicated that POR Team was well organized and efficient; and served the needs of the unit and the objectives of the exercise in an outstanding manner.

The Personnel Actions Section dispatched approximately 400 letters to members of Congress, VFW, American Legion, VA, and the news media advising them of the scope and responsibility of Fort Rucker's Casualty Unit to deceased active duty, retired, and veteran personnel.

On 21 August 1976, the Retirement Services Office conducted the installations's annual Open House for the Army retired community residing within Fort Rucker's area of responsibility. The function was attended by 136 Army retirees and 128 family members. Major General James C. Smith, the Commanding General, gave the welcoming address, presented a briefing on "Update of the Army," then answered questions from the audience. Keynote speaker was Colonel C. J. Bobinski, Director of Personal Affairs, The Adjutant General Center, Washington, D. C. Also participating in this event were the Director of Personnel and Community Activities; the Post Dental Surgeon; the Adjutant General; chairmen and members of Fort Rucker's retiree councils; and representatives of the following military and civilian agencies: Office of the Staff Judge Advocate; US Lyster Army Community Services; Commissary; Post Exchange; Veterans' Administration, Montgomery; Social Security Administration, Dothan; Alabama Employment Commission, Ozark; and Army Mutual Aid Association, Arlington, Virginia. At the conclusion of the Open House, Colonel Daniel B. Plyler, Director of Personnel and Community Activities, gave the farewell address on behalf of the Commanding General.

During the period 26 July through 6 August 1976 the Adjutant General Division hosted the 833d Personnel Service Company (PSC) (USAR) during their annual training. The purpose of the training was to provide the 833d personnel with actual job experience such as the unit would be expected to perform if called to active duty. The major goal of the on-the-job training was to familiarize the members with SIDPERS procedures and to train them in a COMPACT environment. The annual training was considered highly successful by the Commander and other key personnel of the 83d PSC and by the Adjutant General and his staff.

AIRCRAFT ACCIDENT INVESTIGATION BOARD

ACCOMPLISHMENTS

During calendar year 1976 the USAAVNC Aircraft Accident Investigation Board investigated seven accidents for the U. S. Army Aviation Center, one for the U. S. Army Aircraft Development Test Activity, one for the U. S. Army Agency for Aviation Safety, one for the U. S. Army Precision Demonstration Team, one for the 24th Infantry Division, one for the Health Services Command, and one incident for the U. S. Army Aeromedical Research Laboratory. The combined total estimated cost of repairs for the aircraft involved was \$1,112,194.85. No fatalities were involved.

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

ALCOHOL/DRUG ABUSE DIVISION

ORGANIZATION

The Alcohol/Drug Abuse Program was begun at Fort Rucker in September 1971 as a part of the Human Relations Division. The Alcohol and Drug Abuse Program became a separate Division under Directorate, Personnel and Community Activities/Secretary in November 1973.

PERSONNEL

CPT Thomas H. Carter assumed command of the Division as Alcohol/Drug Control Officer from MAJ Bobby L. Bates in February 1976 and remained in that position throughout the year. The staff has suffered the losses of its Civilian Program Coordinator and Educational Coordinator. In addition, the Bio-Chemical Testing Team was reduced from an assigned strength of three to one person. At the present time SP4 Noah Lamb performs the duties of Education Coordinator and Urinalysis Testing.

ACCOMPLISHMENTS

The educational program transmits creditable information about alcohol and other drug abuse and associated problems. Throughout 1976 numerous out-reach programs were presented by members of the staff. During the year 3370 persons outside the military family were reached. These programs were presented to local schools, civic clubs, scouts, churches, and other activities in the local area.

The Halfway House for live-in clients continued to remain closed during 1976. The Prevention and Control Team continued to run a 2-week rehabilitation program where the clients report to the Division at 0730 hours and remain until 1615 hours daily. The client is counseled and educated on drug or alcohol abuse in group and individual sessions. Only one change was made in 1976. There is a 2-week break between each 2-week rehabilitation period in order to allow Social Service Assistants more time to perform other duties, i.e., individual counseling sessions, military training for units, etc. The Prevention & Control Team worked with 424 military personnel in 1976.

Random urinalysis testing was eliminated in 1976. Other facets of testing such as command directed, client testing, etc., are still in effect.

CENTER CHAPLAIN

MISSION

Provide a program of public worship, religious education, counseling, and pastoral care to the total military population served by Fort Rucker, including dependents, retired personnel, and authorized civilians.

PERSONNEL

The following military assignments were made:

Departures:

Chaplain (LTC) John P. Barbernitz was assigned to Panama and departed in July 1976.

Chaplain (LTC) Harvey J. Mills was assigned to Germany and departed in November 1976.

Chaplain (MAJ) Alexander M. Mason, Jr., was assigned to USACHCS, Fort Wadsworth, NY.

Chaplain (CPT) Nicholas T. Woods was assigned to Hawaii and departed in June 1976.

Chaplain (CPT) Leroy C. Rittenback was assigned to Yale Newhaven Medical Center, Newhaven, CN.

Arrivals:

Chaplain (LTC) Leland S. Buckner was assigned in August 1976 as the Family Life Enrichment Center Chaplain.

Chaplain (CPT) Louis L. Schmit was assigned in May 1976 as the Drug Team/Hospital Chaplain.

Chaplain (CPT) James N. Brown was assigned in June 1976 as the 46th Engineer Battalion Chaplain.

Chaplain (CPT) John W. Brinsfield, Jr., was assigned in September 1976 as the USAAVNC Instructor Chaplain.

Chaplain (CPT) Stephen H. Thomason was assigned in September 1976 as the Assistant Brigade Chaplain.

ACCOMPLISHMENTS

The birthday of the late Dr. Martin Luther King, Jr., was observed with a Service of Tribute in Headquarters Place Chapel on 15 January 1976 at 1100 hours. Rev. Jesse F. McCloud, pastor of John's Chapel AME Church, Enterprise, Alabama, was the speaker and BG Robert A. Holloman, III, presided. Civilian and military personnel numbering 135 took part in the service.

The Annual National Prayer Breakfast was conducted at the Fort Rucker Officers' Open Mess at 0630 hours, 29 January 1976. There were 342 in attendance. The featured speaker was Chaplain (COL) Albert F. Ledebuhr, TRADOC Staff Chaplain.

A Kids Crusade was conducted in the chapel of Flags on 15-16 February 1976. Lynn and Becky Wickstrom of Loveland, Colorado, delighted the eyes and ears of children and adults with their puppets, ventriloquism, chalk art, magic, illustrated songs and stories. The Wickstroms were able, with great skill, to use these varied audio and visual teaching aids to illustrate and teach the vital truths of the word of God in a manner that all in attendance could understand. There were 976 people in attendance at the three services.

A church Music Workshop was held at Fort Rucker, Alabama, on 21-22 March 1976. Mrs. Emily Remington of Augusta, Georgia, Mrs. Rowen A. Renn and Miss Porter Remington of Atlanta, Georgia, were the resource leaders.

Lenten Services were conducted at the Chapel of Flags each Thursday evening at 1900 hours from 4 March through 15 April 1976. Lenten Services were conducted at 1200 hours Monday through Friday at Headquarters Place Chapel from 3 March through 16 April 1976.

Andre Kole presented his World of Illusion on Thursday, 25 March 1976, at Post Theater at 1830 hours. There were upwards to 900 people in attendance.

Bishop John L. May, Bishop of the Mobile Diocese, administered the Sacrament of Confirmation to 48 young men and women of the Continuing Christian Development Program at the CCD Mass on 28 March 1976 at the Fort Rucker Elementary School with an attendance of 800 people.

The Protestant Women of the Chapel held their annual Good Friday Prayer Breakfast production at the Fort Rucker Officers' Club for the Fort Rucker and neighboring civilian communities. Upwards of 300 persons attended.

The Easter Sunrise Service was conducted on 18 April 1976 at Flyer Field and was attended by 1200 persons. Bishop Carl J. Sanders, United Methodist Bishop, Alabama-West Florida Conference, was the featured speaker.

The PWOC Mother and Daughter Banquet was held on Monday, 10 May 1976, at the Daleville Inn Restaurant. There were 55 people in attendance.

The Protestant Youth of the Chapel had a dinner honoring the graduating seniors at the Boll Weevil Inn, Enterprise, Alabama, on 6 June 1976.

A Catholic Summer Camp for children in grades 6-8 was conducted 2-6 June 1976 at Blue Lake Assembly, Andalusia, Alabama. Sixteen resource people including nine Catholic Sisters and one Seminarian, led 70 young people through the retreat.

A Protestant Summer Camp was conducted at Blue Lake during 2-6 June 1976. Mr. Reynolds, the Protestant Director of Religious Education, and six other resource people led 32 children grades 6-8 through a memorable five-day retreat.

A Catholic Summer Day Camp for grades pre-kindergarten through 5th was held at Fort Rucker Religious Education Center for 95 children with 20 persons teaching and assisting in the program.

A Protestant Vacation Bible School Workshop was conducted 7-11 June by Mr. Reynolds, Protestant Director of Religious Education. The attending teachers and workers were trained to conduct a meaningful VBS.

On 27 June 1976 a Catholic Parish Farewell Picnic was given for Chaplain (LTC) John P. Barbernitz after five years at Fort Rucker, Alabama. The picnic began with a Eucharist Celebration for 225 persons. In all 325 people attended including persons of neighboring Catholic parishes.

There was a special Catholic Bicentennial Liturgy on 4 July 1976 at the 1000 and 1200 hour Masses at the Fifth Avenue Chapel. The Liturgy was highlighted with traditional American patriotic music, presentation of flags and documents of freedom, and symbolic gifts presentation with Honor Guard Ceremonial by the 4th Degree Knights of Columbus. There were 394 parishoners in attendance. Following these events, a social on the chapel lawn was sponsored by the Ladies Guild.

The Quarterly Prayer Breakfast was conducted on 13 August 1976 at Consolidated Dining Facility II with Paul Anderson, who is billed as the "World's Strongest Man," as the guest speaker. Approximately 300 were in attendance.

Evangelist Anis Shorrosh was the featured speaker for the Protestant Youth of the Chapel at 1930 hours on 28 August 1976 at Chapel of the Flags. There were 129 young people in attendance.

The Bethel Series, an intensive Bible Study of the New Testament, was started on 8 September 1976 and is held each Wednesday from 1930-2100 hours. There are forty people enrolled in the class. Chaplain (LTC) Alfred T. Forrest led the study.

The Protestant Women of the Chapel held their Fall Rally on Monday, 20 September 1976, at 0930 hours in the Chapel of the Flags. Mrs. Barbara Fain was the featured speaker. There were 73 women in attendance.

The Catholic Continuing Christian Development Program began on 12 September 1976 at the Fort Rucker Elementary School with a record of 401 students from grades pre-school through senior high school and 103 teachers, assistants, and helpers.

The Family Life Enrichment Center officially opened on 1 October 1976 with Chaplain (LTC) Leland S. Buckner as Director. Preceding the opening of the Center, a workshop on Stress Counseling with the various helping agencies participating was conducted. The programs provided by the Family Life Enrichment Center are pre-marital counseling, family enrichment workshops, marriage enrichment workshops, communication workshops, family counseling, marital counseling, and individual counseling.

An off-post International Center for Learning Workshop was held on 29-30 October 1976 at Dothan, Alabama. Twenty-two Protestant Sunday School teachers and staff attended the workshop.

The Protestant Women of the Chapel held their Annual Retreat at Camp Victory, Samson, Alabama, on 5-7 November 1976. Mrs. Jeanette Locerbie, the editor of Psychology for Living, led the retreat.

A Protestant Preaching Mission designed to promote a greater Christian commitment among the Protestant community was conducted on 19-21 November 1976. Dr. Milton Jones, Professor of Homiletics at Western Conservative Baptist Seminary, Portland, Oregon, was the featured speaker.

The annual Feast of Christ the King Pageant was conducted in the Post Elementary School on 24 November 1976 at 1000 hours. There were 700 members of the Catholic Parish who participated.

The Catholic Ladies Guild hosted "The Annual Ecumenical Brunch" on 3 December 1976 at the NCO Club. The Protestant Women of the Chapel were the guests of the Ladies Guild. "The Coming of Jesus," a one-act play, was presented. There were 125 people in attendance. BG B. L. Harrison gave the Commanding General's Message and Chaplain (LTC) Capistran J. Haas gave the invocation before the brunch.

The Chief of Chaplains, Chaplain (MG) Orris E. Kelly, visited Fort Rucker 4-7 December 1976. He was the guest speaker for an aviator graduation class.

The Annual Protestant Christmas Eve Candlelight Service was conducted on 24 December 1976 at the Chapel of the Flags, 1800 and 2000 hours. There were 340 people in attendance.

A Catholic Christmas Mass was celebrated in Vietnamese, Latin, and English at 1900 hours on 24 December 1976 at the Fifth Avenue Chapel. There were 337 in attendance at this event which was highlighted by the singing of traditional Vietnamese hymns and chants by the many displaced Vietnamese people from neighboring communities.

On 27-30 December 1976 Rev. William Kelly led the CYO Retreat with 30 participating.

The Protestant Youth of the Chapel held their retreat at Blue Lake Assembly led by Mr. Louie Reynolds and SP4 Gerald N. Caskey with 20 in attendance.

The Off-Post Religious Retreat Program continued to be a major religious emphasis during 1976, with 14 retreats conducted at Blue Lake Assembly, Andalusia, Alabama, and one retreat conducted at Camp Victory, Samson, Alabama.

ARMY COMMUNITY SERVICES

ORGANIZATION

Army Community Service. In November ACS was placed within the Directorate, Personnel and Community Activities.

MISSION

To provide information and referral services, and assistance and guidance to military personnel and their dependents in meeting personal and family problems.

PERSONNEL

Captain Carl W. Biersack was assigned in February as Army Emergency Relief Officer replacing Captain Thomas H. Carter.

Mr. Edward L. Aylesworth was assigned in March as ACS Officer for the retiring Mr. Stanley B. Littleton.

Mrs. Lois Turner was appointed in May as Volunteer Supervisor replacing Mrs. Vivian Westrich.

LTC Jesse E. Felter was assigned in August as Chief, Army Community Service replacing LTC Bobbie G. Pedigo.

SP5 Graylin S. White was assigned in August as NCOIC replacing SSG Wallace S. Jennings.

ASSOMPLISHMENTS

Fort Rucker Army Community Service remained the largest of the 137 ACS Volunteer Associations in the U.S. Army with a monthly average of 200 adult volunteers and an additional 20 teenage volunteers. These volunteers worked 18,768 hours and provided 68,147 separate services.

The Fort Rucker Army Community Service sponsored 20 programs and committees.

ACS provided newly assigned personnel and 654 of 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.

The International Citizenship Committee assisted 23 persons in securing their citizenship through a 9-week class.

Army Emergency Relief provided assistance to servicemen and their dependents this year in the amount of \$53,075.00.

The Budget Counseling and Debt Reduction Program assisted a total of 41 persons of which 22 are still active. Total indebtedness managed exceeded \$300,000.

The Office of Consumer Affairs handled 31 cases involving problems and differences of opinion between military personnel and the business community.

The Social Work Section of ACS handled over 605 cases involving direct service to servicemen and their dependents and provided consultative and referral services in over 286 others.

ACS conducted and coordinated a Thanksgiving and Christmas food program serving 185 families identified as needing such assistance.

The ACS Family Assistance Council provided \$2,183.55 in grants to servicemen and their dependents experiencing financial emergencies where all other resources had been exhausted.

Through its Hospitality Committee ACS provided loans of household goods to 2273 servicemen and their families.

Seventy-six food packets were provided to military families in emergency situations.

In December ACS provided a briefing to Major General Kelley, the Chief of Chaplains for the Department of the Army.

HUMAN RELATIONS DIVISION

ORGANIZATION

The Human Relations Division is organized into two branches:

Education and Training Branch
Equal Opportunity Branch

MISSION

Assist the commander in achieving racial harmony and equal opportunity through education, affirmative action, and implementation of special activities.

PERSONNEL

MAJ Teasdale was reassigned from the Human Relations Division on 28 Jun 76 and CPT Mellem was assigned as his replacement. During the year the division experienced a 60% turnover in personnel.

ACCOMPLISHMENTS

EDUCATION AND TRAINING BRANCH

During CY 76 the Education and Training Branch provided Human Relations instruction to 249 personnel. The Managers' Human Relation Workshop graduated 46 personnel in two workshops. The Installation Human Relations Workshop graduated 179 instructors in eight workshops, who returned to their units to conduct racial awareness training. In 1975 the Education and Training Branch commenced the training of members of the Southeastern and Northeastern Recruiting Command. In CY 76 37 recruiting command personnel were trained. During the year the Education and Training Branch continued to provide Human Relations instruction to WORWAC, WOAC, WOSC, and NCOES. A 20-hour short course was offered to dependent wives and 11 were trained. In June two members of the Education and Training Branch went to Miami, Florida, to conduct a special 30-hour course for the Miami DRC Convention. The special 30-hour course was presented to 13 members of the 926th Engineer Group during their 2-week active duty training period. In July two members of the branch went to the Waterway Experiment Station, Vicksburg, Mississippi, to provide human relations training to the military personnel assigned there.

EQUAL OPPORTUNITY BRANCH

During CY 76 this branch received and processed three off-post accommodations complaints and 25 miscellaneous complaints, of which 18 were settled informally by contacting the respective commanders on courtesy visits.

USAAVNC Suppl 1 to AR 600-21 and USAAVNC Cir 600-5 were revised and published. The TRADOC RR/EO Office conducted a staff visit and the overall comments were favorable. CPT Mellem, the Division Chief, and Mr. Crenchaw of the Equal Employment Opportunity Office attended the TRADOC Regional Conference at Fort Benjamin Harrison, Indiana. Throughout the year increased emphasis was placed on encouraging participation by women in the Installation Human Relations Workshops and Racial Awareness Workshops. Classroom subjects were updated to include discussion of new court rulings pertaining to women's rights.

INTELLIGENCE DIVISION

PERSONNEL

Chief - Mr. Marion E. Hill

ORGANIZATION

The Intelligence Division is organized to advise and assist the Director of Personnel and Community Activities on all intelligence, counter-intelligence, and security matters. There are no units/offices subordinate to this Division.

ACCOMPLISHMENTS

During this Calendar Year the Intelligence Division processed 8,697 security clearance actions; conducted 150 security inspections, denied, suspended, or revoked 2 security clearances, and, received and processed 1,300 documents classified SECRET or higher. There were no reportable security violations at Fort Rucker, AL during this reporting period. There were 168 classified reports submitted IAW AR 381-155 (U).

ASSIGNMENTS/TRANSFERS

Mr. Francis K. Wetzel, initially assigned to this Division on 10 July 1966, was transferred to the Defense Investigative Service on 9 October 1976. Mr. Wetzel is to be replaced with Mr. William G. Parsons who will transfer from Comptroller to this Division effective 24 January 1977.

PERSONNEL SERVICES DIVISION

ORGANIZATION

Morale Support Fund (CPF)
Education Branch
Post Exchange
Fort Rucker Dependents Schools
The American National Red Cross

MISSION

Provides staff supervision on matters pertaining to morale, welfare, discipline, wearing of the uniform, standards of conduct, check cashing program, adverse suitability, fund-raising programs, American Red Cross and Post Exchange activities, education of military personnel and dependents nonappropriated funds and private association activities, collateral reports of investigation, and Flying Evaluation Boards.

PERSONNEL

CPT Charlton was assigned to Personnel Services Division, 1 Mar 76.
CPT White assumed duties of Chief, Personnel Services Division, 7 Sep 76.
CPT Riviezzo, then Chief, Personnel Services Division, was reassigned to DGFT.

ACCOMPLISHMENTS

The Combined Federal Campaign, conducted in the fall of 1976, realized \$136,330.24 in donations and pledges.

The Defense Community Service Council completed the following projects:

Assisted the City of Andalusia in the construction of an earthen dam.

Dismantled a water tank base in the City of Dothan, Alabama. The water tank base was an old steel-reinforced concrete construction.

Installed light poles, lights and underground cable for a new recreation complex for the town of Clayhatchee.

Constructed a playground and ball field at Newton Elementary School.

Installed field telephones at Humming Hills Girl Scout Camp.

Cleared, filled and graded an athletic field at Vivian B. Adams School, Ozark, Alabama.

Provided assistance in improving the V.F.W. parking lot in Daleville, Alabama.

Constructed 15 drop boxes for clothing donated to the Salvation Army.

Removed 8 light poles and installed new poles in their place at Wicksburg High School, Alabama.

Graded a 50 foot outdoor range for the ROTC at Henderson High School, Troy, Alabama.

Assisted Eastgate Junior High School in constructing a garden-planter and patio area.

MORALE SUPPORT FUND

MISSION

Provide welfare, recreation and morale activities support for the active duty and retired personnel in the Fort Rucker area.

ACCOMPLISHMENTS

Furnished \$46,000 to complete Lake Tholocco camp site.

EDUCATION BRANCH

MISSION

Provide civilian type educational opportunities as directed by AR 621-5.

PERSONNEL

Mr. Fred L. Smith joined the staff as an education counselor during the first quarter of the calendar year 1976. Mr. Ginio Hernandez, Foreign Language Specialist, rejoined the staff during the third quarter of the calendar year. Miss Patsye Mathis, clerk-stenographer, departed the section during the third quarter.

ACCOMPLISHMENTS

The Job Recognition (JOBREC) Program was authorized for implementation during the final quarter of the calendar year and the addition of two staff members to the existing staff was authorized to execute this program.

During the calendar year, 100 individuals successfully completed the high school equivalency examinations; 167 individuals received associate degrees (or two-year college equivalencies); 70 persons were awarded bachelor's degrees; and 27 were awarded master's degrees.

POST EXCHANGE

MISSION

Provide merchandise and services of necessity and convenience which are not furnished from appropriated funds to authorized patrons at uniformly low prices.

Generate reasonable earnings to supplement appropriated funds for the support of Army and Air Force welfare and recreational programs.

PERSONNEL

Mr. Arthur D. Ryan, Exchange Manager, was assigned to Fort Rucker Exchange on 10 January 1976.

Mr. John P. Gallagher, Annex Manager (Auto), was assigned to Fort Rucker Exchange in a training assignment, 29 May 1976. He completed the training assignment and was promoted to Annex Manager (Auto), 2 October 1976.

Mr. Roy E. Hines, Exchange Manager, retired on 31 May 1976.

Mr. Morris R. Easler, Food Activity Manager, transferred to Beale AFB Exchange, California, August 1976.

Mr. Junior L. Jones, Food Activity Manager, was assigned to Fort Rucker Exchange Four Seasons Store on 30 October 1976.

Mr. Joel A. Kay, Assistant Retail Manager, was promoted to Operations Manager, Main Store.

ACCOMPLISHMENTS

The Main Exchange was renovated during the period February-April 1976. Included in the renovation process was the installation of new carpeting in the soft lines area and the creation of the Sound Center, Decorator Shoppe and Sewing Center.

Major General Cecil W. Hospelhorn, Commander AAFES, visited the Main Exchange, Four Seasons Store, Post Theater, Book Store and Filling Station on 28 April 1976.

The Washateria, Building 6604, was closed on 31 July 1976.

Management assumption of all on-post vending operations (excluding newspaper machines) was completed by the Fort Rucker Exchange on 1 November 1976, to include those formerly managed by the club system, Morale Support Fund and the Wildlife Association.

FORT RUCKER DEPENDENTS SCHOOLS

ORGANIZATION

The Fort Rucker Dependents Schools System consists of a district office, an intermediate school and a primary school. A central kitchen is operated in the intermediate school and the primary school lunchroom is operated as a satellite. Student transportation is provided by a civilian contractor under contract with the Army. The schools are operated by the Commanding General, Fort Rucker, with the costs reimbursed quarterly by Department of Health, Education and Welfare.

MISSION

To provide suitable free public education to the dependent children of military personnel residing on the Fort Rucker reservation. The schools provide basic education including instruction in art, music and physical education. Also provided are special programs in speech therapy, remedial reading and education for the educable mentally retarded and the learning disabled. School health, guidance and library services are provided as are food and transportation services.

ACCOMPLISHMENTS

The schools, classes, and students of the District have been involved in ongoing activities in recognition of the Bicentennial celebration. Many of these activities have been observed by enthusiastic parents.

The schools were visited over a three day period by a 12-member review team of outside educators in conjunction with the reaccreditation activities of the Southern Association of Colleges and Schools.

The schools were commended by the Inspector General for the continued development and usefulness of the Guidelines, a manual of School Board policies and agency regulations.

NONCOMMISSIONED OFFICERS'
OPEN MESS

ACCOMPLISHMENTS

The calendar year 1976 brought a large decline in the post population of Fort Rucker, but the membership of the Noncommissioned Officers' Club remained fairly constant, with approximately 2600 members. With this continuation of membership the NCO Club was able to continue carrying through a monthly package of top-notch entertainment, original events and fine food at budget prices. For the calendar year of 1976 the NCO Club showed a profit of \$29,000.00.

The NCO Club Annex was redecorated and the complete program was revamped to upgrade dining and entertainment programs, which included special shows. The overall program has been a success.

The Club sponsored several well known entertainment shows during 1976: The Drifters, Billy Walker, Jean Shephard, Joe Stempley, Jack Greene, Jeanie Sealy, Lemon Twist, Mickey Gilley. All these attractions were a success. A cover charge was added to off-set the cost for special shows.

Special events that were hosted by the Club included Fasching Party, Chuck Mitchell Show, the 49'er Party, Hawaiian Luau, and the New Years' Eve Ball. Among the specials was the 12th Annual Military Ball which has been a tradition of the NCO Club. This is a formal occasion and always features a big band sound. Wayne King and his Orchestra entertained for the evening and to highlight the evening the NCO of the Year was named and presented honors.

OFFICERS' CLUB

ACCOMPLISHMENTS

The calendar year 1976 brought a decline in the post population of Fort Rucker but the general membership of the Officers' Club remained fairly constant. With this continuation of membership the Club was able to continue providing excellent entertainment; original events, which kept member participation high; and fine food with elegant dining. The Club sponsored several well-known entertainment shows during 1976: The Lemon Twist Show, who performed before many well known dignitaries, to include the President of the United States; and one of the best known Country Western Stars of 76, Mr. Mickey Gilley, graced the stage of the Officers' Club. Another outstanding success was the Dinner Theatre presented by the Club during November 1976.

Special events that were hosted by the Club including a Fasching Ball, the 49'er Party, the Bicentennial Ball, Hawaiian Luau, and the gala New Year's Eve Ball.

Several Quarterly AUSA General Membership meetings were held at the Club. The guest speakers included both the past Commander of Fort Rucker, Major General Maddox, and the present Commander, Major General Smith.

The Annual Membership Appreciation Day was planned for July at the Lake Lodge. Due to inclement weather we were forced to bring the event into the Main Club, where it turned out to be one of the best events of the year.

Several significant events also took place at the Club in 1976. Among them were the Annual Commanding General's New Year Reception, the annual Joint Services Conference, the World-wide CW4 Reunion, and the AAAA Dinner. Several annual ROTC Balls occurred at the Club. Schools represented were: Headland, Ozark, Daleville, and Abbeville. Daleville High School also held their Senior Prom at the Club.

OFFICE OF THE PROVOST MARSHAL

ORGANIZATION

An organizational chart including operational sections of the Provost Marshal's office is shown on page 164. The 141st MP Company supports the Provost Marshal's office with personnel and equipment. The TO&E presently calls for three officers and ninety-six enlisted men.

Transco Security Incorporated was awarded the civilian guard contract in October. They are responsible for security of all airfields, the ammunition storage dump, other sensitive buildings and facilities, and money escorts.

PERSONNEL

LTC Frank Turner, Provost Marshal, departed in August 1976. COL David J. Anderson assumed Provost Marshal duties in August. SFC William F. Eller was Provost Marshal Administrative NCO until his retirement in June, at which time SFC Malcom A. Wilson assumed the duties until his retirement in September. SSG Calvin C. Haygood then assumed the duties and continues to the present time. MSG Paul S. Birdwell assumed 1SG duties at the MP Company in January and SFC Sammy J. Prince became Operations Sergeant, holding the position until May, at which time MSG George L. Ballard arrived. Lt Paul R. Schlup became OIC, Military Police Investigation Section in February.

ACCOMPLISHMENTS

Vehicle Registration Section - This section registered and cleared over 15,000 vehicles, boats and weapons, and continues a smooth and orderly transition into the automated Management Information System.

The Military Police Station and Desk Sergeant moved from building 608 to a newly remodeled and renovated building 510 during March-April, resulting in increased efficiency and more centralization of functions.

The Game Warden Section initiated an improved system of hunter control and were assisted in their administrative duties by the temporary addition of three civilian employees. The following figures depict business conducted:

Administration:

Hunters signed out:	10,666
Annual hunt/fish permits sold:	3,137
Daily hunting permits sold:	819
Daily Fishing permits sold:	1,417

Reported Kills:

Deer (Buck and doe)	675
Dove	37
Rabbit	50
Duck	3
Quail	230
Squirrel	183

The AWOL Apprehension Section processed and returned to military control 344 absentees. Their area of responsibility includes portions of Florida, Mississippi, and Alabama.

The Military Police Investigation Section moved from building 510 to building 608 in November. The MPI Section, utilizing self-help materials and equipment, remodeled building 608, creating a modern, efficient area, expressly designed for the conduct of investigative activities. The section consists of six investigators and one OIC. There were 1,047 cases opened and 1,064 cases closed for the year. A breakdown of some of the cases follows:

<u>Offense</u>	<u>Subjects Identified</u>	<u>Cases</u>
Simple assaults	12	25
Larcenies	42	368
Possession of marihuana	121	131
Harrassing/obscene phone calls	1	45
Prowlers	1	15
Unlawful entry	0	7
Miscellaneous	14	64

Value of property stolen and recovered:

<u>Stolen</u>	<u>Recovered</u>
\$538,943.81	\$521,796.63

The above figure appears to be inflated compared to previous years; however, it is a result of a case involving an amount of nearly \$500,000 of which the investigative jurisdiction was assumed by USACIDC. The investigative assistance of the MPI resulted in the recovery of the property.

The Physical Security Section moved from building 509 to new offices in building 510. Tasks accomplished by the section are as follows:

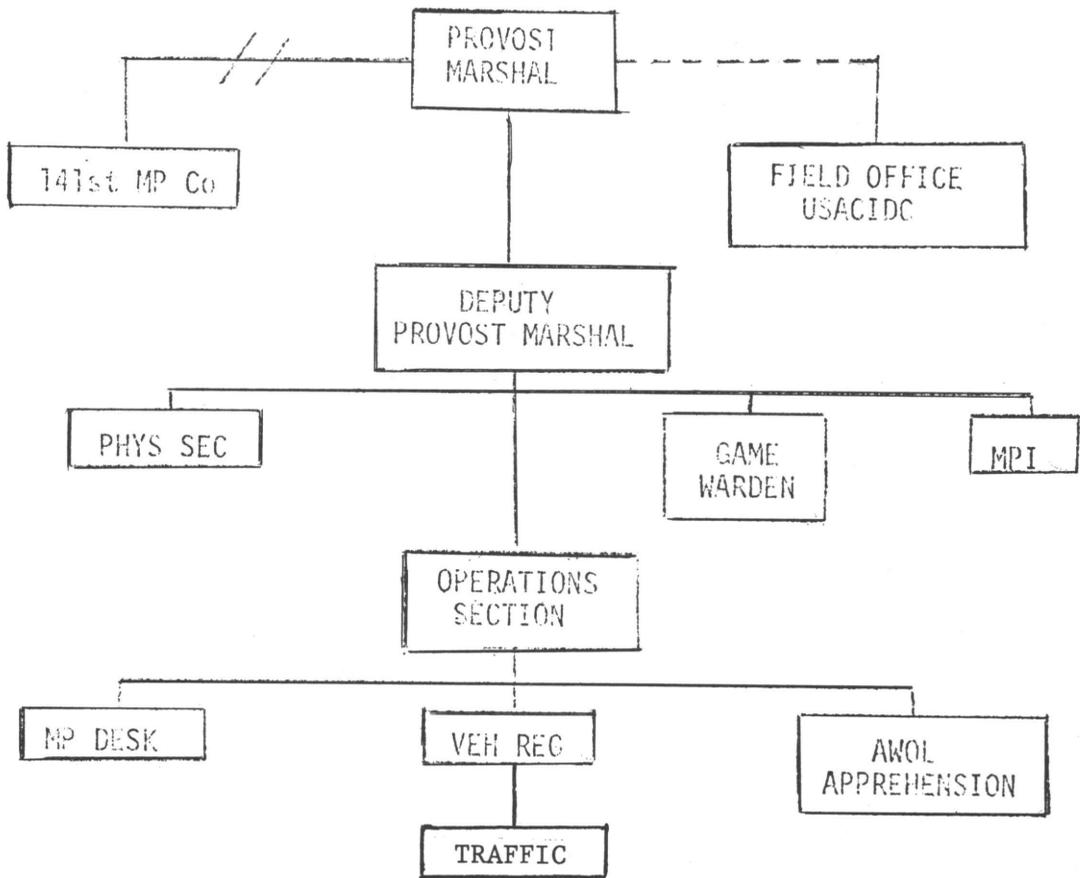
Unsecured building reports	238
Annual inspections	234
Annual surveys	23
Supplemental inspections	8
Annual courtesy inspections	10
Annual unannounced inspections	97
Initial inspections	31
Crime prevention inspections	48
Alarm activation logs	57

The Traffic Section was reestablished in November, and has so far resulted in more efficient coverage of special events, a series of traffic movement surveys designed to improve traffic flow, and more timely submission of traffic accident reports.

The Operations Section, in addition to exercising overall supervision of the four sections indicated on page 164, forwarded the following reports:

DA Form 3975 (MP reports)	2,931
DD Form 1408 (Traffic tickets)	1,974
Traffic accident reports	561
Post driving privileges suspended	105

In addition, approximately 7,500 other miscellaneous administrative papers were processed.



LEGEND

——//—— SUPPORTS PM WITH PERSONNEL AND EQUIPMENT

- - - - - COORDINATION AND LIAISON WITH PM

RECREATION SERVICES DIVISION

MISSION

The mission is to increase the effectiveness of the Army by assisting commanders in maintaining the morale and the mental and physical fitness of Army personnel, their families, and other members of the military community. This is accomplished by promoting maximum participation in planned and diversified activities.

ACCOMPLISHMENTS

Arts & Crafts Branch: The Annual Arts and Crafts Week activities were held 14-18 July in the Multi-Craft Center. The theme "Handicrafts in Colonial Times: was depicted through displays and demonstrations in leathercraft, weaving, pottery, tool making, dyeing, candle dipping and wood carving.

The Arts & Crafts Branch was well represented at the 1976 National Peanut Festival. The following personnel entered various craft competitions and received awards for their efforts: SP4 Sonia Wolfe, SP5 Linda Harrell, SSG Alan Harrell and Linda Platshon, DAC.

A request for consolidation of two grants, for the amount of \$37,000, was approved by TRADOC in the last quarter of the year. The grant is for the renovation and conversion of building 9002 into a Multi-Arts and Crafts Facility.

The following replacement equipment for the upgrading of the Arts and Crafts Program was received in 1976: Lapidary equipment, ceramic kilns, pug mill, radial arm saw, parts washer, jacks, vacucast machine and rolling mill. Purchase of equipment was made possible by end-of-year funds and a TRADOC grant.

Mr. Thomas A. Bullard, Arts and Crafts Director, departed for Germany on 6 Jun 76. Miss Constance F. Evans held the position of Director until Mr. Greg D. Green arrived from the Canal Zone on 14 Nov 76.

Dependent Youth Activities Branch: The Fort Rucker Dependent Youth Activities Program had a good, progressive year. A new Director, Mr. Walter V. Winchester, was appointed to fill the allocated GS-9 slot. Mr. Billy Adkins was selected to fill the Youth Sports Director position.

The Youth Program expanded their dance classes by moving to building 3407. This more spacious building has been designated the "Youth Activities Dance Studio." Instruction has improved and attendance increased with newly acquired instructors increasing the areas of participation. Classes are offered in ballet, jazz, tap and acrobatics. Baton twirling classes are also a part of the program.

Baseball - In 1976 the Dependent Youth Activities baseball program enjoyed another successful year. Fort Rucker hosted the Dixie Youths (ages 10-12), Dixie Boys (ages 13-14) and Southeastern Military District Tournaments. Teams from Florida, Mississippi and Alabama were represented in these tournaments. Fort Rucker had representatives at the Dixie Majors Tournament held in Ozark, Alabama, and two players in this age category (age 15-17) were selected for the All-Star Team. Our baseball program included hosting other military installation teams for weekend series to expand the program for our youths.

Softball - A combined entry of Fort Rucker and Daleville, Alabama, All-Star Softball players hosted the Dixie Debs Fast Pitch World Series for Girls (age 13-18). Program ads were sold and an art auction was held at the Youth Center to raise money to host the tournament. The tournament was very successful and our team made a good showing. Teams from Louisiana, Texas, Mississippi and Alabama were represented.

Basketball - The 1975-76 Basketball Season was also successful. Fort Rucker Youth Activities had nine teams participating in the Dale County Leagues. Fourteen of our youth participants won plaques from TRADOC in the Free Throw Contest, sponsored annually, by winning in their age group category.

Football - Fort Rucker Youth Activities represented themselves in an outstanding manner in the Dale County Football League, winning three of the five divisions. To expand our program, our two major league teams played a five-game series with Fort Benning, Georgia, youth teams. Fort Rucker teams participated in the Youth Super Bowl in Ozark, Alabama. Fort Rucker hosted other military teams in football to increase the scope of the program for our youth teams. Eighty-six of our youths participated in the TRADOC Punt, Pass, and Kick Contest. Seventeen of these participants won plaques as winners of their age groups.

Swimming - The youth swim team, the Frogs, enjoys year round competition. The well represented, 59-member team hosted swim meets and traveled to other areas to participate in meets. Several members hold record times for their age group on the swimming tours in which they have participated.

Tennis - Tennis classes were offered to dependent youths this year for a small fee. Over 45 people were enrolled and received instruction.

Bowling - The Youth Bowling Program was active the entire year, expanding approximately 50% over the previous year. Youth bowlers participated in the State Youth Tournament, held in Birmingham, Alabama, and won several trophies. During school months the youths bowl on Saturday mornings and on Wednesdays during summer months. Handicapped youths bowl on Sunday afternoons with approximately 30 people participating.

Archery and Handball - Clinics were held for dependent youths in archery and handball with an average of twelve people participating in each clinic.

Gymnastics - Gymnastic classes were begun in 1976. New equipment was purchased to supplement equipment on hand and the program continues to expand. Approximately ninety children are currently active in the program. There was a significant increase in the number of cheerleaders for youth basketball and football programs. The program is coordinated and handled by volunteers and their efforts have shown dividends. For the enjoyment of the spectators, approximately 65 girls performed during the games and did halftime routines.

Girl Scouts - Girl Scouts had a very successful day camp program this year. Participants from other scouting programs in the adjoining districts joined the Fort Rucker Girl Scouts for a two-week camping session.

Boy Scouts - Fort Rucker Boy Scouts hosted the Scout Jamboree during 1976. To add to the success of the program, the US Army Parachute Jump Team, The Golden Knights, conducted a jumping exhibition enjoyment of the scouts and visiting dignitaries. The Golden Knights also held a film session and question and answer time for all Dependent Youth Activities.

Library Branch: Miss Syble Adams, Supervisory Librarian, retired after 23 years of Federal Service. She was succeeded by Miss L. S. Kuntz on 4 January 1976. Three Library Technician positions were developed into promotion potential (upward mobility) slots and training programs developed for the persons selected for the positions.

To recognize National Hispanic American Week, articles loaned by area residents and representative of the art and culture of this ethnic group were displayed in the library. Films about Hispanic traditions and life were also shown.

Post and area Librarians were organized to meet regularly for exchange of ideas and information. A consolidated list of periodical holdings was published by the post Librarians in this group. Automated listing will be updated annually.

Volunteers contributed 540 hours to the Library. Their work included helping library patrons, processing library materials, and assisting in the weeding of the collection.

Library orientations were conducted for Daleville High School's Junior Class, Troy State University students, and GED students.

A usage study and a reader interest survey were conducted. The objective of the usage study was to develop a criteria by which the core collection could be identified. The core collection is that part of the collection that will satisfy future use. The objective of the reader interest survey was to determine which magazines were desired by the patrons and, in turn, which subscriptions should be renewed while others could be discontinued.

Publicity was expanded to include newspaper and TV spots along with special color posters.

The Audio-Visual Section was updated by the introduction of cassette software.

Music & Theatre Branch: During the 1976 season the Music & Theatre Branch produced three major shows - "Butterflies Are Free" (Mar 76), "Wait Until Dark" (Jun 76) and "Dracula, Baby" (Oct 76). In April a melodrama was produced as part of the 49er Party activities. The on-stage activities of the 49er Party were also provided by the Music & Theatre Branch. In May "Showcase 76" was presented and five VIPs were in attendance as judges on this Army-wide talent hunt. The VIPs in attendance were Mr. Larry Fazio, Mr. Anthony Reed, Mr. Ezra Stone, Ms. Dorothy Winblad and Mr. William Diamant. The Music & Theater Director, Mr. Alvin C. Buckmaster, helped produce five productions for the Post Chapels throughout the year and provided support for other activities. The Music & Theatre Branch hosted two concerts by the 98th Army Band - one at Easter and another at Christmas. The New Orleans Philharmonic Orchestra performed in February. The concerts were well received by the community. This branch provided equipment and professional knowledge to numerous area public school activities during the year and to local annual beauty pageants. Support and professional experience were contributed to several area churches in their productions of special activities. Equipment from the Music & Theatre Branch was used in several major activities this past year. Such programs were the 49er Party, AUSA Picnic, and Wildlife Association activities. The Music & Theatre Branch also provided the entertainment for the AUSA Picnic.

Outdoor Recreation Branch: In August 1976 Outdoor Recreation received, from TRADOC three self-contained travel trailers for rental to the military. Construction began in September 1976 to rebuild the Florida Recreation Area boat basin which had been destroyed by "Hurricane Eloise."

Recreation Center Branch: The Recreation Center hosted the TRADOC 14.1 Billiards Tournament in March 1976. Bicentennial programming was outstanding the entire year and the Recreation Center placed third at the TRADOC level of the Department of the Army Recreation Center Bicentennial Program Contest. The Fort Rucker entry was forwarded to Department of the

Army and will be judged at that level sometime in February 1977. With emphasis on nightly programs, attendance at the Recreation Center has doubled over that of last year. The Information Tour and Travel Office planned and conducted 54 tours in the surrounding area. The Recreation Center hosted 282 meetings prior to operating hours. Meetings included Unit RAP Classes, Change of Command, Retirement Ceremonies, and ACS Welcome Center.

Sports & Athletic Training Branch: The Fort Rucker Men's and Women's Teams participated in the following TRADOC Tournaments:

Basketball	Men & Women, 8-12 Mar 76	Host: Ft Rucker, AL
Softball	Men	Ft Sill, OK
	Women, 23-27 Aug 76	Host: Ft Rucker, AL
Bowling	Men and Women	Ft Leonard Wood, MO
Tennis	Men	Ft Leonard Wood, MO
Golf	Men	Ft McClellan, AL

During the Fourth of July Weekend, Sports & Athletic Training Br hosted tournaments in racketball, tennis (men & women), bowling, golf, and softball (men and women). The surrounding communities were invited and participated in the tennis and softball tournaments.

In December after winning the Commanding General's Trophy for the third consecutive year, the 11th Company, First Battalion was presented the Trophy on a permanent basis.

PUBLIC AFFAIRS OFFICE

MISSION

To provide public information, community relations and command information support to the installation, including active duty military, retired military, civilian employees, Army Reserve and National Guard personnel, tenant activities, military dependents, and the geographic area of responsibility.

ACCOMPLISHMENTS

Guest speakers for the Bogardus S. Cairns Chapter, Association of the U.S. Army were: Honorable Edward A. Miller, Assistant Secretary of the Army for Research and Development, 16 March 1976; Dr. Theodore C. Marrs, Special Assistant to the President of the United States, 22 April 1976; Major General William J. Maddox, Jr., Commanding General, United States Army Aviation Center, 24 June 1976; and Major General James C. Smith, Commanding General, United States Army Aviation Center. News media representation was excellent on each occasion.

On 15 April the Public Affairs Office and the Montgomery District Recruiting Command sponsored the Second Annual Journalism Clinic at Ft Rucker. Over 200 high school students from southeast Alabama and north Florida participated. This clinic was highly successful.

Ft Rucker appreciation days were held 10-13 May. Twelve area communities were represented for activities on the final day, 13 May. Area news coverage was excellent on each day of activities.

News Media Day was held on 13 May. Eighteen news media representatives participated in the day's activities which were climaxed with a nap-of-the-earth flight and a flight demonstration by the Army Aviation Precision Demonstration Team, the Silver Eagles.

The Army aviation birthday was celebrated on 5 June with static displays, air show, open house, and the induction of seven into the Aviation Hall of Fame. News media participation and news coverage were outstanding.

The U.S. Army television news team from the Army Hometown News Center, Kansas City, MO, visited Ft Rucker in June to produce television news releases of aviation training activities.

The Information Office title was changed to Public Affairs Office effective 1 July by Department of the Army general order.

Extensive Public Affairs support was provided for the 49'er Party, community projects and activities, seminars and association activities.

The installation newspaper, The Army Flier, retained its Class A rating by Department of the Army. Extensive layout modernization continued to improve the publication.

The national Bicentennial celebration was held 2, 3 and 4 July. One of the highlights of the three day celebration was the Torchlight Tattoo held at the Center parade field. Approximately 3,000 attended.

A total of 863 printed news stories with photographs was released to local and area news media.

A total of 152 electronic releases was made to local and area radio and television stations. These releases went to an average of ten stations each for a total of 1,520 releases.

US ARMY RESEARCH INSTITUTE FIELD UNIT

ORGANIZATION

The Army Research Institute (ARI) Field Unit is a field activity of the Army Research Institute for the Behavioral and Social Sciences (ARI), an operating field activity of the Deputy Chief of Staff for Personnel.

MISSION

As the Army Research Institute's lead element for aviation training research, the Fort Rucker Field Unit has as its research mission "Aircrew Performance Enhancement in the Tactical Environment." The mission of the Unit is executed by three sets of research activities: (1) To extend training research support and technical advisory services to the Commander and elements within the US Army Aviation Center, (2) to execute as an advanced development program that portion of the ARI work program which is in support of the US Army Aviation Center, and (3) the ARI Field Unit will develop a Technological Base Program of research designed to provide future benefit to Army aviation. In all the research and advisory activities of the Fort Rucker Field Unit, emphasis will be placed on responsiveness to requirements in the field environment--stressing solutions to operational problems.

PERSONNEL

Mr. Charles A. Gainer is the Chief of the ARI Field Unit. Major William C. White, Jr. is the Military R&D Coordinator.

Authorized personnel at the end of CY 1975 were: 1 officer, 2 enlisted, and 11 Department of the Army civilians. Assigned strength as of December 1976 was: 1 officer, 5 enlisted, and 9 civilians.

ACCOMPLISHMENTS

PROGRAMMED RESEARCH

Since its establishment at Fort Rucker, the Fort Rucker ARI Field Unit has been conducting a multifaceted training research program to enhance aircrew performance in the tactical environment. The active task areas and associated research tasks accomplished during CY 76 are summarized below:

Task Area A. NOE, Night and Instrument Flight Training.

Research Task 1. Map Interpretation Training Analysis Course (MITAC I) development and evaluation.

- Research Task 2. Tactical Night Terrain Flight Navigation Study.
- Research Task 3. MITAC II self-paced program development.
- Research Task 4. Gunner Accuracy Control Panel (GACP) and TOW missile sight video tape camera evaluation.

Task Area B. Flight Simulation.

- Research Task 1. UH-1 Flight Simulator night visual system evaluation.
- Research Task 2. CH-47 Flight Simulator operational test-plan development.
- Research Task 3. Simulator camera model board study.
- Research Task 4. AH-1 weapons system operational test-plan development.
- Research Task 5. Fort Campbell UH-1 FS Utilization Study. To determine the most effective methods for using the UH-1 simulator at the unit level to maintain instrument proficiency.
- Research Task 6. Computer generated image film study.

Task Area C. Aviator Selection and Differential Assignment.

- Research Task 1. Revision and restructuring of the Flight Aptitude Selection Tests (FAST) battery.
- Research Task 2. Development of a performance-based selection system utilizing the UH-1 Flight Simulator.
- Research Task 3. Development of techniques for differential assignment of Army aviators to types of aircraft/missions based upon individual capabilities.
- Research Task 4. ACE helicopter pilot selection program; survey and rating form development.

Task Area D. Aviation Training Management Methodology (Initiated 1 Oct 76).

- Research Task 1. Identification and measurement of critical IERW performance variables.
- Research Task 2. Design of an Aviation Training Management Data Base.

TECHNICAL ADVISORY SERVICE

Technical Advisory Service (TAS) includes training research and technical consultation, within the capability of the Fort Rucker ARI Field Unit, which will be provided as requested to the Commander, US Army Aviation Center and to all elements within the Aviation Center. If a TAS request exceeds field unit capability or is outside the aviation area, the appropriate ARI Laboratory or Field Unit is contacted for support.

Examples of TAS provided during CY 76 include the following:

Design, collection and analysis of questionnaire data for the AAH OT-1.

Evaluation of the Fort Benning NOE trainer.

Membership in the UTTAS requirements study group.

Technical consultation to the Army Training Requirements Study Group tasked with studying and revising the IERW program.

Membership in the Tactical Map Committee.

Questionnaire development, evaluation planning, and data collection/analysis for Red Flag 77-2 training test.

Membership in the Training Device Requirements Study Group.

USA RESERVE CENTER

ORGANIZATION

The USA Reserve Center provides support to the following units:

376th Transportation Company (Acft Gen SPT)
282nd Aviation Company (Aslt Hel)
121st USARFFAC
AMSA 157a

MISSION

376th Trans Co (AGS)-Provides training to unit personnel in all phases of general support maintenance during unit drills conducted monthly and annual training. Provides back up support for 157a AMSA.

282nd Avn Co (Aslt Hel)-Provides training to unit personnel in aviation combat operations. Provides 121st US ARCOM with airlift capabilities. Unit is extensively involved in NOE training and support of Ranger training at Eglin AFB, FL.

121st USARFFAC-Provides control and usage of all aircraft between unit assemblies through scheduling and assigning of instructor pilots as necessary to maintain aviator proficiency.

AMSA 157a-Provides a continuous maintenance program on all assigned aircraft.

PERSONNEL

MAJ James H. Fitzgerald, Jr., Commander, USAR Center,
effective 25 Jul 1976. Commander, 376th Trans Co (AGS)

MAJ Donald R. Byars, Commander, 282nd Avn Co (Aslt Hel)
effective 14 Jun 1975.

Mr. Gerald D. Lyon, Supervisor, 121st USARFFAC, effective
10 January 1976.

Mr. Craig C. Cameron, Maintenance Supervisor, AMSA 157a,
effective 5 March 1976.

On 25 July 1976 MAJ James H. Fitzgerald, Jr. assumed command from MAJ Forrest E. Faulkner who was reassigned to 375th Field Depot.

The USA Reserve Center has approximately forty (40) full time personnel who provide support for over 500 members of the US Army Reserve during unit and annual training periods.

ACCOMPLISHMENTS

The USA Reserve Center through the assigned units has been working to establish a meaningful training program for all assigned personnel to improve recruiting and retention standards.

The 376th Trans Co (AGS) had a successful annual training supporting the 300th Avn Co (Aslt Hel) from Oak Grove, TX during August 1976.

The 282nd Avn Co (Aslt Hel) has been deeply involved in unit training of both Nap-of-the-Earth and instrument flying for all assigned aviators.

DIRECTORATE OF RESERVE COMPONENTS

ORGANIZATION

The Directorate of Reserve Components functions under the Deputy Commanding General. The directorate is organized into the following functional areas:

Plans and Training
Plans and Operations
Program Management

MISSION

Provide a single point of contact at this installation to coordinate and provide training facilities, administrative and logistics support to those directed or authorized reserve claimants. Geographical area of responsibility for USAR and ARNG is the southern parts of Alabama and Mississippi, 29 counties in Alabama and 41 in Mississippi. The area of responsibility for ROTC support is basically the same in Alabama and Mississippi plus Northwest Florida. Senior units supported: 2 in Alabama, 2 in Florida and 1 in Mississippi. Junior units supported: 24 in Alabama, 8 in Florida, and 1 in Mississippi.

PERSONNEL

Director: LTC Rex H. Peterson

ACCOMPLISHMENTS

The installation hosted units/elements for Annual Training aggregating 4,200 personnel. Support was provided for 26 units and 5,817 personnel performing inactive duty training during CY 76. This support included administrative, logistical, medical, self-service supply, and range/training areas.

The following units performed Annual Training as indicated:

<u>UNIT</u>	<u>COMPONENT</u>	<u>TRAINING DATES</u>
1156 MP Det	ALARNG	25 Apr - 8 May
30 Avn Bn	NCARNG	25 Apr - 8 May
449 Avn Co	NCARNG	25 Apr - 8 May
198 Aslt Hel Co	DEARNG	16 May - 30 May
877 Engr Bn	ALARNG	30 May - 13 Jun

<u>UNIT</u>	<u>COMPONENT</u>	<u>TRAINING DATES</u>
1135 Gen Sup Co	ALARNG	13 Jun - 27 Jun
635 Avn Co	MOARNG	13 Jun - 27 Jun
926 Engr Gp	USAR	11 Jul - 25 Jul
926 Engr Bn	USAR	11 Jul - 25 Jul
187 JA Tm GCM	USAR	11 Jul - 25 Jul
614 MP Plt	USAR	11 Jul - 25 Jul
188 JA Tm	USAR	25 Jul - 8 Aug
210 FI Det	MSARNG	25 Jul - 8 Aug
617 MP Plt	USAR	25 Jul - 8 Aug
189 JA Tm	USAR	15 Aug - 22 Aug
300 Avn Co	USAR	15 Aug - 22 Aug

DIRECTORATE OF RESOURCE MANAGEMENT

ORGANIZATION

Based on guidance provided by Headquarters, US Army Training and Doctrine Command (TRADOC), a feasibility study was completed by the Comptroller resulting in a recommendation that the Offices of the Comptroller and Force Development be integrated to form a Directorate of Resource Management (DRM). This recommendation was implemented 26 October 1976. The consolidation placed both financial and manpower management functions under the control and supervision of one staff officer and assured a balanced program of resource management at the US Army Aviation Center (USAAVNC). The DRM is organized into two major offices:

Office of the Comptroller
Office of Force Development

MISSION

Serves as the commander's principal staff officer for overall financial management, manpower management, USAAVNC organization, and approved management programs. To assist the commander, plans, directs, and controls the programming and budgeting, force development and manpower, management analysis and improvements, review and analysis, accounting and disbursing, and internal review responsibility of USAAVNC; provides a variety of financial and management services to assist in obtaining, managing, and controlling USAAVNC resources; develops and provides to higher headquarters cost analysis data as required; provides input to higher headquarters regarding the Foreign Military Sales (FMS) Program; provides analyses to mission and program accomplishment and of resource availability and utilization as a basis for management decisions; manages the USAAVNC manpower program, to include preparation and maintenance of TDA's/MTOE's, in the review and assessment of current and future manpower and equipment utilization. Controls the civilian hire program; directs and accomplishes Installation Army Authorization Document System (ITAADS); prepares and maintains the USAAVNC Organization and Functions Manual; manages the TRADOC Management Information System (TRAMIS); serves as the Career Program Manager for the Comptroller and the Manpower Management Career Programs; and exercises staff supervision over Nonappropriated Fund Central Accounting Office (NAFCAO).

PERSONNEL

From 26 October - 14 November 1976, LTC George M. Leaf, Chief, Office of Force Development, was assigned to the additional primary duty as Acting Director, Resource Management, USAAVNC.

On 26 October 1976 Mr. Danny L. Wright was assigned as Deputy Director, Resource Management, USAAVNC.

On 15 November 1976 Colonel G. F. Powers was assigned as Director, Resource Management, USAAVNC.

ACCOMPLISHMENTS

On 30 November - 3 December 1976, Colonel G. F. Powers, DRM, attended the TRADOC Manpower Review at Fort Monroe, Virginia.

On 6 - 10 December 1976, Mr. Danny L. Wright, Deputy Director, Resource Management, served on the TRADOC Comptroller Civilian Screening Panel for GS 13's, 14's and 15's at Fort Monroe, Virginia.

OFFICE OF THE COMPTROLLER

ORGANIZATION

On 26 October 1976 the Comptroller became an office under the Directorate of Resource Management and simultaneously the management analysis and TRAMIS functions were transferred to Office of Force Development. The Office of the Comptroller is organized into the following divisions/office:

- Internal Review Division
- Program and Budget Division
- Finance and Accounting Division
- Nonappropriated Fund Central Accounting Office (NAFCAO)

MISSION

Serves as the financial manager and principal advisor to the DRM and to the installation Program Resource Advisory Committee (PRAC) for overall management and financial matters; Command Liaison Officer for onpost banking facilities; project officer for USGAO, OSD, USAAA and commercial review and audit teams; and Comptroller for tenant activities. To assist the DRM, determines and obtains financial resources required to accomplish the command's mission; provides analyses of mission and program accomplishment and/or resource availability and utilization as a basis for management decisions; develops and maintains effective financial and management controls, systems, and procedures to safeguard and achieve optimum use of resources; provides management analyses on organizations and management systems as a basis for improving management systems within the command. Exercises direct supervision over programing and budgeting; cost analyses; financial services; accounting and disbursing; management analysis; work measurement; internal review. Exercises staff supervision over NAFCAO.

PERSONNEL

On 24 February 1976 Mr. William G. Parsons, Program Analyst, was detailed to assist the Cost Analysis Division.

On 25 February 1976 SGM Clyde Hodges assigned as Finance Operations NCO, Finance and Accounting Division.

On 1 March 1976 Mr. James S. Wiggins was assigned as Chief Accountant/Deputy, NAFCAO.

On 17 March 1976 1LT Lawrence W. Kaivo, Cost Analyst, departed ETS to the State of Washington.

On 12 April 1976 1LT Carlos C. Williams was assigned to Finance and Accounting Division. His initial duty assignment was Class B Agent Officer, Camp Shelby, MS.

On 3 May 1976 CPT Virginia D. Stephens was assigned as Chief, Pay and Exam Branch, FA Division, replacing CPT Jack B. Quick who was reassigned to the Quality Assurance Branch, Finance and Accounting Division.

On 16 May 1976 Mr. Harry G. Howell, was promoted to Chief, Management Analysis Division.

On 27 May 1976 LTC Lyle E. Jerrett was transferred to Syracuse University as Professor of Military Science.

On 11 June 1976 LTC Paul Bozeman was assigned as Comptroller.

On 30 June 1976 Ms. Jeanette Angelo, Chief, Quality Assurance Branch, Finance and Accounting Division, retired.

On 30 June 1976 Ms. Shadynelle Fitzgerald, Chief, PFR Section, Finance and Accounting Division, retired.

On 10 August 1976 CPT Jack B. Quick was reassigned from the Finance and Accounting Division to Cost Analysis, Office of the Comptroller.

On 15 September 1976 1LT Milton K. Allen was assigned to the Quality Assurance Branch, Finance and Accounting Division.

On 30 September 1976 Ms. Unita Dyess was promoted to Chief, PFR Section, Finance and Accounting Division.

On 31 October 1976 Mrs. Jean G. Dean was promoted to Quality Assurance Supervisor, Finance and Accounting Division.

ACCOMPLISHMENTS

Conferences and Symposiums:

From 25 - 27 February 1976, LTC Lyle E. Jerrett participated in the Revised Installation Contract signing at TRADOC, Fort Monroe, VA.

On 27 February 1976 Mr. Walter E. Akridge, GS-12, briefed the Aviation Training Study Group at TRADOC, Fort Monroe, VA.

From 12 - 24 September 1976, LTC Paul Bozeman, Comptroller, attended the Comptroller Symposium at Fort Benjamin Harrison, IN.

From 7-9 October 1976, Mr. Danny L. Wright, Deputy Comptroller, attended the American Society of Military Comptrollers Midwestern Symposium at Colorado Springs, CO.

Installation Accountant. An aggressive financial management improvement program was initiated with emphasis on financial control. A comprehensive training program on decentralized fund control was developed and presented to each program director and all personnel involved in the control process in March and again in October 1976. USAAVNC Regulation 37-11 on accounting control of financial resources that prescribes policies and detail procedures for installation control of funds was published 27 October 1976.

Detailed procedures for fiscal year 1976 closeout were published as USAAVNC Circular 37-2 on 25 May 1976, and for transition period 1977 closeout as USAAVNC Circular 37-3 on 19 August 1976.

Conferences were attended as follows:

On 20 April 1976, Mr. Roy Locklar, Installation Accountant, attended the STANFINS FY 76 and 77 Yearend Conference at Fort Benjamin Harrison, IN.

From 21 - 23 April 1976, Mr. Roy Locklar, attended the Second Annual World-Wide Finance and Accounting Officer's Conference at Fort Benjamin Harrison, IN.

From 26 - 29 October 1976, Mr. Roy Locklar attended the Resource Management Conference at TRADOC.

Cost Analysis. The cost analysis function, which is responsible for developing and accomplishing the TRADOC Cost Analysis Program for the USAAVNC was authorized by TRADOC on 22 November 1974.

Cost Analysis Reports:

The course Budgetary Analysis Report, RCS ATTNG-272, which reflects detailed course training costs on a functional basis was furnished TRADOC on 18 February 1976. These detailed course costs are presented to Congress as required by Public Law 604. The Command Analysis of OMA Funding Report, RCS CSCAB-306, which reflects expenses incurred, workload accomplished, and manpower utilized by specific account for FY 76 was furnished to TRADOC on 18 August 1976, and the MOS Training Costs Report, RCS ATRM-159, which reflects expenses incurred by activity (direct and reimbursable), workload accomplished by course of instruction and manpower utilized by courses of instruction receiving support was provided to TRADOC on 10 September 1976. The last two reports are used in preparation of the cost per student for each course taught at USAAVNC. While TRADOC was preparing the course cost feeder data from the above reports, USAAVNC cost analysis personnel provided additional information telephonically to refine the proration of overhead costs to the individual courses of instruction.

Army Aviation Training Study:

In September 1975 cost analysis was assigned the responsibility for developing the resource impact for the Army Aviation Training Study. The objective of this study was determining the most cost effective product to field units. This study proceeded into CY 76. On 27 February 1976 Mr. Walter E. Akridge, Cost Analyst, briefed the Aviation Study Group at TRADOC. Department of the Army approved the Warrant Officer Candidate Military Course, 175/40 (Dual Track) Initial Entry Rotary Wing Training concept, the Army Aviator Refresher Training Course and the Aviation Commanders' Readiness Course.

In conjunction with the Aviation Training Study, Cost Analysis prepared a study for contracting flight instruction in certain fixed wing and rotary wing courses. Final approval of this concept is pending.

The consolidation of Undergraduate Helicopter Pilot Training (UHPT) with the US Navy was reviewed and a comprehensive study was presented to DOD on 8 December 1976 for finalization and presentation to Congress for consideration. This study encompassed comparative costs involving separate training facilities by the two services and consolidation of UHPT at USAAVNC.

INTERNAL REVIEW DIVISION

ACCOMPLISHMENTS

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

Audit of Civilian Payroll Activities, USAAVNC and Fort Rucker, Fort Rucker, AL, Report No SO-76-5 - Audit was initiated 8 September 1975

and the final report was dated 8 January 1976. A formal installation reply was not required.

Audit of Management of ROTC Activities - USAAA requested information on 19 December 1975 concerning ROTC units at Florida State University and Florida A&M. The purpose of this review was to gather local data for the management of ROTC audit. A report was not issued to Fort Rucker.

Army-Wide Audit of Reserve Payrolls - During the period 22-23 March 1976 USAAA conducted a limited survey of reserve payrolls at Fort Rucker. The purpose of the survey was to gather information regarding reserve payrolls paid by Fort Rucker FAO prior to initiation of the Army-Wide Audit of Reserve Payrolls.

Audit of Supply and Maintenance Activities - The audit was initiated on 28 July 1976. In progress 31 December 1976.

Audit of Commerical Industrial-Type Functions (CITF) - The audit was initiated on 4 October 1976. The purpose of the audit was to evaluate the implementation and management of the CITF program. Six audit guides were completed and forwarded to the audit control point. A report was not issued to Fort Rucker.

Cost Analysis Activity (AR 235-5) - USAAA audited 3 cost analyses prepared by this headquarters during CY 76. 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 76:

<u>AREA</u>	<u>REPORT NO</u>	<u>REPORT DATE</u>
Laundry and Dry Cleaning	SO 76-622	22 Feb 76
Maintenance of Motor Vehicles	SO 76-647	23 Jul 76
Maintenance of Noncombat Vehicles	SO 76-644	23 Jul 76

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

Review - Congressional Request to Investigate Allegation Against Doss Aviation for Wages Not Paid During Military Training (GAO Assignment Code 950328) - The review was performed during the period 17 - 21 May 1976. A report of exit conference was forwarded to TRADOC 10 June 1976. A report was not issued to Fort Rucker.

Review of AWOL in the Military Services - A request for information concerning operational cost for AWOL apprehension and liaison personnel, operation and maintenance, contract detention facilities, and personnel control facilities was received 4 June 1976. The requested information was forwarded to TRADOC on 11 June 1976.

Juvenile Offenders on Military Installations - A questionnaire concerning juvenile offenders was received on 10 June 1976 for completion and return to TRADOC. Three copies of the completed questionnaire were forwarded to TRADOC on 21 June 1976.

Audits conducted by commercial audit firm:

Audit of the Fort Rucker Club System - The audit was performed by Lucas, Tucker and Co, Certified Public Accountants, Boston, MA. The audit was initiated on 17 May 1976 and the final report was dated 7 June 1976. The report contained several conditions and recommendations.

Conferences and training courses were attended as follows:

From 15 - 26 March 1976, Mr. Kenneth E. Jackson attended the Internal Review Course at Fort Benjamin Harrison, IN.

From 2 August - 2 September 1976, Mr. Kenneth E. Jackson attended the Military Accounting Course at Fort Benjamin Harrison, IN.

From 21 - 22 February 1976 and 22 - 23 June 1976 Mr. Edgar H. Dodson, Mr. John L. Kirk, and Mr. Roy B. Ward attended the second and third sessions of the Statistical Sampling for Auditors Course conducted at Washington, DC, and St Louis, MO, respectively, by the City University of New York.

From 28 June - 2 July 1976 Mr. John L. Kirk attended the Standard Army Civilian Payroll System Course conducted at this headquarters by ALMC, Fort Lee, VA.

From 3 - 11 June 1976 Mr. John L. Kirk attended the Commercial and Industrial Type Functions Course conducted at this headquarters by MISD, TRADOC.

From 19 July - 20 August 1976 Mr. Kenneth D. Barret attended the Military Comptrollership Course at Fort Benjamin Harrison, IN.

From 26 - 29 October 1976 Mr. Kenneth D. Barret attended a Resource Management Conference at TRADOC.

Congressional visits:

The Honorable William L. Dickinson, United States Congressman, Alabama, and Mr. Anthony Battista, Congressional Aide for the House Military Affairs Committee, Subcommittee on Research, Washington, DC, visited Fort Rucker on 14 December 1976. The general purpose of the visit was to discuss aviation training status and trends and MCA programs proposed for FY 78 at this headquarters.

Mr. Richard D. Lieberman, Senate Appropriation Committee, Washington, DC, visited Fort Rucker during the period 16 - 17 December 1976. The general purpose of the visit was to discuss aviation training with knowledgeable officials at this headquarters.

PROGRAM AND BUDGET DIVISION

ACCOMPLISHMENTS

DA Special Flying Hour Program Task Force - The DA staff has been directed to conduct an indepth analysis of Army aviation's accident/incident experience and develop a flying hour program structured around unit readiness, predicted accident rates and the requisite level of resources required to support a given level of readiness. Further communication between HQDA and HQ TRADOC revealed DA was primarily interested in proficiency flying hours relative to consideration of "fencing" appropriations and requiring a quarterly report of flying hours flown. After a carefully prepared indepth study had been completed, this office recommended to HQ TRADOC and HQDA that funds for the flying hour program not be fenced and additional quarterly flying hour reports not be established. Final decision is pending.

Submission of material for the Research, Development, Test and Evaluation (RDTE) budget estimates - On 5 August 1976, this office in conjunction with the USAAVNBD, developed and prepared the FY 77, FY 78 and FY 79 budget estimates for the RDTE appropriation. The USAAVNBD is a newly created TRADOC activity funded in late FY 76.

TRADOC Program Analysis and Resource Review (TPARR) - A TPARR submission is primarily designed to get new stub entries in DA's Program Objective Memorandum (POM) so all HQDA, OSD and OMB analysts can contemplate TRADOC requirements before the budget process commences. In our letter to TRADOC we provided specific data on our projected FY 79 Program in the areas of Combat Development (CD)/Training Development (TD) Interface, Modeling/Simulation, TD products and training loads. In addition, we addressed high interest areas projected for FY 79 and "aired" our views on other budgetary items of interest.

Foreign military training (FMT) - During the past 12-24 months OSD and Congressional emphasis on FMT billing, collecting, and costing procedures have greatly intensified. Methods of computing course costs have been revised to insure a more accurate distribution of costs. Congressional interest in FMT procedures have prompted assurance from installations that all reimbursements are being billed and collected. During CY 76 FMT course costs were revised three times. Due to increased attention on FMT, the program has become so complex that the need to update the present manual method of accounting procedures became evident. For several months Mrs. Aldridge, this office, and Mr. Givens, MISO, have

been in the process of converting from a manual to an automated system. The new system will offer more detailed information in the form of computer printouts.

FY 76 Budget Actions are as follows:

Austere funding conditions continued in effect throughout FY 76. Continuous efforts were expended to obtain necessary funds for support of FY 76 operations. FY 76 funding requirements stated in the FY 76 Budget Execution Review (BER) were:

<u>SOURCE</u>	<u>AMOUNT</u>
TRADOC OMA	\$84,863,400
TRADOC FHMA	3,346,600
FORSCOM OMAR	1,019,200
FORSCOM OMA	821,100

From a budgetary standpoint, perhaps the most significant event to occur during CY 76 was the changing of fiscal years. The Congressional Budget and Impoundment Control Act of 1974, Public Law 93-344, signed by the President on 12 July 1974, established a new congressional budget process for a fiscal year to run from 1 October - 30 September 1976 effective with FY 77. The first new-style year began 1 October 1976. The three months between the end of FY 76 and the beginning of FY 77 became known as the Transition Quarter (FY 7T). The FY 7T obligations as of 30 September 1976 were:

<u>SOURCE</u>	<u>AMOUNT</u>
TRADOC OMA	\$21,236,596
TRADOC FHMA	718,393
FORSCOM OMAR	224,495
FORSCOM OMA	211,215

FY 77 Budget Actions are:

The TRADOC Installation Contract was signed 23 November 1976. The contract outlined objectives to be accomplished within available resources. FY 77 resources made available by the contract are:

<u>APPROPRIATION</u>	<u>TRADOC</u>	<u>FORSCOM</u>	<u>1/</u>
OMA	\$85,125,900	\$1,092,300	
FHMA	2,721,100		-0-
OMAR	-0-	785,700	
RPA	78,000		-0-
RDTE	1,139,100		-0-

1/ FORSCOM did not sign a Contract/Commander Resource Agreement for FY 77. Above figures are derived from Fund Authorization Documents (FAD's).

The aviation training missions as stated in the FY 77 Command Operating Budget Estimate (COBE) were:

<u>TYPE OF TRAINING</u>	<u>OUTPUTS (GRADUATES)</u>		
	<u>FY 76</u>	<u>Change</u>	<u>FY 77</u>
Initial Entry	(750)	(+100)	(850)
Active Army	626	+ 49	675
USAF	50	-0-	50
EURO/NATO	-0-	+ 55	55
AMT	70	-0-	70
Other	4	- 4	-0-
Aviator Graduate	1,248	+313	1,561
CMST	48	+ 4	52
OFF/SM Nonflight	<u>4,032</u>	<u>+434</u>	<u>4,466</u>
TOTALS	6,078	+851	6,929

The FY 77 COBE was furnished TRADOC and FORSCOM in June 1976 and considered fund requirements as follows:

<u>OMA FUND</u> <u>REQUIREMENTS</u>	<u>OMAR FUND</u> <u>REQUIREMENTS</u>	<u>FHMA FUND</u> <u>REQUIREMENTS</u>
TRADOC \$94,182,800	\$ -0-	\$3,674,700
FORSCOM 1,045,500	1,054,900	-0-

Conferences attended in FY 77 were:

From 2 - 4 February 1976 Mr. Lindsey and Mrs. Aldridge, Budget Analysts, attended a TriService meeting on Pricing of Tuition for Pilot Training of Foreign Students conducted at Randolph Air Force Base, TX. The purpose of the meeting was to compare and resolve any major price differences for common courses taught by the Army, Navy and Air Force.

From 27 - 30 July 1976 Mrs. James, Budget Analyst, attended a Stock Fund Seminar at Fort Monroe, VA. Topics of discussion included Stock Fund Management Problems, Accounting Problems and Budget Preparation.

From 26 - 29 October 1976 Mr. Broxson, Budget Officer, attended the TRADOC Resource Management Conference at Fort Monroe, VA. Attendees discussed future fund restrictions and efficient use of all resources.

FINANCE AND ACCOUNTING DIVISION

ACCOMPLISHMENTS

The JUMPS-Army reject rate for CY 76 averaged .93% per month.

Late pay change input during the year averaged 6.9% of automated items input into the JUMPS-Army system. Late pay changes were computed on a base of 15,139 automated items out of 137,756 total pay changes input during the year.

A Class B Agent office was operated at Camp Shelby, MS, during the period May-August 1976. During this time approximately 29,544 payments in the amount of \$8,425,005.84 were made to Army Reserve and National Guard personnel.

Christmas partial payments were made to 304 military personnel in the amount of \$51,915.

Disbursements of \$234,603,715.07 and collections of \$87,863,885.63 were made during CY 76, an average daily business of \$1,274,575.50.

The FAO conducted a savings bond drive during May 1976.

The FAO underwent a conversion to the Standard Army Civilian Pay System during 1976. Initial functional training was conducted during the period 7 - 11 June 1976. Actual conversion took place during the period 3 - 14 July 1976. Functional training, actual conversion, and follow-on operations required approximately \$11,000 in overtime compensation during 1976.

FY 76 and FY 77 closeouts were accomplished as the federal accounting cycle was adjusted from 1 July - 30 June to 1 October - 30 September 1976. No difficulties were encountered.

Average monthly workloads accomplished included 3,385 travel vouchers processed; 5,971 Personal Financial Records maintained; 45,873 cash payments, collections, checks and bonds; 6,358 commercial invoices processed; 2,981 civilian personnel paid; and 11,480 military pay changes.

Nonappropriated Funds Central Accounting Office (NAFCAO).

The Nonappropriated Funds Service Center (NAFSC) physically transferred from building 603 to building 110 on 30 and 31 January and 1 February 1976. On 2 February 1976 the NAFSC was officially redesignated the Nonappropriated Funds Central Accounting Office (NAFCAO) and effective 1 July 1976 was placed under the direct staff supervision of the Chief, Finance and Accounting Division. The NAFCAO provides standardized, centralized, accounting services and independent reporting and analysis of

accounting data to participating fund custodian and/or the command. Monthly NAFCAO operating expenses for CY 76 have been averaging just below \$17,000.00.

The NAFCAO constitution and bylaws were reviewed and updated, to include the changing of the method of prorating NAFCAO operating expenses based upon gross income of the preceding month to using current month gross income figures.

Since March 1976, the NAFCAO has participated in the US Army Finance and Accounting Center (USAFAC) directed project to convert locally designed automated accounting programs to a standard automated system for nonappropriated fund activities.

OFFICE OF FORCE DEVELOPMENT

ORGANIZATION

On 26 October 1976 the Office of Force Development became an office under the Directorate of Resource Management and simultaneously was assigned the management analysis and TRAMIS functions. The Office of Force Development is organized into the following divisions:

Manpower Division
Management Analysis Division

MISSION

The Office of Force Development is responsible for manpower, equipment, force structure management; review and analysis, management analyses; statistical reporting; and organization structure. Functional responsibilities are to develop and manage the USAAVNC manpower program, to include preparation and maintenance of Tables of Distribution and Allowances (TDA's)/Modification Tables of Organization and Equipment (MTOE's); plan and conduct manpower, equipment, and organization surveys/studies and system analysis in areas relating to organization and resource utilization; conduct the Commander's Progress Review (Review and Analysis); administer the reports control system; administer the Quick Return on Investment Program (QRIP); manage the TRADOC Management Information System (TRAMIS); determine and obtain manpower resources required to accomplish current and projected missions; supervise the preparation of data for the TRADOC Review of Manpower (TRM); prepare and maintain USAAVNC Regulation 10-1 (Organization and Functions); program manpower resources to applicable accounting levels for budget and related actions; conduct cost analysis and tradeoff studies; control civilian hire program; direct and accomplish the Installation Army Authorization Documents System (ITAADS); process Basis of Issue Plans (BOIP); and serve as the manpower advisor to the installation Program Resource Advisory Committee (PRAC).

PERSONNEL

On 26 October 1976 Mr. Howell L. Flowers was assigned as Chief, Manpower Division, OFD.

On 17 December 1976 LTC George E. Leaf, Chief, Office of Force Development was transferred to USAAVNC Troop Brigade.

On 17 December 1976 MAJ Marquis D. Howell was assigned as Chief, Office of Force Development.

MANPOWER DIVISION

ACCOMPLISHMENTS

TRADOC Review of Manpower (TRM) - The US Army Training and Doctrine Command (TRADOC) has the mission to train and educate the entire Army. The Department of the Army conducts a semi-annual DA Training Program Conference (White Book Conference) in April and October of each year. This conference develops programed input by course for all TRADOC school courses and programed trainee input for all army training centers. The TRADOC Review of Manpower (TRM), formerly the Training Base Review (TBR), repostures the Army Schools System to support the programed fiscal year workload resulting from the White Book conferences. Through the TRM process, each installation/school/center must develop and justify annual manpower and equipment requirements needed to train the assigned total programed student input/load. The Office of Force Development participated in two TRADOC Reviews of Manpower in 1976. During the period 25-28 May 1976 manpower and equipment requirements were validated for FY 77 and updated for FY 76. During the period 29 November - 4 December 1976 manpower and equipment requirements were validated for FY 78 and updated for FY 77. Formal documentation of the adjustments resulting from these TRM's was accomplished to finalize these actions.

Study Group Participation:

The Office of Force Development provided representatives to a variety of study groups during 1976. These representatives provided management analyses and budget/manpower data. A partial list of the major studies is provided below:

US Army Aviation Training Study - Starting with a questionnaire to Army aviators and an intensive study of the present method of training aviators, the US Army Aviation Training Study Group was formed to develop the optimum aviation training possible within resource constraints. Continuing work from 1975, the study group formulated, resourced, evaluated, and revised alternatives to arrive at the optimum mix of aviation training to best meet the Army's needs in the late 1970's and 1980's. HQ TRADOC

and DA have accepted a majority of the Study Group findings/recommendations. Implementation is being accomplished on a phase-in basis.

Interservice Air Traffic Control (ATC) Study - In a continuing effort, the Interservice Study Group formulated, resourced, evaluated, and revised alternatives to arrive at the most effective and efficient method of training air traffic control (ATC) personnel for the services. The proposal that Army ATC training be consolidated with the Air Force ATC training at Keesler AFB, MS, was studied but was not found to be cost effective. Further alternatives and revised cost analyses are being studied at DOD.

UTTAS Maintenance Training Study - A study group was formed to evaluate and identify the most desirable location to conduct UTTAS maintenance training. A training plan, Course of Instruction (COI), and necessary resource requirements were developed and a recommendation made to assign UTTAS maintenance training at USAAVNC. A decision on this action is pending.

Control of Augmentation Requirements:

USAAVNC Regulation 310-4, dated 21 April 1975, provides augmentation policy, guidance, and procedures for use in controlling special duty and other similar personnel assignments. TRADOC guidance also requires the documentation and command approval of military augmentation positions along with the conduct of a quarterly review to implement required adjustments. Based on these procedures, the augmentation TDA was reviewed and adjusted by the Office of Force Development and participating activities on 29 May 1976 and 25 August 1976.

School Model 76:

School Model 76 was developed by HQ TRADOC to more effectively align and delineate the functions and responsibilities inherent in the training mission of the service school. Service schools were extensively restructured by the proposed School Model 76. To study and coordinate the implementation of School Model 76 at USAAVNC, a study group was formed in late December 1976. The study group issued a Letter of Instruction (LOI) on 19 January 1976 implementing School Model 76 on an operational control (OPCON) basis effective 1 February 1976. The reorganization was supported by an OPCON TDA, issued on 20 January 1976, pending finalization of study efforts and formal TDA documentation. The School Model was formally documented on the 0177 TDA, effective 2 October 1976.

Restructure of Program 8:

The restructure of Program 8 is one of several on-going actions designed to provide proper resource accountability and visibility for the diverse

TRADOC missions. It is designed to enhance the delineation of functions and responsibilities brought about by School Model 76. Though it is programed to be fully implemented in FY 78, TRADOC funded installations were required to convert budget/manpower data on FY 77 budget contract to the proposed new structure. Per TRADOC guidance, the manpower data was reviewed and FY 77 budget contract reprogramed by the Office of Force Development/activities on 10 December 1976.

SIDPERS/VTAADS Interface:

The interface of SIDPERS and MILPERCEN Personnel Authorization Files (PAF) was accomplished in June 1976. The procedure involved comparing MILPERCEN personnel tapes with Fort Rucker SIDPERS input line item by line item. MOS and other personnel data errors were then identified and brought to the attention of manpower personnel in the involved commands. This action insured the consistency of MILPERCEN and SIDPERS personnel data.

Borrowed Military Manpower Report:

Congress expressed interest in the use of Borrowed Military Manpower (BMM). Therefore, the completion of a comprehensive report to show the beneficial and adverse aspects relative to the use of BMM was required by HQ TRADOC. All activities (including tenants) provided input to the report. Data submitted indicated that--(1) approximately 69 man-months are borrowed each month by various units, excluding details (less than seven days); (2) borrowing labor creates some morale problems; and, (3) the loaning of BMM by STRAF/REFORGER units has some adverse impact on readiness.

US Army Aviation Board (USAAVNBD):

A joint AMC/TRADOC workgroup was formed in 1975 to breakout the US Army Aviation Test Board into an Aviation Development Test Facility and an Aviation Operational Test Board. The Aviation Development Test Facility would remain with AMC and the Aviation Operational Test Board would transfer to TRADOC from AMC. A draft copy of the US Army Aviation Board (USAAVNBD) TDA was submitted to TRADOC early in 1976. The document contained 19 officers, 3 warrant officers, 30 enlisted, and 36 civilians for a total of 88 positions. A revised copy was submitted to TRADOC on 5 May 1976. General Orders, dated 26 May 1976, assigning the USAAVNBD to USAAVNC were received from TRADOC. This revised document was processed to HQDA for approval on 18 June 1976. TRADOC has tentatively approved a manpower increase of 24 positions (16 officer and 8 enlisted) for the USAAVNBD. A TDA update was prepared and submitted to TRADOC on 14 December 1976.

MANAGEMENT ANALYSIS DIVISION

ORGANIZATION

On 26 October 1976 the Management Analysis Division was transferred from the Office of the Comptroller to the Office of Force Development (OFD).

MISSION

Changes in the mission of Management Analysis Division were effected as follows: Effective 4 March 1976 Defense Integrated Management Engineering System (DIMES) was discontinued. On 20 September 1976 TRADOC Management Information System (TRAMIS) function was assumed.

PERSONNEL

The discontinuance of DIMES resulted in the loss of four management analyst authorizations. The assumption of TRAMIS restored two authorizations - one management analyst and one clerk, plus one temporary data transcriber.

On 26 June 1976 reassignments were as follows: Mr. Calvin Dean to USA Aviation Board, Mr. Howard C. Hoeffler and Mrs. Polly J. Waters to USAAVNC Troop Brigade, Mr. John A. Parham to Directorate of Industrial Operations.

On 3 October 1976 Mrs. Helen W. Morgan and Mr. Howard C. Hoeffler were reassigned to Management Analysis Division and on 14 November 1976 Mrs. Lucille R. Creamer was promoted to TRAMIS Clerk.

Conferences and training courses/seminars were attended as follows:

On 13-16 January 1976 Mrs. Jeannette H. Carr attended Statistical Techniques for Analysis Course at US Civil Service Commission Regional Training Center, Atlanta, GA.

On 2-5 June 1976 Mr. Harry Howell attended a Combat and Training Development Management Information System (CTDMIS) Workshop at Fort Benning, GA.

On 8-27 August 1976 Mr. Harry G. Howell attended a Seminar for New Managers at US Civil Service Commission Executive Training Center, Oak Ridge, TN.

On 6-8 October 1976 Mr. Clark K. Davis attended an International Word Processing Seminar at Dallas, TX.

On 9-10 November 1976 Mr. Benjamin H. Zorn attended a TRAMIS Users Conference at Fort Leavenworth, KS.

ACCOMPLISHMENTS

Management studies were accomplished in the following areas:

Directorate of Training Developments

Economic Analysis of a Proposed Word Processing Center

Directorate of Training

Evaluation of Aircraft to Student Ratio Flight Records
Branch

Department of Academic Training

Administrative Branch

Supply Branch

Feasibility of Relocation of Air Traffic Control Classrooms
Location of a Briefing Room for Flight Simulator Students

Directorate of Personnel and Community Activities

Adjutant General Division

Recreation Services Division

Directorate of Industrial Operations

Aircraft Logistics Management Division

Transportation Division

United States Army Aircraft Development Test Activity

Evaluation of System of Recording Flight Time

USAAVNC Troop Brigade

Feasibility of Establishing Personnel Administration Centers
(PAC's)

Management Information Systems Office

Installation Key punch Operations

A special management study was conducted to implement a TRADOC directed reorganization (TRADOC School Model 76). The study was concluded 19 January 1976 and resulted in a USAAVNC training/development structure of five major organizations as follows: Deputy for Combat Developments (DCD), Deputy for Training Developments (DTD), Deputy for Training (DT), Deputy for Standardization (DS), and USAAVNC Troop Brigade. The organizational changes were effective 1 February 1976. The Chief, Management Analysis Division was a member of the study group which was chaired by the Comptroller.

SECRETARY GENERAL STAFF

ORGANIZATION

The Secretary of the General Staff is organized in three divisions:

Secretary of the General Staff
Protocol Division
Administrative Division

MISSION

Secretary of the General Staff - Directs and controls overall operation of the Protocol and Administrative Divisions; coordinates and supervises the flow of correspondence, messages and administrative actions within the Command Group/General Staff complex; and designates action agencies on incoming correspondence to the 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 for the Headquarters, and the Field Officer of the Day/Staff Duty Officer.

PERSONNEL

The following military personnel assignments were made:

MAJ Joseph R. Gaston, Secretary General Staff, effective 12 July 1976.
MAJ Robert F. Woodruff, Chief, Protocol Division, effective 11 August 1976.
2LT Karl W. Uchrinscko, Escort Officer, effective 21 July 1976.
CW2 David R. Bailey, Command Pilot, effective 20 March 1976.
SGT Vicki J. Shelton, NCOIC, Protocol Division, effective 3 September 1976.

On 19 July 1976 MAJ John W. Findlater, Jr., departed for the Command and General Staff College, Fort Leavenworth, Kansas.

On 17 September 1976 CPT Michael T. Markowski assumed duties as S-1, USAAVNC Troop Brigade.

On 9 November 1976 1LT William T. Edens departed for the 2d Infantry Division, Korea.

On 29 July 1976 1LT Frankie S. Wilmoth departed for the Armor Officer Advanced Course, Fort Knox, Kentucky.

ACCOMPLISHMENTS

The Office of the Secretary General Staff provided support or assistance to over 300 official visits to the United States Army Aviation Center. More than 90 official visitors were general officers or equivalent and included Congressman William Dickinson; Dr. Theodore C. Marrs, Special Assistant to the President for Human Resources; The Honorable Orla Moller, Minister of Defense, Denmark; Mr. James Finsterle, Assistant Secretary of Defense for Land Forces; Mr. George Marienthal, Deputy Assistant Secretary of Defense for Environment and Safety; The Honorable Edward A. Miller, Assistant Secretary of the Army for Research and Development; General William C. Westmoreland; General Andrew Cucino, Chief of Staff, Italian Army; Lieutenant General Frank A. Camm and Lieutenant General (Retired) George P. Seneff.

On 23 August 1976 the Aviation Center hosted the 15th Joint Services Aviation Safety Conference attended by 103 representatives from the Federal Government and from the military. The European/NATO Joint Services Sub-Group for Training Conference was held on 2 April 1976 and was attended by representatives from the Department of Defense and delegations from the Federal Republic of Germany, Denmark, Norway and the Netherlands. On 27 April 1976 the Aviation Center hosted a delegation of 40 officers from the United States Air Force Air War College. The Bicentennial and Army Aviation's 34th Birthday Celebration was held at the Aviation Center on 5 June 1976.

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

In April of 1976 Major Peter J. Kane received his promotion to Lieutenant Colonel.

In June of 1976 Lieutenant Colonel Kane departed this command for duty with the Office of the Staff Judge Advocate, 7th Headquarters US Army Europe and 7th Army, with station at Heidelberg; upon his departure he was awarded an Oak Leaf Cluster to his Meritorious Service Medal for his activities at Fort Rucker.

On 15 July 1976 Lieutenant Colonel George S. Harrington, Jr., arrived at Fort Rucker to assume the position of the Staff Judge Advocate.

During the period between the departure of Lieutenant Colonel Kane and the arrival of Lieutenant Colonel Harrington, Captain Frank T. Pandora, II assumed the position of interim Staff Judge Advocate. Upon Lieutenant Colonel Harrington's arrival in July, he reverted to his status as Deputy Staff Judge Advocate which was terminated in October by Captain Pandora's separation from the Army to return to private practice, which was accompanied by an award of the Meritorious Service Medal.

Upon the departure of Lieutenant Colonel Kane, Captain Bruce M. Ferg became the Acting Deputy Staff Judge Advocate; he permanently assumed the status of Deputy Staff Judge Advocate upon the departure of Captain Pandora in October 1976.

In April of 1976 Captain Jonathan S. Kurtin departed this command to return to private practice. Upon his departure he received an award of the Army Commendation Medal.

In June of 1976 Captain John Henningsen departed this command for duty with the Office of the Staff Judge Advocate, Disciplinary Barracks, Fort Leavenworth, Kansas; upon his departure he received an award of the Army Commendation Medal. Also during June of 1976, Captain Thomas L. Webb ended his term of military service to return to private practice; upon his departure he received the award of the Army Commendation Medal.

In July 1976 W01 Rosauro Lindogan departed this command for duty with the Office of the Staff Judge Advocate, Retraining Brigade, Fort Riley, Kansas.

During April of 1976 two new officers were assigned to the Office of the Staff Judge Advocate: Captain Stephen Brook (who was subsequently assigned duty as Legal Assistance Officer and Defense Counsel) and Captain Philip Glasser (who was assigned duties with the Administrative Separations Section and with the Claims Section).

On 13 June 1976 Master Sergeant Walter G. Jester arrived at Fort Rucker to assume the position of Chief Legal Clerk in the Office of the Staff Judge Advocate. Shortly after his arrival, he was awarded a Second Oak Leaf Cluster to the Army Commendation Medal for his outstanding service at his prior post.

On 20 December 1976 Captain Robert Higginbotham arrived at Fort Rucker; he was assigned duties with the Administrative Separation Section as Chief, Instructional Officer.

During July 1976 SP6 Derald Stange was the NCO of the Month for both the 11th Company and 1st Battalion; during the same month, SP5 Thomas McClain attained the Soldier of the Month Award for the 11th Company, 1st Battalion.

During Calendar Year 1976 the following civilian employees were recognized for their outstanding performances and have received outstanding performance ratings:

Mrs. Faye Haney
Mrs. Evie G. Keelin
Mrs. Catherine P. Bradley
Mrs. Betty J. Johnson
Mrs. Patricia R. Mullins
Mrs. Sharon Ziel

Also during Calendar Year 1976 the following employees received Sustained Superior Performance Awards:

Mrs. Catherine P. Bradley
Mrs. Faye Haney
Mrs. Betty J. Johnson
Mrs. Sharon Ziel

Mrs. Patricia R. Mullins was awarded a Quality Step Increase in pay.

ACCOMPLISHMENTS

Administrative Law Section: This section has received approximately 1125 inquiries, an increase of almost 45%, 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 thorough legal research and review.

Military Justice Section: Between 1 January and 31 December 1976, this section provided counsel in 20 trials by Special Court-Martial. In addition 1 record of a summary court and 579 records of proceedings under Article 15, Uniform Code of Military Justice, were reviewed for legal sufficiency. Several cases were processed for general court-martial during this period, including 9 Article 32 investigations. While no General Courts-Martial were tried in Calendar Year 1976, one was substantially prepared during the year and tried on 4 January 1977. In the year 1976 this section prepared and processed to completion 14 discharges under the provisions of Chapter 10, AR 635-200. As Fort Rucker does not have a military judge permanently assigned, it is necessary to request a military judge from Fort Benning, Georgia, to try all courts-martial. Over the year the SJA office has utilized a military judge on an average of 2 days per month.

Defense Section: During Calendar Year 1976 the Defense Section provided counselling for all trials by court-martial, flying evaluation boards, and student investigations under the provisions of AR 15-6. In addition, the Defense Section provided counsel to approximately 50 military personnel under provisions of ARs 635-200 and 635-206 where boards were required, and counselling in other non-board cases. A total of approximately 700 persons received counseling or other assistance.

Administrative Boards Section: During Calendar Year 1976 this section processed 87 elimination actions under the provisions of Section III, AR 635-206 and Chapters 13, 14, and 16, AR 635-200, as well as providing reporters for 22 elimination board proceedings. The Administrative Boards Section operates under the Legal Center Concept and is responsible for preparing all paperwork pertaining to the administrative eliminations from the time the unit commander concerned initiates the action until the subject individual is officially discharged. This section is extremely valuable to the command in that it fulfills many tasks formerly performed by the company clerks, battalion S-1 clerk, and the brigade S-1 clerk.

Legal Assistance Section: During 1976 the Legal Assistance Section of the Office of the Staff Judge Advocate handled approximately 6,000 legal problems for active duty and retired military personnel and their dependents. This was an increase of approximately 20% over the number of 1975 inquiries. In dealing with the 6,000 legal problems that were presented, approximately 2,500 legal documents and letters were prepared

by the Legal Assistance Section. In addition, numerous classes were presented to personnel on post. These classes included presentations on legal assistance services available to retirees, a seminar in February for approximately 60 unit tax advisors on Federal and State income tax (preparing them to advise individuals at the unit level on preparation of individual income tax returns) and classes for Advanced and Senior Warrant Officers. As part of the Legal Assistance para-professional program, the paralegal was able to free the Legal Assistance Officer for approximately four hours per day by screening out the non-legal or quasi-legal problems from the workload. This program has provided each individual who desires to see an attorney the opportunity to do so within a reasonable period of time. The Legal Assistance Section also participated in the Emergency Readiness Deployment Plan by preparing wills and powers of attorney to assist the unit in a faster outprocessing plan.

The Procurement Legal Section: Proposed contracts approximating \$35 million were reviewed for legal sufficiency. Over 400 written and 900 oral opinions were cited to Procurement, DIO, on such matters as suits, protests, congressional inquiries, bonds, claims, and solicitations. The section attended scores of technical and evaluation board meetings, negotiating and claim sessions, conferences and seminars. Procurement Legal researched and prepared positions on and participated in an increased number of contractor actions involving the Comptroller General, Armed Services Board Contract Appeals, Federal Court, Labor and Justice Departments, Small Business Administration, and contractor-employee labor relations problems.

Claims Section: This section received 1001 claims filed against the United States in the Fort Rucker geographical area for Calendar Year 1976. There were 1030 claims adjudicated and payment made in the amount of \$254,924.91. The Claims Section also filed approximately 732 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 adjudications 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 \$107,533.71 was collected and deposited to the account of the Treasurer of the United States. Of this total, \$45,623.28 was recovered from third party damage to Government property and negligent injury to Government personnel and dependents causing medical treatment at government expense.

DIRECTOR OF TRAINING

ORGANIZATION

The Director of Training is composed of four departments and one division.

Department of Resident Training Management
Department of Academic Training
Department of Graduate Flight Training
Department of Undergraduate Flight Training
Extension Training Management Division

MISSION

Serves as Command Aviation Officer, Program Director of Programs 2 and 8, and principal advisor to the Commanding General and/or Deputy Commanding General for development, conduct, and administration of resident instruction for which the USAAVNC is proponent. Provides aviation instructional materials to other service schools and active and reserve units. Directs the efforts of the USAAVNC resident training departments.

PERSONNEL

Colonel Edward J. Porter served as Director of Training and Lieutenant Colonel Arthur R. Vaughn as the Assistant Director of Training from 1 January 1976 through 31 May 1976. Colonel Kenneth J. Burton replaced Colonel Porter, and Lieutenant Colonel Lawrence D. Pierce replaced Lieutenant Colonel Vaughn; both remained in the positions through 31 December 1976. Mr. James D. Patton was assigned as Chief, Extension Training Management Division throughout the year.

The Director of Training office and the Extension Training Management Division authorized strength at the end of 1976 is as follows:

Officers, 2; Enlisted, 1; Civilians, 13; Total, 16.

DEPARTMENT OF ACADEMIC TRAINING

ORGANIZATION

The Department of Academic Training is composed of a Headquarters, an Administrative Branch, a Supply Branch, an Operations Division, a Learning Center and five training divisions:

Air Traffic Control
Career Training
Flight Simulator
Maintenance Training
Flight Subjects

The United States Air Force Operating Location AK, 4525th Combat Applications Squadron, Tactical Air Command, is attached to Department of Academic Training for administrative control.

MISSION

Conducts academic training for the Army Aviation Center to support flight, maintenance, flight operations, air traffic controller, non-commissioned officer education system and warrant officer professional development courses of instruction. Operates synthetic flight training systems and conducts procedural training. Provides synthetic flight training systems' (SFTS) software training support for all SFTS devices worldwide. Provides core, supplemental, and remedial instructions through operation of a learning center. Provides administrative and logistical support of assigned elements.

Operation Division plans, coordinates, and schedules academic instruction conducted by DOAT; coordinates mobile training teams and instructional support; assists in curriculum development.

Air Traffic Control Division conducts advanced individual training (AIT) and NCOES basic and advanced training for MOS 71P, 93H, and 93J.

Career Training Division provides an advanced and senior educational program to further the professional development of selected warrant officers and conducts common subjects instruction for the basic and advanced NCOES courses for enlisted aviation personnel.

Flight Simulator Division operates the UH-1 Flight Simulators (FS) in support of students and the surrounding area; conducts cockpit procedural training for Initial Entry Rotary Wing students, UH-1 FS Instructor Pilot training and UH-1 FS operator courses. Provides SFTS software training support to all SFTS devices located worldwide.

Flight Subjects Division conducts academic instruction in support of aviation qualification and graduate courses of instruction.

Maintenance Training Division conducts advanced individual training for MOS 67N and 67V2T and provides maintenance training for aviator qualification and graduate courses of instruction.

USAF Operation Location AK, 4525th Combat Applications Squadron, Tactical Air Command, conducts resident instruction for the USAAVNC on USAF subjects and the USAF aspects of joint aviation operations; serves as USAF advisor to the USAAVNC, performs liaison tasks between appropriate elements of the USAF and the USAAVNC.

PERSONNEL

Colonel Howard E. Brown, assigned as department director in October 1973, continued in that capacity throughout calendar year 1976.

Key personnel changes during the year:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival/Departure Dates</u>
LTC C.E. Harris	Dep Dir	28 Apr 75 - 14 Mar 76
LTC W.H. Wittekind	Dep Dir	15 Mar 76 - Present
LTC C.E. Anderson	Ch, Opns Div	9 Sep 76 - Present
MAJ J.F. Pittenger	Ch, Opns Div	4 Nov 75 - 9 Sep 76
MAJ P. Noyes	Ch, MTD	14 Oct 75 - 7 Nov 76
CPT C. Foster	Ch, MTD	8 Nov 76 - 17 Jan 77
MAJ I. Travis	Ch, MTD	17 Jan 77 - Present
LTC E.E. Curbow	Ch, FSI	15 Mar 76 - Present
LTC R. Stebbins	Ch, FSU	28 Apr 75 - 27 Feb 76
MAJ R. Lester	Ch, FSU	28 Feb 76 - 21 Oct 76
MAJ R. Stewart	Ch, FSU	22 Oct 76 - Present

ACCOMPLISHMENTS

The department provided academic training in support of 59 courses of instruction (COI) during the calendar year. The following Reserve/National Guard Training was supported by the department during the year:

Tennessee National Guard ATC Tng - 10 - 11 Jan
131st Avn Bn, Jackson, MS ATC MTT - 7 - 8 Feb, 6 - 7 Mar
Trp 1124 Cav - 19 - 22 Feb
130th Avn Bn, TN National Guard ATC MTT - 20 - 21 Mar
131st Avn Bn, Jackson, MS ATC MTT - 3 - 4 Apr, 1 - 2 May
30th Avn Bn/449th Avn Co - 25 Apr - 8 May
Penn NG, CH-47 MTT - 29 Apr - 10 Aug
131st Avn Bn, Jackson, MS ATC MTT - 5 - 6 Jun
635th AHC - 12 - 25 Jun
130th Avn Bn, TN NG ATC Tng - 28 Jun - 9 Jul
131st Avn Bn, MS NG ATC Tng - 26 Jun - 11 Jul
122nd ARCOM, Norman, OK - 6 - 18 Jun
Minn NG, ATC Inst - 12 - 23 Jun
MARTD, Marietta, GA - 7 - 8 Aug
300th Avn Co - 9 - 20 Aug
1160th Trans Co, Albany GA - 23 Aug - 3 Sep

AVIATION LEARNING CENTER

The Aviation Learning Center gave assistance to a total of 31,701 students during the calendar year. Several training aids were added and audio-visual equipment doubled for better student service. One of the major

training aids is a transportable package for low level navigation designed to assist flight students in tactical flying.

In January an enrichment program was implemented for 71P students, providing a more productive approach to their training. This program was expanded to include the 67N, 67V, 93H and 93J courses later in the year.

The Aviation Learning Center completed approximately 45 tasks/projects during the calendar year.

AIR TRAFFIC CONTROL DIVISION

During this calendar year branches of the Air Traffic Control Division have moved broadly to individualize their training program. Most of the division's training has transformed from instructor-centered, conventional lecture programs to student-centered, self-paced programs reliant upon programmed texts, audio visual materials, peer instruction, and other techniques which put the faculty into the role of training manager and student counselor, as opposed to lecturer. Total self-pacing of the first forty days of military occupational specialty (MOS) 93H and 93J (apprentice level) was completed in August 1976. This achievement culminated two years of development which had its beginning with the formal adoption of the Federal Aviation Administration (FAA) program in October 1974. The new instruction, featuring individual carrels, 35mm slide projectors and student response recorders gave the course a new look. The use of response recorders in training verbal skills proved highly successful. Its use allows students to master complex clearance procedures in relative privacy on the student track, while receiving feedback on the instructor's track. The instructor is able to monitor each student's progress through a laboratory hook-up. A branch student control center was established to assist students entering the self-paced program.

The need for tactical ATC training was recognized and emphasized; therefore, the ability to deploy became paramount. In January the Tactical Section of the Deployment Branch received seven tactical vehicles, and in February, test and evaluation was conducted at landing zone (LZ) Hank in Elba, Alabama, to determine the effectiveness of tactical deployment. Training is now conducted at Rotary Wing Tactical Areas (RT) 4, 5, 9 and 10.

Throughout the year the Deployment Branch supported the National Guard Units of Region IV, which includes: Tennessee, Mississippi, Alabama, Georgia and Texas.

The Flight Operation Training (MOS 71P) was transferred from the Flight Simulator Division to the ATC Division during January 1976. Self-pacing for MOS 71P (apprentice level) is tentatively scheduled for February 1977. Through statistical analysis, student reading deficiencies were identified as a major problem in causing a high attrition rate. However, instructor personnel have developed supplemental tapes to aid programmed texts in solving this problem.

In the Advanced Branch self-paced instruction for the VFR Tower and Radar Approach Sections was initiated in May/June. Carrels, 35mm slides and student response recorders were used in this program. The total program became a reality in September. The program is being evaluated at this time. Six VFR tower laboratories were relocated to buildings 5205, 5202 and 5301. Space utilized for this installation was originally storage areas for multi-media classroom support. Present usage will be more effective. This relocation, initiated in July 1976, was completed in December 1976.

The Department of Defense Interservice Training Review Organization (ITRO) Subgroup 222 (Air Traffic Control), with participation by personnel of this division, completed an in-depth study of a plan to combine the U. S. Army and U. S. Air Force Air Traffic Control Training at a central location. The ensuing decision was to maintain the status quo with a relook scheduled for FY 79.

Coordination between USACC and USAAVNC culminated in a project whereby the Air Traffic Control Division would train Army controller personnel to assume operation of the Fort Campbell, Kentucky, radar approach control from the U. S. Air Force effective in December 1976. A total training package was designed by instructor personnel, and simulation of the Fort Campbell controlled airspace was incorporated in the school's computer radar approach simulator. A total of six classes were conducted and 24 personnel were trained. Two similar types of training packages are in planning for Fort Hood, Texas, and Fort Sill, Oklahoma. However, the concepts differ in that skilled controller training will be accelerated for location training and facilities already in the Army inventory.

The division was tasked to train U. S. Marine air traffic controllers in radar air traffic control procedures to expedite their home base training and facility ratings. One parent organization estimates this training has reduced overall check-out time requirements by 50 percent. A total of 16 Marine controllers received Army training during calendar year 1976.

CAREER TRAINING DIVISION

During the calendar year, Career Training implemented NBC training in line with TRADOC guidance in all career development courses. Instruction is both academic and "hands-on" work. Among the 90 projects/tasks completed by CTD was a TRADOC directed revision of the NCOES program, to include addition of management related instruction in line with current training management doctrine. CTD initiated a Warrant Officer Candidate Military Development Course with instruction in Communicative Arts, Maintenance, Personnel Management, Leadership and NBC. Two Commanders' Resource Readiness Courses were formulated and produced for presentation in FY 77. These courses will update new commanders in selected functional areas prior to assuming command and are directed to the Aviation Commander as well as the Ground Commander who will control aviation resources.

FLIGHT SIMULATOR DIVISION

The Flight Simulator Division experienced a period of increased VIP briefings, reorganization, and increased responsibilities during 1976.

An overwhelming number of 6,307 visitors were briefed and toured the Synthetic Flight Training System (SFTS) facility in 1976. They ranged from the Assistant Secretary of Defense to local community groups.

During 1976, the division was reorganized by the transfer of its FO/FSS Branch to the ATC Division in January 1976, and the addition of the World Wide Software Support Branch and Flight Simulator Training Branch on 1 October 1976.

The division acquired the responsibility to perform the acceptance testing for all UH-1F's, New Material Introductory Briefings, and the conduct of the New Equipment Training for UH-1F IP's and console operators.

The CH-47FS was delivered in November 1976 and was operational in the new building in December 1976. The division was also actively involved in the 2B38 (UTTAS) developmental efforts through attendance at specification clarification conferences and in-plant mock-up conferences.

Additional flight hour requirements were generated by Reserve Component and Safety Officer Course training in the UH-1FS. In conjunction with this, a Night Visual System (NVS) was installed on device number four and Army Research Institute (ARI) conducted a transfer of training study. The study was inconclusive and request to lease the NVS for additional testing was generated. The Flight Simulator Division was also established as the USAAVNC Point of Contact (POC) for Engineer Change Proposals (ECP)/ Value Engineering Change Proposal (VECP) for the UH-1FS.

Throughout this period and in view of the reorganization and increased responsibility, the division remained productive and contributed tangibly to the USAAVNC institutional training mission.

Flight Simulator Division completed over 700 projects/tasks during the year, some of which are mentioned above.

FLIGHT SUBJECTS DIVISION

Flight Subjects Division completed fifty-five projects/tasks during the calendar year. Some of these include the following: Major training aids such as the Commo-trainer, Auxiliary Systems Platform, M-56 Mine Dispenser, Artillery Puff Board, Terrain Board and Target Identification Board were relocated, completed and/or made fully operational. The Parabolic Screen Nap-of-the-Earth (NOE) Booths in Bldg 6031 were upgraded, and fabrication of films for these booths began with three being completed. A DD Form 1391 for a prototype Tactical Laboratory was completed late in

the year. Work began on several new courses of instruction such as the Aeroscout Course, Night Vision Goggles/Night Course, and the Aviation Commanders' Resource Management Course. The Night Vision Course was completed and instruction presented to numerous Active and Reserve Forces to include NATO instructor pilots. A decontamination block of instruction and training area complete with vehicle and aircraft was developed by the Survival, Evasion, Resistance and Escape (SERE) Branch. The Survival Branch conducted the last Prisoner of War (POW) Laboratory in June 1976. A documentary film was produced to record some of the POW Laboratory procedures. The field training was terminated in December when films were made and substituted for practical exercises.

MAINTENANCE TRAINING DIVISION

After the large student input in CY 75, MTD experienced a loss of students and instructors. Again, during the last quarter of CY 76, student loads were up 364 percent from a student load low of 176 to a high of 641. MTD was tasked during the year for MTT teams for various National Guard and Reserve forces training. The training was accomplished with all favorable praise for MTD support. The Cobra TOW was added to the Courses of Instruction during the year with great success. After long hours of schools, development, writing and presentation, MTD continues to support various functions of the Director of Training Development (DTD) in addition to its normal loads. Construction of the Arms Room was initiated in July 1976, but the room is still not in use as locks and security equipment have not arrived. MTD turned in excess avionics equipment from Cat C aircraft back to depot with a large savings to the Government. MTD graduated 958 67N students, 594 67V students during CY 76. MTD completed twenty-five projects/tasks during the year, some of which are mentioned above.

DEPARTMENT OF GRADUATE FLIGHT TRAINING

ORGANIZATION

The Department of Graduate Flight Training is organized as follows:

- Headquarters
- Administrative/Supply Branch
- Safety Branch
- Operations Division
- Fixed Wing/Instrument Division with Fixed Wing Branch and Rotary Wing Instrument Branch
- Rotary Wing Division with Cargo Branch, Utility Branch, and Attack Branch

The Instrument/Aviator Qualification Office, which officially became a part of the Department on 1 Jul 75, is now OPCON to DRTM.

MISSION Conducts all advanced rotary and fixed wing flight instruction presented at the United States Army Aviation Center. Serves as contracting officer's representative for graduate flight training contracts.

PERSONNEL

Department Directors for CY 76 were:

COL Colin D. Ciley, Jr.	27 Aug 75 - 31 Jan 76
LTC Carl C. Busdiecker	1 Feb 76 - 31 Aug 76
COL Ralph L. Westrich	1 Oct 76 - Present

Other key personnel assigned to the Department were CPT Robert L. Cardin who replaced CW4 Henry A. Thomas on 12 Oct 76 as Safety Officer; CPT Manuel W. Mason who replaced MAJ Larry G. Fiegel as Chief, Operations Division, on 12 Jan 76; CPT Larry B. Higgins who replaced MAJ Charles Lepore as Chief, Fixed Wing/Instrument Division, on 7 Apr 76; and MAJ Richard C. Gogolkiewicz who replaced LTC Lawrence D. Pierce as Chief, Rotary Wing Division, on 1 May 76.

Strength figures for end of FY were:

	<u>OFF</u>	<u>WO</u>	<u>ENL</u>	<u>DAC</u>	<u>TOTAL</u>
Authorized	39	84	45	37	205
Assigned	37	67	39	38	181

The IP on-board staffing level at the close of the year was 58% of requirements and 76% of authorizations. Because of the shortage of IPs during the entire year, it was necessary to fly at a higher student/IP ratio than desired.

ACCOMPLISHMENTS

In 1976 a total of 1543 students graduated from the various courses within the Department. Included in this total were 139 Allied students representing the following countries: Argentina, Australia, Bahrain, Belgium, China, Denmark, Ethiopia, Germany, Indonesia, Iran, Korea, Norway, Spain, Thailand, and Tunisia.

During 1976 the Department of Graduate Flight Training flew 41,697 hours. The accident rate for this year was 2.39% per 100,000 flying hours. The outstanding performance of the Department is reflected by the presentation of 62 Certificates of Achievement to pilots within the Department. These awards represented a total of 587 years of experience, with 303,000 accident-free hours of flight time, of which 181,000 hours was instructor pilot time.

Doss Aviation, Inc. was presented a Bronze Plaque Flight Safety Award for the period 1 Jan 71 to 1 Sep 76 for 93,000 accident-free flight hours. The Department also received the USAAVNC National Fire Prevention Week Display Award for the third consecutive year.

In addition to the awards mentioned above, CW2 John O'Boyle received a Broken Wing Award for displaying professional judgment and skill during an in-flight emergency. Civilian employees within the Department received performance awards as follows: Outstanding Performance Ratings, 13; Sustained Superior Performance Awards, 2; Quality Step Increase, 1.

Planned implementation of the 175/40 Initial Entry Rotary Wing (IERW) Program has resulted in the development and implementation of the Night Hawk/Night Vision Goggle Instructor Pilot Course in Sep 76, and the OH-58 Aeroscout Instructor Pilot Course in Nov 76.

The Fixed Wing Multi-Engine Qualification Course (FWMEQC) was restructured to eliminate the T-41 as the Army's primary trainer, and replace it with the T-42, a multi-engine aircraft. Training ceased in the T-41 on 28 Sep 76. The first class to utilize the T-42 only was FWMEQC 77-1 which began their flight training on 16 Nov 76.

Another new Course of Instruction (COI) began in Jan 76, the AH-1S Cobra/TOW Aviator Qualification Course. Effective Oct 76 revision of the AH-1G Cobra AQC COI completely changed the emphasis on training and all flight is conducted in the various modes of terrain flight. This increases the students' proficiency in terrain flight while transitioning into the AH-1G Cobra.

Mobile Training Teams were provided by the Fixed Wing/Instrument Division to support the Fifth Army Reserve Units with one U-8 IP, and by the Rotary Wing Division to support the Pennsylvania National Guard with one CH-47 IP and one Flight Engineer. Additionally, Rotary Wing Division provided IPs for evaluation missions at the Singer Plant, Binghamton, New York. (This assistance insured timely and accurate development of the 2B31/CH-47FS.) CW2 Mike Renfro, Utility Branch, Rotary Wing Division, spent six months TDY in Iran training Iranian Army pilots in the UH-1.

The Rotary Wing Division continued to provide heavy lift support with its CH-47 aircraft. Examples of this support are aerial transport of two F-100's at Tyndall AFB, and an A-4 at Pensacola Naval Air Station, as well as the transportation of the Boeing 347 helicopter from Dothan Airport to Guthrie Field for permanent display at the Aviation Museum.

The Department conducted four Tactical Training Exercises for visiting dignitaries during CY 76. These included students of the US Air Force Air

War College, USMA Cadets, and participants in the USMC Tactical Indoctrination. In addition, numerous briefings and static displays were presented for visiting officials throughout the year.

DEPARTMENT OF RESIDENT TRAINING MANAGEMENT

ORGANIZATION

The Department of Resident Training Management is composed of three divisions:

Training Management Division
Training Support Division
Airfield Operations Division

MISSION

Coordinates and supervises training plans and requirements for resident courses of instruction relating to instructional methodology, the electives program, resident training resource requirements, resident course scheduling, and resident student input and in-training load. Determines flight hour programs to support directed training missions. Manages and schedules aircraft, classrooms, classroom equipment, and other related USAAVNC resources. Produces and presents command briefings as directed by the Command Group. Provides staff supervision over Det 9 - 16th WEA Sq and the operation of training/maneuver areas, ground/aerial ranges, flight records, airspace coordination and management, and flight training facilities.

PERSONNEL

Lieutenant Colonel Ronald A. Jones was the department director from 1 January 1976 through 31 December 1976. Major Alan W. Coulter was Chief, Airfield Operations Division from 1 January 1976 through 31 December 1976. Captain James C. McGrory was Chief, Training Support Division from 1 January 1976 through 23 June 1976; Captain George P. Wilson was Chief, Training Support Division from 24 June 1976 through 1 November 1976, and Captain Howard S. Rodesky was Chief, Training Support Division from 2 November 1976 through 31 December 1976. Major Russell H. Smith was Chief, Training Management Division from 1 January 1976 through 10 May 1976, and Major Kent D. Menser was Chief, Training Management Division from 10 May 1976 through 31 December 1976.

Officers, 20; Enlisted, 164; Civilian, 65; Total, 260.
Warrant Officers, 11;

ACCOMPLISHMENTS

Aviator Instrument Update - As a result of aviators from the Warrant Officer Advance and Senior Courses arriving in short tour areas with expired instrument ratings, the CG directed that all of these individuals have their ratings renewed prior to departing the Aviation Center. Ten Warrant Officers were identified, flown in the flight simulators, and given check rides in the aircraft. By 16 Dec 76 all of the Warrant Officers had their ratings renewed.

Night Vision Simulator - The evaluation of the night visual attachment to the UH1FS was completed 1 Oct 76. Results of the evaluation were nonconclusive and DTD has requested that the Army Training Device Agency provide additional time in order to accurately determine the training value of the device.

AN/PVS 5 Night Vision Goggles - An MOI course for Night Vision Goggles (NVG) has been developed. Eight instructor pilots have been trained as NVG IPs in preparation for the Night Qualification Phase of the 175/40 Dual Track IERW Program. IPs were provided to Fort Ord to qualify 6 of their IPs with the NVG's. Three 7th Army IPs and 3 pilots from DCD have received NVG qualifications at Fort Rucker.

Navy Consolidation Planning - Contingency planning continued, highlighted by a post wide meeting to determine milestones for Navy consolidation here. This meeting discussed consolidation of aviation training assets, logistical and administrative support and resulted in a detailed briefing being prepared for the Commanding General.

IERW Realignment - Implementation of subject realignment was begun on 20 Sep 76 and completed on 10 Dec 76. The realignment moved the UH-1 contact phase of training in the IERW program so that it precedes instrument training. Additionally 5 hours of dual flight instruction was added to the contact phase and deleted from the tactics phase.

The first TOW missile was fired by Instructor Pilot Course on 15 January.

The 449th Assault Helicopter Company, 30th Aviation Battalion (North Carolina National Guard) utilized Blacksmill and Matteson Aerial Gunnery Ranges to conduct unit gunnery training from 26 April - 7 May.

The 877th Engineer Battalion (Alabama National Guard) utilized training areas for Unit ATT/FTX from 31 May - 2 Jun.

The USAARL field tested Television Signal Processing techniques in relation to target detection and identification at Range V from 11 - 20 October.

The US Army Aircraft Development Test Activity and US Army Aviation Board conducted tests on AH-1S Production Flat Plate Canopy/Cockpit using Matteson Range from 15 November - 3 December.

The US Army Aircraft Development Test Activity conducted Improved Main Rotor Blade test for the AH-1 using Blacksmill Range on 10 December.

The Aviation Management Information System (AVMIS) began the year with the implementation of DGFT flight courses into the AVMIS system. All TRADOC approved courses taught at Ft Rucker are now implemented in the AVMIS system. The system provides computer printouts of students' flight time and flight and academic grades on a daily basis. These reports are distributed daily by the AVMIS Branch to flight and academic instructional personnel and operational personnel at branch, division, and department levels. The AVMIS system continues to provide a valuable management tool to supervisors at all levels.

Increased physical security measures remained in effect at all basefields, and effective key control procedures were maintained.

During CY 76 complete revision of USAAVNC Pamphlet 95-15 was developed, staffed, and published. Another publication task began in CY 76 and scheduled for completion in CY 77 is the revision of USAAVNC Supplement 1 to AR 95-1.

Cairns Army Airfield. The traffic count for the year totaled 284,846 operations. A total of 912 VIPs arrived and departed Cairns AAF during the year. The aircraft fleet assigned to Cairns was stable throughout the year - 127 aircraft; this represents a combination of fixed wing and rotary wing aircraft. The Bicentennial Air Show held at Cairns AAF in June consisted of a Silver Eagles demonstration, a static display of military aircraft and engineer equipment and local Boy Scout activities. Approximately 10,000 spectators attended. In July USAAVNC Engineers completed 49 concrete pads on runway 13. During November the Flight Records Branch moved from main post to Building 101AB. Strobe lights were installed on the airfield. The last of the T-41 aircraft were turned over to the Fort Rucker Flying Club.

Lowe Army Heliport. Lowe AHP recorded 173,248 operations in 1976, representing an increase of approximately 26,000 operations over the previous year. To provide for improved operations and security, the refueling truck parking lot was resurfaced and chain link fence installed. North and south departure lanes/forced landing area was approved and implemented on the west ramp. New AH-1Ss with TOWs were assigned to Lowe. During the year the east ramp was resurfaced and the departure and approach lanes on the main field were cleared.

Hanchey Army Heliport. Hanchey AHP traffic count for 1976 was 65,985. During the year the Flight Dispatch Section processed a total of 29,340 flight plans. This was a significant decrease over operational activity of CY 74 and CY 75. Total aircraft assigned ranged between 125-150 aircraft during the year, with the majority being TH-55s. Unforecasted severe winds of unknown force struck Hanchey AHP on 22 July 1976 causing extensive damage to one CH-54 and two CH-47s. A lesser degree of damage was sustained by four CH-47s, 41 TH-55s, and 22 military vehicles. Seven buildings were damaged. Total damage was estimated at over one million dollars. During the year every building on the airfield was repainted by civilian contractor. The US Army Aviation Precision Demonstration Team (Silver Eagles) moved to Hanchey in February 1976 and stayed until disbanded in November 1976.

Knox Army Heliport. The traffic count at Knox AHP for the year totaled 71,008 with flight plans filed and processed by Hanchey Operations. Following the transfer of Knox AHP to the USAR in November 1975, recruiting and staffing of the Reserve Units and the USAR flight facility received highest priority in early 1976. The 282d Aviation Company, the 376th Transportation Company, and the Aviation Section of the 926th Engineer Group are tenant units co-located with the flight facility. When fully staffed, there will be 38 DAC reserve technicians working full time at the flight facility maintaining 37 aircraft and supporting 80 aviators. Combined authorized strength of the Reserve Units based at Knox AHP is 496. A total of 3,361 accident-free hours were flown during 1976 primarily in support of CRF and unit training.

Runkle Army Airfield. Several new structures were put into operation during the year. In January ATC moved into the new tower and a new building was constructed for the telephone switchboard. In July the underwire training device was placed into operation and the appearance of Runkle AAF was altered drastically with the removal of approximately 20 acres of trees to allow the Tower to visually observe the entire field. In August the area between the aircraft parking pads and the road on the North Heliport was paved and an additional sod lane was put into operation parallel to the hardstand and the existing sod lane. Runkle AAF recorded 113,666 approaches in support of Department of Undergraduate Flight (DUFT) Tactical Training. Ground Control Approach (GCA) facilities recorded 1,713 practice approaches and the Flight Coordination Center (FCC) handled some 138,000 aircraft. In December ATC personnel were given the additional responsibility of collecting weather information for input to the Air Force weather facility at Cairns AAF.

Shell Army Heliport. Basefield operations at Shell AHP ceased on 6 October 1974 upon curtailment of South Vietnamese flight training at that facility.

During 1976 USAAVNC aircraft flew a total of 234,258 flight hours. This total was 30,786 hours more than the preceding year. July was the peak month with over 22,000 hours flown. Total aircraft assigned for this period fluctuated from 353 in January to 355 in December. The first AH-1S was delivered to Ft Rucker on 15 June and the AH-1Q was phased out of the TOW Cobra Course shortly thereafter. On 22 July a small tornado struck Hanchey Heliport damaging 41 TH-55's, 6 CH-47's and 1 CH-54 aircraft. The damaged CH-47 aircraft caused a one week training delay. The realignment of the Initial Entry Rotary Wing Program, placing contact training before instrument training, took place between 20 September and 6 December. In October the Fixed Wing Qualification Course students began initial training in T-42 aircraft. The T-41's originally assigned to USAAVNC for this training, became surplus and were dropped from the inventory in November. In November USAAVNC received a UH-1 safety of flight message requiring that all UH-1 aircraft receive an extensive inspection and preflight because of defective servo rigid end connectors. During this period students continued to graduate as scheduled through the efficient management of resources and scheduling of academics.

The reorganization of February 1976 brought together the scheduling of classrooms and maintenance and security of classrooms under the Chief, Scheduling Branch. New CPT word processing machines were procured in August to replace the slower IBM Magnetic Tape Selectric Typewriters used in the preparation of USAAVNC student training schedules. The scheduling of ranges and training areas was brought under the control of the Chief of Scheduling Branch in November.

The Flight Records Branch was placed under the control of the Training Support Division in February. In October the Aviation Management Information Systems (AVMIS) Branch and the Range Branch were transferred to Training Management Division. The Instrument and Aviator Qualification Office (IAQO) came under the operational control (OPCON) of Training Support Division in November. Flight Records Branch was relocated to Cairns AAF in November in order to facilitate their coordination with IAQO.

DEPARTMENT OF UNDERGRADUATE FLIGHT TRAINING

ORGANIZATION

The Department is organized into the following elements:

- Headquarters
- Primary Flight Division
- Instrument Qualification Division
- Advanced Division
- Operations Division
- Quality Control Branch
- Administrative Branch
- Supply Branch

All initial entry rotary wing flight training was conducted by DUFT during the year. The Primary Flight Division was responsible for primary flight training, and the training was conducted by Doss Aviation, Inc., a civilian flight training contractor. The Instrument Qualification Division conducted the instrument flight training with three branches. The Advanced Division conducted contact, tactical and nap-of-the-earth flight training with six branches. The organizational structure remained basically the same for all divisions throughout the year.

MISSION

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

PERSONNEL

Colonel Edward J. Porter was the Department Director from 1 January 1976 through 4 January 1976. Colonel Joseph F. Rutkowski was the Department Director from 5 January 1976 through 31 December 1976. Major Walter L. Bragg was the Executive Officer from 1 January 1976 through 31 December 1976. Major Errol R. Frazier was the Primary Division Commander from 1 January 1976 through 14 November 1976. Major Carson G. Suber was the Primary Division Commander from 15 November 1976 through 31 December 1976. Major Joseph P. Seery was the Instrument Qualification Division Commander from 1 January 1976 through 8 June 1976. Major Glenn D. Robnett was the Instrument Qualification Division Commander from 9 June 1976 through 31 December 1976. LTC Donald M. Frierson was the Advanced Division Commander from 1 January 1976 through 31 December 1976. Major Glenn D. Robnett was the Operations Division Commander from 1 January 1976 through 8 June 1976. Major Clark E. Sando was the Operations Division Commander from 9 June 1976 through 31 December 1976.

The personnel turnover rate for CY 76 was 39.8%. This was a decrease of 5.8% from the preceding year. Authorized strength at the close of the year was as follows: Officers - 111; warrant officers - 138; enlisted personnel - 42; Department of the Army civilians - 74; total - 365.

Ten instructor pilots from the Republic of Germany joined the flight instructor staff. Included were 5 Army and 5 Air Force officers.

ACCOMPLISHMENTS

In 1976 a total of 823 initial entry rotary wing students graduated and received the wings of an Army Aviator. Included in the total are 57 Air Force officers, 59 Allied officers, one National Guard student and six female students. The Allied students represented the following countries: Bolivia, Chile, Denmark, Guatemala, Iran, Israel, Mexico, Morocco, Norway, Peru, Panama and Germany.

In accomplishing this training 168,920 aircraft hours were flown and 20,575 hours were flown in the Synthetic Flight Training System (Device 2B24).

Four training vehicles were utilized throughout the year: the TH-55 during Primary Training - 85 hours/12 weeks; the UH-1 Procedural Trainer (2C35) - 20 hours/1 week and the UH-1 - 30 hours/6 weeks during the instrument training; the UH-1 - 65 hours/10 weeks during advanced flight training.

In addition to the regularly scheduled student training, the Synthetic Flight Training System was utilized for remedial training and for instrument proficiency training.

DUFT had the responsibility for planning, coordinating and conducting the Army Aviation Birthday Program for 1976. The celebration included a Combined Arms Tactical Exercise and a static display of Army aircraft. The exercise consisted of a series of vignettes portraying snapshots of the battlefield as they might occur in a modern tactical environment. The following listed units assisted in support of the exercise: 159th Military Intelligence Co., Warner Robbins, GA - OV-1; 131st Armor, ALARNG, Ozark, AL - tanks; 33rd Tactical Fighter Wing, Eglin Field, FL - F-4s; 1/29th Inf, Fort Benning, GA - ground TOW team and forward air controller.

A new program called the 175/40 Program was developed during 1976 (175 flight hours - 40 synthetic flight trainer hours). DUFT furnished advice and assistance to the study group that had the prime responsibility for the development of the program.

DUFT participated in a test utilizing night vision goggles. The purpose was to determine fatigue factors, maneuvers and procedures to be utilized and other training problems associated with their use.

Personnel from DUFT participated in a test utilizing the Night Visual System. The N.V.S. is a computer generated imagery device attached to the SFTS to simulate night flight under minimum light conditions. Various maneuvers and procedures were utilized in the test such as normal take-offs, normal approaches, traffic patterns, autorotations and confined area operations. Upon completion of the simulator training, students were given a check ride in the UH-1 to measure transfer effectiveness of simulator training to actual night flight in the aircraft.

Members of the Department continued to be active in the area of public relations. Selected individuals traveled throughout the surrounding counties and cities and conducted briefings about the training being conducted at Fort Rucker and in the surrounding area. The primary purpose of the briefings was to acquaint the local populace with training mission and the requirement to fly at low altitude. Briefings were presented to civic clubs, farmers cooperatives, schools and various student groups.

DUFT coordinated with the 130th Aviation Co., Tennessee National Guard to establish a training program for a continuous cycle of training to start on 15 Jan 77 and to continue until 28 May 77. Support was in the form of nap-of-the-earth routes and training material furnished for the 119th Assault Helicopter Co., Fort Bragg, NC.

The Department also conducted flight training for 38 United States Military Academy cadets. They arrived on 4 July and departed on 30 July. They were given 15 hours of flight instruction and all of the cadets made a solo flight prior to departure.

A realignment of the current flight training program was accomplished during the year. This consisted of moving the UH-1 transition stage in front of the instrument phase training. This total program is commonly referred to as the 180/20 program (180 flight hours - 20 synthetic flight trainer hours).

During the year the Department of Undergraduate Flight Training had a total of five accidents with two injuries. The accident rate per 100,000 flying hours was 2.9 for the calendar year. This was an improvement of 4.4 over the previous year.

Bronze plaques for superior accident rates or accident free flight hours were presented as follows:

Branch I, Primary Flight Division - superior accident rate for 12 months.

Branch I, Primary Flight Division - superior accident rate for 24 months.

Branch II, Primary Flight Division - superior accident rate for 12 months.

Flight Evaluation Branch, Primary Flight Division - superior accident rate for 12 months.

Branch I, Instrument Qualification Division - superior accident rate for 12 months.

Instrument Qualification Division - 20,000 accident free hours in six months.

Support Branch, Advanced Division - superior accident rate for 24 months.

In addition to the above awards, Doss, the Primary Flight Training contractor, received recognition for outstanding accident rate reduction. Three instructor pilots received the Broken Wing Award for safely landing an aircraft without damage or injury after having experienced an in-flight emergency. Eighty-seven aviation Safety Certificates of Achievement were awarded to flight instructors.

On 23 October 1976 an honors dinner ceremony was held at the Officers Open Mess. At the dinner, Branch II, Advanced Division, was presented the Daedalian Army Aviation Flight Safety Award by Major General Umstead, USAF, Commandant, Air War College, Maxwell AFB, AL. Major General Umstead, representing the Order of the Daedalian, presented the award for accomplishing 8,642 hours of accident free flying.

Department of the Army civilians received performance awards and ratings as follows:

Outstanding Performance Ratings - 23
Quality Step Increases - 5
Sustained Superior Performance Awards - 4

A large number of VIP briefings were conducted throughout the year. These were presented to senior officers and civilians from the U.S. Army, U.S. Air Force, U.S. Navy, U.S. Marine Corps and Allied Countries including Israel, Canada, Germany, Great Britain, Australia, Peru, Sweden, Korea, France, and New Zealand. Briefings for the U.S. military and U.S. civilian agencies included U.S. Military Academy personnel, Senate Appropriations Committee, Bell Helicopter International, TRADOC, U.S. Forestry Service, Secretary of the Army R&D, Secretary of Defense Management and Budget, Department of the Army Warrant Officer Chief, and Reserve Component Personnel.

One final achievement of historical significance was the graduation of the first Europe/NATO Rotary Wing Aviator Course. Class 76-1 was in residence from 6 June 1976 through 16 December 1976. The class consisted of five students from the German Army.

DETACHMENT 9 - 5th WEATHER SQUADRON (MAC) USAF

MISSION

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 Fort Rucker complex, complete meteorological watch of the local flying area, remote briefing service for nearby stations which have limited hours, and radar meteorological watch of the

200-nautical mile radius of Fort 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-meteorologist radio services. Like all Air Force weather detachments, Detachment 9 has a variety of telecommunications equipment where the continental U.S. weather is continually updated, and forecasts and observations for anywhere on earth can be obtained rapidly. Operating Location - Alpha provides 14-hour-a-day, 5-day-a-week, observing support to the U.S. Army Aviation Training Mission at Troy Airport.

PERSONNEL

Commanding Officer - MAJ Clark S. Pinder replaced LTC Glen A. Ryan on 23 August 1976.

	<u>Authorized</u>	<u>Assigned</u>
Officers	5	5
Airmen	29	31

ACCOMPLISHMENTS

Completed 15,260 outbound pilot briefings (DD Form 175-1).

Provided weather support for 118,474 local and cross-country flights.

Issued 44 severe weather warnings for a 15-mile radius of Fort Rucker, 20 severe weather warnings for Troy, and 316 Met-Watch Advisories for the local flying area--a 100-mile radius of Fort Rucker.

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

A telephone answering device provided weather forecasts to an average of 3971 calls a month.

Weather indoctrination tours of the Cairns Weather Station were given to nearly 550 students and local community groups.

DIRECTORATE OF TRAINING DEVELOPMENTS

ORGANIZATION

The Directorate of Training Developments (DTD) was organized effective 1 February 1976 as a part of the "School Model 76" reorganization. Initially, the DTD was established as the Deputy for Training Developments with three departments, three separate branches, the Aviation Digest, and the Control and Coordination Office. With the approval of TDA TC WOU9AA, CCNUM 0177, effective 2 August 1976, the DTD was retitled to the Directorate of Training Developments with divisions. Resources to establish the DTD were realigned from Office of the Education Advisor, Office of Force Development, Deputy for Developments, Deputy for Standardization, Department of Resident Training Management, Department of Plans and Operations, Department of Army-Wide Training Support, Department of Undergraduate Flight Training, Department of Graduate Flight Training, and Department of Academic Training.

The directorate is composed of the following major elements:

- Office of the Director
- Program Management Office
- United States Army Aviation Digest
- Training Analysis and Design Division
- Training Literature Division
- Course Development Division
- Training Support Division

MISSION

Direct all activities and actions encompassing the training development processes for which the school is proponent in the areas of training analysis, design and development. Produce the Individual Training Plan (ITP), Soldier's Manual (SM), Commander's Manual (CM), Skill Qualification Test (SQT), and Collective Training Plan (Army Training and Evaluation Program). Manage the Army Training Literature Program (ATLP), and Improved Technical Documentation and Training (ITDT) Program. Provide Training Aid Services Office (TASO) services, training aids support and educational television. Prepare the US Army Aviation Digest. Serve as Program Director for training developments.

PERSONNEL

Colonel Colin D. Ciley, Jr. was assigned as the Deputy for Training Developments in February 1976 and Director in August 1976.

Colonel Loren C. Strange assumed duty as Deputy Director in July 1976.

LTC Newell A. Mock was assigned Study Project Manager for the Dual Track Initial Entry Rotary Wing (IERW) Program in August 1976.

Major Walter D. Marshall was Executive Officer from February 1976 through August 1976 when he assumed duty as Chief, Training Literature Division, replacing Major Bobby F. Thomas.

Mrs. Hellen G. Rhodes assumed duty as Chief, Program Management Office in July 1976 replacing LTC Robert M. Furney who assumed duty as Chief, Training Analysis and Design Division.

LTC Furney's predecessor was Major Larry E. Stuart.

LTC Theo Epperson assumed duties of Chief, Course Development Division in June 1976.

Mr. Richard K. Tierney, Editor, US Army Aviation Digest, Mr. Thomas B. Carr, Chief, Education Television Branch, and Mr. Jimmy L. Goodson, Chief, Training Aids Branch, were transferred to DTD in February 1976 as a part of the initial staff.

Authorized strength at the close of the year was as follows: Officers - 45; Warrant Officers -1; Enlisted Personnel - 31; Department of the Army Civilians - 184; Total - 261.

ACCOMPLISHMENTS

In addition to the accomplishments of the subordinate activities, two major actions required support from several internal and external sources:

Dual Track Initial Entry Rotary Wing (IERW) Program:

The Dual Track IERW Study Group was formed in August 1976 with a charter to develop and validate a new proficiency based IERW Course. The Preliminary Study Group (PSG) was initiated in September 1976 to study/determine the best method to accomplish implementation/validation of the Dual Track IERW Program. Two Scientific Services Program personnel, Dr. Forrest, Embry-Riddle Aeronautical University, and Mr. Isley, Human Resources Research Organization (HUMRRO), participated as members of the PSG. Assistance was also received from various US Army Aviation Center agencies, the Training Management Institute, Fort Knox and the USAF Air Training Command, Randolph AFB. A draft Course of Instruction (COI) was completed and forwarded for review and comments. The study efforts will continue in 1977.

EURO/NATO Initial Entry Pilot Training Program Symposium:

The purpose of the symposium was to present and discuss matters pertaining to EURO/NATO helicopter pilot training. The major items presented were the US Army's new Initial Entry Rotary Wing Program, EURO/NATO helicopter pilot training requirements, legal and financial matters related to the training, and training-site observation of various phases of student training. The symposium was attended by representatives from Denmark, Federal Republic of Germany, Norway and the US Army. Observers from Australia, Canada, United Kingdom, Italy, and France also attended.

PROGRAM MANAGEMENT OFFICE

ORGANIZATION

This element was established as the Control and Coordination Office effective 1 February 1976 and retitled Program Management Office effective July 1976. Resources to establish this activity were realigned from the Department of Army-Wide Training Support, Department of Training Developments, Department of Plans and Operations, and Office of Force Development.

The establishment of a Word Processing Center was approved but was not functional due to resource constraints.

MISSION

Serve as program manager and point of contact for the status of all programs including assigned projects and operating programs. Act for the Program Director on resource matters. Conduct review and analysis of training development activities. Formulate policies and procedures related to administrative functions within the directorate.

ACCOMPLISHMENTS

Coordinated implementation of the TRADOC Management Information System (TRAMIS) within the directorate. As of 31 December 1976 the directorate was recording data against 849 Action Control Numbers. Assumed responsibility to act for Program Director in the management of training development resources (funds and manpower) which involves five Army Management Structure (AMS) Codes and 16 Accounting Processing Codes (APC). Represented the directorate at Training Base Reviews and TRADOC Review of Manpower. Developed initial directorate Standing Operating Procedures. Developed/consolidated the initial documentation of the organization, missions and functions of the directorate. Developed/consolidated the training developments input into the TRADOC FY 79 Program Analysis and Resource Review.

TRAINING ANALYSIS AND DESIGN DIVISION

ORGANIZATION

This element was organized as the Training Analysis and Design Department effective 1 February 1976 and was retitled Training Analysis and Design Division effective 2 August 1976. Resources to establish this division were realigned from Department of Training Developments, Deputy for Standardization, Department of Material Developments and Systems, Department of Plans and Operations, and Department of Resident Training Management. The Training Analysis and Design Division is composed of two branches:

Training Analysis Branch
Training Design Branch

MISSION

Analyze training requirements and design institutional and extension Individual Training Plans and Collective Training Plans. Perform Phase I - II Instruction System Development (ISD) for individual training and Phase I - IV ISD for collective training. Prepare Soldier's Manuals (SM), Commander's Manuals (CM), Skill Qualification Tests (SQT), and Army Training and Evaluation Programs (ARTEP). Develop individual, crew and/or team performance and training standards. Design programed texts and self-paced instruction. Provide input to Improved Technical Documentation and Training Program, and Cost and Training Effectiveness Analysis. Develop training device requirements for simulators and devices; monitor training device development through type classification; and review and approve training program changes in Synthetic Flight Training System (SFTS) devices. Provide one member of the SFTS development working and acceptance team; participate in software and hardware reviews; and inplant/onsite acceptance tests. Act on feedback data and learning and training assessment provided by Directorate of Evaluation and Standardization.

ACCOMPLISHMENTS

The Instructional Systems Development process outlined in TRADOC Pamphlet 350-30 was initiated. Phase I analysis was accomplished for MOSs 71P, 93H and 93J.

Soldier's Manuals and Commander's Supplements were developed for proponent MOSs. FM 1-93J1 through 1-93J5 in final draft. FM 1-93H1 through 93H2 in final draft. FM 1-71P1 through 1-71P5 in camera-ready copy. Commander's Supplement FM 1-71P-CS first draft printed and forwarded to TRADOC for review.

Army Training and Evaluation Plans (ARTEP) were developed for proponent TOEs. ARTEP 1-252, HHC, Combat Aviation Battalion and Group, was validated by 145th Aviation Battalion, Hunter AAF, GA, and was prepared for DA printing. ARTEP 1-127, Corps Aviation Company, was approved by TRADOC and printed by DA.

Task lists were developed for the Helicopter Launched Fire and Forget Missile System (HELFIRES) Individual/Collective Training Plan and for tactical situation simulation for helicopter flight trainers. Critical task lists for MOSs 67N and 67V were selected and local validation completed.

SQTs for proponent MOSs were developed. SQT for MOS 93H, first draft of SQT 2 completed. SQT for MOS 93J, first draft of SQT 2 through 4 completed. Test Study Guide for MOS 67N20 was revised. SQT for MOS 71P, SQT 2 through 5, completed through Ph II validation. Training input was provided for the Advanced Attack Helicopter Cost and Training Effectiveness Analysis (CTEA) and for the Utility Tactical Transport Aircraft System Cost and Operational Analysis.

Individual/Collective Training Plan was developed for the Utility Tactical Transport Aircraft System.

Simulation actions were accomplished for proponent systems. Inplant Preliminary Acceptance Test and Acceptance Test for CH-47FS were conducted. On-site testing of computer-generated imagery for UH1FS night visual system and evaluation was completed. Conducted evaluation of contractors' proposals for UH60/61FS. Weapons and aircraft characteristics information was provided for development of Air/Ground Engagement Simulation. Inplant acceptance test was conducted on AH1FS. Draft Letter Requests were developed for AH-65 part task trainers and for Radar Warning Device Simulator.

Script was written for TV production explaining Enlisted Personnel Management System (EPMS) to soldiers in air operations subfield of CMF 64. Assisted in production of Training Management TV tape for Unit Commanders.

The Aviation Annual Written Examination testing period ended 30 September 1976. First attempt averages score was 95. Failure rate was 5%.

Training Circular (TC) 1-127, Evaluators Guide, was printed in draft copy.

Reviewed and approved 70 Institutional Course of Instruction (COI) Examinations.

Reviewed, evaluated and provided comments on non-proponent actions to include ARTEPs, FMs, Training and Evaluation Plans, Flight Training Guides, Outline Test Plans, CTEA Study Plans, Training Circulars, studies, Military Occupational Data Bank questionnaires and Survey Reports, Baseline Physical and Training Requirements and TEC lessons.

Accomplishment of missions and workloads required attendance at 33 off-post conferences and meetings.

TRAINING LITERATURE DIVISION

ORGANIZATION

This element was organized as the Training Literature Department effective 1 February 1976 and retitled the Training Literature Division effective 2 August 1976. Resources to establish this division were realigned from the Department of Training Developments, Deputy for Developments, and Deputy for Standardization. The Training Literature Division is composed of three branches:

- General Publications Branch
- Doctrine/Standardization Publications Branch
- Publications Production Branch

MISSION

Responsible for Army-Wide Training Literature Program (ATLP). Prepare and/or coordinate the preparation of proponent Field Manuals (FM), Training Circulars (TC), and Command and Agency-Wide Training Literature for final camera-ready copy. Prepare and/or coordinate the preparation of proponent augmentation training publications. Responsible for final processing of ARTEPs, SMS, and CMS. Determine ATLP requirement for assigned categories of publications and manage program accomplishment. Review doctrinal, organization, and material documents to evaluate impact on training literature for which responsible. Maintain master file of publications for which responsible. Determine school Department of the Army Motion Picture/Television Production Program (DAMP/TVPP); Department of the Army Graphic Training Aid Program, and related requirements; assign production priorities, and manage program accomplishment. Prepare and/or coordinate; the preparation of scripts in support of the school educational television and DAMP/TVPP film programs. Provide support for the Improved Technical Documentation and Training (ITDT) Program. Determine all non-systems training aid requirements assign production priorities, and manage program accomplishment. Review and/or coordinate school review of training support media prepared by other school/training activities.

ACCOMPLISHMENTS

A staff study was completed involving the development of doctrine for employment of the AH-1 in Korea. Technical Manuals (TM), Training Circulars (TC), Field Manuals (FM), Army Subject Schedules (ASubjScd) were reviewed: TM 55-1510-212-10, T-42 Operators Manual; TM 55-1510-212-CL, T-42 Pilot's Checklist; TC 100-32-1, EW-A Weapons Qualification Course (Draft); FM 90-6, Mountain operations (Draft); FM 55-10, Army Movement Management Units and Procedures; FM 17-47, Air Cavalry Combat Brigade (ACCB) (Final Draft); FM 105-5, Maneuver Control; ASubjScd 1-8, Aerial Observer Training; ASubjScd 1-9, Aircraft Accident Reporting, Records and Investigation; and ASubjScd 1-11, Flight Safety.

Quadripartite Working Group (QWG) and North Atlantic Treaty Organization (NATO) actions were reviewed: QWG/AVN Concept Paper, "Air Defense Suppression for Helicopters"; QWG/AVN Concept Paper, "Post 1985 Navigation Systems"; NATO Cooperative R&D list; NATO United Kingdom laser target marker for forward air controllers; and 17 International Standardization Agreements.

Quadripartite Standardization Agreement (QSTAG) and Standardization Agreement (STANAG) documents were reviewed: QSTAG 277, Coordination Procedures for Employment of Attack/Anti-tank Helicopters in Support of Ground Forces; STANAG 1149, Doctrine for Amphibious Operations (Draft); and STANAG 3774, Control Procedures for Pallets and Associated Restraints.

The UH-1 Tactics Flight Training Guide and the Night Hawk/Night Vision Goggle MOI Flight Training Guide were reviewed.

Army Training Plans (ATP) were reviewed. ATP 35 and 40, NATO Requirements; and ATP 8, Amphibious Operations.

US Army position papers, Term of Reference for Helicopter Inter-Service Working Party (HISWP), and Terminology; Military Assistance Training Program (MATP) Terminology List 680 and 681; 12 publications from other agencies; and six studies conducted by other agencies were reviewed.

Training Circulars were forwarded to TRADOC for DA printing; TC 1-4, Helicopter Gunnery; TC 1-29, Preparation of the UH-1 for Night Flight; TC 1-30, Preparation of the AH-1 for Night Flight; TC 1-31, Preparation of the OH-58 for Night Flight; TC 1-35; Qualification Training and Standardization (UH-1) and TC 1-36, Qualification Training Standardization (AH-1).

ARTEP 1-252, Headquarters and Headquarters Company, Combat Aviation Battalion and Group, also was forwarded to TRADOC for DA printing.

The 71P series Soldier's Manual (five skill levels each) were published and forwarded to TRADOC on or about 1 June 1976.

Other Significant Actions:

The Aviation Center's capstone "How to Fight" manual, FM 90-1, Employment of Army Aviation Units in a High Threat Environment, was published on 30 September 1976.

The Publication Production Branch acquired a POS I automatic camera. This camera provides the Branch an in-house capability to size and adjust illustrations.

Action was initiated to simplify aircraft checklists (-CL's) by deletion of steps not required to be completed by the aviator prior to flight. The OV-1 checklist was reviewed and resulted in approximately 10% of the checklist items being recommended for deletion.

The initial Operators Manual for rotary wing aircraft (TM 55-1520-234-10) was printed in the new nine chapter format and was issued (dated 1 May 1976.)

The Aviation Center was tasked to produce FM 17-47, ACCB, a Fort Knox publication in order to meet the overall TRADOC time schedule for major training publications.

All International Standardization Programs were transferred from Directorate of Training Developments to Directorate of Combat Developments as of 4 November 1976.

COURSE DEVELOPMENT DIVISION

ORGANIZATION

This element was organized as the Course Development Department effective 1 February 1976 and retitled the Course Development Division effective 2 August 1976. Resources to establish this division were realigned from Department of Resident Training Management, Department of Army-Wide Training Support, Department of Academic Training, Department of Graduate Flight Training, and Department of Undergraduate Flight Training.

The division is composed of the following sub-elements:

- Institutional Training Development Branch
- Extension Training Development Branch
 - Course Development Section
 - Officer/Warrant Officer Course Development Unit
 - Enlisted Course Development Unit
 - Editorial/Typing Unit
 - Training Extension Course (TEC) Section
 - TRADOC Education Data Systems (TREDS) Section

MISSION

Perform Phase III of Instruction System Development (ISD) for individual training. Using ISD and draft Individual Training Plan (ITP), develop and write Course of Instruction (COI), instructional management plan, lesson plans, flight training guides, and related instructional material for institutional and extension instruction to include self-paced, programmed text, the Army Correspondence Course Program, and TEC. Coordinate and validate preparation of institutional and extension training material with Director of Training (subject matter experts) and Directorate of Evaluation and Standardization, and Training Analysis and Design Division, Directorate of Training Developments. Update and coordinate changes to institutional and extension courses based upon comments/feedback from students, other service schools, agencies, training centers, and other sources. Manage, coordinate and prepare Improved Technical Documentation and Training (ITDT) products. Participate in the development of ETV films. Prepare Cost and Training Effectiveness Analysis (CTEA) for ITP. Prepare final ITP for which the center is proponent. Maintain vault file of COIs. Provide continuous coordination with Directorate of Combat Developments on matters of mutual concern.

ACCOMPLISHMENTS

Courses of Instruction (COIs) were developed, revised, or reviewed for proponent training. New COIs were developed for the Initial Entry Rotary Wing Course (175/40), OH-58, Aeroscout Method of Instruction (MOI) Course, Radar Warning Receiver Operator Course (AN/APR-39), Standardization Instructor Pilot (SIP) Update Course, Night Hawk/Night Vision Goggle Readiness Qualification and Instructor Pilot Courses, Aviator Refresher Training Course, Aviation Commanders' Readiness Course, and Nonrated Aviation Commanders' Readiness Course. Existing COIs were revised for the AH-1G Aviator Qualification Course, Rotary Wing Aviator Course (Air Force and Foreign Military Training), Rotary Wing Aviator Course (Active Army), and Initial Entry Rotary Wing Course (180/20).

Annual review was completed of COIs for Air Traffic Control (ATC) Course, ATC Radar Controller Course, UH-1 Repair Course, OH-58 Helicopter Repair Course and OH-6 Instructor Pilot Course.

Instructional materials were developed, revised or reviewed. Flight training guides were developed for the Initial Entry Rotary Wing Course (175/40) and Night Vision Goggles.

Eight Flight Training Guides were revised for the Aeroscout MOI and IP Course, Fixed Wing Multi-Engine Qualification Course, AH-1G Aviator Qualification Course, AH-1G IP Course, UH-1 Contact/Gunnery IP MOI Course, Instrument Flight Examiner Course, and the Fixed Wing Multi-Engine Qualification Course.

Reviewed/updated instructional material for the following courses: the Flight Operations Coordinator Course, 93H Air Traffic Control Course, 93J Air Traffic Control Radar Controller Course, Air Traffic Control (AC-CMF) NCO Advanced Course, Synthetic Flight Training (2B24) Instructor Pilot MOI, UH-1 Repair Course, OH-58 Helicopter Repair Course, Communications Electronics Operating Instructions (USAAVNC), OH-6 IP Course, AH-1G Aviator Qualification Course, TOW/Cobra Aviator Qualification Course, M-22 Gunnery Course, M-22 Gunnery Instructor Pilot MOI, and the Officer/Warrant Officer Rotary Wing Aviator Course.

The Course Development Section, at the request of United States Army Combat Arms Training Board (USACATB), Fort Benning, GA, developed a proposal outlining exportable training materials for the Wiesbaden training endeavor (Brigade 76) as part of the ongoing effort to improve the USARER/TRADOC interface. The purpose of this proposal was to make Wiesbaden, Germany, an example of how to train with severely constrained garrison and local training areas. Under this proposal, the different training programs available are (1) OH-58 refresher maintenance training through use of sound and 35mm slides;(2) OH-58 refresher maintenance training through use of video cassette/television; (3) review of aviators on nap-of-the-earth (NOE) tactical training through use of video cassette/television; and (4) refresher training for aviators and/or mechanics through use of gaming devices, programed instruction, and video tapes.

The Reserve Component Aviation Advisors' Orientation Course (RCAAOC) Program of Instruction (POI), coordinated with HQ, United States Army Forces Command (FORSCOM); Office of the Chief, Army Reserve (OCAR); and National Guard Board (NGB) was approved by HQ TRADOC on 26 April 1976 and is currently under development. The Aviation Command and Resource Management Correspondence Course (ACRMC) was developed as a replacement for the resident Aviation Command and Resource Management Correspondence Course (ACRMC) which was cancelled due to funding restraints. The correspondence POI was approved by HQ TRADOC on 7 May 1976 and course materials are currently under development by the Course Development Section.

Was tasked by HQ TRADOC to develop an examination prior to 30 June 1976 for all one-lesson subcourses for which USAAVNC has proponency. Per HQ TRADOC directive, a separate examination in addition to lesson exercises was developed for 31 one-lesson subcourses. This task was completed by 30 June 1976.

POIs for the Reserve Component Aviation Advisors' Orientation Course (RCAAOC) and Aviation Command and Resource Management Course (ACRMC) were developed.

Revision was initiated on five POIs: Utility Helicopter Repairman (UHR), Light Observation Helicopter Repairman (LOHR), Noncommissioned Officer Advanced Course (NCOAC), Flight Operations Coordinator (FOC), and Aviation Warrant Officer Advanced Course (AWOAC).

One revised POI, Aviation Accident Prevention Management (AAPM), was completed and released in January 1976.

Subcourse AVN 915 - Air Traffic Control Procedures was developed in March 1976.

Fifty-two subcourses were revised:

AVN 46 - Military Briefings, May 1976

AVN 95 - Personal Financial Management, April 1976

AVN 175 - Contracts and Contract Administration, May 1976

AVN 181 - Fundamentals of Maintenance Management, June 1976

ISS 279 - Organization and Roles of Army Aviation (Basic), April 1976

ISS 280 - Organization and Roles of Army Aviation (Advanced), April 1976

AVN 356 - Chemical Agent and Radiation Detection Devices, May 1976

AVN 359 - Nuclear Weapons Effects, February 1976

AVN 377- Communications Electronic Operation Instructions (CEOI) (U), January 1976

AVN 381 - Antennas and Field Expedients for Antennas, May 1976

AVN 413 - Army Aviation Orders and Command Relationships, October 1976

AVN 414 - Army Aviation in the Theater Army Support Command, June 1976

AVN 424 - Role of the Inspector General (IG), April 1976

AVN 440 - Intelligence Summary, June 1976

AVN 448 - Electronic Warfare, May 1976

AVN 539 - Survival Medicine, January 1976

- AVN 567 - Introduction to Aircraft Accident Prevention, June 1976
- AVN 568 - Aviation Accident Prevention, January 1976
- AVN 570 - Aviation Shop and Flight Line Safety, May 1976
- AVN 573 - Aircraft Structures, May 1976
- AVN 574 - Aircraft Accident Investigation and Reports, August 1976
- AVN 591 - The Army Aviation Safety Noncommissioned Officer (NCO),
June 1976
- AVN 601 - Introduction to Meteorology, August 1976
- AVN 602 - Weather Hazards, Reports and Forecasts, November 1976
- AVN 650 - Army Aircraft Characteristics, February 1976
- AVN 651 - Organization of Divisional and Nondivisional Aviation,
February 1976
- AVN 695 - Airfield Operations, November 1976
- AVN 696 - Stagefield SOP, February 1976
- AVN 701 - Army Aviation Special Operations, September 1976
- AVN 702 - Airmobile Operations, March 1976
- AVN 703 - Airborne Radiological Survey, April 1976
- AVN 801 - Organizational Aircraft Maintenance (Supervisors),
February 1976
- AVN 825 - Airfield Criteria and Crash Rescue Operations, October 1976
- AVN 827 - Technical Publications, January 1976
- AVN 850 - Basic Electricity and Electrical Components, January 1976
- AVN 851 - Army Aircraft Systems, March 1976
- AVN 852 - Aircraft Instruments and Landing Gear, March 1976
- AVN 855 - Fuel and Oil Service, April 1976

- AVN 866 - Damaged Aircraft, May 1976
- AVN 905 - Radar Identification Procedures, February 1976
- AVN 906 - Airport Surveillance, March 1976
- AVN 907 - Precision Approach Radar, May 1976
- AVN 908 - Emergency Radar Assistance, May 1976
- AVN 909 - Control Tower Operations and Administration, May 1976
- AVN 912 - Letters of Agreement, Operations Letters, and Facility Memoranda, January 1976
- AVN 915 - Air Traffic Control Procedures, March 1976
- AVN 951 - UHF Omnidirectional Range (VOR), June 1976
- AVN 952 - Automatic Direction Finder (ADF), June 1976
- AVN 953 - Radio Magnetic Indicator (RMI), June 1976
- AVN 975 - Army Aircraft and Principles of Flight, August 1976
- AVN 976 - Army Aviation Weight and Balance General, January 1976
- AVN 978 - Basic Air Navigation and Flight Information Publications, January 1976

The TEC Section monitored development of 17 FY 76 TEC lessons. Originally, TEC Section was tasked to develop only 15 TEC lessons during this period. However, due to a shortfall at another service school, TEC Section was tasked 1 November 1976 to develop two additional lessons. At this time preliminary research has been completed on these two lessons. Government furnished material (GFM) will be ready to deliver to the USAAVNC contractor on 3 January 1977. The original 15 lessons have progressed well through the year; 13 of the 15 lessons completed the validation process in November and went to final art the first part of December. The last two lessons will go to large group validations at Fort Lewis, WA, the week of 3 January 1977. Coordination Contract Summary Sheets for 50 FY 77 lessons were written and approved by the TEC Review Board. At this time GFM is being compiled in preparation for delivery to the contractor in the spring of 1977. Preparations for the new FY 77 contract are proceeding smoothly. The preproposal conference was held at the Naval Training Equipment Center, Orlando, FL, on 9 December 1976. The deadline for all contractor proposals is 4 January 1977.

In accordance with TRADOC directive the TREDs Section began conversion of approximately 12,500 student records from a manual to an automated system on 5 April 1976. Conversion to the TRADOC Educational Data System, with the exception of a few manual cleanup conversions, was completed 1 September 1976. As of 27 December 1976 USAAVNC correspondence course enrollment was 6,068 students. During this period 9-147 new students enrolled in the USAAVNC Correspondence Course Program, and 43,135 subcourses were completed. Plans were initiated for the transfer of all functions of administration, processing, and supply of correspondence course materials to the Training Support Center, Ft Eustis, VA.

Student and subcourse data for CY 76 is as follows:

	<u>New Students</u>	<u>Subcourses Completed</u>
Jan - Mar	2,905	10,973
Apr - Jun	2,000	7,277
Jul - Sep	2,105	10,315
Oct - Dec	<u>2,137</u>	<u>14,570</u>
	9,147	43,135

TRAINING SUPPORT DIVISION/TASO

ORGANIZATION

The Training Aids Division and Educational Television Division (ETV) were transferred to Directorate of Training Developments effective 1 February 1976. With approval of TDA TC WOU9AA, CCNUM 0177, effective 2 August 1976, these divisions were redesignated as branches and a division headquarters was established. The division headquarters was not formally established due to resource limitations; therefore, the Training Aids Branch and Educational Television Branch function independently and report directly to the director of Training Developments.

TRAINING AIDS BRANCH

MISSION

The Training Aids Branch is a consolidated training aid/audiovisual support activity providing a single point of contact for coordination of training aid requirements and is responsible for a centralized multi-media consultation service, control and distribution of work requests, control of priorities, quality assurance, and responsive service. The Training Aids

Branch provides training aids support for the United States Army Aviation Center, the Army Reserve, National Guard and ROTC units assigned within the geographic support area. Supported units and activities use a wide variety of training aids, particularly 35mm slides, transparencies, Graphic Training Aids (GTA), and devices 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

The Graphics Section produced high quality graphic items such as master art for 35mm slides, overhead transparency masters and copies, charts, black-and-white printing plant masters, embossed signs for academic instructor and class identification, and miscellaneous graphic services as required. During this period a total of 16,589 end items were fabricated.

The Devices Section fabricated outstanding training devices at a high level of production and quality. Noteworthy devices include: Fabrication of an AH-1G Cobra Fuel System Trainer that depicts the complete fuel system; a TRADOC directed project to fabricate a scaled tank target range system for use with sub-caliber weapons; and a Night Vision Goggle Trainer used to simulate varying night lighting conditions. During this period a total of 2,903 end items were fabricated.

The Photographic Laboratory processed an exceptional number of support items for a variety of users. The majority of items produced were for 35mm color slides, color prints, and black and white prints. During this period a total of 65,933 negative equivalents were fabricated.

The Supply Section (Audio-Visual Support) processed requests from all areas within the Ft Rucker TASO geographic support area. These requestors were provided many various pieces of audiovisual hardware with which to present their training message. This hardware includes 16mm projectors, 35mm projectors, overhead projectors, opaque projectors, Bessler "Cue/See" projectors, audio tape cassette players, sound reinforcement equipment, and Sony television trainers. Software was also provided to requestors and consisted of 16mm films, cassette tapes, DA approved overhead transparencies and paper "flip" charts. During this period a total of 28,509 items were processed.

EDUCATIONAL TELEVISION BRANCH

MISSION

Operate the USAAVNC educational television facility. Coordinate USAAVNC support requirements for production of Army aviation training films and

video tapes. Prepare and evaluate studies relating to the use and adequacy of the closed-circuit television system. Responsible for planning, developing, and producing training films and television tapes. Prepare and publish video tape catalog. Schedule daily video tape distribution programs. Establish and monitor production priorities. Provide guidance to users on use and application of ETV visual media. Present briefings, attend conferences, and professional meetings on development of training technology and innovations. Determine availability of existing tapes to meet training needs. Provide administrative and clerical support for the facility. Maintain master video tape program library. Direct and produce educational video tapes and category I training film programs for local, regional, and Army-wide distribution. Coordinate with the Training Literature Division in the preparation of scripts for the USAAVNC ETV and Department of the Army Motion Picture/Television Production Program (DAMP/TVPP) programs. Review the USAAVNC training programs to insure technical accuracy of film and video tapes. Prepare the annual USAAVNC training film and educational television programs. Operate and maintain a color studio and mobile television production and playback equipment. Prepare engineering studies, write technical specifications, and oversee the installation and test of new and replacement equipment. Perform dubbing of USAAVNC master ETV programs for transmission locally, at other service school ETV networks, and Reserve Components. Provide video tape programs to other service schools and to units Army-wide. Instruct users in the operation of video trainers. Prepare studies and make recommendations on procurement of TV equipment. Present briefings, conduct liaison, and attend conferences on technically related ETV audiovisual media. Evaluate TV productions to insure tapes meet established technical standards. Perform supply functions for the branch.

ACCOMPLISHMENTS

Installation of new editing-dubbing facility in building 5407 was completed by the Technical Operations Section. This facility was used to accomplish program editing and dubbing functions while using the mobile color van to record scenes for later editing.

Production was completed on 16 DA Category I video tape programs for the TRADOC/FORSCOM Nap-of-the-Earth (NOE) Television Course. Seven of these programs were for TV Course Unit 3, "NOE Flight Maneuvers"; five were for Unit 4, "Aeromedical Aspects of NOE"; four programs were for Unit 10, "The Nuclear - Chemical Environment." These 16 were part of a total of 170 productions completed with 4205 minutes running time.

Additional equipment was acquired. The equipment included twenty-three Panasonic 2110M video cassette players which were integrated into the Aviation Center training program and four small-screen color monitors which were issued on short-term loans for use in self-paced instruction.

Filmed work on a major project accomplished by B Company, 46th Engineer Battalion. The work entailed demolition and removal of an abandoned railway bridge near Aliceville, Alabama. Prior to its removal, the bridge obstructed planned construction and navigation on the Tennessee - Tombigbee Waterway. A director-photographer team made five trips and devoted fifteen days working time to photographing the demolition and removal work. The film footage will be edited into a finished production on the bridge project. Planned usage for the completed tape are in training, public relations, and recruiting.

On 5 Jun 76 a video tape was made of the Army Aviation Birthday Observation at Cairns Army Air Field, Fort Rucker. Also, a 16mm film record was made of the Army Aviation Hall of Fame induction ceremonies. Video tape and film records of the events are available for historical records and for reference as needed.

In May and Nov 76 the services of an Audio-Visual production officer were provided to the Center for Disease Control, US Public Health Service, Atlanta, GA. This cooperative arrangement was made for production of two television tapes designed to minimize infectious hazards in medical laboratories. Copies of both programs were furnished to the Army for training.

During the period 1 July - 31 December 1976 a television tape was scripted and produced for distribution through the TRADOC Command Information Program. Subject of the tape was "Ethics and the Military." Also during the period television tapes on the Enlisted Personnel Management System (EPMS) - Army Training and Evaluation Plan (ARTEP) programs were produced and revised. These presentations featured both on-camera comments and complete narrations by MG James C. Smith. One tape was designed to show enlisted personnel how EPMS governs individual careers; the other tape explained both EPMS and ARTEP systems to unit commanders. Both presentations will be shown to appropriate audiences on an Army-wide basis.

U. S. ARMY AVIATION DIGEST

ORGANIZATION

The Aviation Digest was transferred on 1 February 1976 to the Deputy for Training Developments from the Deputy for Developments where it had been located since 3 June 1973.

MISSION

Coordinate with USAAVNC activities, Department of the Army, other governmental agencies, civilian organizations, and individuals world-wide on matters concerning preparation of materials for publication. Research, analyze, write, edit, and prepare composition dummies and layout format for the US Army Aviation Digest. Assemble completed material in specified

order for submission to the contractor, in accordance with established schedules for printing and distribution. Monitor publication in behalf of The Adjutant General Office (TAGO) and Government Printing Office (GPO) to insure compliance with the printing contract.

ACCOMPLISHMENTS

In February 1976. W. R. Bean and Son, Inc., of Atlanta, GA, lost the contract for printing the Aviation Digest to Braceland Brothers, Inc., which has its home office in Philadelphia, PA, and branch in Atlanta, GA. The April issue was the first under the new contract.

LIST OF ABBREVIATIONS

A&M	Agriculture & Military
ACCB	Air Cavalry Combat Brigade
ACRMC	Aviation Command and Resource Management Correspondence Course
APC	Accounting Processing Code
AQC	Aviator Qualification Course
ATLP	Army-wide Training Literature Program
AWOAC	Aviation Warrant Officer Advanced Course
CM	Commander's Manual
COI	Course of Instruction
CTEA	Cost & Training Effective Analysis
CITF	Commercial Industrial Type Functions
CMST	Cadet Military Secondary Training
CTLT	Cadet Troop Leadership Training
DTD	Directorate of Training Developments
EURO/NATO	Europe/North Atlantic Treaty Organization
EDRE	Emergency Deployment Readiness Exercise
FMT	Foreign Military Training
FS	Flight Simulator
HELLFIRE	Helicopter Launched Fire and Forget Missile System
HISWP	Helicopter Interservice Working Party
IERW	Initial Entry Rotary Wing
ISD	Instructional System Development
ITDT	Improved Technical Documentation and Training
ITP	Individual Training Plan
ITAADS	Installation, The Army Authorization Document System
LOHR	Light Observation Helicopter Repairman
MOI	Method of Instruction
MMG	Multi-Media Group
NCOAC	Noncommissioned Officer Advanced Course
PSG	Preliminary Study Group
PAF	Personnel Authorization Files
PRAC	Program Resource Advisory Committee
PT	Physical Training
QRIP	Quick Return on Investment Program
RCAAOC	Reserve Component Aviation Advisor's Orientation Course
RMI	Radio Magnetic Indicator
SQT	Skill Qualification Test
STANFINS	Standard Financial System
TRAMIS	Training & Doctrine Command Management Information System
TREDS	Training & Doctrine Command Educational Data System
UHR	Utility Helicopter Repairman
VTAADS	Vertical, The Army Authorization Document System

DISTRIBUTION

2 - SJA	40 - 1st Avn Bde
2 - IG	2 - USA Res Cen
5 - SGS	2 - USADTA
10 - Pub Affairs Ofc	10 - AEROMED Center
2 - Ofc Civ Pers	6 - USACC Agcy
2 - MISO	5 - USAAAVS
14 - DCD	1 - Flt Ofc, 3d Region CIDC
17 - DTD	1 - Multimedia Det
2 - DT	1 - DARCOM Log Asst Ofc
5 - DRTM	5 - AEROMED Rsch Lab
8 - DOAT	1 - Def Inves Svc D41RU
4 - DGFT	1 - 902 MI Gp
5 - DUFT	1 - ARI
5 - DES	1 - Det 1, 29th AB Gp
7 - USAAVNBD	1 - DSA, DPCO Rucker
13 - DPCA	5 - Aviation Museum
7 - DIO	2 - WOC Museum
7 - DFAE	60 - AG
5 - Center Library	ATTN: Records Holding
5 - Aviation Training Library	1 - Chief, Military History
2 - Ofc of Education Advisor	Washington, D.C. 20315
1 - Directorate of Reserve Components	1 Cdr, TRADOC, ATTN: DCSOPS
8 - DRM	Historical Branch
	1 - FORSCOM, ATTN: Historical Off

