

U.S. ARMY AVIATION CENTER



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HISTORICAL SUPPLEMENT

FORT RUCKER, ALABAMA 36362

1979

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**US ARMY AVIATION CENTER
AND
FORT RUCKER**

ANNUAL HISTORICAL SUPPLEMENT

1979

**Prepared by:
US ARMY AVIATION TRAINING LIBRARY**

SECTION I

US ARMY AVIATION CENTER AND FORT RUCKER

PREFACE

This annual historical supplement is a resumé of events at the US Army Aviation Center and Fort Rucker for calendar year 1979. It provides an accurate and objective account of the activities of this headquarters during this period.

Information contained in this supplement was based upon reports submitted by various directorates and activities of this installation. All material is presented in an objective and impersonal manner. Details, where possible, have been omitted for the sake of brevity.

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.

The US Army Aviation Center and Fort Rucker Annual Historical Supplement for 1979 was prepared in compliance with TRADOC Supplement 1 to AR 870-5.

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MISSION

US ARMY AVIATION CENTER AND FORT RUCKER

Commands, operates, and administers the use of the resources of Fort Rucker, Alabama, to accomplish all assigned missions. Conducts the training and instruction for United States and Allied officers, warrant officers, warrant officer candidates, enlisted personnel, and designated civilian personnel in the various phases of Army aviation. Accomplishes all actions for which the Center is proponent relating to combat and training developments, training devices, training literature, occupational specialties and career management fields, and US Army aviation flight standardization. Provides support to assigned, attached, or tenant activities to include on-post and off-post units or activities in the assigned geographic areas unless such support is specifically assigned to another command.

(Extracted from USAAVNC Regulation 10-1.)

US ARMY AVIATION CENTER
FORT RUCKER, ALABAMA 36362

STAFF DIRECTORY

OCTOBER 1979

WE STRIVE FOR EXCELLENCE

COMMANDING GENERAL US ARMY AVIATION CENTER
AND
COMMANDANT US ARMY AVIATION SCHOOL
ATZQ-CG (Bldg 114)

MAJOR GENERAL JAMES H. MERRYMAN

DEPUTY COMMANDING GENERAL US ARMY AVIATION CENTER
AND
ASSISTANT COMMANDANT US ARMY AVIATION SCHOOL
ATZQ-DCG (Bldg 114)

BRIGADIER GENERAL CHARL H. MCNAIR, JR.



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GENERAL INFORMATION

Table with columns for GENERAL INFORMATION, DUTY HOURS, and AUTOVON NUMBERS. Includes contact info for various offices and personnel.

INSTALLATION STAFF

US ARMY AVIATION SCHOOL STAFF

COMMANDS

Table listing various staff positions under the Directorate of Personnel and Community Activities, Directorate of Industrial Operations, and Directorate of Resource Management.

Table listing various staff positions under the Directorate of Combat Developments, Directorate of Training Developments, and Directorate of Training.

Table listing various staff positions under the Directorate of Training, Directorate of Evaluation/Standardization, and 1st Aviation Bde.

Table listing various staff positions under the USA Aviation Board, USAVIA, and various support units.

Table listing various staff positions under the Directorate of Facilities Engineering, Human Relations Division, and other support units.

Table listing various staff positions under the Directorate of Facilities Engineering, Materiel Developments Division, and other support units.

Table listing various staff positions under the Directorate of Facilities Engineering, Training Design Branch, and other support units.

Table listing various staff positions under the Directorate of Facilities Engineering, Training Design Branch, and other support units.

SPECIAL STAFF

Table listing various special staff positions including Provost Marshal, Management Information Systems Office, Chaplain, Office of Accident Prevention, and various support units.

TENANT ORGANIZATIONS

Table listing various tenant organizations including US Army Aviation Development Test Activity, US Army Research Institute, US Army Aeromedical Center, and various support units.



Major General James H. Merryman assumed command of the United States Army Aviation Center/Fort Rucker on 11 December 1978.



Brigadier General Carl H. McNair was assigned as Deputy Commanding General, United States Army Aviation Center/Fort Rucker, on 27 August 1979.



Colonel Patrick N. Delavan was assigned as Deputy Installation Commander, United States Army Aviation Center/Fort Rucker, on 28 January 1977, and became Chief of Staff, United States Army Aviation Center/Fort Rucker, on 9 January 1979.



Command Sergeant Major Robert L. Roots assumed duties as Command Sergeant Major, US Army Aviation Center/Fort Rucker, on 17 June 1975.

DIRECTORATE OF TRAINING

MISSION:

Serves as Command Aviation Officer and principal advisor to the CG/Comdt and DCG/Asst Comdt on the conduct and administration of resident instruction for which USAAVNC is proponent. Provides synthetic flight training system (SFTS) software training support for all SFTS devices assigned worldwide. Directs the effort of USAAVNC resident training departments. Shares with DTD the responsibility for developing training materials. Provides SME to DCD and DTD as required. Serves as program manager for the flight training and general skill training accounts and appropriate portions of the Army service school support to unit's account. Provides staff supervision of Det 9, 5th Weather Squadron (USAF) and the Aviation Training Library. Supervises operation of training/maneuver areas, ground and aerial firing ranges, flight records, instrument and aviator qualification management, airspace coordination, management of flight training facilities, and the conduct of all Skill Qualification Testing.

ORGANIZATION:

The headquarters, Directorate of Training (DT), was reorganized in October 1979. This reorganization resulted in the formation of a Resource Management Office, dissolution of Programs/Budget Division, and the transfer of Cairns Army Airfield Branch from Training Management Division, DT, to Department of Flight Training. In addition, the Test Control Office was transferred from the 1st Aviation Brigade to DT. At the end of 1979 DT was composed of the following:

- Training Management Division
- Training Support Division
- Resource Management Office
- Aviation Training Library

PERSONNEL:

Colonel Kenneth J. Burton remained the Director of Training for the year 1979.

LTC Luther L. French was the Executive Officer from 28 August 1978 to 26 July 1979.

LTC French was replaced by MAJ Frederick W. Chiverton who was the Executive Officer from 1 August 1979 to the present.

MAJ Joseph M. Lacey was assigned as Chief, Admin and Management Branch in July 1979 and became the Chief, Resource Management Office, when it was formed in October 1979, a position which he currently holds.

Other key personnel who served during the year were:

<u>KEY PERSONNEL:</u>	<u>POSITION</u>	<u>ARRIVAL/DEPARTURE DATES</u>
MAJ Frederick W. Chiverton	C, TMD	20 Apr 78 - 1 Aug 79
MAJ Arthur A. Rice	C, TMD	1 Aug 79 - Present
MAJ Don W. Wallace	C, TSD	15 May 78 - Present
SGM Lloyd M. Rogers	DT SGM	23 Feb 76 - Present
M. L. Durkin	C, Avn Tng Lib	Jul 59 - Present

The Office of the Director of Training and the Aviation Training Library authorized strength at the end of 1979 was as follows: Officers, 23; Warrant Officers, 1; Enlisted, 57; Civilians, 31; Total, 112.

TRAINING MANAGEMENT DIVISION

MISSION:

Coordinates with DTD on implementation of resident POIs, and plans for implementing changes and future courses. Serves as proponent for USAAVNC Supplement 1 to AR 95-1, 115-2, 350-5, 350-19, and USAAVNC Pamphlet 95-15. Assumes staff responsibility for DT portion of USAAVNC Regulation 10-1.

ORGANIZATION:

The Training Management Division (TMD) was reorganized in October 1979. The reorganization was part of the overall DT staff reorganization and resulted in the Cairns Army Airfield Branch being assigned to the Department of Flight Training, transfer of the AVMS Branch to Programs Branch and the addition of Programs Branch (formerly Programs and Budget Division) to TMD. Additionally, the Test Control Office was transferred from the 1st Aviation Brigade to TMD. Presently TMD is composed of the following:

- Plans Branch
- Airfield/Airspace Branch
- Programs Branch
- Test Control Office

PERSONNEL:

MAJ Frederick W. Chiverton was Chief, Training Management Division, from 1 January 1979 to 1 August 1979.

MAJ A. Rice was Chief, Training Management Division, from 1 August 1979 to the present.

PLANS BRANCH

MISSION:

Plans, coordinates, and monitors Reserve Component aviation training, foreign military training programs, and other special training programs. Develops plans, prepares studies, and recommends policies to support resident training, and other non-training actions as directed by the Command Group to include implementation of USAAVNC contingency plans. Formulates the Long Range Aviation Training Support Plan (LORATS). Prepares training staff actions and other non-training staff actions as directed for the Command Group. Coordinates subject matter expertise provided to DCD and DTD. Maintains liaison with the Directorate of Evaluation and Standardization. Reviews training literature, instructional material, and other documents and studies. Provides aviation training data to TRADOC and FORSCOM as requested. Maintains files of the current programs of instruction. Processes requests for special actions from instructional departments. Performs liaison with instructional departments on matters pertaining to new equipment, training, and proposed resident programs of instruction. Coordinates with civilian contractors on studies of resident Army aviation training and integration of proposed training device and equipment into resident training programs. Prepares environmental impact statements for resident POIs. Presents the Aviation Center Briefing and other special training briefings to visiting VIPs and other interested personnel.

PERSONNEL:

Major Arthur A. Rice served as Chief from 1 January 1979 through 31 July 1979.

Major George M. Reimer was Chief from 1 August 1979 to present.

ACCOMPLISHMENTS:

Army Surge/Navy Planning:

Throughout 1979 USAAVNC was involved in planning and preparing for the increase in active Army undergraduate helicopter pilot training (surge). Preparations included expansion of instructor forces, aircraft assets, simulator training aids; upgrade of stagefields; and all the other support and base operations needed for the increased loads. The surge began with IERW Class 80-1 in October 1979.

The preparations for the surge were complicated by a directive from Department of the Army to prepare to train Navy undergraduate helicopter pilots coincident with the surge. DA committed USAAVNC to a January 1980 start date for Navy consolidation. These simultaneous demands on assets (surge and Navy) were beyond the existing capacity of Fort Rucker. A funding constraint by Congress effectively hampered the procurement of additional assets. Therefore, planning (based on a DA directive) had to trade off Army students for Navy students until more assets became available. As of this date, USAAVNC is still under orders to commence training of Navy in January 1980.

Night Vision Goggle Instructor Pilot Training:

Night Vision Goggle Instructor Pilot training for FORSCOM and Korea-bound personnel was conducted from January through Septmeber. A total of 36 FORSCOM personnel and eight Korea-bound aviators were trained. This training was conducted because of the lack of an approved NVG IP course and the need for NVG IPs in FORSCOM and Korea. The course was conducted at USAAVNC using USAAVNC IPs, aircraft, training facilities and funds. Instructor pilot support was provided by FORSCOM to augment USAAVNC IPs. A night vision goggle IP course has been included in the FY 81 COBE for implementation in FY 81.

UH-60 Black Hawk Training:

Training in the UH-60 aircraft began in April after several delays. The inability to accurately forecast when aircraft would be released from the factory necessitated many delays and the re-scheduling of classes. A major problem with the flight control system resulted in the suspension of training for two months in July and August. Training resumed in August with no further problems. Courses being taught are the Aviator Qualification Course and Instructor Pilot Course.

Pre-Command Course:

Through the direction of TRADOC and the Combined Arms Center, the USAAVNC converted the Aviation Commander's Readiness Course in th the Pre-Command Course (PCC) to make it compatible with other Combat Arms pre-command courses. Development of the USAAVNC PCC was coordinated with TRADOC, CAC, Logistics Center, Army Training Board, MILPERCEN, and the Armor Center. The proposed PCC was approved by CAC in September, and the POI was implemented in October. This course is being evaluated and will be carefully observed by the USAAVNC and CAC to insure that the phases are synchronized and its integrity maintained.

Annual Training for Aviation Reserve Components:

Annual training for aviation Reserve Component units was conducted from March through September. The significance in this area is that Fort Rucker trained more units and personnel this year than ever before. A total of 13 aviation companies, detachments, and flight facilities was trained, with 435 aviators receiving individual training. Approximately 300 enlisted personnel also received training. One significant problem occurred in maintenance training requested by units having equipment not in the current Army inventory; i.e., CH-54, OH-6, and UH-1M.

Stationing of an ATC Company:

A tactical ATC company was formally requested by Fort Rucker in August to support current air traffic control requirements and flight training in the tactical environment. The request has been staffed by TRADOC and is currently being coordinated with FORSCOM and USACC, Fort Huachuca. Members of the USACC and 7th Signal Command are now studying the requirement to determine the best solution to our request, TDA versus MTOE. The major problem area encountered is the Army-wide shortage of tactical ATC assets.

5th EURO/NATO Symposium:

The fifth EURO/NATO Symposium was held 6-8 November in Oslo, Norway. Participants from USAAVNC included representatives from DT, DTD, and DES. Items of discussion included reduction of solo time in the primary phase, conducting anti-torque training as demo only, changing class flows from an uneven number, and realignment of voice procedures training. This program continues to be very effective and productive. The sixth symposium is scheduled for the week of 28 October 1980 in the Netherlands.

Hurricane Frederic:

USAAVNC evacuated approximately 100 aircraft to Fort Benning, GA, and Warner Robbins, AFB, without incident. Numerous training facilities were converted to emergency shelters in a short period of time. These facilities were used by residents of the Gulf Coast who were in the path of the hurricane. Three aircraft and crews were sent to Mobile, AL, to assist the Federal Disaster Relief Coordinator from 15 September to 10 November. We will continue to assist the effort when requested.

OH-58C:

USAAVNC received 16 OH-58C aircraft. These aircraft were integrated into the initial entry rotary wing course and instructor pilot course in October.

AIRFIELD/AIRSPACE BRANCH

MISSION:

Advise DT on matters pertaining to operations, maintenance and safety of basefields, stagefields, and selected civil facilities. Provide staff planning for aircraft tactical landing areas, aircraft navigation and communication facilities, and air traffic control matters.

ORGANIZATION:

The Airfield/Airspace Branch is under the operation control of the Chief, Training Management Division, Directorate of Training.

PERSONNEL:

MAJ Lawrence Murphy served as Chief from 1 January 1979 to 31 July 1979.

MAJ Clifford H. Stern was Chief from 1 August 1979 to present.

ACCOMPLISHMENTS:

Activated and expanded Shell Army Heliport in support of the FY 81 student surge.

Developed Stagefield Upgrade Program (PN 213) for FY 80-82.

Completed major revisions of USAAVNC Suppl 1 to AR 95-1 and USAAVNC Pamphlet 95-15, The Basefield, Stagefield Manual.

Developed and established the Flight Coordination Center (FCC) in the Hanchey Division area of operation (A.O. Hawk).

Completed the plan for the activation of an Attack Helicopter Company at Fort Rucker.

Completed the plan for the activation of an Air Traffic Control Company at Fort Rucker.

PROGRAMS BRANCH

MISSION:

The Programs Branch determines, coordinates, and disseminates to all agencies, local and higher headquarters, detailed schedules, aircraft requirements, student loads, and flight hour programs to support directed Aviation Center training missions.

ORGANIZATION:

In November 1979, the Programs/Budget Division was abolished and the Programs Branch was placed under the supervision of the Training Management Division with the Army Management Information System (AVMIS) attached to the Programs Branch.

PERSONNEL:

Mr. Neil S. Dodson served as Chief throughout the year.

ACCOMPLISHMENTS:

The UH-60 AQC and IPC courses (2CASI-IN/2C-F3) were initiated with the first class of 12 AQC students reporting 23 October 1979.

The EURO/NATO course input frequency was changed effective 1 October 1978 to one class per month versus one class reporting each quarter. Annual input of 99 students was programed.

The RWQC was separated into two courses with active Army and FMT students continuing with the 12-week program while the Air Force students (40) received only 11 weeks of instruction.

Automation of the class detailed schedules, flight hour program, and student flow loads continued with more detailed development and refinement.

THE AVIATION MANAGEMENT INFORMATION SYSTEMS BRANCH

MISSION:

The Aviation Management Information Systems (AVMIS) Branch serves as the interface agency between the Management Information Systems Office (MISO) and all training departments at USAAVNC.

PERSONNEL:

CW2 Duane L. Krajewski served as Chief, AVMIS, from 23 Jun 78 to 30 Nov 79.

He was replaced by CW3 Robert W. Jenkins who is presently serving in the position.

ACCOMPLISHMENTS:

Revision and improvement of automated flight records systems resulted in reduction of work force at Flight Records Branch.

TEST CONTROL OFFICE

MISSION:

Distributes materials associated with the Army's Skill Qualification Program and administers the Skill Qualification Test to all personnel assigned to Fort Rucker. Acts as liaison between Fort Rucker and the Skill Qualification Directorate, Fort Eustis, VA.

ORGANIZATION:

The Test Control Office functions as an office under Training Management Division with one officer and three enlisted and one civilian.

PERSONNEL:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival/Departure Dates</u>
CPT Gill L. Bledsoe	TCO	6 Jul 79 - 15 Feb 80
SSG Willie M. Allensworth	Dep TCO	1 Jan 79 - Present
SSG John McKinney, Jr.	TCO Asst NCOIC	10 Dec 79 - Present

ACCOMPLISHMENTS:

Tested the entire eligible enlisted personnel for 256 Military Occupation Specialty Codes in 1979.

Reorganized the TCO to fall under the direct control of the Training Management Division.

Reorganized internal office arrangement to effect a smooth flow of personnel into and out of the testing arena.

TRAINING SUPPORT DIVISION

MISSION:

Supervises the overall coordination of training activities for the directorate. Determines the requirements for scheduling and monitoring the utilization of training resources such as classrooms, ranges, equipment, ammunition, aircraft, transportation, and troop support required in support of programs of instruction (POIs). Prepares and distributes training/training support schedules for each POI. Develops and maintains master schedules and related control documents for each resident course. Compiles statistical data pertaining to programmed and actual student input and in-training load. Schedules class start and close dates for each resident course to include adjustments as required by POI revisions, student shortfall and overfill, and self-paced training. Processes unprogramed training requirements in coordination with other activities of the directorate, to include the use of the MTT and NETT for Reserve Component or active Army support. Processes requirements for resident training or student support involving external agencies/activities such as guest instructors/speakers, and off-site training facilities. Develops training capacity data. Identifies requirements for, collects, analyzes, and acts on feedback data in assigned area of responsibility.

ORGANIZATION:

The Training Support Division (TSD) is composed of three branches:

- Scheduling Branch
- Aircraft Management Branch
- Range Branch

KEY PERSONNEL:

MAJ Don W. Wallace served as Chief, TSD, 15 May 1978 - Present.

ACCOMPLISHMENTS:

Scheduling Branch and Training Support Division accomplishments were combined.

SCHEDULING BRANCH

MISSION:

Directs and coordinates the preparation and distribution of training schedules for each resident class at USAAVNC; coordinates and schedules training facilities, transportation, and troop and equipment support; and coordinates the Director of Training's portion of itineraries for VIP visitors to Fort Rucker.

ORGANIZATION:

Scheduling Branch (SB) functions as a branch of the Training Support Division with one officer, three enlisted personnel, and six civilians.

KEY PERSONNEL:

CPT James M. Lee served as Chief, SB, 2 Sep 78 - Present.

ACCOMPLISHMENTS:

Revised the IERW Instrument flows.

Revised USAAVNC Regulations 350-3, 350-27 and USAAVNC Cir 95-59.

Established hot refuel at Tabernacle Stagefields.

Procured UH-60 internal loads for combat skills training.

Conducted and supervised tactical training exercise for USAARL.

Supported over 240 reserve units on Fort Rucker complex.

Coordinated the use of over 500,000 gallons of fuel from Jaxon Fuel and 108th QM per week.

Distributed approximately 22,000 training schedules to over 40 in-resident courses and supporting activities per week.

Opened two additional stagefields.

Scheduled transportation, classrooms, stagefields and stagefield support.

Coordinated actions on approximately 13 major changes to the programs of instruction (POIs) per month.

Supported the training of approximately 11,000 students during the year.

AIRCRAFT MANAGEMENT BRANCH

MISSION:

Manages USAAVNC aircraft fleet employment of over 470 aircraft. Maintains an operations center which provides response to all aspects of flight training and aircraft control for the Director of Training and the Command Group. Implements command-established policies and procedures affecting aircraft requirements. Prepares input for aircraft utilization and student flight hour reports, and analyzes output for proper utilization of aviation assets.

ORGANIZATION:

Aircraft Management Branch (AMB) functions as a branch under Training Support Division with one officer, six enlisted personnel, and one civilian.

KEY PERSONNEL:

CW3 Bobbie L. Stanfill served as Chief, AMB, 7 Jan 79 - Present.

SFC Richard L. Hess served as NCOIC, AMB, 1 Jan 78 - 11 Oct 79.

SFC Thomas E. Campbell served as NCOIC, AMB, 12 Oct 79 - Present.

ACCOMPLISHMENTS:

Scheduled in excess of 200,000 training flights during FY 79, which accumulated over 350,000 flight hours.

Put into effect better methods of control of administrative flights IAW AR 95-1 and DOD directives.

Completed a major revision of USAAVNC Circular 95-59.

Provided quality control function for DA 2408-12 forms.

AMB in coordination with all airfields effected a smooth and orderly move of approximately 300 aircraft to other airfields during Hurricane Frederic.

During Hurricane Frederic (10-14 Sep 79) and periodically through December, AMB scheduled nine aircraft in support of damage assessment conducted by personnel from Washington, logistical support for disaster teams, and the Mobile District Engineers. Crews for these missions were provided by DOFT HQ.

RANGE BRANCH

MISSION:

Maintains and coordinates the use of the Fort Rucker Range Complex consisting of 15 gunnery ranges and 42 training areas. Provides manning for rearming of all student training aerial gunnery aircraft, artificial lighting aircraft for night vision goggle training, and trained personnel to operate the towed target for the GAZAP system. Provides administrative support to all active Army units, Reserve Components and National Guard forces for issue of munitions.

ORGANIZATION:

Range Branch functions as a branch under the Training Support Division, Director of Training, and is staffed by four officers and 44 enlisted members.

KEY PERSONNEL:

CPT Stephen D. Harper served as Chief, Rng Br, 19 Aug 78 - 31 Aug 79.

CPT Brent W. McMahan served as Chief, Rng Br, 1 Sep 79 - Present.

SFC Gahley served as NCOIC, Rng Br, 1 Nov 78 - 6 Apr 79.

SFC James B. Adams served as NCOIC, Rng Br, 7 Apr 79 - 15 Aug 79.

SFC Paul E. Gahley served as NCOIC, Rng Br, 16 Aug 79 - Present.

ACCOMPLISHMENTS:

The range was used 232 days during January - December. During the same period, 1,015 AH-1 aircraft were armed by Range Branch personnel with an expenditure of 16,601, 2.75 rockets; 2,812,939 rounds of 7.62 ammo; 212,915 rounds of 40mm; and 144,290 rounds of 20mm ammo.

FARRP redesignated FARP and moved to RT-4.

Divided restricted area R2103 into Alpha and Bravo sectors, allowing a SID to be placed over the less utilized Bravo sector.

Conducted a tactical training exercise at Matteson Range for USMA Cadets, WOAC/WOSC and personnel from surrounding communities.

Placed expendable Navy gun directors down range to be used at targets for hover points.

Repaired and upgraded 500-1000 Inch Range so that all points could be fired upon.

Conducted site-study to locate suitable area for an expanded FARP. Agreed upon Tabernacle.

Installed new target mechanisms on the Record Range.

Moved FARP to Tabernacle.

AVIATION TRAINING LIBRARY

MISSION:

Provides military and technical aviation information and reference service to the staff, faculty, and students of the Aviation Center for the development of USAAVNC instruction and the educational and professional development of Army aviation personnel. Serves as a repository for publications related to the history of Army aviation and the evolution of American military aviation. Assists Class II activities without research library facilities or collections sufficient in depth for thorough research. Provides supplementary assistance to the graduate programs of the University of Southern California, Troy State University, and other programs of Embry Riddle Aeronautical University.

PERSONNEL:

M. L. Durkin has served as Chief Librarian since 1959.

ACCOMPLISHMENTS:

In 1979 the library received two computer terminals, DTIC and BRS. Defense Technical Information Center (DTIC) is the clearinghouse for DOD's collections of technical documents in almost all fields of science and technology. Bibliographic Retrieval Services, Inc., (BRS) makes available approximately 35 individual databases. Ohio College Library Center (OCLC) Inter-Library Loan Subsystem is a library-to-library on-line communication subsystem designed to support more effective and efficient exchange of information and library resources.

Library personnel attended local and off-post Civil Service courses, professional meetings, and instructional workshops.

DEPARTMENT OF ACADEMIC TRAINING

MISSION:

Conducts academic training (less medical) for the Army Aviation Center to support flight maintenance, flight operations, air traffic controller, noncommissioned officer education system, and warrant officer professional development programs 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 instruction through operation of a learning center. Provides administrative and logistical support of assigned elements.

Operations Division plans, coordinates, and schedules academic instruction conducted by DOAT; coordinates mobile training teams and instructional support; assists in curriculum development. Provides classroom support for all standard existing equipment in the multimedia classrooms used by the department and other organizations for instructional purposes during duty hours. Conducts liaison with the Directorates of Training Development, Evaluation/Standardization, and Combat Developments regarding development of training programs and policies. Prepares statistical data and staff studies, and attends conferences relative to mission support. Exercises direct supervision of subordinate elements of the division.

Training Literature Management Branch procures, stores, and issues training materials to active Army units, USAR schools, USAR, ROTC, and ARNG units.

Air Traffic Control Division conducts advanced individual training (AIT) and NCOES training for MOSs 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 advanced NCOES courses for enlisted aviation refresher training, and graduate programs of instruction.

Maintenance Training Division conducts advanced individual training MOSs 67N and 67V, and provides maintenance training for aviator qualification and graduate programs of instruction.

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-1FS instructor pilot training, and UH-1FS operator courses. Provides SFTS software training support to all SFTS devices located worldwide. Provides CH-47FS training.

USAF Operating 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 the USAF advisor to the USAAVNC, and performs liaison between appropriate elements of the USAF and the USAAVNC.

ORGANIZATION:

The Department of Academic Training is composed of Headquarters, Administrative Branch, Supply Branch, Operations Division, and four training divisions:

- Air Traffic Control Division
- Career Training Division
- Flight Simulator Division
- Maintenance Training Division

The United States Air Force Operating Location AK, 4525th Combat Applications Squadron, Tactical Air Command, is attached to the Department of Academic Training for administrative control.

PERSONNEL:

COL Howard E. Brown, assigned as department director in October 1972, continued in that capacity throughout 1979. The position of Deputy Director is now referred to as Executive Officer.

Key Personnel who served during the year were:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival/Departure Dates</u>
MAJ B.R. Rinehart	XO	31 May 79 - Present
MAJ E.A. Williams	C, Op Div	12 Mar 79 - Present
MAJ J.E. Clay	C, MTD	11 Jul 79 - Present
MAJ E.G. Spradlin	C, FSI	23 Jul 79 - Present
LTC R.S. Jones	C, CTD	11 Jul 77 - Present
MAJ J.L. Elliott	C, ATC	12 Mar 79 - Present
CW3 H.D. Johns	Supply Officer	11 Jul 78 - 30 Nov 79
CPT C.D. Hall	Supply Officer	30 Nov 79 - Present
Mrs. B. Hatfield	Admin Officer	3 Sep 78 - Present

ACCOMPLISHMENTS:

The department provided academic training in support of 58 programs of instruction (POIs) during the year and provided support to 16 Reserve/National Guard units and additional elements of 1st and 5th Army during the year.

During 1979, Supply Branch inventoried and received one 2B33 Cobra Trainer which cost \$5.2 million. Accounted for 100% of DOAT property which consists of 1,200 line items, 10,000 individual items, 6,000 of which are serial numbered and 35 buildings with an estimated value in excess of \$100 million. SSG Jackson was appointed as a Supply WO1 on 19 Dec 79.

Admin Branch developed the FY80 Command Operating Budget for the department. Monies required, not to include civilian pay, amounted to over \$534,000. The major manpower requirements projects were the TRADOC Review of Manpower, Mobilization TDA, IERW Surge, AIT Surge and decrement of courses.

OPERATIONS DIVISION

MISSION:

Schedules instruction and insures that department POIs are properly supported. Maintains scheduling data cards for each subject taught by the department. Provides classroom support, and performs operator maintenance on assigned classroom and audiovisual equipment. Exercises staff supervision over the department's development and validation of instructional material. Reviews instructional material. Coordinates the development of exam and test outlines. Prepares statistical data and staff studies, and attends conferences relative to mission support. Exercises direct supervision of subordinate elements of the division. Responds to queries, requests, and requisitions from service schools, USAR schools, Reserve Component units, ROTC units, active Army units, and individuals pertaining to aviation oriented instructional material. Operates central facilities to offer additional, supplemental, and remedial instruction to students, staff and faculty, and support elements, utilizing a variety of combination of training media.

ORGANIZATION:

The Operations Division is composed of three branches:

- Training Branch
- Training Literature Management Branch (TLMB)
- Learning Center

PERSONNEL:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival/Departure Dates</u>
MAJ Edwin A. Williams	Ops Officer	12 Mar 79 - Present
LTC John V. Owens	Ops Officer	18 Sep 77 - 12 Mar 79
CPT George Ronyak	Training Officer	21 Nov 78 - Present
CW3 James W. Chalk	C, TLMB	1 Nov 79 - Present
Mr. James Patton	C, TLMB	15 Dec 75 - 2 May 79
MAJ Wyndell E. Burden	C, LC	26 Feb 79 - Present

ACCOMPLISHMENTS:

During 1979, the Operations Division, Department of Academic Training (DOAT), experienced a complete turnover of key military personnel to include the Division Chief, all the project/action officers, the Operations NCO, and the scheduling clerks. In addition to scheduling academic training in over fifty POIs, Operations Division conducted several special studies and supervised numerous mission related projects. Significant projects/accomplishments in 1979 included coordinating the Navy UHPT consolidation for DOAT and conducting studies and finalizing plans for the proposed 67N/V move to Fort Eustis; neither project took place. DOAT Operations conducted detailed planning and coordination to facilitate the Army surge in helicopter pilot training which included the acquisition and installation of a seventh UH-1FS at Fort Rucker. DOAT Operations coordinated the implementation of the UH-60 Black Hawk POI to include the installation of the UH-60FS and the newly developed Pre-Command Course. Internally DOAT Operations developed an evaluation system and an academic instructor development program.

The USAAVNC Aviation Learning Center (ALC) was utilized by 32,792 students last year. This included 4,788 students receiving a 20-hour block of common subjects preparing them for Advanced Individual Training in the 67N/V, 71P and 93H/J MOSs. More than 66,462 hours of instruction were presented in support of POIs during this time, not to include hours expended toward Advanced individual Training. Several additional lessons for use with the Beseler Cue-See Machines have been acquired and new ones are being received periodically. Toward the end of the year all flight related TH-55 video tapes were updated and are now current.

During 1979, Training Literature Management Branch (TLMB) became the name for the Extension Training Management Branch. The mission of TLMB was expanded to include support for Doss Aviation, and distribution of the aircrew training manuals. This equated to an average of 184,000 material units shipped worldwide or locally per month with the ratio of field requests to local requests being 50/50. The average monthly printing costs were \$22,675.83.

AIR TRAFFIC CONTROL DIVISION

MISSION:

Conducts advanced individual training (AIT) and NCOES advanced training for MOSs 71P, 93H, and 93J. In addition, training is provided to officers/warrant officers on air traffic control subjects, EURO/NATO voice procedures for pilots, and airspace management for the Commander's Readiness Course. Performs academic counseling of resident students. Provides Army controls for administration and access to Federal Aviation Administration (FAA) Air Traffic Control Examination material. Supervises the participation of the division in the development and revision of instructional materials presented by the division. Supervises changes in training materials required for correction of errors and technical update of training material. Provides support of Mobile Training Teams (MIT) and New Equipment Training Team (NETT), as requested.

ORGANIZATION:

The ATC Division is composed of a headquarters and three branches:

- Common Subjects Branch
- Deployment Branch
- Advanced Branch

PERSONNEL:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival/Departure Dates</u>
MAJ Jerry Elliott	Division Chief	1 Apr 79 - Present
MAJ William E. Coleman	Branch Chief	Jul 77 - Mar 79
CPT Jerry G. Lover	Branch Chief	May 79 - Nov 79
CPT Paul D. Bates	Branch Chief	Oct 79 - Present
CPT William J. Dunlap	Branch Chief	Oct 79 - Present
MSG Harold G. Cook	SGM, ATC Div	Sep 78 - Nov 79
MSG Daniel J. Donahue	SGM, ATC Div	Nov 79 - Present

ACCOMPLISHMENTS:

The Air Traffic Control Division, composed of three major branches and a flight operations training section, experienced a year of outstanding accomplishments during 1979. While performing the primary mission of training students in three MOS-producing and several career-oriented courses, the division continued its efforts in the area of improvement and upgrade. The onset of 1979 brought about a program to completely revise all five of our major programs of instruction and align them under the ISD process. This program had a tremendous impact on our normal mission by requiring instructors in all areas to serve as Subject Matter Experts with the Directorate for Training Developments. Both military and civilian instructors dedicated long hours to writing and attending meetings. The need for the newly-acquired Division Education Specialist was proven during the year as this program progressed.

All sections worked together on upgrading their training areas and programs to insure a smooth transition to the new program of instruction.

Additionally, the Common Subjects Branch designed and implemented a comprehensive instructor qualification guide, redesigned current communications training equipment to accommodate newly-acquired Plantronics headsets, and made several self-help improvements to the classroom areas.

The Advanced Branch realized success with major improvements in equipment for MOS 93H Control Tower and MOS 93J Radar Training nearing completion. The upgrade of radar training included a new communications package and addition of electronic video mapper overlaps for the 15G16 Radar Simulator. Installation of a mock-up, partial control tower cab, signals the near completion of a project to provide the most advanced simulated tower training ever utilized at Fort Rucker.

The Deployment Branch opened an equipment training site for tactical ATC equipment familiarization. This presents a realistic picture to enhance the understanding of equipment usage and operating procedures. In line with the new programs of instruction, this branch was tasked to design a comprehensive end-of-course exam consisting of two phases, written and practical.

At the tactical training site, Landing Zone Wolfpit, the Flight Operations Section, designated a program to give MOS 71P students realistic and timely intelligence on friendly and enemy situations. This has greatly enhanced the training realism of the Tactical Operations Center.

National Guard units from Oklahoma, California, Massachusetts, and Tennessee were added to those units receiving Mobile Training Team (MIT) assistance during weekend drills. Instructors were sent TDY to units of eight states during 1979, resulting in the graduation of eight personnel at a cost savings to the Government.

This year proved to be excellent in the area of personnel recognition. For the second consecutive year, an individual in the ATC Division earned the title Soldier of the Year. Additionally, military instructors earned honors as distinguished and honor graduates of career development courses. Several military and civilian instructors were awarded commendations and appreciation letters from various agencies for outstanding performance of supporting duties.

The ATC Division enjoyed a very productive year in student training, area improvement, and personnel recognition.

CAREER TRAINING DIVISION

MISSION:

Presents over 44,000 annual academic hours of instruction supporting 41 different POIs. Major courses served by the division include the Aviation Warrant Officer Advanced Course, Warrant Officer Senior Course, the Pre-Command Course-Phase II, WOC Military Development Course, Advanced NCOES, and IERW as well as IP, examiner, and transition courses.

ORGANIZATION:

The division consists of: Division HQ, Aviation Subjects Branch, Management and Leadership Branch, Staff and Military Skills Branch, and Tactics and Strategy Branch.

PERSONNEL:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival/Departure Dates</u>
LTC Robert S. Jones, Jr.	Division Chief	11 Jul 77 - Present
MAJ Frederick D. Ledorfs	Ops Off	12 Mar 79 - Present
MAJ Edwin A. Williams	Ops Off	6 Jun 77 - 12 Mar 79
MAJ Philip McRoberts	C, Tactics & Strategy	18 Jun 79 - Present
MAJ Brian A. Rinehart	C, Tactics & Strategy	22 Dec 78 - 18 Jun 79
MAJ William McLemore	C, Staff & Mil Skills	30 May 79 - Present
MAJ Charles Goodson	C, Aviation Subjs	1 Nov 79 - Present
MAJ Marvin McGraw	C, Aviation Subjs	28 Jun 77 - 1 Nov 79
MAJ Thaddeus Davis	C, Mgt/Ldrshp Br	1 Jul 78 - Present
CW4 John Valaer	Class Director	31 Jul 79 - Present
CW4 Thomas Petit	Class Director	19 Apr 77 - 31 Jul 79
Mrs. Teresa Strickland	Education Specialist	13 Nov 78 - Present

ACCOMPLISHMENTS:

Aviation Subjects Branch. The Aviation Subjects Branch continues to be responsible for the academic instruction given to personnel attending the Initial Entry Rotary Wing (IERW) courses, all instructor pilot courses, aircraft qualification courses, the Aviation Warrant Officer Advanced Course, the Aviation Pre-Command Course, and ATC ANCOES. Branch personnel were also responsible for review of FM 1-51, Rotary Wing Flight; update of TACNAV instruction to rotary wing flight courses, flight line IPs, and reserve component units during summer training periods, as well as TACNAV programs in the UH-1 SFTS; organization/preparation of instruction as well as development of mock-up training aids for the Command Instrument System and Doppler Navigation System in the UH-60A Black Hawk Qualification and IP courses; SIP/IP refresher training course planning, preparation, and instruction for reserve component units in support of Directorate of Evaluation and Standardization; review/update of subcourses for Director of Training Developments; review of FM 1-30, Meteorology for Army Aviators.

Management and Leadership Branch. All instructional requirements of the Management/Leadership Branch were accomplished in a routine manner during 1979. Personnel changes and turbulence impacted significantly on instructor training requirements during the year. In addition to normal instruction, instructors from the branch conducted classes in Transactional Analysis for various organizations and groups on post and in the surrounding community. Classes in personal financial management were presented to the wives of WOCMD classes. The transfer of maintenance subject responsibility to Maintenance Training Division was completed; however, several new subject areas were added to the branch mission. An 11-hour block of Organizational Effectiveness Training was developed and implemented into the WOCMD program. Extensive blocks of instruction in Training Management were developed and implemented by the branch; 18 hours for the Pre-Command Course and 17 hours for NCOES. The branch was also responsible for blocks of instruction and briefings concerning the new OER system implemented Army-wide. An officer "snow-birding" with the branch conducted an extensive study aimed at upgrading the quality of the Effective Listening programs. Efforts are underway to implement the results of this study. For all assigned classes, summary sheets were developed for student issue. Outside routine class responsibilities, the branch was

responsible for the conduct of the DOAT game tables at the annual 49er Party. Additionally, the assigned chaplain presented to the TRADOC Chaplains' Conference the results of an ethics survey conducted at the Warrant Officer Career College. Finally, one civilian instructor slot was upgraded from GS-9 to GS-11, providing for two GS-11s and one GS-9 positions authorized.

Staff & Military Skills Branch. During June 1979, the Staff and Military Skills Branch was organized out of the previous Combined Arms Branch and Combat Skills Branch. This new branch has responsibility for 11 major subjects areas covering all courses taught by CTD. The Staff and Military Skills Branch was organized into two sections. One section is primarily NBC and developmental subjects. This section has continued to implement the revised NBC block of instruction and enjoyed a relatively stable and highly productive year. The other section is primarily TAC LAB subjects for aviator qualification courses as well as initial entry courses. This section has also enjoyed a highly productive year academically. During the year continued improvements were made in the TAC LAB, building 6022. Many physical, mechanical, and electrical problems have been corrected. The year's end brought a major project by replacing the hazardous and unsightly floor tile with all new tile for the entire building. The TAC LAB will soon be an exemplary educational facility for the Aviation School.

Tactics & Strategy Branch. Tactics and Strategy Branch came into being in June 1979 when a reorganization of existing branches was conducted to better align tactical subjects being taught within CTD. As a result of this reorganization, all tactical classes now being taught are the responsibility of this branch. These courses include Artillery, ADA, Air Cavalry, EW, Attack Helicopter, Air Assault, Threat, and Combined Arms Operations. These classes are presented in various forms to the Pre-Command Course, Warrant Officer Senior Course, Aviation Warrant Officer Advanced Course, IERW Course, Aeroscout MOI Course, TAC NOE IP Course, and the Rotary Wing Qualification Course. The other side of the branch consists of strategy classes given principally to the Warrant Officer Senior Course and the Aviation Warrant Officer Advanced Course. The main subjects being taught are Elements of National Power, US National Strategy, Ideologies in Conflict, Communist Powers Foreign Policy, Soviet Armed Forces, and the Strategic Balance. Due to the nature of the courses being taught in the branch, it is imperative that the instructors remain current in their fields. During 1979, many trips were accomplished to update existing lesson plans. Fort Sill, Fort Leavenworth, Fort Knox, Fort Benning, Fort Huachuca, Fort Monroe, and Maxwell AFB were all visited to coordinate and update instructor material. In addition, the principal and back-up instructors for Electronic Warfare attended the EW Course at Fort Huachuca. The battle simulation center, another responsibility of the new branch, has been improved considerably in 1979. The tables have increased from 4 to 8 and a modernized Dunn-Kempf game is being played. The new concepts in battle simulation were developed and coordinated between Fort Rucker, and CAC at Fort Leavenworth. In addition to the constant upgrading and improvements accomplished throughout the year, many briefings to both foreign and domestic officials were conducted. Included in these were briefings to the Director of Training, Israeli Army, and the Deputy Commander of TRADOC.

FLIGHT SIMULATOR DIVISION

MISSION:

Provides synthetic flight training system (SFTS) and procedural trainer support for all fixed and rotary wing flight training at the USAAVNC. Provides SFTS configuration management and software support for all flight simulators worldwide. Provides personnel for New Equipment Training Teams and Directorate of Evaluation/Standardization assistance visits. Provides evaluation of simulator projects and proposals, equipment change proposals, and provides USAAVNC representation at SFTS conferences and meetings worldwide.

ORGANIZATION:

The Flight Simulator Division is composed of a Headquarters and three branches:

- UH1 Flight Simulator Branch
- Flight Simulator Training Branch
- Software Support Branch

PERSONNEL:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival/Departure Dates</u>
MAJ Evender G. Spradlin	C, FSI	23 Jul 79 - Present
LTC Elmer E. Curbow	C, FSI	15 Mar 76 - 22 Jul 79
MAJ Thomas E. Musgrave	C, FSTB	5 Mar 77 - Present
MAJ Robert V. Weaver	C, SSB	7 Mar 77 - 25 Jul 79
CPT Thomas F. Hans	Ops Off	1 Nov 79 - Present
CPT Ronald R. Boykin	C, SSB	24 Sep 79 - Present
CW4 Loy D. Roper	C, UH1 Br	24 Mar 78 - Present

ACCOMPLISHMENTS:

Participated in DT/OT II of the AH1FS from April 1979 to September 1979. Assisted in the implementation of the new AH1G AQC which incorporated the AH1FS.

In June 1979 a new addition to building 5102 was completed. This addition was designed to house the Army's latest simulator--the UH60FS Black Hawk. Installation of the UH60FS began in June 1979 and continued throughout the remainder of the year. Estimated completion date for the UH60FS is March 1980.

Developed milestones and provided technical support for the receipt of four additional 2C35 cockpit procedural trainers to support the increase in rotary wing aviator students at the USAAVNC. The first increment of two 2C35 trainers will arrive at the USAAVNC in January 1980.

Reorganized and relocated Flight Simulator Division and Department of Flight Training equipment and personnel assets utilizing building 4901 to provide space for a seventh UH1FS device. Provided technical and logistical support for the installation of the seventh UH1FS during the period 28 Sep 79 - 4 Jan 80. The seventh UH1FS became fully operational on 7 Jan 80.

The Software Support Branch designed and developed an expanded gaming area for all SFTS facilities. This project increased the number of approach maps and navigational aids available for training in the conventional instrument environment. The capability for a student to experience a short shaft failure and a rotor/engine tach generator failure in the UH1FS was also developed and implemented.

Participated in the "in-plant acceptance" of the UH60FS which was completed on 14 December 1979.

Developed a CH47FS instructor/operator course of instruction and an AH1FS instructor/operator handbook.

Hosted the Worldwide Software Support Conference 19-20 June 1979.

Assisted DES on seven CONUS ARMS plus USAREUR and Korea inspection tours.

The Flight Simulator Division briefed over 8,300 visitors during 1979. Visitors included foreign dignitaries, congressional leaders, military personnel from all branches of service, and local and national civic groups from throughout the nation.

MAINTENANCE TRAINING DIVISION

MISSION:

Presents academic instruction to officers, warrant officers, warrant officer candidates, and military academy students. Presents academic instruction to enlisted students in AIT MOS-producing courses. Presents instruction to students enrolled in the UH-1 and OH-58 Helicopter Repair Courses. Provides support of Mobile Training Teams (MIT) and New Equipment Training Teams (NETT), as requested.

ORGANIZATION:

The Maintenance Training Division was reorganized into four branches: an administrative branch, the Officer Training Branch, the General Subjects Branch, and the Enlisted Training Branch.

PERSONNEL:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival/Departure Dates</u>
MAJ James E. Clay	Division Chief	11 Jul 79 - Present
MAJ Michael Boyd	Division Chief	14 Aug 78 - 11 Jul 79
MAJ Kervin Mihata	C, Officer Tng Branch	25 Sep 79 - Present
CPT William R. Dortch	C, General Subjects Br	24 Jan 78 - Present
CPT James T. Spencer	C, Enlisted Training Br	15 Jan 79 - 15 Nov 79
MAJ Max T. Bradley	C, Enlisted Training Br	15 Nov 79 - Present

ACCOMPLISHMENTS:

The division began the year with a backlog of 265 enlisted students. This backlog continued through March. The year ended with no backlog and 560 enlisted students in training. During the year, 89 reserve component personnel were trained and active Army graduates totaled 7,537.

The General Subjects Branch (GSB) began the calendar year with a backlog of 67N10 students. On 30 January 1979, the GSB went to an early shift of training (0530 to 1230) as part of a program to facilitate two shifts of training by the 67N10 Section. The student backlog was eliminated in March. The high in-house training load was reduced sufficiently for both branches to return to a single regular shift of training in May. A special class of 21 Korean students began GSB 67N10 training on 14 May 1979. All students completed GSB training by 5 June 1979.

In January 1979, the 67V and 67N sections were combined under one branch to provide better control and operation. The sections were designated as the Enlisted Training Branch (ETB). In August 1979, a Skill Qualification Testing (SQT) training program was set up to provide training for all 67N personnel postwide before scheduled testing. In October 1979, all handout material, to include tapes, narratives, and slides, was taken to Fort Eustis, Virginia, to be updated for use with the new TM 55-1520-210-33. In September 1979, the 67N Section provided assistance to personnel who were victims of Hurricane Frederic and housed 35 TH-55s and 15 additional UH-1H helicopters that belonged to Fort Rucker.

During the months of April, May, and September, instructors from the 67V Section visited Fort Leonard Wood, Tulsa, and Fort Campbell to pretest Army Reserve and National Guard personnel. The purpose of the testing was to identify weak areas of Military Occupational Specialty (MOS) knowledge in preparation for SQT and to enhance annual training periods. These visits resulted in increased proficiency for the units in a minimum amount of time. In June and July, 67V10 instructors researched, developed, and implemented the 67V SQT training program. Thirty-three people were trained in the SQT preparation training program.

In May the 67V10 training program was expanded to five phases with Phase VI (OH-58C Annex) being the final addition in October.

The OH-58C New Equipment Training Team (NETT) visited units at Fort Campbell, Fort Sill, and Fort Stewart with 279 students being trained. The Vibrex NETT visited Korea, Fort Benning, Germany, Hawaii, Fort Hood, Panama, Fort Ord, Fort Bragg, and Fort Rucker. A total of 208 students was trained.

The Officer Training Branch implemented the AH-1S Aircraft Qualification Course (AQC). During the year, programs of instruction were completed for the Warrant Officer Senior Course (WOSC), Aviation Warrant Officer Advanced Course (AWOAC), and the Pre-Command Course (PPC). Maintenance Training Teams (MTTs) were handled on the CH-47 and AH-1 for the United States Army Reserve. Continuous coordination was made with the Directorate of Training Developments (DTD) to obtain UH-60 training aids. In December all classrooms were reorganized to accommodate increased aviator training and attain maximum utilization of available training areas.

DEPARTMENT OF FLIGHT TRAINING

MISSION:

Conducts all flight instruction presented in formal courses of instruction at the United States Army Aviation Center. Serves as advisor to the Director of Training and as the Contracting Officer's Representative (COR) for all contracted flight instruction.

ORGANIZATION:

The Department of Flight Training (DOFT) is organized as follows: Headquarters, with the Operations, Administration, and Supply Branches; Hanchey Division with Training Scheduling, Contract Evaluation, Attack/Aeroscout, and Cargo Branches; Cairns Division with Cairns Airfield, Contract Evaluation, Rotary Wing Instrument, and Training Scheduling Branches; Lowe Division with Airfield Operations, Contact/Night Qualification, Combat Skills, and Instructor Pilot/Methods of Instruction Branches.

On 1 November 1979 Cairns Division acquired Cairns Army Airfield from the Directorate of Training. With this acquisition came the added responsibility of the VIP flight control and airfield maintenance. In order to improve personnel and management control, a new unit was formed called the Airfield Branch. The Airfield Branch is composed of the Headquarters Section, Instrument and Aviator Qualification Section, Flight Operations/Alert Section, and Flight Records.

Hanchey Division directs and coordinates all activities of Hanchey Army Heliport and the flight training given in Department of the Army transition, qualification, instructor pilot, and local methods of instruction courses (TH-55; AH-1 IPC/AQC/TOW; UH-1 IPC Phase II; OH-58 IPC; OH-58 Aeroscout Combat Skills; and CH-47 AQC/IPC). Serves as COR for primary flight training conducted by the contractor.

Cairns Division directs and coordinates the activities of Cairns Army Airfield. Conducts the UH-60 AQC/IPC Course, the Rotary Wing Aviator Refresher Training Course (RWART), and the Rotary Wing Instrument Flight Examiner Course (RWIFEC). Serves as the COR for the fixed wing flight training, the rotary wing transition, and rotary wing instrument flight training contracts (Fixed Wing Multi-Engine Qualification Course (FWMEQC); OV-1 Aviator Qualification Course (AQC); U-21/U-8/OV-1 Instructor Pilot Course (IPC); Rotary Wing Instrument Course (RWIC); and Initial Entry Rotary Wing (IERW), Instrument Phase.)

Lowe Division directs and coordinates the activities of Lowe Army Heliport and Runkle Army Airfield in the conduct of UH-1 flight training in IERW transition, night qualification, combat skills, Department of the Army instructor pilot courses (UH-1 IPC, Phase I), contact, tactics, and night qualification/night vision goggles methods of instruction courses.

PERSONNEL:

COL Jerry A. Simmons served as Director of Flight Training from 1 Jan 79 to 24 Mar 79.

LTC Nick J. Primis served as Acting Director from 27 Mar 79 to 10 Jun 79.

COL Frederic W. Watke served as Director from 11 Jun 79 to 31 Dec 79.

LTC John E. Watts served as Deputy Director from the entire year.

Other key personnel:

Headquarters

Ms. Leona S. Boginski	C, Admin Br	1 Jan - 31 Dec 79
Mr. Millard Whittle	C, Supply Br	1 Jan - 31 Dec 79
MAJ John F. Mercadante	C, Ops Br	1 Jan - 31 Dec 79

Hanchey Division

LTC Charles W. Abbey	Cdr	1 Jan - 31 Dec 79
MAJ Joe F. Shipes	Asst Cdr	2 Jan - 23 Jul 79
MAJ Jimmy V. Dobbs	Asst Cdr	31 Jul - 31 Dec 79
MAJ Ben P. McFall	C, Tng Sched Br	1 Jan - 20 May 79
MAJ Thomas R. Pearson	C, Tng Sched Br	21 May - 31 Dec 79
MAJ David L. Fishbaugh	C, Atk/Aero Br	1 Jan - 17 Jun 79
MAJ Robert J. Cleland	C, Atk/Aero Br	18 Jun - 31 Dec 79
MAJ Robert M. Strickland	C, Cargo Br	1 Jan - 15 May 79
CPT James R. Kincaid, Jr.	C, Cargo Br	16 May - 8 Jul 79
MAJ John O. Britt, Jr.	C, Cargo Br	9 Jul - 31 Dec 79
MAJ William L. Smith	C, Contract Eval Br	1 Jan - 31 Dec 79

Cairns Division

LTC James H. Thacker	Cdr	1 Jan - 31 Dec 79
MAJ Ronald J. Wimberley	Asst Cdr	1 Jan - 31 Dec 79
MAJ Michael W. Foster	C, Tng Sched Br	1 Jan - 21 Sep 79
CPT James A. Tillman	C, Tng Sched Br	24 Sep - 31 Dec 79
MAJ Walter C. Ingram	C, Contract Eval Br	1 Jan - 8 Mar 79
MAJ Arthur E. Pekarek	C, Contract Eval Br	9 Mar - 20 Sep 79
MAJ Michael W. Foster	C, Contract Eval Br	21 Sep - 31 Dec 79
MAJ Warren W. Spencer	C, RW Instrument Br	1 Jan - 31 Dec 79
MAJ Raymond L. Beauregard	C, Airfield Br	1 Nov - 31 Dec 79

Lowe Division

LTC Nick J. Primis	Cdr	1 Jan - 2 Dec 79
LTC Robert J. Quesinberry	Cdr	3 Dec - 31 Dec 79
LTC Robert J. Quesinberry	Asst Cdr	1 Jan - 2 Dec 79
MAJ Kenneth T. Satterfield	Asst Cdr	3 Dec - 31 Dec 79
MAJ Richard G. Dickson	C, Con/Night Qual Br	1 Jan - 6 May 79
MAJ Kenneth T. Satterfield	C, Con/Night Qual Br	7 May - 31 Oct 79
MAJ John A. Picot	C, Con/Night Qual Br	1 Nov - 31 Dec 79
MAJ John M. Malcolm	C, Combat Skills Br I	1 Jan - 29 May 79
MAJ Raymond L. Beauregard	C, Combat Skills Br I	30 May - 31 Oct 79
MAJ Michael M. Jacobi	C, Combat Skills Br I	1 Nov - 31 Dec 79
MAJ Bruce S. Beals	C, Combat Skills Br II	1 Jan - 31 Dec 79
MAJ Peter M. Ingram	C, IP/MOI Br	1 Jan - 22 Jan 79
MAJ Robert V. Baker	C, IP/MOI Br	23 Jan - 29 May 79
MAJ Samuel E. Denton	C, IP/MOI Br	30 May - 31 Dec 79

The personnel turnover rate for the period 1 Jan 79 through 31 Dec 79 was 68.7 percent. Authorized strength at the close of the fiscal year was as follows: Officers - 131; Warrant Officers - 388; Enlisted Personnel - 108; Department of the Army Civilians - 134; Total - 761.

Thirteen foreign officers were assigned as follows: Germany - 10; Denmark - 1; Britain - 1; Holland - 1.

ACCOMPLISHMENTS:

In 1979 a total of 877 Initial Entry Rotary Wing (IERW) students graduated and received Army Aviation Wings. Included in the total were 56 Air Force officers, 79 EURO/NATO students, 9 other Allied officers, 9 National Guard, and 39 Reserve students. In addition to the IERW students, the Department of Flight Training graduated 1,952 aviators from 18 other programs of instruction.

In accomplishing this training, 269,180 hours were flown in aircraft.

Four training vehicles were utilized in the Initial Entry Rotary Wing Course: the TH-55 during primary training--50 hours in 8 weeks; UH-1 transition--25 hours in 4 weeks; UH-1 instrument training--55 hours in 8 weeks, with 20 hours in the UH-1 and 35 hours in the UH-1 Flight Simulator (FS); UH-1 night qualification--20 hours in 4 weeks; combat skills training--65 hours in 8 weeks, with 60 hours in the UH-1 and 5 hours in the FS; combat skills training--65 hours in 8 weeks, with 60 hours in the OH-58 and 5 hours in the FS.

Training aircraft used in graduate flight courses of instruction: FWMEQC--60 hours in 10 weeks and 2 days; OV-1 AQC--72 hours in 6 weeks and 4 days, with 49.5 hours in the OV-1 and 22.5 hours in the procedural trainer; OV-1 IPC/MOI--45 hours in 6 weeks and 2 days; U-21 IPC/MOI--45 hours in 6 weeks and 2 days; T-42 IP MOI--30 hours in 4 weeks; RWQC (US Air Force)--63 hours in 11 weeks with 39 hours in the UH-1 and 24 hours in the UH-1FS; RWQC (US Army and Foreign Military)--70.5 hours in 12 weeks, with 42 hours in the UH-1 and 28.5 hours in the UH-1FS; RWIC (Foreign Military)--37.5 hours in 6 weeks, with 7.5 hours in the UH-1 and 30 hours in the UH-1FS; RWIC (German)--40 hours in 6 weeks, with 15 hours in the UH-1 and 25 hours in the UH-1FS; RWIFEC--58 hours in 6 weeks, with 30 hours in the UH-1 and 28 hours in the UH-1FS; Rotary Wing Instrument IP MOI Course (RWI IP MOI)--45 hours in 6 weeks and 1 day, with 16.5 hours in the UH-1 and 28.5 hours in the UH-1FS; RWART--30 hours in 4 weeks, with 18 hours in the UH-1 and 12 hours in the UH-1FS; UH-1 IPC--40 hours in 6 weeks and 2 days; TAC/NOE MOI--30 hours in 4 weeks; Night Hawk/Night Vision Goggle MOI--23 hours in 4 weeks, with 21.5 hours in the UH-1 and 1.5 hours in the UH-1FS; OH-58 IP/MOI--26.5 hours in 4 weeks and 1 day, with 25 hours in the OH-58 and 1.5 hours in the UH-1FS; OH-58 Aeroscout MOI--72 hours in 11 weeks and 2 days, with 69 hours in the OH-58 and 3 hours in the UH-1FS; CH-47 AQC--52.6 hours in 7 weeks and 2 days, and 26.6 hours in the CH-47 and 26 hours in the CH-47FS; CH-47 IPC--40 hours in 6 weeks and 2 days; CH-47 IP MOI--71 hours in 6 weeks and 2 days, with 40 hours in the CH-47 and 31 hours in the CH-47FS; AH-1G AQC--25 hours in 4 weeks, 2 1/2 days; AH-1G IPC/MOI--27 hours in 4 weeks, 2 1/2 days; AH-1S AQC--8 hours in 2 weeks and 3 days; UH-60 AQC--15 hours in 4 weeks; UH-60 IPC--20 hours in 4 weeks and 4 days.

The 1979 United States Military Academy (USMA) Aviation Summer Training Program was conducted by DOFT from July through August in the TH-55 helicopter. Forty-two USMA cadets received the training this year. Hanchey Division provided each of the 42 cadets approximately 15 hours of flight instruction, totaling 630 hours of flight time.

During the year support was furnished the 145th Aviation Company, OK Army National Guard (ARNG); 38th Aviation Battalion, MO ARNG; Detachment 1, 256th Infantry Brigade, LA ARNG; 83d ARCOM, Ohio, United States Army Reserve (USAR); Aviation Section, 377th COSCOM, LA USAR; Aviation Section, 416th Engineer Command, USAR, Illinois; 450th Aviation Company, AR ARNG; 30th Aviation Battalion, NC ARNG; 42d Aviation Battalion, KY ARNG; 3320th USAR Garrison, FL; Detachment 1, 256th Infantry Brigade (Mech), LA ARNG; and 190th Aviation Company, USAR, Olathe, KS.

This department also had the responsibility of providing crews and aircraft for a number of static displays, including the Pike County, Alabama Military-Civilian Affairs Committee Open House; Atmore Air Show, Atmore, Alabama; Brohn Range, Fort Benning, Georgia; and Army Day, Maxwell Air Force Base, Alabama.

The department furnished a number of personnel in support of military assistance teams and military training teams for organizations and individuals throughout the US.

The entire department was actively involved in the operational planning and evacuation of aircraft during Hurricane Frederic. After the hurricane had passed and during the period 150900Z September 1979 to 101900Z November 1979, Army aviation support consisted of three UH-1 helicopters, a pilot, and two crew chiefs. This was in support of disaster relief efforts for the Federal Emergency Management Agency. These aircraft flew a total of 303.3 hours, 327 sorties, hauled 20,315 pounds of cargo and emergency equipment; six medevac missions; 1,040 disaster officials; 642 residents; reestablished communications with Mobile and Baldwin Counties in Alabama. The Hanchey Division was also called upon to search for a downed Navy training jet in Mississippi.

Hanchey Division was also called upon to pick up 4,000 quarts of turbine engine oil which were delayed by the trucker's strike.

The UH-60 program began in January 1979 with the selection of the first five instructor pilots. The initial selections were factory-trained, and the first two aircraft were flown to Cairns Army Airfield in March 1979. The first training class at Cairns Army Airfield started 7 May 1979, and from that date until the end of the year, 97 aviators were transitioned in the UH-60. (61 were aircraft qualifications; 29 were given IP ratings, and seven of the transitions were in-house.)

The department had a total of seven incidents and 16 accidents, with one fatality, one major injury, and two minor injuries. The accident rate per 100,000 flying hours was 5.9 for the calendar year. This is an increase from the previous year of 4.1.

Eighteen Safety Certificates of Achievement were awarded for accident-free flying hours to the following organizations:

Lowe Division Branches	2
Hanchey Division Branches	2
Cairns Division Branches	14

Individual Safety Certificates of Achievement were received by 37 flight instructors at Lowe Division; 35 flight instructors at Hanchey Division; and 52 flight instructors at Cairns Division. In addition to the above, six flight instructors received Broken Wing Awards.

Military awards consisted of 29 Army Commendation Medals and 13 Meritorious Service Medals.

Department of the Army Civilian Ratings/Awards consisted of 59 Outstanding Performance Ratings; six Quality Step Increases; and six Sustained Superior Performance Awards.

A large number of VIP briefings were conducted throughout the year. These were presented to senior officers and civilians from the US Army, US Air Force, US Navy, and various foreign countries, including: France, Sweden, Korea, Kenya, Netherlands, Canada, Japan, Germany, Yemen, and Israel. Briefings to the distinguished VIPs included: Mr. Keel, Personal Staff Member, Senator Cannon; Mr. Harvey, Consultant to the Assistant of Army Research Development and Acquisition; Senator Stewart, US Senator from Alabama; Governor James, Governor of Alabama; State Senator Bond of Georgia; Congressman Dickinson of Alabama; Mr. Fish, Budget Affairs Management and Budget Office, Secretary of Defense; Dr. Pierre, Assistant Secretary of the Army for Research Development and Acquisition; Mr. Nelson, Assistant Secretary of the Army; Honorable Mr. Clayton, Secretary of the Navy; Mr. Lockerd, GS-16, Department for Test Resource, OUSDRE; Ms. Carpenter, Deputy Assistant Secretary, Equal Opportunity Office, Secretary of Defense; Mr. Allen, Special Assistant to Military Construction Sub-Committee, House Appropriation Committee; Senator Baker, US Senator from Tennessee; and the Honorable Gibbs, Assistant Secretary of the Army. Many of the briefings consisted of information pertinent to various types of flight training, including combat skills, night flying with night vision goggles, and a number of actual flight demonstrations conducted in the UH-1 and UH-60. Some of the flights involved demonstrated the use of night vision goggles.

DIRECTORATE OF TRAINING DEVELOPMENTS

MISSION:

Directs all activities and actions encompassing the training development processes for which the school is proponent in the areas of training analysis, design, and development. Produces the Individual Training Plan (ITP), Soldier's Manual (SM), Commander's Manual (CM), Job Books (JB), Skill Qualification Test (SQT), and Collective Training Plan (Army Training and Evaluation Program). Manages the Army-wide Training Literature Program (ATLP). Provides for staff and faculty development, Training Aid Services Center (TASC) services, training aids support, and educational television. Prepares the US Army Aviation Digest. Serves as Program Director for training developments. Manages the Education Intern Training Program. Administers the USAAVNC program for accreditation by the Southern Association of Colleges and Schools.

ORGANIZATION:

The Directorate of Training Developments (DTD) is organized into the following major elements:

- Office of the Director
- Program Management Office
- Training Analysis and Design Division
- Training Literature Division
- Course Development Division
- Training Aids Division
- Educational Television Division
- Staff and Faculty Development Division
- United States Army Aviation Digest

PERSONNEL:

Directors of Training Developments for 1979 were:

Colonel Ralph J. Powell	1 Jan 79 - 16 Jul 79
Colonel George F. Newton	17 Jul 79 - Present

Other key personnel assigned to the directorate were:

COL William K. Bedsole was Deputy Director from 17 Apr 79 - present.

MAJ Louis Scipioni, Jr., served as Executive Officer from 1 Jan 79 - 16 Apr 79.

Mrs. Hellen G. Rhodes was Chief, Program Management Office, during the entire year.

LTC John V. Owens assumed duties as Chief, Course Development Division, on 19 March 1979 from COL William K. Bedsole.

MAJ James W. Hudgins served as Chief, Training Literature Division, the entire year.

MAJ Steven B. Dodge assumed duties as Chief, Training Analysis and Design Division, on 14 November 1979 from COL Robert M. Furney, who served as chief from 1 January 1979 - 13 November 1979.

Mr. Richard K. Tierney was Editor, US Army Aviation Digest; Mr. Thomas B. Carr was Chief, Educational Television Branch; Mr. Jimmy L. Goodson was Chief, Training Aids Branch; and Mr. Albert F. Gibbs was Chief, Staff and Faculty Development Division, during the entire year.

Authorized strength at the close of the year was as follows: Officers - 73; Warrant Officers - 12; Enlisted - 126; Department of the Army Civilians - 154; Total - 365.

Accreditation of the US Army Aviation Center by the Southern Association of Colleges and Schools was reaffirmed at the annual conference in December 1979.

Participated in each of the quarterly meetings of the Intra-Service Schools Combined Arms Curriculum Committee to exchange information of mutual interest of affiliated schools.

PROGRAM MANAGEMENT OFFICE

MISSION:

Serves as Program Manager and point of contact for status of all programs including assigned projects and operating programs. Acts for the Program Director on resource matters. Performs programing and budgeting functions and exercises staff supervision for budget preparation and execution. Conducts review and analysis of training developments activities. Conducts continuous analysis of resource utilization and implements necessary reprograming action. Coordinates development and approval of program change proposals for new and revised training within directorate and with Working Program Resource Advisory Committee (WPRAC) and TRADOC. Maintains central control system for projects and actions; conducts continuing evaluation of progress toward milestones, and reprograms as necessary. Develops and revises DTD annual work plan to include SME man-day requirements. Compiles, monitors, and evaluates the training developments portion of the TRADOC Management Information System/Combined Arms Center Management Information System (TRAMIS/CACMIS). Develops manpower requirements and organizational structures in support of assigned mission. Manages the operation of the Word Processing Center. Formulates policies and procedures related to administrative functions within the directorate. Provides internal administrative and logistical services for the headquarters.

ACCOMPLISHMENTS:

During the period 15-22 January 1979, the directorate was involved in the TRADOC evaluation of training and training development at the USAAVNC.

The training development TRAMIS/CACMIS data base was revised effective 1 February 1979 to consolidate cost centers to one for each division. The data base involves 1,893 ongoing actions.

Effective 20 July 1979, a reorganization of the directorate was approved which involved the following:

Establishment of a New Equipment Training (NET) Development Branch in the Training Analysis and Design Division. Consolidation of all NET actions into one element as necessary to eliminate fragmentation of the mission.

Restructuring of the Course Development Division to establish training development teams to permit concurrent development of institutional and extension training. The Flight Systems Training Development Branch was established and is comprised of six teams: (1) Aeroscout, (2) Attack, (3) Utility, (4) Cargo, (5) Fixed Wing, and (6) CORE Subjects. The EPMS/OPMS Training Development Branch was established and is comprised of three teams: (1) Officer/Warrant Officer, (2) 93H/J MOS, and (3) 71P MOS. A Project Management and Coordination Branch was established to consolidate into one central element those operational and administrative actions not directly related to product development.

In October 1979, the USAAVNC entered into a Memorandum of Agreement with the US Army Training Support Center to define relationships and support to be provided for the production of Skill Qualification Tests for MOSSs 71P, 93H, and 93J.

Resource accounting for training development subject matter experts was realigned from the Director of Training to the Director of Training Developments effective 1 October 1979.

Directorate personnel participated in the TRADOC Review of Manpower for FY 80 and 81 at Fort Monroe, VA. A total of 494 manpower requirements was validated for FY 80 and 423 for FY 81.

The directorate is Program Director for five Army Management Structure Codes (AMSCs) involving 17 Accounting Processing Codes (APCs). Managed the FY 79 operating budget of \$5,121.6 and prepared the training development input to the the FY 80 Command Operating Budget.

The Word Processing Center produced 90,000 typed pages during FY 79 in support of training development products.

In November 1979, DTD developed detailed resource requirements to support the fielding of new equipment systems programed to enter the Army inventory during FY 81-85. The requirements recognized were based on the AH-64, CH-47D, HELLFIRE, UH-60A, ASH, OH-58C, NAVSTAR, and PLRS systems.

Program Change proposals (PCP) to include resource requirement summaries were completed for the following programs of instruction:

Aviation Warrant Officer Advanced Course (2-1-C32). The revised POI included minor changes resulting from feedback data (course critiques), changes in technical publications, and coverage of subject areas directed by higher headquarters. These changes were implemented within existing resources as approved by TRADOC, 11 September 1979.

OH-58 Instructor Pilot Course (2C-F23). This course was revised to incorporate simulator training for tactical navigation and instrument flight and implement TC 1-137, Aircrew Training Manual - Observation Helicopter, flight tasks. Current manpower resources were sufficient to implement changes as approved by TRADOC (10 October 1979). Implementation of the revised course began with class 80-2 (7 November 1979).

OV-1 Instructor Pilot Course (2B-F5). The revised course incorporated minor changes to comply with TC 1-144, Aircrew Training Manual - Surveillance Airplane, update specialty and additional skill identifiers (SSI/ASI), and delete aircraft catapult qualification and ammunition requirements since aviators receive seat ejection qualification in the OV-1 Aviator Qualification Course (2B-F2/2B-101D). These changes were approved by TRADOC (3 December 1979) and implemented within existing resources. The revised course is to be implemented with class 80-2 (9 January 1980).

CH-47 Instructor Pilot Course (2C-F10). This course included major changes resulting from TC 1-139, Aircrew Training Manual - Cargo Helicopter, and Army Regulation 95-1 requirements and establishment of methods-of-instruction training for USAAVNC students only in the 2B31 CH-47 Synthetic Flight Training System (SFTS). No additional resources are required to support course revision except for additional funding to qualify aviators in added flight maneuvers IAW applicable ATMs. The course has been approved by TRADOC (12 October 1979) and is projected for total implementation in FY 80-2 once the flight training supplement peculiar to the course is approved by the DCG.

U-21 Instructor Pilot Course (2B-F11). This course was revised to incorporate minor changes that would improve course flow and comply with TC 1-145, Aircrew Training Manual - Utility Airplane, flight task requirements. This course change was approved by TRADOC (4 October 1979) and is scheduled for implementation with class 11-3 (11 February 1980). No additional resources were required to support course revision.

Synthetic Flight Training System (UH-1FS) Instructor Pilot Course (number not assigned). This course was proposed to provide units in the field with qualified UH-1FS instructor pilots (IP). This training would standardize IP training in the capabilities and usage of the UH-1FS. A TRADOC evaluation of the training requirement revealed that the material in the proposed course was being given in the field without obligating TDY travel funds. Inquiries to other major commands did not substantiate the need for such a UH-1FS IPC. Therefore, TRADOC returned the proposed course without action due to insufficient justification.

Flight Simulator (2B24) Specialist Course (191-F1). This course is awaiting a TRADOC decision to change the above 2B24 designator to read UH-1FS. Furthermore, prerequisite, MOS 93D20/40, was changed to 93J and ASI F8 was added in the course. These changes were forwarded to TRADOC for action (21 December 1979) to comply with terminology in C7, AR 611-201.

TRAINING ANALYSIS AND DESIGN DIVISION

MISSION:

Performs Phase I and II of the Instructional Systems Development (ISD) process for USAAVNC proponent Individual Training Programs for officers, warrant officers, and enlisted specialties. Conducts analysis of training requirements for existing aviation systems and subsystems and for those under development. Participates in development of training tasks for development and operational testing of aviation systems/subsystems. Performs Cost and Training Effectiveness Analysis (CTEA). Determines training needs for Reserve Components. Reviews and acts on feedback data from DES and the field. Supports development and review of training programs under skills performance aids (SPA). Maintains liaison with Combined Arms Center (CAC) and acts as USAAVNC POC for computer-assisted games and simulation. Acts as USAAVNC POC and coordination center for simulators and training devices. Develops materiel requirements document (TDR, TD, LR, LOA) for simulators and training devices. Participates in the development of plans for tests/studies of simulators and training devices. Provides continuous coordination with Directorate of Combat Developments (DCD) on matters relating to New Equipment Training (NET), Required Operational Capability (ROC), Letters of Agreement (LOA), letter requests, Basis of Issue Plans (BOIP), Qualitative and Quantitative Personnel Requirements Information (QQPRI), Operational Tests (OT), Developmental Tests (DT), Cost and Operational Effectiveness Analysis (COEA), and other areas of mutual interest.

ORGANIZATION:

The Training Analysis Design Division is composed of four branches:

- Training Analysis Branch
- Training Devices Branch
- Training Design Branch
- New Equipment Training Development Branch

ACCOMPLISHMENTS:

Completed the following Instructional System Development Actions:

Front end analysis:

- AH-1S (Modernized) Aviator Qualification
- OV-1 Aviator Qualification
- OV-1 Instructor Pilot
- Warrant Officer Candidate Military Development
- Aircraft Life Support Equipment Operator
- Rotary Wing Instrument Flight Examiner
- Aviation Warrant Officer Advanced Training

Design:

- Fixed Wing Multi-Engine Qualification
- AH-1S (Modernized) Aviator Qualification
- OV-1 Aviator Qualification
- AH-1S (Production) Aviator Qualification
- AH-1S (Production) Instructor Pilot
- Warrant Officer Orientation
- AN/APR-39(V)1 Radar Warning Receiver

Reviewed and/or revised 15 institutional courses.

Assisted civilian contractor in the FEA of the AH-64 helicopter.

Incorporated aircraft survivability task into all aviator task lists and completed task analysis.

Reviewed the SAGGER Detection and Countermeasures Course and physical fitness tasks.

Developed scoring guides or templates for second generation skill qualification tests (SQT) and developed/validated third generation SQTs for MOSs 71P, 93H, and 93J.

Completed the following Army Training and Evaluation Program (ARTEP) actions:

- Analysis and Design of ARTEP 1-252 Combat Aviation Group/Battalion (Nondivisional)
- Analysis and Design of Common Aircrew Proficiency Task List
- Review of eight nonproponent ARTEPs

Revised the Soldier's Manuals, Commander's manuals, and Job Books for MOSs 71P, 93H, and 93J. The revision complied with guidelines in TRADOC's Policy and Procedures Manual and included the validated instructional systems development tasks.

Developed Enlisted Training Strategies for MOSs 71P, 93H, and 93J. The strategies complied with TRADOC Commanding General's guidelines. Some major changes to the current training strategies were the addition of Primary and Basic Technical Leadership Courses, the reduction of approach control radar training in resident school, and the addition of exportable training materials.

Developed, validated, and distributed 24 versions of the 1980 US Army Aviation Annual Written Examinations for testing approximately 16,000 active and reserve component Army aviators.

Completed the following study actions:

Draft report of AH-1 Flight Simulator (AH-1FS) Cost and Training Effectiveness Analysis (CTEA). Obtained approval of CTEA at Study Advisory Group meeting (5 December 1979). Briefed BG McNair on CTEA (6 December 1979). Briefed MG Merryman on CTEA (10 January 1980). Completed preliminary analysis of cost and training effectiveness of AH-1FS for Army National Guard aviators.

Preliminary CTEA of Advanced Scout Helicopter for input to ASH Cost and Operational Effectiveness Analysis.

Study directive and study plan for UH-60 Flight Simulator (UH-60FS) CTEA. SAG for UH-60FS will be conducted 24 January 1980.

Preliminary analysis of cost and training effectiveness of Tactical Radar Threat Generator incorporated into Training Device Letter Requirement.

Completed the following actions in support of developing systems:

Individual/Collective Training Plans for the CH-47D, AH-1S, UH-60, OH-58 (PIP), and ASH (Draft).

New Equipment Training Plans for Advanced Attack Helicopter (ASH), Airborne Target Handoff System, and AN/ALQ-136(V)2 Countermeasure Set.

Training Support Packages for:

- AN/ALQ-147A(V)1 Countermeasure Set (Improved Hot Brick) OV-1D
- AN/ALQ-147A(V)2 Countermeasure Set (Improved Hot Brick) RV-1D
- AN/ALQ-156 Countermeasure Set
- AN/ALQ-136(V)1 Radar Jammer
- AN/APR-39(V)2 Radar Signal Detection Set

Training assessment input for 10 proponent systems.

Required operational capability input for two systems.

Qualitative/Quantitative Personnel Requirements Information Input for 19 systems.

New Equipment Training Team (NETT) instructor for the AN/APR(V)1 Radar Warning Receiver at four locations and test player training for the AN/APR-39(V)2 Radar Warning Receiver.

Input to Basis of Issue Plan for Aircraft Survivability Equipment.

Input to Test Plan for Tactical Threat Generator.

Production subject matter expert support and validation of AN/APR-39(V)1 films on signal recognition and discrimination.

Review of USAAVNC Proponent Product Improvement Programs and the Reliability Improvement Warranties Program.

Training Devices:

Concluded advisory activities for Operational Test (OT II) on the AH-1 Flight Simulator.

Provided assistance for the integration of the AH-1FS into the AQC POI.

Provided assistance for the integration of the CH-47FS into the AQC POI and the aircrew training manual.

The 112H Helicopter Instrument Trainer was evaluated to determine its applicability as a helicopter instrument trainer. It was determined to be a viable alternative to the training aircraft.

In March 1979, the OH-58C Engine Trainer was accepted at Fort Rucker.

In February 1979, the UH-60 Fuel Systems Trainer was accepted at Fort Rucker.

In December 1979 one UH-1FS was transferred from Fort Eustis, VA, to Fort Rucker.

Four 2C35 UH-1 Cockpit Procedures Trainers were purchased.

TRAINING LITERATURE DIVISION

MISSION:

Responsible for the USAAVNC's portion of the TRADOC Army-wide Training Literature Program (ATLP) requirements. Develops and coordinates the preparation of proponent field manuals, DA pamphlets, training circulars, ROTC manuals, and augmentation training publications. Reviews doctrinal, organizational, and materiel documents pertaining to aviation training literature. Researches, develops, reviews, revises, and prepares proponent aircrew training manuals. Provides interface with DCD to insure training and doctrine publications are developed in consonance with international Standardization Agreements (STANAGs), and coordinates final draft manuscripts of publications to insure compliance with STANAGs and Quadripartite Standardization Agreement (QSTAGs). Maintains individual files for each aviation training publication.

ORGANIZATION:

The Training Literature Division is composed of three branches:

General Publications Branch
Doctrine/Standardization Publications Branch
Publications Production Branch

ACCOMPLISHMENTS:

The following publications were completed and forwarded to TRADOC.

Tactical TRADOC Training Circular 1, Joint Air Attack Team Operation
C2, FM 1-5, Instrument Flying and Navigation for Army Aviators
TC 1-62, Aviation Life Support Equipment (ALSE)
TC 1-75, Instructor's Guide for the UH-1 Flight Simulator (UH-1FS)
FM 1-50, Fixed Wing Flight

Hosted an In-Process Review of the Aircrew Training Manuals (ATMs) during 17-20 July 1979. MACOMs, HQDA, and TRADOC aircraft proponent centers and USAAVNC directorates were in attendance. More than 50 issues which led to numerous changes to the ATMs were addressed and are being implemented through DA printing of the manuals.

COURSE DEVELOPMENT DIVISION

MISSION:

Performs Phase III of Instructional Systems Development (ISD) for individual training. Using ISD and draft Individual Training Plan (ITP), develops and writes programs of instruction (POI), instructional management plans, lesson plans, and related instructional material for institutional and extension instruction to include self-teaching exportable packages (STEPS), programmed texts, the Army Correspondence Program (ACCP), and Training Extension Course (TEC) lessons. Coordinates and validates preparation of institutional and extension training material. Updates and coordinates changes to institutional and extension courses based upon comments/feedback from students, other service schools, agencies, training centers, and other sources. Prepares final ITP for which USAAVNC is proponent. Maintains vault file of POIs. Prepares scripts in support of the USAAVNC Educational Television (ETV) and Department of the Army Audiovisual Production Program (DAAPP). Researches, develops, prepares, and coordinates scripts to support DA- and TRADOC-directed instructional television production requirements.

ORGANIZATION:

The Course Development Division is composed of three branches:

- Project Management/Coordination Branch
- Flight Systems Training Development Branch
- Enlisted Personnel Management System/Officer Personnel Management System Branch

ACCOMPLISHMENTS:

- Developed flight supplements to the ATMs for all flight POIs conducted at USAAVNC.
- Incorporated the newly acquired AH-1 Flight Simulator into the AH-1 training programs.
- Designed and developed a validation plan for the CH-47 Aviator Qualification Course.
- Developed a Warrant Officer Candidate and Aviator Orientation packet that will be provided to all incoming aviation students in Initial Entry Rotary Wing and Warrant Officer Candidate Military Development Training.
- Developed a POI for the aviator Pre-Command Course.
- Completed development of POI for implementation of UH-60A, Black Hawk, which was the first factory-developed aircraft training program under the ISD procedures. Initiated validation of the UH-60 program.
- Revised dual track IERW program to incorporate changes in aeroscout training.
- Developed the ISD POIs for skill level 1 for MOSs 93H and 93J.
- Developed POIs for skill level 4 for MOSs 93H, 93J, and 71P.
- Assisted in the development and implementation of end-of-course comprehensive tests for MOSs 93H10 and 93J10.
- Developed a POI for a nonaviation warrant officer orientation course.

Updated the following programs of instruction:

- Aviation Warrant Officer Advanced Course
- OH-58 Instructor Pilot Course
- OV-1 Instructor Pilot Course
- CH-47 Instructor Pilot Course
- U-21 Instructor Pilot Course
- SFTS Instructor Pilot Course
- Flight Simulator Specialist Course

Forty-two new correspondence subcourses were developed, and 29 were revised.

Developed the nonresident ACCP POI for skill level 5, MOS 93J50.

Materials supporting TEC lesson development requirements were completed for 113 lessons to be contract produced in FY 80-81. Thirty-nine TEC lessons were completed in FY 79.

Accomplished an exchange of visits and briefings with USAATCA/USACC to establish liaison between the operating-user command and the training institution (USAAVNC).

TRAINING AIDS DIVISION

MISSION:

The Training Aids Division is a consolidated training aid/audiovisual support activity providing a single point of contact (POC) for coordination of training aid requirements. It is responsible for a centralized multi-media consultation service, control and distribution of work requests, control of priorities, quality assurance, and responsive service. Provides training aids support for the US 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, GTAs, 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.

ORGANIZATION:

The Training Aids Branch is composed of five branches:

- Admin/Supply Branch
- Graphics Branch
- Devices Branch
- Electronic Branch
- Photographic Branch

ACCOMPLISHMENTS:

The Graphics Branch produced high quality graphic items such as master art for 35mm slides, overhead transparency masters and copies, charts, black-and-white printing plan masters, embossed signs for academic instructor and class identification, and miscellaneous graphic services as required. During this period, a total of 47,377 end items were fabricated.

The Devices Branch fabricated training devices at a high level of production and quality. New and/or modernized aircraft have generated requirements for devices for use in the academic department. Some of these devices have required exceptional skills in both the mechanical and electronic components used to simulate actual operations. Of particular note are the UH-60 VSI/HSI Trainer, UH-60 Warning, Caution, Advisory Panel Trainer, and the AH-15 Armament Trainer. During this period, 12,000 end items were fabricated.

The Photographic Branch 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 905,496 negative equivalents were fabricated.

The Supply Branch (Audiovisual Support) processed requests from all areas within the Fort Rucker geographic support area. These requesters were provided various pieces of audiovisual hardware with which to present their training message. This hardware included 16mm projectors, 35mm projectors, overhead projectors, opaque projectors, Beseler Cue-See projectors, audio tape cassette players, sound reinforcement equipment, and Sony television trainers. Software was also provided to requesters and consisted of 16mm films, cassette tapes, DA approved overhead transparencies, and paper "flip" charts. During this period, a total of 162,547 items were processed.

EDUCATIONAL TELEVISION DIVISION

MISSION:

Performs all steps, including development, production, and editing, required for production of educational television programs supporting instruction at the US Army Aviation Center, in Reserve Components, National Guard aviation units, and for the Department of the Army Audiovisual Production Program (DAAPP) Army-wide distribution schedule. Operates and maintains facilities for product distribution, through the on-post, closed-circuit cable playback system, and by the recording of tape duplicates employed where videocassette playback units were used. Advises the Director of Training Developments of appropriate and effective utilization of the television medium in the training design process based on the Instructional Systems Development (ISD) model.

ORGANIZATION:

The Educational Television Division is composed of two branches:

- Production Branch
- ETV Technical Operations Branch

ACCOMPLISHMENTS:

During 1979, the ETV Division completed production of 120 instructional television programs (tapes) with a total running time of 2,613 minutes. Of the 120 programs, 31 were produced for exportable training purposes.

The following examples reflect the diversity of program type and subject content in the ETV Division's 1979 program output. Programs completed as subject units for the TRADOC/FORSCOM NOE TV Course, a major Department of the Army Audiovisual Production Program (DAAPP) project, assigned to the ETV Division, were: Unit 6, Combat Intelligence, Part I and Unit 6, Combat Intelligence, Part II. Other DAAPP projects completed were: Night Vision Goggles: An Introduction to the AN/PVS-5 (Parts I - IV) and AN/APR-39 (VI) Signal Recognition and Discrimination (Parts I and II).

Two instructional television tapes were completed as TRADOC/USAAVNC contract items: An Introduction to Operation of the AN/TSQ-70A and Operation and Maintenance of the AN/TSQ-70A.

Two productions were completed as ETV contributions to a New Equipment Training (NET) Package exported to the US Army Europe. The NET productions were: XM-130, Chaff and Flare Dispersal System, Part 1; Introduction and XM-130, Chaff and Flare Dispersal System, Part II.

Ten productions were made in support of Army National Guard training. All were produced in the OH-58 ground training subject area. New programs with content reflecting updated technical information and subject matter were produced for use in the IERW primary phase of flight training. The new IERW productions were: TH-55A Traffic Patterns, Hanchey Army Heliport (TH-55A), TH-55A: Normal Takeoff and Maximum Power Takeoff, TH-55A: Normal and Standard Approach, and TH-55A Standard Autorotation.

In response to a report from the US Army Aeromedical Laboratory (USAARL), the ETV Division completed a television briefing/orientation tape on USAARL and its mission. The USAARL tape, USAARL Is..., was first shown at the 1979 annual meeting of the International Aerospace Medical Association. It is still being used by USAARL for briefing and orientation purposes. "P.O.W." (Parts I - III) was also completed by the ETV Division in 1979. "P.O.W." is a television interview with CW3 J.E. Nowicki, a former Vietnamese prisoner-of-war. In response to questions by CPT Edward L. Shuffelbarger, Mr. Nowicki describes his experiences as a prisoner. Because of extensive interest within the command, "P.O.W." was shown several times on the Fort Rucker closed-circuit cable television system.

"Fort Swampy Syndrome" was an unusual television tape produced in support of intelligence training by the 24th Infantry, Fort Stewart, GA. This project was completed to meet a TRADOC requirement directed to the ETV Division.

New state-of-the-art television equipment components were delivered and placed in service. Acquisition of the new components enabled the ETV Division to significantly improve video (picture) quality in all productions, while providing greatly increased creative flexibility. The new components included: two Ampex VPR-2 television tape recorders which provide broadcast quality video, slow motion, still frame, and other production options; 1 RCA TK-76 camera, incorporating studio-quality picture capability within an aircraft-portable package; and a new video production switcher designed to markedly increase the number of selection/switching possibilities and other production-enhancing techniques.

STAFF AND FACULTY DEVELOPMENT DIVISION

MISSION:

Develops policies and procedures relating to the operation of the Staff and Faculty Development Program. Conducts Staff and Faculty Development Program courses to include academic instructor and training manager training, supervisor training, programmed and self-paced training, instructional systems development (ISD), and related courses. Develops and conducts other POIs for specific training required in development of school staff and faculty training in counseling techniques and suitable academic training for instructor pilots.

ACCOMPLISHMENTS:

A new course of instruction on ISD was developed and implemented during the year. The course is designed to teach the ISD process to training developers assigned at Fort Rucker. It is a self-paced course of instruction that can be completed in an average time of 2 weeks. During 1979, 74 training developers completed this course.

The Instructor Training Course (ITC) has been totally revised using the ISD process. The newly developed course will be taught for the first time in January 1980. During 1979, 155 academic instructors graduated from the existing ITC.

The Student Counseling Course has been modified and improved during the year to add more practicum time and to include a block of instruction on communication skills. The course was conducted 10 times during 1979 and has been extremely well received by all who have attended.

A total of 45 senior and master instructor awards were presented to academic instructors during 1979. These awards have proven to be a valuable incentive toward upgrading the instructor cadre at the USAAVNC.

SFDD staff have served as consultants to other USAAVNC agencies during the year on several occasions and are currently assisting DTD and DT personnel in the development of a counseling block of instruction for the NCOES courses.

US ARMY AVIATION DIGEST

MISSION:

Coordinates with USAAVNC activities, Department of the Army (DA), other governmental agencies, civilian organizations, and individuals worldwide on matters concerning preparation of materials for publication. Researches, analyzes, writes, edits, and prepares composition dummies and layout format for the US Army Aviation Digest. Assembles completed material in specific order for submission to the contractor, in accordance with established schedules for printing and distribution. Monitors publication in behalf of The Adjutant General Office (TAGO) and Government Printing Office (GPO) to insure compliance with the printing contract.

ACCOMPLISHMENTS:

In February 1979, the Thomasson Printing Company, Carrollton, GA, had its contract for printing the Aviation Digest renewed for 1 year by the GPO. The April 1979 issue was the first under the new contract.

On 23 February 1979, the Department of the Army Adjutant General (DAAG) gave approval to the Aviation Digest to continue publishing. This is a biannual renewal in accordance with the requirements of AR 310-1.

During the past year, the Aviation Digest averaged 29,913 copies printed each month under pinpoint distribution handled at DA level. The highest number printed was 35,625 in July. Significantly, circulation jumped by 10,000 in the first 6 months of 1979. This coincides with expanded coverage of National Guard and Reserve units which began in January 1979.

The Aviation Digest introduced a new masthead in the October 1979 issue. It features a hawk instead of the winged horse Pegasus, which first appeared in the June 1965 issue. Pegasus replaced the Army aviator wings which had been introduced in the February 1957 issue. The first 12 issues published had just carried the words "Army Aviation Digest." The winged horse was introduced as a result of critiques by professors of journalism from Oklahoma State and Northwestern Universities. They recommended a masthead with more impact, emphasizing Army aviation and relating to the Army aviation mission. In 1965, the Aviation Center felt the warrior and the winged horse aptly portrayed the airmobile/air assault concepts of Army aviation in support of the ground forces. The change was made this year because all Army aviation personnel identify with the hawk, which is the symbol of the 1st Aviation Brigade. The winged horse was limited to the Cavalry/Armor lineage.

The certificates awarded monthly to authors and to winners of the Aviation Digest Writing Awards Contest were redesigned to incorporate the new masthead described above. Permission was received from DAAG to print the new certificates at the Army Field Printing Plant (DAAG-PAP), ltr, 15 June 1979.) This resulted in a much improved quality of printing.

The 1979 readership survey resulted in a 96-percent indorsement for the Aviation Digest from its readers. Only 4 percent did not like the Aviation Digest while 42 percent said it was helpful; 23 percent said it was interesting, and 31 percent said it was both helpful and interesting. About 90 percent of the spontaneous comments written on the survey rated the Aviation Digest "excellent."

Coverage during 1979 included all aspects of Army aviation. Significant highlights include:

A special issue, in July, on Army aviation at DA level. Feedback to the Aviation Digest reveals this issue is being extensively used for reference. Other special issues covered the Troop Support and Aviation Materiel Readiness Command (TSARCOM), in March, and the Army Communications Command, May.

The future force structure of Army aviation and a career progression plan for Army officers which were discussed by MG James Merryman, Aviation Center Commander, in "Air Cavalry Attack Brigade - Division 86's Aviation Brigade" in the November 1979 issue.

Comprehensive functional coverage of the AH-1S Modernized Cobra in an expanded October issue (48 to 68 pages). The Aviation Digest's previous three-part story on the AH-1S (1978) resulted in requests for thousands of reprints. The updated October issue is just as popular. The Aviation Digest has already received requests for about 500 reprints of the updated series.

A broadened Threat Section which is being well received. It won the last two monthly writing awards.

DIRECTORATE OF COMBAT DEVELOPMENTS

MISSION:

Serves as program manager for actions encompassed by the force development/combat developments process for which the Aviation Center is proponent, and insures necessary and effective interface, handoffs, and integration with school training developments, training and evaluation programs and other related actions. Routinely conducts validation of products and processes for which the Aviation Center is proponent. Conducts evaluations throughout the life cycle to insure design goals are achieved.

ORGANIZATION:

The Director of Combat Developments (DCD) consists of the following organizational elements:

- Program Management Office
- Test and Evaluation Division
- Concepts and Studies Division
- Organization Division
- Materiel Systems Development Division

PERSONNEL:

COL Clark A. Burnett assumed duties as Director on 9 July 1979 from COL Daniel B. Knight, Jr.

LTC George Coutoumanos assumed duties as Chief, Concepts and Studies Division, on 15 October 1979 from COL Robert A. Phillips.

LTC David L. Funk assumed duties as Chief, Materiel Systems Development Division, on 26 December 1979 from LTC Orous L. Ellis, Jr.

LTC Theo S. Epperson assumed duties as Chief, Organization Division, on 20 March 1978 from LTC Ronald S. Stebbins.

MAJ Ronald R. Benson assumed duties as Chief, Test and Evaluation Division, on 1 March 1979 from LTC Stanley Arnold.

Mrs. Katreen S. Vaughan was Chief, Program Management Office, the entire year.

Authorized strength is as follows: Officers 80; Enlisted 8; Civilians 50; Total 138.

TEST AND EVALUATION DIVISION

Prepared the following independent evaluation/concept evaluation reports:

- AN/TSW-7 Air Traffic Control Tower
- Nap-of-the-Earth Communications
- AN/ALQ-136 Radar Jammer
- AH-1S Fire Control/Weapons System

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

- Medium Lift Helicopter (CH-47)
- Heading Reference Set, AN/ASN-43
- AN-ALQ-156 Radar Missile Detector
- XM-130 Aircraft General Purpose Dispenser
- AN/ASN-128 Lightweight Doppler Navigation System
- AN/APR-39(V)2 Radar Warning Receiver
- AN/AVR-2 Laser Warning Receiver
- AH-1Q Flight Simulator
- 2.75" Lightweight Rocket Launcher
- UH-60A Synthetic Flight Training Simulator

UH-1 Helicopter High Performance Hoist
AH-1S Prototype Fire Control
Integrated Avionics Control System
XM-29 Protection Mask
Variable Density Night Vision Goggle Filter
Aviation Night Vision Imaging System
OH-58 Night Vision Goggles Compatibility

Provided input for tests conducted by other agencies:

AN/ALQ-162 Countermeasures System

Provided input for other Combat Developments actions:

Aviation Operations in an NBC Environment
Advanced Scout Helicopter Cost and Operational Effectiveness Analysis

CONCEPT AND STUDIES DIVISION

The National Security Industrial Association Symposium was held on 21-22 February 1979.

Proponent Studies:

The Army Aviation Personnel Requirements for Sustained Operations Study was completed. Final report will be published in January 1980.

The Fourth Study Advisory Group (SAG) meeting on the HELLFIRE Fire and Forget Cost and Operational Effectiveness Analysis was conducted on 28 November 1979. The final Executive SAG is scheduled for 9 January 1980.

The draft study plan for the Army Aircraft Avionics Study was distributed to all integrated agencies.

The Cost and Operational Effectiveness Analysis of the Advanced Scout Helicopter was completed.

The Division 86 Study Group developed an Air Cavalry Attack Brigade for the Heavy Division.

Prepared Air Cavalry Combat Brigade transition plan for total Army implementation as input to the 'Army Commanders' Conference in October-November 1979.

A task force to address Department of the Army Armed Helicopter Requirements for FY 81 budget hearings was created in October 1979. Final task force results are to be briefed to Department of Army in January 1980.

A staff study on the UH-60 in an Advanced Attack Helicopter Role was started in December 1979. Final report is to be briefed to Department of the Army in January 1980.

Provided Representative(s) for the Following Conferences/Work Groups:

Surveillance/Fusion Task Force Meeting
Division 86 Target Servicing Phase II Review
Third Meeting Helicopter Interservice Working Party
Division 86 Air/Ground Responsibilities Meeting
Division 86 Analysis Subgroup Meeting
Nuclear Meeting
Division 86 Air-Land Issues Conference
Target Servicing Task Force Meeting
Battlefield Identification Friend/Foe Conference
High Energy/Low Energy Laser Conference
Training Literature Workshop
Tactical Nuclear Employment Workshop
Korean Scenario Conference
SCORES Action Workshops

Crossbow-S Committee Meeting
Integration of Tactical Nuclear Requirements
On-Board Ammunition Handling Crane
Helicopter Cross Servicing Conference
23d Air Standardization Coordination Committee Meeting
Division Level Wargaming Meeting
Military Operations Research Symposium
Tactical Interface Concept Conference
20th Quadripartite Working Group for Army Aviation
Close Support Study Group II Meeting
Helicopter Noise Working Group
Fire Suppression Symposium
STAR Model Conference
Threat Manager's Conference
Intelligence/Threat Seminar
Air-to-Air Conference
Joint Counter Air-to-Air Defense Concept Meeting
C³ Airspace Management Meeting
Target Acquisition Battery Conference
Communications Support Requirements Review Panel
Forward Area Refueling Conference
STAR Battle Simulation Conference
LOGEX 80 Planning Conference
Soviet Tactics Seminar

Provided USAAVNC Input to the Following Actions Accomplished by other Agencies:

Stand-off Target Acquisition System
LOGEX-79
DEW-86
DOD Plan for Intelligence Support to Tactical Forces
Analysis of Technical Capabilities of Subsystem on HIND-D Aircraft

Hosted the Following Meetings/Briefings:

Aviation Concept of Employment
Republic of Korea Army Scenario
Army Aviation Employment on the Modern Battlefield
Advanced Non-Metallic Reaction Jet Helicopter
Division Instrumented Airfield
Global Positioning System Meeting
Threat to Advanced Scout Helicopter
Smoke Threat

ORGANIZATION DIVISION

A seminar to analyze the indirect support fixed wing requirements of the Army was hosted.

A conference to review the implementation of ARCSA III was held on 26 February-1 March 1979.

Developed, Revised or Reviewed the Following Proponent Tables of Organization and Equipment (TOE):

TOE 1-127, Corps Aviation Company
TOE 1-187H, Division Aviation Company
TOE 1-137, Army Aviation Company
TOE 1-66, Aviation Brigade Headquarters
TOE 1-500, Aviation Operating Teams

Provided Aviation Center Requirements for TOE and TDA Basis-of-Issue/Personnel for the Following:

Nap-of-the-Earth Communications
Night Vision Imaging System, Aviator and Goggle Evaluator, Portable
AH-1 Aircraft
CH-47 Aircraft
Aircraft Survivability Equipment
Aviation Ground Power Unit
Dispenser Ground Purpose, XM-130
Integrated Inertial Navigational System
HELLFIRE Fire and Forget Missile
Advanced Scout Helicopter

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

Nap-of-the-Earth Communications
Fire and Forget HELLFIRE Seeker
Helicopter Skis
Mast Mounted Sight System
Integrated Aircrew Helmet
Helicopter Oxygen System
Onboard, Oxygen Generating System
Aircrew Survival/Armor Recovery Vest
Survival Environmental Pocket
Aircraft Modular Survival System
Extended Range Fuel System
Multipurpose Lightweight Missile System
Airborne Target Handoff System
Integrated Inertial Navigation System
FLIR Augmented Cobra TOW System
Inflatable Body and Head Restraint System
12.7mm Body Armor

Monitored developmental effort on the following equipment:

Data Burst/Target Handoff System
UH-1 Helicopter Product Improvement Program
Smoke Screening 2.75" Rocket Warhead
AH-1S Modernization Program
Multipurpose Submunition 1.76" (70mm) Warhead
Nickel Cadmium Battery Charger/Analyzer
CH-47 Modernization Program
Illumination (70mm) Rocket Warhead
Advanced Attack Helicopter
PRC-112 Survival Radio
UH-60A Aircraft System
Advanced Scout Helicopter
Target Acquisition Designation System/Pilot's Night Vision System
Improved MK66 (70mm) Rocket Mortar
Dynamics Tracking and Balancing System
Night Vision Systems for Army Aircraft
Body Armor
Lightweight Doppler Navigation System
National Survivability Equipment
AN/APR-39(V)2 Radar Warning Receiver
ARC-186 Multi-band VHF-AM/FM Radio
Multi-band Manpack Radio
AN/AVR-2 Laser Warning Receiver
TOW Missile
Tactical Beacon System
AN/ALQ-136 Radar Jammer
XV-15 V/STOL Research Aircraft

Self-Propelled Crane, Aircraft Maintenance
XM-29 Protective Mask
Wire Strike Protection System
SINGARS-V
Mobile Electric Power Sources
Improved Lighting System for Army Aircraft
AN/APR(V)1 Kneeboard Training Device
Army Distance Measuring Equipment
Integrated Avionics Control System
NAVSTAR Global Positioning System
Tactical Radar Threat Generator
Flotation Kit-Army Helicopter, Aircrewman/Passenger

Provided representative(s) for the following meetings:

Tri-Service Aviation Life Support Meeting
Aviation Life Support Equipment Management Steering Council
Joint User JMEM Planning Conference
Tri-Service Survival Vest/Kit Conference
TENCAP Master Planning Training Meeting
Joint Working Group to Develop Test Measurement and Diagnostic Equipment
Study Advisory Group Meeting on Technical Interface Concepts
Aviation Refueling Information Conference
Scientific and Technical Intelligence Threat Seminar
Aircraft Self-Deployment Work Group
Chemical/Biological Heat Stress Problems Meeting
Topographic Digital Map Data Meeting
Tri-Service Display Workshop
Aircraft Survivability Maintenance Concept Meeting
Special Mission Tactics and Doctrine Meeting
Atmospheric Data Requirements Workshop
Model Improvements Conference
Crossbow-S Committee Meeting
Requirements Review Board Meeting
Worldwide Aviation Logistics Conference
Configuration Control Board Meeting
Worldwide Night Vision Logistics Conference
High Energy Laser Conference
Annual COMSEC Review

NOTE: Work performed by this organization is classified for the most part and cannot be discussed in an unclassified document.

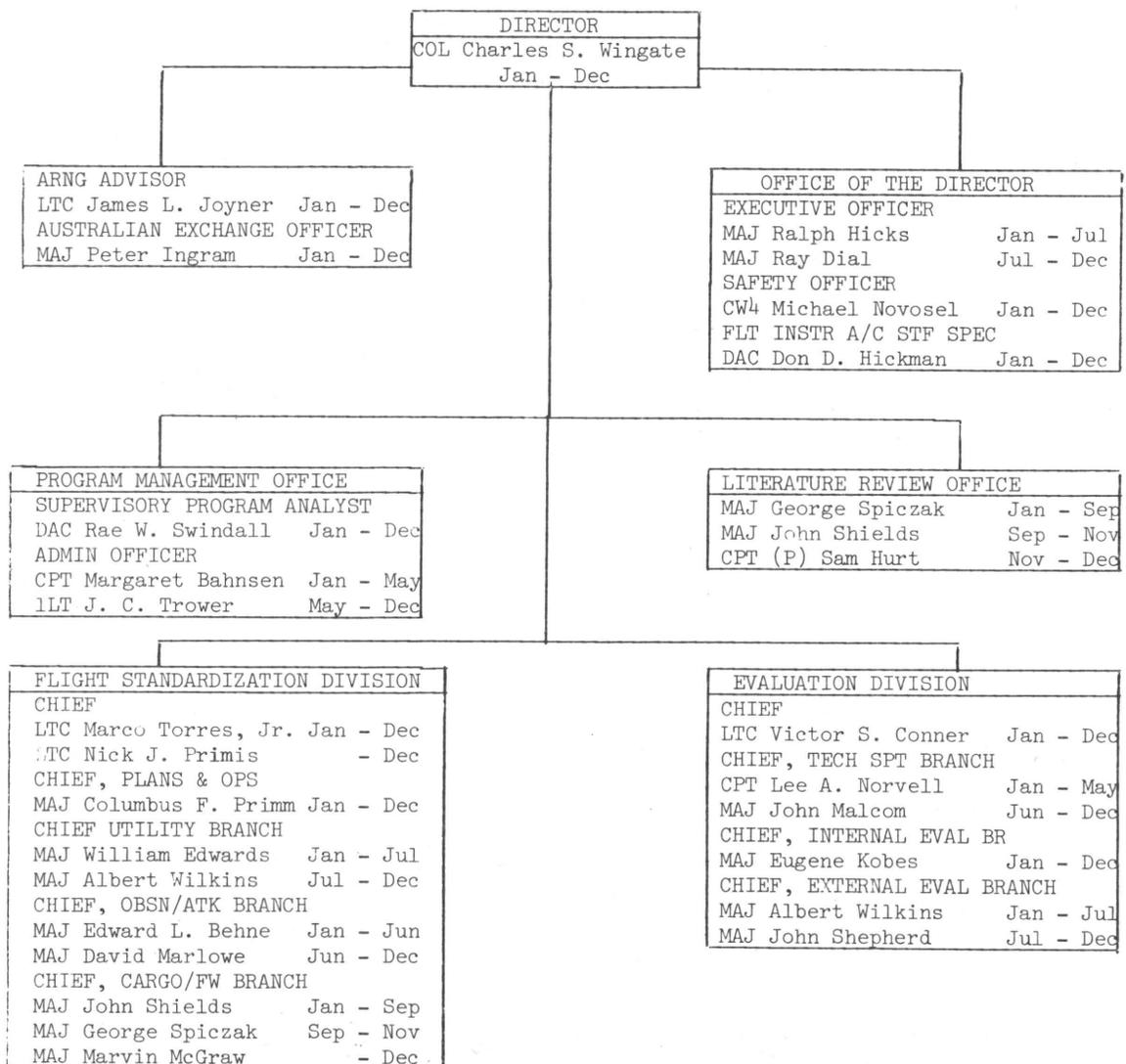
DIRECTORATE OF EVALUATION & STANDARDIZATION

MISSION:

Acts as executive agent for the Office of the Deputy Chief of Staff for Operations and Plans, Department of the Army, to monitor and evaluate Army-wide implementation of the Aviation Flight Standardization Program; collects and analyzes training effectiveness data as it relates to unit, resident and non-resident training programs, providing feedback to the training development and combat development process.

KEY PERSONNEL AND ORGANIZATION:

Year-end authorized strengths were 59 military personnel and 20 civilian personnel.



OFFICE OF THE DIRECTOR

MISSION:

The Office of the Director accomplishes its mission of managing the myriad of tasks associated with executing the Army-wide Flight Standardization Program and the TRADOC Instructional Systems Development (ISD) Evaluation Program with a staff consisting of an Executive Officer, Aviation Safety Officer, Flight Instructor/Aircraft Staff Specialist, and a Secretary/Stenographer.

Acts as executive agent for the Office of the Deputy Chief of Staff for Operations and Plans, Department of the Army, to monitor and evaluate the Army-wide implementation of the Aviation Flight Standardization Program.

Advises the Deputy Chief of Staff for Operations and Plans, Department of the Army; Commanding General, and Deputy Command General, USAAVNC; on the status of the United States Army Aviation Flight Standardization Program.

Serves as principal staff assistant to the Commanding General, United States Army Aviation Center, in implementing the TRADOC Instructional Systems Development Evaluation Program.

Conducts the Annual Army Aviation Policy Committee meeting for the Deputy Chief of Staff for Operations and Plans, Department of the Army.

Directs and supervises separate, independent evaluations of selected aviation training products, systems, and programs for which USAAVNC is proponent.

Provides aviation flight standardization and aviation-training evaluation subject-matter expertise to the USAAVNC Directorate of Training Developments, Directorate of Combat Developments, Directorate of Training, and the TRADOC System Managers.

Maintains liaison with the Army National Guard Bureau and Office of the Chief, Army Reserve, to coordinate National Guard and Army Reserve flight standardization needs. NOTE: Army National Guard Bureau assigned to DES a liaison officer on extended active duty to assist in this function.

Serves as Program Director for the Directorate of Evaluation and Standardization. Establishes administrative control of funds received as obligation/expense ceilings or other limitations imposed by regulation/statute IAW AR 37-20 and USAAVNC Regulation 37-11. Certifies funds availability for ceilings received.

Serves as a member of the Fort Rucker Installation Program Resource Advisory Committee (PRAC) and the Fort Rucker Installation Planning Board.

Participates with other USAAVNC staff activities in the establishment of policies, procedures, objectives, and organization of the United States Army Aviation Center.

Serves as president of the Fort Rucker Installation Aviation Flight Standardization Committee.

Serves as a member of the USAAVNC Executive Council.

Serves as USAAVNC Executive Coordinator for all Night Vision Goggle (NVG) actions. Insures that all on-going efforts and actions concerning proposed employment of NVG are compatible.

Coordinates activities of the Speakers' Bureau associated with the Huntington-Matthews Consent Decree.

The following missions are accomplished by the DES Safety Officer:

Maintains liaison with the US Army Safety Center (USASC) for the interchange of mishap data that is of an accident-prevention nature.

Prepares Standardization Communications (STACOM) items for publication in the USASC FLIGHTFAX and flight standardization items for publication in the AVIATION DIGEST REPORT TO THE FIELD.

The following missions are accomplished by the DES Flight Instructor/Aircraft Staff Specialist:

Serves as DA action officer for developing and coordinating revisions of AR 95-1.

Serves as Contracting Officer Representative (COR) for training programs conducted by contractors at sites other than Fort Rucker. Coordinates actions with DTD, DT, and DIO.

Serves as point of contact for the Army Synthetic Flight Training System (SFTS) program as pertains to flight standardization.

Serves as Secretary for the Fort Rucker Installation Aviation Flight Standardization Committee.

Maintains liaison with the Federal Aviation Administration (FAA) Southeastern Regional representative.

ACCOMPLISHMENTS:

Managed the C-12 Flight Simulator Contract conducted by Flight Safety International (St. Louis, MO) where 77 aviators received qualification training and 37 aviators received refresher training.

Reviewed, rewrote, and forwarded AR 95-1 to the Office of the Deputy Chief of Staff for Operations and Plans, Department of the Army, for staffing and publication.

Conducted an Army-wide review of Aircrew Training Manuals (ATM) in preparation for DA-directed ATM In-Progress Review (IPR).

Conducted an analysis of instructor pilot accidents that occurred during the period 1974-1978 to determine accident trends and identify training deficiencies.

Published 15 STACOMs in the US Army Safety Center's FLIGHTFAX.

Published twelve articles for "DES REPORT TO THE WORLD" in AVIATION DIGEST.

Published four major articles in AVIATION DIGEST.

Assisted TSARCOM in the development and fielding of a Night Vision Goggle (NVG) compatibility MWO for the UH-1H and OH-58A. TSARCOM will publish the OH-58A MWO during the 2d quarter FY 80.

Conducted field tests for the Night Vision and Electro Optics Lab (NV & EOL) of first and second generation NVG intensifier tube GO-NO-GO testers in Europe, Alaska, Korea, Fort Lewis, and Fort Hood.

Served as executive officer for a team of TRADOC Assistant Commandants who observed the US Army's REFORGER 79 exercise in Germany. Wrote two after-action reports for the DCG, TRADOC.

Conducted the Army Aviation Policy Committee meeting for DA DCSOPS, 4-6 Dec 79. Forty-seven issues were forwarded by MACOMs for consideration by the committee.

NOTE: Other creditable accomplishments are listed individually under the division/branch or office that completed them.

SIGNIFICANT PROBLEMS/SHORTFALLS NOTED DURING THE YEAR ARE:

NVG IP training: Night vision goggle training in field units is having considerable difficulty in getting off the ground because of the lack of NVG qualified IPs. TRADOC has not resourced the USAAVNC NVG IP course. With the exception of 35 FORSCOM and two USAREUR IPs that were trained at MACOM expense, the only way that the field can get an NVG IP is through rotation of USAAVNC NVG IPs.

Reserve Components (RC) Training Support: Assistance visits to RC aviation facilities/units reveal a significant problem regarding training support for aircraft systems (CH-54, U-8F, OH-6, U-3) no longer supported by resident training at USAAVNC. This problem is especially critical in the area of training new IP "trainers." RC units have limited capability to train replacement IPs.

PROGRAM MANAGEMENT OFFICE

MISSION:

The Program Management Office, with a staff of seven personnel, accomplishes its management and administrative mission through the judicious utilization of the directorate's resources.

Serves as resources manager for the directorate.

Manages directorate resources, including manpower, funds, and materiel.

Develops program and budget submissions, formal review data, financial management reports, and maintains funds control.

Develops manpower requirements and organizational structures in support of assigned mission.

Develops and maintains directorate's portion of the TRADOC and Combined Arms Center, Management Information System (TRAMIS/CACMIS).

Provides administrative and supply services.

Controls supply, equipment, and space utilization for the directorate.

Advises the director on personnel and manpower matters and coordinates all military and civilian personnel actions.

Formulates policies and procedures related to administrative functions.

Provides record management services and maintains a library of appropriate Army regulations, technical manuals and other pertinent publications.

Serves as security control manager and custodian of classified files.

Insures that information and policies pertaining to fire, safety, race relations, and equal opportunity are instituted.

ACCOMPLISHMENTS:

The directorate started the year with a personnel authorization of 21 officers, 27 warrant officers, 11 enlisted, and 23 Department of the Army civilians, for a total of 82 personnel. The directorate ended the year with a personnel authorization of 23 officers, 31 warrant officers, 5 enlisted, and 20 Department of the Army civilians, for a total of 79 personnel. During the year, the directorate maintained an average assigned strength of 81 personnel with a 34% personnel turnover rate. Two summer aides and one temporary hire authorization were added on 1 October 1979. The temporary hire space was filled immediately.

84.2 man-years (6.2 resulting from overtime required to accomplish the Army-wide Flight Standardization Evaluation/Assistance mission) were expended in the accomplishment of the directorate's mission.

\$1,078.5K annual funding program dollars were expended to accomplish the directorate's mission.

\$547.5K were expended in the evaluation of undergraduate aviator training.

\$329.5K were expended in providing advanced/graduate flight training for the C-12 ground and flight simulator training provided by contract with Flight Safety International, St. Louis, Missouri.

\$201.5K were expended in the Army-wide aviation flight standardization evaluation assistance program.

During the year, personnel from this directorate participated in individual training programs as follows:

Two to "Analysis Package" seminars.
Four to "Presenting Data in Graphs, Charts, and Tables" course.
One to "Proofreading" course.
One to "Federal Travel Regulations" course.
One to an "Evaluating a Contractor's Performance" course.
Two to "Techniques for Analysis" course.
Three to a "Seminar for Executive Secretaries" course.
Two to "Understanding and Managing Human Behavior" course.
One to a "Statistical Sampling in Government Operations" course.
One to a "Creative Problem Solving" course.
One to a "Management Introduction to Automatic Data Processing" course.

LITERATURE REVIEW OFFICE

MISSION:

The Literature Review Office, with a staff of four personnel, accomplishes its mission of insuring all Army aviation related literature reviewed is technically accurate and as standardized as possible.

Represents field units (the user) during the research, coordination, review, revision, and preparation of recommended changes to and development of new Army aircraft operators manuals and crewmember checklists.

Reviews TRADOC and USAAVNC proponent publications and other literature to insure correct incorporation of aviation flight standardization training principles, and procedures.

Reviews, prepares, and consolidates comments and recommendations for the directorate and assists in providing a consolidated directorate position verifying both format and content of all inquiries relating to aviation publications.

Coordinating agency for all NVG actions for the director.

Reviews and evaluates training literature (pertaining to flight or flight-related academic instructions) for technical accuracy, content, and standardization; and make recommendations to originating agency prior to implementation.

Reviews and evaluates for technical accuracy, content, and standardization, field manuals, training manuals (ATM) and other training documents and audiovisual material.

Reviews and evaluates for technical accuracy, content, and standardization, aviation-related articles submitted for publication in AVIATION DIGEST.

ACCOMPLISHMENTS:

Coordinated the revision and signing of the Joint Operating Agreement (JOA) between TSARCOM and USAAVNC which outlines responsibility for the preparation and coordination of Army aircraft operators manuals (-10) and crewmember checklists (-CL).

Participated in 18 trips to the field and to TSARCOM in support of the TSARCOM USAAVNC JOA for -10 and -CL.

Reviewed over 350 DA Forms 2028 which recommended change to -10 and -10CL.

Received, staffed, and reviewed over 400 items of training literature to include ATMs, FMs, ARTEPs, POIs, and flight training supplements.

Represented the directorate at the annual EURO NATO Aviation Training Conference in Oslo, Norway.

Monitored and coordinated numerous NVG actions to include the development of the UH-1D/H and OH-58A NVG cockpit compatibility MWO.

FLIGHT STANDARDIZATION DIVISION

MISSION:

The Flight Standardization Division, with a Plans and Operations Branch of six personnel; a Utility Aircraft Systems Branch of sixteen personnel; a Cargo/Fixed Wing Aircraft Systems Branch of eight personnel; and an Aeroscout/Attack Aircraft Systems Branch of twelve personnel; accomplishes its mission through the application of dedication of purpose, professionalism, and personal sacrifice.

Utilizing the subject-matter expertise of the Standardization Instructor Pilots (SIPs) from the Utility Branch, Observation/Attack Branch and Cargo/Fixed Wing Branch, executes the Army-wide Flight Standardization Program.

Utilizing the subject-matter expertise of the SIPs from the Utility Branch, Observation/Attack Branch and the Cargo/Fixed Wing Branch, executes the United States Army Aviation Center Flight Quality Control Program.

Recommends general policy guidance to the Director for the Army Flight Standardization Program.

Provides flight standardization subject-matter expertise to Directorate of Training, Directorate of Training Developments, Directorate of Combat Developments, TRADOC Systems Managers and other appropriate activities at USAAVNC in preparation and review of doctrinal, organization, and other related actions.

The following missions are accomplished by the Flight Standardization Division:

Coordinates and maintains liaison with HQDA DCSOPS, National Guard Bureau (NGB); Office of the Chief, Army Reserve (OCAR); and major commands (MACOMs) on all matters pertaining to the Army Aviation Flight Standardization Program and scheduled flight standardization evaluation/assistance field visits.

Serves as the planning office for mobilization and contingency mission planning requirements for DES.

Monitors status of directorate travel funds in conjunction with quarterly ceilings provided by the Program Management Office.

Serves as point of contact (POC) for Mobile Training Team assistance requested by Directorate of Training.

Develops and coordinates the worldwide flight standardization evaluation/assistance visits schedule.

Maintains current USAAVNC Instructor Pilot (IP/IFE) course examinations on file for administration of IP/IFE equivalency evaluations.

Schedules, in coordination with DT, all USAAVNC support requirements for standardization evaluation flights.

Manages the DES Aircrew Training manual (ATM) Program; schedules and coordinates aircraft and Synthetic Flight Trainer System (SFTS) requirements with Directorate of Training to support DES aviator flying requirements.

Maintains liaison with Directorate of Training, Directorate of Training Developments, Directorate of Combat Developments, 1st Aviation Brigade, TRADOC Systems Managers, and US Army Aviation Board on training related matters.

Conducts Annual Flight Standardization Evaluations for all SIPs assigned to USAAVNC.

Conducts 100% end-of-course flight evaluations for all HQDA and USAAVNC IP-producing courses, to include the Instrument Flight Examiner Course.

Conducts pilot/IP/SIP equivalency flight evaluations Army-wide.

Conducts flight evaluations of approximately 10% of the annual USAAVNC student load.

Conducts flight evaluations of students who have been recommended for their second military progress flight in any phase/stage of training.

Conducts all USAAVNC post-accident flight evaluations.

Provides technical assistance during the test and evaluation of proposed or established flight training maneuvers.

Conducts evaluation/assistance of flight standardization programs Army-wide.

Reviews aviation literature for technical accuracy.

Conducts in-house pilot/IP/SIP qualification training.

Conducts field evaluations of type-classified SFTS.

Participates in the conduct of aviation unit Army Training and Evaluation programs (ARTEPs) to develop/obtain feedback data for USAAVNC proponent ARTEPs.

ACCOMPLISHMENTS:

Evaluated, in concert with TRADOC Aviation Resource Management Surveys (ARMS) visits, 16 TRADOC installation Flight Standardization Programs.

Evaluated, in concert with FORSCOM ARMS visits, 21 FORSCOM installation Flight Standardization Programs. (Includes Panama and Alaska).

Evaluated, in concept with DARCOM ARMS visits, 10 DARCOM installation flight Standardization Programs.

Evaluated the Flight Standardization Programs in US Army Europe, Eighth Army, US Army Japan, and US Army LANDSOUTHEAST.

Evaluated, in concert with CONUSA's (First, Fifth, and Sixth Army) ARMS visits, 96 Reserve Component aviation facility/activity/unit Flight Standardization Programs.

Conducted 851 flight evaluations of aviators in field units.

Conducted 799 IP/IFE end-of-course evaluations and 479 quality-control (10%) evaluations of aviators in formal courses of instruction at USAAVNC.

Provided subject-matter expertise for the review of over 400 DA Forms 2028 relating to aircraft operators manuals and crewmember checklists.

Assisted in conduct of seven Instructor Pilot/Standardization Instructor Pilot seminars for the Reserve Components in Cheyenne, WY - (Mar 79); Whiteman AFB, MO - (Apr 79); Trenton, NJ - (May 79); Decatur, IL - (Jun 79); Symrna, TN - (Jun 79); Otis AFB, MA - (Aug 79); and Salem, OR - (Sep 79).

Assisted in the conduct of the Army Aviation Policy Committee Meeting for DA DCSOPS, 4-6 Dec 79.

EVALUATION DIVISION

MISSION:

The Evaluation Division accomplished its mission with a significant shortfall of assigned versus authorized personnel. Consisting of three branches, the Division's Technical Support Branch, with three personnel assigned of four authorized; the Internal Evaluation Branch with three personnel assigned of six authorized; pursued their duties for the first three quarters of the year, expending much effort, and personal sacrifice to remain current with the workload. The addition of four officer personnel during the last quarter has significantly impacted on the capability of the Division.

Implements and conducts the USAAVNC Evaluation Program in accordance with the Instructional Systems Development Model and USAAVNC Reg 350-7.

Conducts internal evaluations of USAAVNC proponent courses whenever data indicates the necessity, or when directed. Commanders' comments from the field, field visits, trip reports, field interviews, resources available, MOS criticality and density, are indicators used to determine the need for an internal evaluation.

Gathers, tabulates, and analyzes data gained from field team visits, field interviews, SQT, ARTEP, other directorates, in course tests, attrition rates, post-graduate surveys, in-course critiques, trip reports, and other sources of data regarding student performance and achievement in the field.

ACCOMPLISHMENTS:

The evaluation of the 175/40 IERW course was completed and the final report published and distributed to major commands and TRADOC schools in May 1979. The report presented a comparative evaluation of the currently conducted IERW program and the program that immediately preceded it (the 180/20 program). The two programs were examined in terms of their efficiency and effectiveness in meeting the needs of Army aviation units in the field. Data were gathered on graduates of both programs in the field units and at USAAVNC. Major conclusions were:

The 175/40 IERW course is accomplishing its objective;

The 175/40 course is an improvement over the 180/20 course;

Proficiency progression and individualized training can play an effective role in IERW training.

A survey was conducted to support a DA-directed review of the 2d draft Aircrew Training Manual (ATM). This effort was initiated in April to identify problems with the document. Active and Reserve Component aviation units were administered questionnaires and the information developed was condensed for the in-process review. One thousand questionnaires were sent or administered through on-site visits to aviators in the field. Sites visited included, major FORSCOM installations, USAREUR and Korea. Questionnaires were mailed to Alaska, Panama, and Reserve Component units. Significant problem areas identified were:

Record-keeping procedures.

Flying-hour requirements.

Unit-readiness reporting.

Maintenance officer/test pilot task requirements.

A graduate and commander questionnaire program for Initial Entry Rotary Wing (IERW), Flight Operation Specialists (71P), Air Traffic Control Tower Operator (93H), and Radar Controller (93J), was designed and implemented during last quarter 1979. The DA MILPERCEN approved program allows USAAVNC graduates and their commanders to critique the adequacy of training received at USAAVNC after the graduate has been in a unit for approximately five months. Twenty-five percent of each IERW class and fifty percent of each enlisted class are sent questionnaires; the rate of

return to date is approximately seventy percent. Quarterly analysis of feedback data should result in identification of potential training deficiencies which will be further investigated during external field visits. Confirmed deficiencies are considered for comprehensive internal evaluation or disseminated to the appropriate directorates. The first quarterly analysis will be completed in March 80.

The CG, TRADOC, directed that each TRADOC center establish and implement a Branch Training Team Program in 3rd quarter 1979. By design, the team was to be comprised of 3-5 personnel from the Directorates of Training, Training Developments, Combat Developments, and Evaluation and Standardization. On 28 Dec 79, the CG, USAAVNC, approved the Aviation Center's Branch Team concept, retitling the program the "Aviation Center Training Analysis and Assistance Team" (ACTAAT). The mission of ACTAAT is generally twofold: first, to visit aviation and air traffic control units in the field and offer assistance to commanders and personnel in applying TRADOC training products and the Army's modernized training strategies. Second, team members will collect feedback data which may have application in improving training and training products at the Aviation Center and other TRADOC institutions. The TRADOC trial period for ACTAAT extends from 1 Jan 80 to 1 May 80, during which, visits will be made to aviation units at Fort Campbell, Kentucky, and Fort Hood, Texas.

An evaluation of Air Traffic Control Courses, ATC Operator 93H10 and ATC Radar Controller 93J10, was completed August 1979. Conduct of the evaluation was accomplished in two parts.

The internal phase investigated all the stages of training development for both programs of instruction as well as the conduct of training. The external phase followed the students to the job and evaluated their performance. Information to support the evaluation was collected internally and externally by personal interview and by survey instruments including questionnaires and opinion inventories. Major findings of the evaluation were:

- Course development for both programs of instruction was very good.

- A majority of the students were satisfactorily achieving course objectives.

- A majority of students like the self-paced training environment.

Commanders and supervisors evaluation of graduates' on-the-job performance indicates training is satisfactory.

Areas considered appropriate for course development were also recorded in the final report.

An evaluation of the Aviation Warrant Officer Advanced Course commenced in July 1979, and an evaluation of the Staff and Faculty Development Division Training Program at USAAVNC began in Nov 79.

An evaluation of weight and balance instruction in flight courses was directed by the DCG, USAAVNC. An increasing number of accidents were apparently being caused by lack of an improper weight-and-balance computation. Tests were administered to IERW Course, Refresher Course, and IP Course students. As a result, it was determined that additional weight and balance instruction needed to be added to all courses of instruction to improve aviator's awareness and competence.

Other significant activities include:

- Researching a universal fixed wing performance planning card, and providing a proposal to DTD for publication in the ATM and TSARCOM for publication in the -10.

- Commencing of an evaluation on a change to the flow of instruction in the instrument phase of IERW.

- Publishing USAAVNC Regulation 350-7, USAAVNC Training Effectiveness Evaluation Plan, outlining responsibilities for evaluation and continuing improvement of training.

US ARMY AVIATION BOARD

MISSION:

Plans, conducts, and reports on Operational Test I, Operational Test II, Operational Test III, and other user type tests of aviation materiel.

Participates in Development Test I, Development Test II (Engineering Phase), and Development Test III as directed.

Provides advice and guidance on test and evaluation matters to materiel developers, materiel producers, other services, and private industry.

Participates in flying development test mission profiles to support collocation of testing organizations.

Conducts other tests and evaluations as directed by Commanding General, TRADOC.

ORGANIZATION:

The US Army Aviation Board (USAAVNBD) consists of the President's Office, Headquarters Company, and six primary operating divisions:

- Administrative Support Division
- Test Concept and Operations Division
- Electronic Systems Test Division
- Resource Management Division
- Aircraft Systems Test Division
- Major Systems Test Division

PERSONNEL:

Year-end authorized personnel strengths were 115 military and civilian personnel. Key personnel assigned during the year were:

<u>Position</u>	<u>Personnel</u>	<u>Dates</u>
President	COL Robert A. Bonifacio	Jan - Dec
Technical Advisor	Mr. George Slagley	Jan - Dec
Sergeant Major	SGM Jack W. Lisenby	Jan - Dec
Executive Officer	LTC Edward L. Burkhalter	Jan - Dec
C, Admin Spt Div	LTC Conrad Chesser LTC Robert J. Joles	Jan - Sep Sep - Dec
C, TC&O Div	LTC David H. Fournier	Jan - Dec
Cdr, HQ Co	CPT John D. Bridgers	Jan - Dec
1SG, HQ Co	1SG Franklin D. Griffin	Jan - Dec
C, Elct Sys Test Div	LTC Robert D. Price	Jan - Dec
C, Resource Mgt Div	Mr. Bobby D. Tindell	Jan - Dec
C, Acft Sys Test Div	LTC Hugh Rhodes	Jan - Dec
C, Maj Sys Test Div	LTC Reginald A. Neuwien	Jan - Dec

ACCOMPLISHMENTS:

During 1979, the USAAVNBD completed the following 12 operational tests and participated in the planning, testing, and reporting phases on 33 programed tests:

Small Portable Analyzer Diagnostic Equipment (SPADE)
TRADOC TRMS NO: FO194; ACN 26311
Force Development Testing and Experimentation (FDTE), Small Portable
Analyzer Diagnostic Equipment (SPADE)
START: 1 Nov 78; END: 25 Jan 79

The purpose of this FDTE was to evaluate the capabilities of the Small Portable Analyzer Diagnostic Equipment to determine its operational and reliability, availability, maintainability (RAM) characteristics and mission effectiveness. The FDTE was conducted at Fort Hood, TX, using five UH-1 and five AH-1 helicopters from the 6th Air Cavalry Combat Brigade (ACCB). Components tested for degraded bearings were 90° gearbox, 42° gearbox, main transmission, and hanger assemblies. Test report was forwarded 2 April 1979.

Air Traffic Control Tower, AN/TSW-7A
TRADOC TRMS NO: 800TN385; ACN: 23451
Operational Test IIA, Air Traffic Control Tower, AN/TSW-7A
START: 4 Oct 78; END: 5 Feb 79

The purpose of this operational test was to assess the military utility, operational suitability, and effectiveness of the improved AN/TSW-7A Air Traffic Control Tower. Test results will be used to determine if the equipment, when deployed within division or higher Army elements, will provide improved visual air traffic control (ATC) services for both day and night operation; if the equipment now meets the essential operational characteristics of the Department of the Army (DA) approved materiel need (MN); and if the deficiencies and shortcomings that were found in the Operational Test II of the AN/TSW-7A have been corrected. Test end date was slipped three weeks in November - December while local phone systems were installed in the tower. During the test execution phase, the AN/TSW-7 was operated at Ech, Skelly, and Wolfpit Stagefields during day and night operation. The tower was slingloaded by CH-47 helicopter on 17 January into Wolfpit training site. The tower and pallet modules have been returned to RCA for refurbishment. Test report was forwarded 9 May 79.

AN/APR-39(V)1 Radar Warning Receiver, CH-47
TRADOC TRMS NO: 7-OTN263; ACN: 23467
Follow-On Evaluation (FOE), AN/APR-39(V)1 Radar Warning Receiver
of CH-47 Helicopter
START: 1 Feb 79; END: 5 Mar 79

The purpose of this test was to assess the operational suitability and effectiveness of the AN/APR-39(V)1 Radar Warning Receiver when installed on the CH-47C helicopter. Data acquired will be used to evaluate the AN/APR-39(V)1 reliability in the CH-47C and timeliness of warning of radar-directed threat systems to the CH-47C helicopter crew when employed in an operational environment. Addendum report was submitted 22 Aug 79.

Radar Jammer, AN/ALQ-136
TRADOC TRMS NO: 9-OTN391; ACN: 25708
Operational Test II (OT II), AN/ALQ-136 Radar Jammer (XE-2)
START: 9 Nov 79; END: 13 May 79

The purpose of this test was to assess the operational suitability and effectiveness of the AN/ALQ-136 Radar Jammer to provide effective countermeasures against threat radars when installed on Army aircraft in an operational environment. Actual flight testing of the AN/ALQ-136 (XE-2) began 9 Nov 78 when the operational test readiness statement (OTRS) was received. This testing was conducted at Fort Bliss, TX, and continued until 29 Nov 78. Aviation Board test personnel were supported by the Air Defense Board while at Fort Bliss. Additional effectiveness flight tests were conducted in Nevada, 1 - 8 Mar 79. RAM flights continued in the vicinity of Fort Rucker until an accumulation of 280 flight-hours had been attained. The test report was submitted 10 Aug 79.

Analog Training Computer (ATC) 112H Helicopter Instrument Procedures
Flight Simulator

TRADOC TRMS NO: 9-CEP 067
Concept Evaluation Plan (CEP)
START: 7 Jun 79; END: 11 Aug 79

The purpose of this evaluation was to evaluate the training potential of the 112H Procedures Flight Simulator as an instrument procedures trainer for rotary-wing pilots in the US Army Active and Reserve Component aviation units. Test equipment remained at test sites. Letter report was submitted 25 Oct 79.

XM-29 and XM-29 Variable Thickness Lens (VTL) Protective Mask

TRADOC TRMS NO: 9100034
Preliminary Assessment of the XM-29 and XM-29 Variable Thickness Lens
Protective Masks
START: 25 Jun 79; END: 28 Aug 79

The purpose of this assessment was to evaluate the variable thickness lens (VTL) XM-29 Protective Mask as a corrective measure for previously reported judgment errors in depth perception of Army aviators wearing the XM-29 Protective Mask. USAAVNBD test directorate conducted in-flight evaluations at Fort Campbell, KY. Test report was submitted 10 Oct 79.

J-CATCH, Phase III

TRADOC TRMS NO: 8-F0167; ACN: 40105
High Performance Aircraft versus Threat Helicopter Force

J-CATCH, Phase III, commenced 7 Jan 79 and was completed 2 Feb 79 at Hurlbert Field, FL. This phase was a Joint Army/Air Force Tactics Development and Evaluation (TD&E) designed to evaluate the effectiveness of US Air Force (USAF) tactical fixed-wing aircraft encountering a threat helicopter force. Of particular importance was completion of the air-to-air phases of J-CATCH. Good insights were gained in tactics and techniques, training, effectiveness of existing weapons systems, and the increased effectiveness when working with Air Force tactical aircraft. One result of these phases was the requirement for the scout to be armed with a self-defense, air-to-air weapon system. Results supported the development of the multipurpose lightweight missile system. On 5 Feb 79, a preliminary report on Phase II, J-CATCH entitled, "Quick Look Report, J-CATCH, Phase III (U)," was forwarded for coordination to Tactical Flight Weapons Center (TFWC) and the Aviation Board. This report is classified SECRET.

J-CATCH, Phase IV

TRADOC TRMS NO: 9-F0167; ACN: 46832
Attack Helicopter/Tactical Air-versus-Threat Helicopter

J-Catch, Phase IV, commenced on 12 Feb 79 and was completed on 2 Mar 79 at Hurlbert Field, FL. The purpose of this test was to develop joint tactics for Attack Helicopter/Tactical Air to defeat the Threat Helicopter Force. This phase was a Joint Army/Air Force Tactics Development and Evaluation (TD&E). J-Catch has accomplished its stated objective through Phase IV. However, Phases V and VI are needed to evaluate the full dynamic effects of the threat helicopter on the battlefield.

United Kingdom Protective Mask

TRADOC TRMS NO: 9-CEP 054; ACN: 56050
Concept Evaluation of United Kingdom Aircrew Nuclear/Biological/Chemical
Defense Assembly
START: 4 Jun 79; END: 28 Aug 79

The purpose of this test was to evaluate the feasibility of using the United Kingdom Mask in an Army aviation environment. USAAVNBD test directorate conducted in-flight evaluations at Ft. Rucker, AL, and Ft. Campbell, KY. Test report was submitted 18 Dec 79.

High Performance Utility Helicopter Hoist, OT II

TRADOC TRMS NO: 8-OTN471; ACN: 37053

Operational Test II (OT II), High Performance Utility Helicopter Hoist
START: 15 May 79; END: 10 Oct 79

The purpose of this test was to evaluate the ability of the High Performance Utility Helicopter Hoist to fulfill medical air rescue needs as identified by The Surgeon General. The test evaluated operational hoist suitability for production and fielding by subjecting it to the operational environment of the user, maintainer, and operator. The test was suspended 8 Jun 79 because the hoist cable and two replacement cables had broken wires. USAAVNBD testing was resumed 18 Sep 79 after receipt of new cables manufactured under a different process. The hoist was inoperative at test completion. Repairs will be accomplished by the manufacturer. Test report was submitted 14 Dec 79.

AH1FS Flight and Weapons Simulator

TRADOC TRMS NO: 9-OTN139; ACN: 24446

Operational Test II (OT II), AH-1 Synthetic Flight Training System
and Weapons Simulator (2B33)
START: 2 Apr 79; END: 31 Aug 79

The purpose of this test was to determine the operational suitability and effectiveness of the AH-1 Flight Simulator (AH1FS) to transfer training from the simulator environment to the operational aircraft. In addition, the simulator instructor/operator station (IOS) was evaluated to determine its effectiveness to provide sufficient information to the instructor/operator to support the students being trained. Initial AH-1 qualification training, instructor pilot training, gunnery training, and combat readiness proficiency training were addressed during testing. Test report is due 11 Jan 80.

UH-60A (BLACK HAWK) IOC FDTE

TRADOC TRMS NO: 9-FO092; ACN: 10705

UH-60A Initial Operational Capability Force Development Test and Experimentation
START: 4 Jun 79; END: 15 Oct 79

The purpose of this test was to assess operational effectiveness in terms of reliability, availability, maintainability (RAM), supportability, deployability, and other integral systems. The IOC FDTE was suspended 22 Jun 79 when all Black Hawk aircraft were grounded due to primary servo failure. IOC FDTE resumed 20 Aug 79. Test report is due 15 Jan 80.

HIGHLIGHTS:

Squadron Leader Jones, Australian Liaison Officer; LTC Everett-Heath, British Liaison Officer; and MAJ Hall, Canadian Liaison Officer to Fort Rucker, visited the Aviation Board on 5 Feb 79 and were briefed on J-CATCH (unclassified) by the Board President.

LTC Roeper, German Army Liaison Officer, visited the Aviation Board on 7 Feb 79 and was briefed on J-CATCH (unclassified) by the Board President.

LTC Schwend, Aviation Research and Development Command (AVRADCOM), St. Louis, MO, visited the Aviation Board on 7 Feb 79 and received the Board briefing.

BG Therriault, Canadian Forces Attaché, plus four, visited the Aviation Board on 15 Feb 79 and received the standard Board briefing and J-CATCH (unclassified) by the Board President.

COL Bonifacio and MAJ Brittingham were TDY to USACAC, Ft Leavenworth, KS, 22 - 23 Feb 79, to brief LTG Thurman, MG Mahaffey, and MG Todd (TCATA) on Army Aviation Instrumented Range (AAIR).

COL F. W. Watke, Cdr, 101st Aviation Group, Ft. Campbell, KY, visited the Aviation Board on 27 Feb 79 for an office visit with the Board President.

LTC Rhodes attended DCDR's REFORGER trip briefing, 22 Feb 79.

LTC Argue, Director, Canadian Land Aviation, and party, visited the Board on 5 Mar 79 and received J-CATCH briefing.

Dr. Haskell and Mr. Finitree, BRL, visited the Board on 13 Mar 79 for briefing and discussion on J-CATCH.

COL Tow, HQ, US Army Materiel Development and Readiness Command (DARCOM), visited the Board on 14 Mar 79 for discussion on J-CATCH, AN/APR-39, AH-1 Fire Control, and the ALQ-136 Radar Jammer.

LTC Fredrick T. Zeggil, Cdr, Helicopter Operational Training Squadron, Canadian Forces, plus party of 20, visited the Board on 21 Mar 79 and received J-CATCH briefing.

COL Bonifacio was TDY to Freehold, NJ, 21 - 22 Mar 79, to attend and present briefing to AAAAA Symposium.

BG Patterson visited the Board on 23 Mar 79 for an update on Board activities. On 27 Mar 79, he received J-CATCH update briefing and was the introductory speaker at the OH-58C FOE IPR.

An update and Phase IV J-CATCH briefing was given to Aviation Center Directorates to include TSM-A, TSM-S, TSM-H, and Cdr, 1st Avn Bde.

AH-1FS briefing was presented to MG George Patton, Jr., DARCOM, 7 Mar 79.

Mr. Fish of the Office of Management and Budget, Office of the Secretary of Defense, was given the AH1FS briefing on 8 Mar 79.

Black Hawk Mission Flexibility Kit Conference was hosted by the USAAVNBD on 21 - 22 Mar 79. Purpose of the conference was to establish an overall proponent and to task co-proponents for issues on which to operationally test the eight kits. Overall proponent was established as the US Army Infantry Center. USATSCH had the Air Transportability Kit; Academy of Health Sciences had MEDEVAC, Hoist Adapter, and Blackout Kits; USAAVNC had Winterization, IR Suppressor, Deicer, and Range Extension Kits for issues.

MAJ Dickens attended UH-60A ground school at Stratford, CT, 28 Mar - 12 Apr 79.

A delegation from the Canadian Armed Forces was briefed on 21 Mar 79 concerning J-CATCH, Phases I - IV.

A meeting was held at the US Army Aviation Board on 6 - 7 Mar 79 to discuss the expanded OT IIA of the Lightweight Doppler Navigation System. Representatives from USAAVNBD, USAAVNC-DCD, PM-NAVCOM, AVRADA, USAAVNDDTA, TSM-POSNAV, and AVRADCOM were present.

The first class of students, AH1FS OT II, took aircraft checkrides on 18 and 19 Apr 79. Training to gain USAAVNC proficiency level in each maneuver was measured from 19 - 27 Apr. Test was extended two weeks due to aircraft limitations imposed by P-3 valve restrictions to flight.

BG Prillman, DCG, USAARMC, was briefed on the AH1FS on 19 Apr 79.

A scoring conference was held at the USAAVNBD on 3 Apr 79 to determine those failures chargeable to the AN/ASN-128 Lightweight Doppler Navigation System. Representatives from USAAVNBD, USAAVNC-DCD, PM-NAVCON, TECOM, AVRADA, and TSM-POSNAV were present. The evaluation was on schedule with 80.9 hours on AH-1S and 41.8 hours on CH-47.

A scoring conference was held at the USAAVNBD on 18 - 19 Apr 79 to determine those failures chargeable to the AN/ALQ-136 Radar Jammer. Representatives from USAAVNBD, USAAVNDCDCD, USAAVNDDTA, TECOM, PM-ASE, ERADCOM, USAEPG, and IIT were present.

BG Button, Canadian Aerospace Squadron, and party, were briefed on J-CATCH on 3 Apr 79.

LTC Simpson, USMC Liaison Office, and LTC Ivins, USAF Liaison Officer to Ft Rucker, visited the Board on 5 Apr 79 and received the J-CATCH briefing.

COL Bonafacio and LTC Neuwien were TDY to Washington, DC, to brief MG Merryman on J-CATCH 9 Apr 79.

The Honorable Dr. Pierre, Assistant Secretary of the Army for Research, Development and Acquisition, Office of the Secretary of the Army, visited the Aviation Board on 27 Apr 79 and received the Black Hawk, J-CATCH, AH1FS, and Aviation Board briefings.

LTG Forrest, Deputy Commander, FORSCOM, received a briefing on the AH1FS from the Aviation Board test project officer, CPT Bridgers, on 27 Apr 79.

A scoring conference was held at the Aviation Board on 9 May 79 to determine those failures chargeable to the AN/ASN-128 Lightweight Doppler Navigation System. Representatives from USAAVNBD, USAAVNC-DCD, PM-NAVCON, TECOM, AVRADA, and TSM-POSNAV were present.

During the period 9 - 11 May 79, R&D associates, Marine visitors, and Canadian liaison officers were briefed on J-CATCH.

LTC Lyles, USATCATA, and MAJ Parker, USMC Development Command, received a Board briefing on 10 May 79 in preparation for their attendance at the Instrumented Range Steering Group Meeting.

BG James H. Mapp, Assistant Division Commander, 1st Cavalry Division, Ft. Hood, TX, was given Board briefing and J-CATCH briefing on 17 May 79.

MG Merryman, CG, USAAVNC, received a briefing on AAIR, 18 May 79.

MAJ Dickens attended US Army Airborne Board UH-60A Air Transportability Demonstration at Ft. Bragg, NC, 22 - 25 May 79.

LTC Van Vleck, TRADOC LNO to TSARCOM and AVRADCOM, St. Louis, visited the Board on 22 May 79 for an office call on the Board President and to receive the Board briefing.

Mr. Bill Jones, Boeing Vertol, and COL Hesson visited the Board President on 24 May 79 to discuss CH-47 modification program.

Mr. Naylor and Mr. Blackwell, Emerson Electronics and Space Division, St. Louis, paid a visit to the Board on 29 May 79 to discuss J-CATCH.

MAJ Fred Dickens attended UH-60A ILSMT Conference at Lynn, Massachusetts, 29 May - 1 Jun 79.

Mr. Bulger, General Manager, Potomac Research, Inc., and Mr. Reichelt paid an office call on the Board President on 30 May 79.

EW/CAS test personnel arrived from Eglin AFB, FL, 30 May 79. The USAAVNBD provided test support until approximately 19 Jun 79.

An AH1FS Study Advisory Group (SAG) Meeting was held in the DTD Conference Room from 31 May to 1 Jun 79. CPT Bridgers attended from the USAAVNBD.

CPT James Luckey presented the UH60FS briefing to MAJ Stancil of DCSRDA on 1 Jun 79.

COL Crook, USAAVNC Assistant Chief of Staff, visited the Board on 4 Jun 79 and received the Board briefing.

LTC McGiffert, Director of the Army Staff, received the briefing on J-CATCH, Phases I - IV, on 7 Jun 79 and the briefing on AH1FS on 8 Jun 79.

MAJ Swinehart briefed MG Woodmansee, MG Haeffner, BG(P) Welch, and TAC/TRADOC Staff at HQ, TRADOC, on J-CATCH on 12 Jun 79.

Mr. Richardson, Deputy for Test Resources, OSD; Mr. Tyler, ODCSRDA; Mr. Lockerd, DARCOM; and MAJ Kucharski, ODCSRDA, visited the Board on 12 Jun 79 and received the Board briefing, the J-CATCH briefing, and the AAIR briefing.

LTG Lemm, Chief of the General Army Office, FRG, and General Starry, CG, TRADOC, received briefing on J-CATCH and AH1FS on 13 Jun 79.

LTC Neuwien briefed General Noah on J-CATCH on 14 Jun 79.

CPT Holtz briefed COL Tow and associates at DCD on J-CATCH on 14 Jun 79.

CW3 Harris received a suggestion award check. The award, presented by MG Merryman on 15 Jun 79, was for the invention of the Tactical Instrument Flight Plotter.

Mr. Henry C. Schnitzer, General Manager Product Support, GE, and three associates visited the Board on 22 Jun 79.

MG Becker (Ret) and MG Beatty (Ret) received briefings on the Board, J-CATCH and AAIR on 28 Jun 79.

BG Elton, Director, OPMD, received the J-CATCH briefing on 29 Jun 79.

LTC Neuwien was assigned to special duty with COEA ASH Study Group, 2 Jul 79.

MAJ John Puster, Tactical Fighter Weapons Command representative, visited the USAAVNBD to coordinate draft final report, J-CATCH, Phases I - IV, 2 Jul 79.

COL Bonifacio was TDY to Ft. Knox, KY, 6 Jul 79, for Army Aviation Instrumented Range Briefing to MG Lynch, Cdr, Armor Center.

COL George Newton, new DTD, USAAVNC, visited the Board on 10 Jul 79 and received the Board and J-CATCH, Phases I - IV, briefings.

CPT Holtz briefed Aviation Commander's Readiness Course on J-CATCH, Phases I - IV, on 10 Jul 79.

Brigadier Michael S. Gray, Commander, British Army Staff, and party were briefed on J-CATCH, Phases I - IV, by CPT Holtz and on AH1FS by CPT Bridgers, 11 Jul 79.

SGT McRimmon delivered United Kingdom Mark 5 Masks to Ft. Campbell, KY, on 16 Jul 79 for conduct of CEP 054 beginning 20 Jul 79.

LTC Fournier presented the Board briefing to the Aviation Commander's Readiness Course on 17 Jul 79.

Mr. Bob Martin, AVRADCOM point of contact for OTN 471, High Performance Utility Helicopter Hoist Test, visited the USAAVNBD on 17 and 18 Jul 79.

MAJ Swinehart presented the classified J-CATCH, Phases I - IV, briefing to the Aircrew Training Manual IPR on 18 Jul 79.

MG Rosenblum, Study Director, DOD Combat Effectiveness Training Management Study, was briefed on AAIR and J-CATCH on 19 Jul 79.

Mr. Geoffrey P. Owen, Principal Scientific Officer, Royal Aircraft Establishment, Farnborough, England, visited the Board on 24 Jul 79 to receive the Board briefing and discussions on methodology.

MAJ Bowman, USMC, visited the Board on 3 Aug 79 to receive J-CATCH briefing.

COL Shrader, new TSM Attack Helicopter, visited the Board on 6 Aug 79 to receive the Board briefing.

COL Burton, DT, USAAVNC, was briefed by COL Bonifacio and CPT Bridgers on OH-58C FOE participation by DOFT, USAAVNC, 7 Aug 79.

COL Delany, PM-ASE, visited the Board on 8 Aug 79 to receive the Board briefing and a mini-brief on each of the ASE tests currently assigned to the Aviation Board.

COL Gay, TECOM IG, visited the Board on 10 Aug 79 for an office call on the Board President.

COL Lawley and LTC Cogins completed annual IG inspection and sub-brief on 17 Aug 79; Laudatories: Outstanding Mission Accomplishment; Outstanding Quality in Monthly Significant Activities Report; and Outstanding Five-Year Instrumentation Program.

COL Koehler, new DPCA for USAAVNC, and LTC Scott, new IG for USAAVNC, visited the Board on 28 Aug 79 to receive the Board briefing.

BG McNair, new DCG, USAAVNC, visited the Board on 11 Sep 79 to receive J-CATCH, AAIR, AH-1S Modernized Cobra and Board briefings.

MG Webb, ADCSPER, Department of the Army, received J-CATCH and AAIR briefings on 14 Sep 79.

COL Delaney, PM-ASE, St. Louis, MO, visited the Board on 18 Sep 79 for a meeting with the Board President.

On 26 Sep 79, CPT Bentley presented the J-CATCH, Phases I - IV, briefing to LTC Retsae Miller, Department of Tactics, Command and General Staff College.

LTG Forrester, CG, 6th US Army, received J-CATCH and AAIR briefings on 28 Sep 79.

COL Bonifacio and Mr. Slagley were TDY to TRADOC, 2 - 3 Oct 79 to attend TRADOC User's Test Conference.

Mr. Slagley, USAAVNBD Technical Advisor, attended the MAFIS Technical Committee Meeting at Fort Hood, TX, 10 - 11 Oct 79.

CPT Grose attended T&E Course, 14 - 21 Oct 79, at Aberdeen Proving Ground, MD.

CPT Ahearn and Mr. Torrence attended TRADOC RAM Course at Ft. Lee, VA, 15 - 26 Oct 79.

Mr. R. H. Melton, Southeastern Region Manager, E-Systems, visited the Board on 16 Oct 79 for a meeting with the Technical Advisor.

MAJ Dickens attended Black Hawk ASARC IIIA Briefing at Washington, DC, 21 - 23 Oct 79.

Mr. Dave Smith, VP for Marketing, Sikorsky, visited the Board on 13 Oct 79 for a meeting with the Board President.

Mr. Slagley was TDY to Ft. Bliss, TX, 23 - 26 Oct 79 to attend the ADATS Requirements Conference.

CPT Charles Mount attended an IPR for the AH-1S (MOD) Cobra at St. Louis, MO, on 6 Nov 79.

Mr. Slagley, USAAVNBD Technical Advisor, was TDY to Ft. Bliss, TX, 13 - 16 Nov 79 to attend DA Instrumentation Coordination Conference.

COL Bonifacio was TDY to Ft. Benning, GA, 14 - 15 Nov 79, to attend TRADOC Commanders' Conference.

LTC Curbow, T&E Director, TRADOC, visited the Board on 23 Nov 79 and received the Board briefing.

MG James H. Patterson, Director, Battlefield Systems Integration, HQ, DARCOM, was given an update briefing on AH-1S Operational Test on 27 Nov 79.

LTG Richardson, DCG TRADOC and CG CAC, visited the Board on 30 Nov 79 and received the Board and J-CATCH briefings.

GENERAL COMMENTS:

The Aviation Board is collocated with the US Army Aviation Development Test Activity (USAAVNDA) at Cairns Army Airfield (AAF). This collocation enables combining of multiple test projects on a

single airframe, thereby, saving time, money, and manpower resources. Also, the joint sharing of photo optics facilities, hangar space, aircraft, and other resources further contributes to a cost effective operation.

Many of the Board's tests are conducted at other sites such as Yuma Proving Grounds, Ft. Bliss, Ft. Campbell, Eglin Air Force Base, and at other threat simulations for training and testing purposes.

A major effort is underway to determine the feasibility/desirability of designing and building an instrumentation capability to include threat simulators at Ft. Rucker.

Personnel turbulence has been a concern to mission accomplishment and operations continuity since activation. During 1979, 40 new military personnel were assigned to the Board and 28 departed; 11 civilian personnel departed and 10 new civilians arrived.

Current operational strength includes two worker-trainees and two student aides to compensate for personnel shortages.

A proposed TDA change was submitted to TRADOC during 1979. The approval realigned the two computer specialists and brought the enlisted authorization up to 100 percent. This TDA change will enable the USAAVNBD to more effectively accomplish the mission.

A TRADOC manpower survey, conducted in 1978, recognized 31 additional spaces to meet the Board's workload without a corresponding increase in personnel authorizations. This personnel void will cause operational tests to be delayed to subsequent fiscal years.

Indicative of the professionalism of the Aviation Board's members is the fact that during 1979, civilian members received 13 Outstanding Performance Ratings, three Sustained Superior Performance Awards, and two Certificates of Achievement. Military personnel received four Meritorious Service Medals, four Army Commendation Medals, and nine Air Force Commendation Medals. Equally impressive is the fact that of nine enlisted personnel eligible for reenlistment during this period, eight either reenlisted or extended their terms of service. Further, the personal and professional conduct of the Aviation Board personnel precluded the need for administration of judicial and nonjudicial punishment.



**US ARMY AIRCRAFT DEVELOPMENT TEST
ACTIVITY HEADQUARTERS**

**US ARMY AVIATION BOARD
HEADQUARTERS**

TRADOC SYSTEM MANAGER-ATTACK HELICOPTER

MISSION:

The TSM conducts total system management for Attack Helicopters within TRADOC. He insures that the user total system efforts are developed and fully integrated early and continuously throughout the development and deployment cycle. He discharges the user's responsibilities in the development, testing, training and in coordination with the gaining commands, fielding of the AAH system and the AH-1.

The TSM is responsible for:

All user actions as delineated in appropriate Army and TRADOC regulations and amplified in DA Pam 11-25. In particular, the TSM insures that plans for training, personnel, logistical developments, and the new doctrine/tactics are timely and fully integrated into the materiel development program.

Primary user interface with the Project Manager (PM) AAH and Project Manager (PM) Cobra.

Supervising, coordinating and/or participating in the preparation and/or revision of appropriate materiel requirements documentation, development plans (training, personnel and logistics), and testing plans.

Coordinating user evaluation of all Equipment Performance Reports (EPR) and subsequent proposals for changes to Attack Helicopters and their relative priorities.

Insuring that all engineering change proposals (ECP) and other vendor or PM's systems trade-off proposals are compatible with user requirements.

Participating in the contractual actions of the PMs to insure compatibility with user requirements.

Preparing the TRADOC position and participating in all decision reviews (IPR/ASARC/DSARC) for Attack Helicopters.

Primary user representation in all studies, evaluations, and other efforts supporting development/deployment of Attack Helicopters.

Defending system requirements at all levels of the DOD and Congress as directed.

Acting as chairman or co-chairman of all established Attack Helicopter TRADOC/DARCOM joint working groups.

Insuring development of training literature, individual and collective training programs, courses, instructional media, crew and unit evaluation documents, and devices needed to support Attack Helicopter systems in the institution/unit training environment and in the field.

Insuring development of training standardization, to include participation with DARCOM/PMs in Skill Performance Aids (SPA), to insure that requirements are clearly stated for Attack Helicopters.

Monitoring and/or participating in the budgetary process that impacts upon the functions of training, logistics, personnel, hardware, doctrine, tactics and testing.

Developing of input to the TRADOC Program Analysis Resource Review (TPARR).

Maintaining and coordinating schedules for test, COEA, CTEA, and related special study efforts for update of the PMs Master Schedules.

PERSONNEL:

The TSM-AH Office was established at Fort Rucker, Alabama, on 5 July 1977. Current staffing for the TSM Office is one colonel (O6), two lieutenant colonels (O5), two majors (O4), and one civilian clerk-stenographer. Staffing of one of the commissioned officers (O4 - Asst TSM Test/Evaluation) has been provided by Commander, US Army Aviation Center. Personnel assigned are as follows:

TSM - Colonel Cecil L. Shrader, Armor
ASST TSM (TNG) - Lieutenant Colonel Joseph U. Moffett, Infantry
ASST TSM (PERS) - Lieutenant Colonel Gerald T. Hipp, Air Defense Artillery
ASST TSM (LOG) - Major Charles C. Crowley, Armor
ASST TSM (T&E) - Major Troy J. Roop, Air Defense Artillery
SECTY/STENO - Mrs. Shirley M. Ray

1979 Personnel Changes:

<u>Name</u>	<u>Arrive</u>	<u>Depart</u>
COL Shrader (TSM)	13 Jul 79	
MAJ Roop	13 Jul 79	
COL Mills (TSM)		30 Jun 79
MAJ Beach		6 Jul 79
Mr. Artis		1 Oct 79

ACCOMPLISHMENTS:

Coordinated three Integrated Logistics Support Management Team (ILSMT) and Logistic Support Analysis Review (LSAR) meetings for the AH-64.

Participated in working out details of single versus split operational test for the AH-64.

Participated in the Skill Performance Aids IPR at Hughes Helicopters.

Participated in the World Wide Aviation Conference and Armor Conference.

Participated in two AH-64 Test Integration Working Groups.

Participated in AH-1S Cobra Program Review.

Reviewed and assisted in revision of OT II on AH-1S Cobra.

Participated in a TSARC working group charged with resolving test data conflicts between AH-64 and J-CATCH.

Coordinated and chaired AH-1S Cobra Pre-IPR.

Participated in TRADOC System Manager's Conference.

Briefed House Appropriation Committee Investigators on Precision Guided Munitions as they pertain to Attack Helicopters.

Participated in Modernized Cobra Distribution Conference.

Prepared and coordinated US Army Aviation Center effort concerning Armed UH-60 Suitability Study.

Prepared and coordinated Memorandum For Record between USAAVNC, USAARMC, and TSARCOM on proposed changes to the AH-1 Modernization Program.

Prepared and coordinated Memorandum For Record between USAAVNC, USAARMC, and AAH PM on proposed changes to the AAH Materiel Need (MN).

Coordinated and chaired AAH User Requirements Review.

TRADOC SYSTEM MANAGER-SCOUT HELICOPTER

MISSION:

Conducts total system management for the advanced scout helicopter and all generic scout helicopters (OH-58, OH-6) within TRADOC. Insures that the user total system efforts are developed and fully integrated early and continuously throughout the development and deployment cycle.

The TSM is responsible for:

All user actions as delineated in appropriate Army and TRADOC regulations and amplified in DA Pamphlet 11-25. In particular, the TSM will insure that plans for training, personnel, logistical developments, and new doctrine/tactics are timely and fully integrated into the materiel development program.

Primary user interface with the US Army Aviation Research and Development Command (USAAVRADCOM) and the Project Manager (PM), ASH.

Supervising, coordinating, and/or participating in the preparation and/or revision of appropriate materiel requirements documentation, development plans (training, personnel, and logistics), and testing plans.

Coordinating user evaluation of all Equipment Performance Reports (EPR) and subsequent proposals for changes to the ASH and OH-58 systems and their relative priorities.

Insuring that all engineering change proposals (ECP) and other vendor or materiel developer tradeoff proposals are compatible with user requirements.

Participating in the contractual actions of the materiel developer to insure compatibility with user requirements.

Preparing the TRADOC position and participating in all decision reviews (IPR/ASARC/DSARC) for the ASH system.

Defending system requirements at all levels of the DOD and of Congress as directed.

Acting as chairman or co-chairman of all established ASH system TRADOC/DARCOM joint working groups.

Primary user representation in all studies, evaluations, and other efforts supporting development/deployment of the ASH system.

Insuring development of training standardization, to include participation with DARCOM/PM in Skill Performance Aids (SPA), to insure that requirements are clearly stated for the ASH system.

Monitoring and/or participating in the budgetary process that impacts upon the functions of training, logistics, personnel, hardware, doctrine, tactics and testing.

Development of input to the TRADOC Program Analysis Resource Review (TPARR).

Maintaining and coordinating schedules for test, COEA, CTEA, and related special study efforts for update of the ASH system master schedule.

Insuring that reports on the progress of the ASH system are provided as required by the charter, and notifying the Commander, US Army Aviation Center, and the Commander, TRADOC, when it appears that any approved program threshold has been or is forecast to be breached.

PERSONNEL:

Office is fully staffed. TSM-SH office personnel on board to date are:

TSM - COL George W. Shallcross, Armor

Assistant TSM, Training/Personnel - LTC Lawrence B. Moeller, Infantry

Assistant TSM, Logistics - LTC Vincent P. Mancuso, Infantry

Assistant TSM, Doctrine, Tactics, and Testing - MAJ Earl G. Fossum II, Air Defense

Clerk Stenographer - Mrs. Betty J. Garbarini, GS-4

Departures:

MAJ Michael F. McClellan departed for Germany in October 1979.

Arrivals:

MAJ Earl G. Fossum II was assigned as Assistant TSM, Doctrine, Tactics, and Testing on 11 September 1979.

ACCOMPLISHMENTS:

Sponsored OH-58 User Conference to discuss current OH-58 (A and C) improvement programs.

Reviewed and coordinated the TRADOC position for OH-58 product improvement programs.

Reviewed and coordinated the DCD Independent Evaluation Report (IER) for OH-58C follow-on assessment.

Sponsored an OH-58C User Conference to determine the program necessary to field the aircraft.

Coordinated and reviewed the test results of OH-58C glare shield evaluations.

Coordinated the development of the TRADOC position for OH-58C materiel release configuration required for fielding of the aircraft.

Coordinated development of the TRADOC position on the installation of the radar altimeter (APN-209) in OH-58C.

Coordinated and reviewed the fielding and evaluation of OH-58C.

Reviewed and coordinated the development of the Aviation Board OH-58C Follow-on Evaluation (FOE) program.

Coordinated planning for configuration of the OH-58C 310 modification program.

Participated as a member of the joint TRADOC/DARCOM working groups that prepared Mast Mounted Sight LOA and Lightweight Multipurpose Missile System LOA.

Reviewed and coordinated Aviation Board preliminary test results of OH-58C IOC/FDTE.

Reviewed and coordinated Aviation Board OH-58C IOC/FDTE final report.

Reviewed and coordinated Aviation Board OH-58C follow-on assessment final report.

Coordinated the TRADOC Mast Mounted Sight detectability program.

Participated in the Aviation Center Division 86 Task Force.

Participated in the conduct and evaluation of the Mast Mounted Sight detectability test.

Reviewed and coordinated the Applied Technology Laboratory Mast Mounted Sight test final report.

ADVANCED SCOUT HELICOPTER SPECIAL STUDY GROUP

MISSION:

The Advanced Scout Helicopter (ASH) Special Study Group (SSG) was established by the Department of Army and was implemented by TRADOC with DARCOM participation in August 1978. Its purpose was to perform a comprehensive ASH Concept Formulation Package (CPF) (Trade-off Determination, Trade-off Analysis, Best Technical Approach, Cost and Operational Effectiveness Analysis) and update the Decision Coordination Paper (DCP) with a Mission Element Need Statement (MENS) annex and to update the approved Required Operational Capabilities (ROC) documents for consideration by a Special Army Systems Acquisition Review Council (ASARC) and Office of the Secretary of Defense (OSD) Program Review in early FY 80. The purpose of these meetings was to obtain DA and OSD approval to continue the program until a Milestone II decision is received prior to contract award, in the fall of 1980. Emphasis was placed on validating the need for scout helicopter assignment to Attack Helicopter, Air Cavalry, and Field Artillery units.

ORGANIZATION:

The organization of the ASH SSG provided for two major subdivisions. Deputies for Development and User Requirements headed parallel organizations designed to interact to complete requirements of the CFP, DCP MENS, and ROC.

KEY PERSONNEL:

Major General James H. Patterson, Director ASH SSG, 1978-1979

Mr. Richard S. Maccabe, Deputy Director ASH SSG, 1979-1980

Colonel George W. Shallcross, Deputy for User Requirements, 1978-1980

Colonel Ivar W. Rundgren, Deputy for Development, 1978-1980

ACCOMPLISHMENTS AND SIGNIFICANT EVENTS:

8 Aug 78	Department of the Army Letter of Instruction
9 Nov 78	Presentation to Industry
6 Dec 78	Visit to Europe
29 Sep 78	Study Advisory Group (SAG) I
20 Nov 78	SAG II
26 Jan 79	SAG III
2 Feb 79	Emerging Results
9 Apr 79	Mini-SAG
14 May 79	MSRS Approval Meeting
10 Jul 79	COEA Status Report
24 Aug 79	Draft ROC to HQ TRADOC and HQ DA
11 Sep 79	COEA Status Report
21 Sep 79	Draft DCP and MENS Annex to HQ TRADOC and HQ DA
21 Sep 79	Draft COEA Executive Summary to HQ TRADOC and HQ DA
22 Sep 79	SAG IV
24 Oct 79	TRADOC General Officer IPR
24 Oct 79	GEN Starry Decision Briefing
26 Oct 79	ASARC Preliminary Review I
7 Nov 79	ASARC Preliminary Review II
26 Nov 79	ASARC Preliminary Review III
30 Nov 79	Special ASARC
18 Dec 79	OSD Review

The SSG completed its study in October 1979 and found that the aerial scout helicopter requirement was real and immediate and that alternatives should include modular design mast-mounted target acquisition sensors for day, night, and obscured visibility conditions; tactical navigation, and communications equipment for day and night terrain flight operations; and the ability to carry armament and aircraft survivability equipment which may be installed on modified existing US or NATO military or commercial or new development helicopters in the 5,000 to 8,000 pound mission gross weight range.

The Special ASARC was held at Headquarters, Department of the Army, on 30 November 1979, and the following specific recommendations were made:

- . That the need for the ASH be approved.
- . That the development of ASH to support AAH units (attack and air cavalry) be approved.
- . That the need to expedite fielding of mast mounted sight and laser designator technology be approved to satisfy immediate scout helicopter requirements for AH-1S and field artillery units.

The Special ASARC decisions in regard to the above recommendations are summarized as follows:

- . The requirement for an aerial scout helicopter was reaffirmed.
- . The best, long term, technological solution to this need is a new development helicopter, and although this solution is not presently affordable, work would continue on a program to support future development.
- . A near term program will be developed to field an aerial scout having mast-mounted sight and laser designation technology to work with AH-1S and field artillery units.

The OSD Review on 18 December 1979 supported the near term program and deferred discussion of the long term program.

The ASH Project Manager and the TRADOC System Manager - Scout Helicopters are working to implement the ASARC decisions and will make recommendations in regard to a program to satisfy the near term requirement to Headquarters, Department of the Army, in June 1980.

TRADOC SYSTEM MANAGER-HELLFIRE/MLM

MISSION:

The TSM will conduct total system management for the HELLFIRE Modular Missile System and Multi-purpose Lightweight Missile System within TRADOC. He will insure that the user total system efforts are developed and fully integrated early and continuously throughout the development and deployment cycle. The TSM, acting for the Commander, USAAVNC, and Commander TRADOC, will discharge the user's responsibilities in the development, testing, training, and, in coordination with the gaining commands, fielding of the HELLFIRE system. In particular, the TSM will insure that plans for training, personnel, logistics, testing and new doctrine and tactics are timely and fully integrated into the materiel development program.

Additional mission responsibilities:

Primary user interface with the Project Manager (PM), HELLFIRE/MLM systems.

Supervising, coordinating and/or participating in the preparation and/or revision of appropriate materiel requirements documentation, development plans (training, personnel and logistics), and testing plans.

Coordinating user evaluation of all Equipment Performance Reports (EPR) and subsequent proposals for changes to the HELLFIRE and MLM systems and their relative priorities.

Insuring that all engineering change proposals (ECP) and other vendor or PM HELLFIRE/MLM system trade-off proposals are compatible with user requirements.

Preparing the TRADOC position for and participating in all decision reviews (IPR/ASARC/DSARC) for the HELLFIRE/MLM systems.

Primary user representation in all studies, evaluations, and other efforts supporting development of the HELLFIRE and MLM systems.

Defending or validating system requirements at all levels of the DOD and of Congress as directed.

Insuring development of training literature, individual and collective training programs, courses, instructional media, crew and unit evaluation documents, and devices needed to support the HELLFIRE/MLM systems in the institution/unit training environment and in the field.

Monitoring and/or participating in the budgetary process that impacts upon the functions of training, logistics, personnel, hardware, doctrine, tactics and testing.

Maintaining and coordinating schedules for test, COEA, CTEA, and related special study efforts for update of the HELLFIRE/MLM systems Master Milestone Schedule.

Insuring that reports on the progress of the HELLFIRE/MLM systems are provided to appropriate agencies as required.

PERSONNEL:

COL Alman I. Butler, TSM HELLFIRE/MLM.

LTC Morris D. Anderson, Assistant TSM HELLFIRE/MLM, Test and Evaluation. Effective 1 Oct 79, Assistant TSM HELLFIRE/MLM, Personnel and Training.

MAJ Brandon C. Weathers, Assistant TSM HELLFIRE/MLM, Personnel and Training, departed 10 June 1979.

MAJ John Michael Stacy, Assistant TSM HELLFIRE/MLM, Personnel and Training, arrived 18 June 1979. Effective 1 October 1979, Assistant TSM HELLFIRE/MLM, RDT&E.

MAJ Alvin G. Hogsett, Assistant TSM HELLFIRE, Logistics, departed 12 June 1979.

MAJ Ben P. McFall, Jr., Assistant TSM HELLFIRE/MLM, Logistics, arrived 28 May 1979.

Peggy Ann T. Lewis, GS-4, Clerk Steno, arrived 24 June 1979.

ACCOMPLISHMENTS:

January 1979

22-26 January 1979: Major Hogsett proceeded TDY to Fort Sill, Oklahoma, to participate as a member of the Close Support Working Group II designed to identify Fire Support tasks and integration of weapon systems coming into the inventory into the overall Division 86 fire support scheme.

22-23 January 1979: LTC Anderson participated in the Infantry, Armor, Air Ground Working Group meeting at Fort Gordon, Georgia.

23-26 January 1979: COL Butler, TDY to Fort Knox, KY, to brief Armor update conference; to Washington, DC, to attend Battlefield Obscuration brief to US of A; and discuss Operational Concepts (Laser and Fire and Forget).

COL Butler attended/participated in ATHELO SAG, Washington, DC, 30 January 1979.

MAJ Hogsett returned from CSSG II meeting, Ft Sill, 30 January 1979. Trip and Draft Study Report completed, out for USAAVNC staffing. Copy furnished CG/DCG.

February 1979

8 February 1979: COL Butler to HQ TRADOC to participate in TRADOC staffing of Fire and Forget Seeker ROC. Briefed BG Woodmansee on Fire and Forget.

9 February 1979: COL Butler to HQ DA and ASA For R&D COL Zugswurth, to coordinate draft HELLFIRE O & O Concept.

21 February 1979: LTC Anderson attended/represented USAAVNC NSIA Conference.

March 1979

MAJ Hogsett represented USAAVNC at CSSG II Phase III and IV Study Group, 13-15 March 1979. Trip report followed.

12-21 March 1979: LTC Anderson supervised HELLFIRE indirect portion of HELBAT VII exercise at Fort Sill, Oklahoma. Memo followed.

April 1979

HELLFIRE Fire and Forget COEA study group members from PM-HELLFIRE, TRASANA and USAAVNC met at Fort Rucker, 11-12 April, to coordinate study plan requirements and write a draft Fire and Forget COEA Study Plan. The Draft Study Plan was completed 12 April, and was sent to HQ TRADOC for staffing, 13 April. The first SAG will be held at HQ TRADOC on 27 April. SAG chairman will be COL Snyder, HQ TRADOC.

Major Hogsett participated in revision of FM 17-50 (Attack Helicopter Operations) at Fort Knox during the week of 23 April 1979.

May 1979

10-11 May: COL Butler briefed the user perspective to the HELLFIRE Industry Team Meeting at Redstone Arsenal. Coordinated Fire and Forget COEA Study Plan with PM.

10 May: The final draft HELLFIRE O & O Concept was completed and sent to Fort Knox for coordination/approval prior to publishing.

11 May: The HELLFIRE Fire and Forget COEA Study Plan was completed per initial SAG guidance. Next SAG to be conducted in June.

June 1979

MAJ Hogsett, Asst TSM-H Logistics, PCS'd on 12 June 1979 to Savanna Army Depot, Illinois. His replacement, MAJ McFall, was TDY at the Project Managers' Development Course until 27 July 1979. MAJ Stacy, who replaced MAJ Weathers on 16 July, reported for duty on 18 June 1979.

By 21 June 1979 fonecon, LTC Anderson discussed status of Fire and Forget ROC with LTC Ramage, DCSOPS, RQM. ROC is being revised to accommodate generic attack helicopter application. It is anticipated that the ROC will be approved and be back at TRADOC by the end of July (79).

MAJ Stacy came "on board" as of 18 June 1979 and spent the week in briefings on HELLFIRE Personnel/ Training by Major Weathers.

July 1979

3 July: This office received a telephonic request from the MIRADCOM Lab, Redstone Arsenal, to secure the loan of a production AH-1S for the purpose of evaluation HELLFIRE adaptation by Rockwell International Missile Systems Division (MSD) engineers. LTC Anderson coordinated the request with ADTA to determine availability of AH-1S and crew during week of 16 July. Funding for the loan will be provided by PM HELLFIRE. The request will be formally submitted once verbal concurrence is received by MIRADCOM.

The HELLFIRE container has been redesigned as a result of TSM HELLFIRE/MLM action last year. The previous container did not meet the requirements and Rockwell now has a design which they and PM HELLFIRE believe will meet it. PM HELLFIRE also believes the new container will be available by HELLFIRE OT II (Apr 80).

August 1979

MAJ Mike Stacy attended a laser range safety meeting for the purpose of rewriting portions of AR 386-63, Policies and Procedures for Firing Ammunition for Training, Target Practice, and Combat. It was resolved that developmental aerial laser systems would not be addressed in the regulation, but that general guidance regarding range specifications and peculiarities for aerial laser systems would be included.

USAARMC, per TSM-H tasking, provided the AH-64/HMMS community with AH-64 mission profiles under icing conditions. The profiles will be used to assist in developmental requirements for HMMS icing protection.

TSM-HELLFIRE was represented by LTC Anderson at Rockwell International and OTEA in preparation for OT II due to occur in April 1980. Testing requirements are being analyzed and plans coordinated to insure a successful OT.

LTC Anderson attended the last day of the HELLFIRE Program Review at Rockwell, International. LTC Anderson took advantage of the opportunity to familiarize the PM and contractor on the C³ OT II issue and the equipment training, etc., planned for use to test the C³ concept.

LTC Anderson participated in the Airborne Target Handoff System (ATHS) LOA JWG conducted at DCD on 23 August. The draft LOA was finished and will be distributed for comment.

COL Butler visited HQDA Monday, 27 Aug 79; to assist DCSOPS/DCSRDA in reviewing final changes to F&F ROC and proposed review changes submitted by ASA (R&D) to the HELLFIRE Mission Element Need Statement (MENS).

September 1979

COL Butler and LTC Anderson attended a HELLFIRE Independent Evaluation Plan review at OTEA. Specific issues revolved around the details of OT II. A major issue and imminent requirement for TSM-H/MLM and USAARMC is to request that the digital message device be used on OT II to validate the C³ concept.

October 1979

1 October: COL Butler and LTC Anderson briefed CG on C³ and HELLFIRE Missile Electronics (HME) test requirements during HELLFIRE OT II.

3-5 October: COL Butler visited Rockwell International (RIC), Columbus, Ohio, to review a survivability/vulnerability analysis performed by RIC. There was also discussion of HELLFIRE trajectory shaping, HELLFIRE Laser/IRIS Mix Analysis, MMS/Indirect fire engagements and a discussion of the attack helicopter fleet mix analysis.

COL Butler and MAJ Stacy attended HELLFIRE Fire and Forget Seeker COEA SAG III at TRADOC HQ on 10 Oct 79. A SAG decision was to extend the COEA in order to resolve certain unanswered questions. The COEA was extended approximately 30 days. It was also decided that ASARC/DSARC date should be slipped.

MAJ Stacy attended a coordination meeting with DCD and TSM-A to outline strategy and responsibilities for the development of the HELLFIRE/UH-60 LOA and the HELLFIRE/AH-1S MMS LOA.

15-17 October: MAJ McFall attended an Integrated Logistics Support Management Team (ILSMT) Review for the HELLFIRE Missile System at Rockwell International Corporation, Columbus, Ohio. Purpose was to review all logistics elements in the program, their status, and provide user input as required.

17-19 October: MAJ Stacy visited Fort Knox to coordinate the employment, tactics, and O&O Concept in conjunction with the Fire and Forget COEA. Additionally, MAJ Stacy coordinated the training evaluation requirements for HELLFIRE OT II.

22-23 October: COL Butler attended a HELLFIRE Icing Coordination Meeting at PM HELLFIRE, Redstone Arsenal, AL.

23-25 October: COL Butler attended the TRADOC System Manager's Conference at Fort Monroe, VA.

LTC Anderson briefed Colonel Jolley, Senior Army Instructor, Maxwell Air Force Base, on 24 Oct 79 regarding the capabilities and current status of the HELLFIRE System.

On 20 Oct 79, the first HELLFIRE missile was fired from the AH-64 using the on-board TADS. The missile was designated utilizing the Northrup TADS from a hover, 300' AGL, at a medium range with a Rockwell seeker. Direct hit was achieved.

MAJ Stacy revised the TSM-H Charter to reflect responsibility for the Multipurpose Lightweight Missile System.

November 1979

29 Oct-1 Nov: MAJ McFall attended a FARP Update Conference at Fort Lee, Virginia. Purpose was to input HELLFIRE requirements and impacts to assembled FARP participants, resulting in a heightened appreciation by participants for HELLFIRE demands on FARP operations.

29 Oct-2 Nov: LTC Anderson attended a TRADOC HELLFIRE OT II meeting at Falls Church, Virginia, and Fort Leavenworth, Kansas. Purpose was to discuss TRADOC training and test issues, time schedules and other user issues.

31 Oct-2 Nov: COL Butler and MAJ Stacy, TDY to Fort Monroe to brief the House Appropriations Committee (HAC) Survey and Investigations (S&I) Staff.

27-28 Nov: MAJ McFall attended the Fifth Annual TRADOC RAM Conference at Fort Lee, Virginia. Purpose was to update participants on latest TRADOC RAM information and review the status of RAM elements and provide input as required.

26-28 Nov: LTC Anderson attended the HAC S&I briefing at Fort Sill, OK. House staffers were briefed on the FIST and given a breakdown and set up demonstration of a GLLD. In addition, they received briefings on the RPV by the PM and TSM and a presentation by the USAFAS DCD Aviation Staff Officer on the Field Artillery Aerial Observer requirement for an "ASH" type aircraft. LTC Anderson seized the opportunity to discuss GLLD training for HELLFIRE OT II players with COL Pokorny and USAFAS gunnery and academic department personnel.

December 1979

4-7 December: MAJ McFall attended Logistics Support Analysis Baseline Review at Rockwell International, Columbus, Ohio.

3-7 December: COL Butler and MAJ Stacy prepared HELLFIRE Fire and Forget Seeker ASARC II briefing for BG McNair.

13 December: LTC Anderson TDY to PM HELLFIRE, Redstone Arsenal, AL, to chair the HELLFIRE Remote Designation C³ Employment Working Group Meeting. A demonstration was conducted of the Digital Message Device (DMD) capability and a discussion of voice/manual handoff procedures ensued. Issues relative to HELLFIRE C³ training and hardware interface requirements for OT II were discussed and resolved.

STAFF JUDGE ADVOCATE

MISSION:

Provides legal services for the US Army Aviation Center; prosecutes and administers courts-martial, and provides legal assistance to soldiers and dependents for personal legal problems.

ORGANIZATION:

The Office of the Staff Judge Advocate is organized as follows: SJA, DSJA, Admin Law/Legal Assistance Branch, Claims Branch, Military Justice/Admin Boards Branch, and the Administrative Section.

PERSONNEL:

Arrivals:

CPT Andral N. Bratton, Chief, Admin Law/Legal Assistance Branch, Apr 79.

CPT Andrew Lopez, Claims Judge Advocate/Legal Assistance Officer, Jul 79.

Departures:

CPT Michael J. McElligott, Trial Defense Attorney, assigned to Korea, Dec 79.

CPT Steven R. Brook, Claims Judge Advocate, returned to civil law practice in San Antonio, Texas, Nov 79.

CPT Paul L. Johnston, Admin Law Officer, assigned to graduate course JAG School, Apr 79.

CPT Robert D. Higginbotham, Legal Assistance Officer, assigned to US Army Legal Service Agency, Mar 79.

ACCOMPLISHMENTS/SIGNIFICANT EVENTS:

The Federal District Court of the Middle District of Alabama has been presented this Command's proposal to include servicemembers within the jurisdiction of the Federal Magistrate Court operated for the Fort Rucker military reservation. Acceptance of this Command's proposal will permit Military Police to issue traffic citations to servicemembers for alleged traffic violations to be decided before the Federal Magistrate.

Electronic Cathode Ray Tube (CRT) typewriters and a centralized dictation system have been installed in the SJA office. CRT typewriters are to be tested as part of a TRADOC study of word processing systems.

Military families residing on Fort Rucker may now operate foster homes. A program for this community service was developed between this installation and the local Alabama child welfare authority.

The local Alabama child welfare authority and this installation have now established a cooperative program for the prevention and management of child abuse cases involving military families.

On 14 Jun 79, the US District Court for the Middle District of Alabama, Southern Division, entered a final order approving the Consent Decree involving racial discrimination at Fort Rucker. Under the terms of the Consent Decree, Fort Rucker has agreed to operate in accordance with specifications set forth in the Decree. As required, the first quarterly report in Matthews and Huntington vs. the Secretary of the Army was submitted to the Court in December 1979.

A suit in the US District Court for the Middle District of Alabama, Ash vs. The United States, in which the plaintiff claimed \$1,000,000 for medical malpractice was decided in favor of the United States.

PUBLIC AFFAIRS OFFICE

MISSION:

Provides 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, US Army Recruiting Command personnel, tenant activities, military dependents, and the geographic area of responsibility.

PERSONNEL:

<u>Name and Rank</u>	<u>Position</u>	<u>From/To</u>
LTC Robert M. McDowell	Pub Aff Off	Mar 77 - Present
DAC Herbert C. Strickland	Dep Pub Aff Off	Dec 71 - Present
SP5 Robert L. Van Elsberg	Pub Aff Supv	Jan 79 - Present

ACCOMPLISHMENTS:

Guest speakers for the Bogardus S. Cairns Chapter, Association of the US Army were Major General James H. Merryman, Commanding General, US Army Aviation Center, Fort Rucker, 27 June 1979, and United States Senator Howard H. Baker, Jr., Senator for the state of Tennessee.

Extensive news coverage was provided for the Combined Federal Campaign, Army Emergency Relief, Operation Santa Claus (on continuing basis), Fire Prevention Week, Federal Women's Week, 1st Aviation Brigade Charity Day for the Vivian B. Adams School in Ozark, Officers' Wives' Club Christmas Bazaar, and the Fort Rucker annual fund raising event, the 49er Party.

Other significant stories covered throughout the year were: Military Ball, Junior Reserve Officers' Training Corps Rifle and Drill Meet, the proposed Army training for Navy pilots, Black History Week, medical care and facilities and physician shortage, acceptance of the first UH-60A Black Hawk into the Aviation Center inventory and acceptance of the CH-47D by the US Army Aviation Development Test Activity. Also released and receiving national publicity was a story about LT Marcella Hayes, first black female aviator in the US Armed Forces.

A total of 869 printed news stories with photographs was released to more than 18 local and regional news media.

A total of 148 electronic (radio and television) releases was released to an average of eight civilian outlets. Additionally, nine Department of Army military and civilian personnel appeared on the WTVY television Morning Show.

Aircraft static displays were provided in five civilian communities in support of personnel procurement for the Total Army Concept.

The 98th Army Band appeared in more than 30 communities in Alabama, Florida and Mississippi in support of Army personnel procurement and visibility to support the Total Army Concept to Active Army, Reserves, National Guard and Junior and Senior ROTC programs.

Twenty tours were organized and conducted by the Public Affairs Office which included grammar and high school students, high school band members, Scouts, educator groups and Junior and Senior ROTC student groups. Tours included over 1,300 participants from Alabama, Florida, Georgia, Mississippi, Louisiana, and North Carolina.

INSPECTOR GENERAL

MISSION:

Inquires into and reports upon matters affecting the performance of mission, state of economy, efficiency, discipline, and morale of the command.

PERSONNEL:

LTC Engle W. Scott was appointed to serve as the Inspector General, USAAVNC and Fort Rucker, on 16 July 1979. LTC Scott replaced LTC Charles E. Parker, Jr., who retired from the Army on 30 August 1979.

MAJ John R. Wehr was assigned as Chief of the Inspector General Action Request/Investigations Branch on 24 July 1979. MAJ Wehr is now assigned as the Chief of the Inspections Branch effective 24 November 1979.

MAJ Colin B. Cosgrove was assigned as an Inspector General and Chief of the Inspections Branch on 13 April 1979. MAJ Cosgrove was reassigned to Germany in December 1979.

MAJ Robert H. Vandell, assigned as an Inspector General and Chief of the Inspections Branch, was reassigned to Korea on 13 April 1979.

MAJ Dale B. McGarry was assigned as an Inspector General and Chief of the Inspector General Action Request/Investigations Branch on 1 December 1979.

SFC Robert D. Rhodes was assigned as the NCOIC of the Inspector General Office on 8 November 1979 and replaced MSG Milton M. Caldwell who retired from active service on 30 November 1979.

ACCOMPLISHMENTS:

During 1979, the Office of the Inspector General conducted inspections of the following units/activities:

Headquarters, 1st Aviation Brigade and four battalions
Twenty-three company-sized inspections
Inspection of major Center Directorates to include:
Directorate of Personnel and Community Activities,
Directorate of Combat Developments,
US Army Aviation Board,
Directorate of Training Developments,
Finance and Accounting Office,
Directorate of Training,
Directorate of Industrial Operations,
Post Exchange,
Commissary,
Morale Support Activities,
Sport Parachute Club,
Chaplains Fund,
Veterinary Clinic Fund,
Riding Club,
Flying Club, and
Billeting Branch and Fund.

Additionally, TRADOC Inspector General conducted a general inspection of the United States Army Aviation Center and Fort Rucker during the period 13 August - 24 August 1979.

At the beginning of FY 79, the Inspector General began conducting unannounced inspections of company-sized units. Many positive and constructive comments by battalion commanders, company commanders, and soldiers have been received in regards to unannounced inspections.

During 1979, approximately 348 Inspector General Action Requests were received and resolved by personnel of the Inspector General Office. Additionally, 18 investigations and inquiries were conducted.

OFFICE OF CIVILIAN PERSONNEL

MISSION:

Responsible for accomplishing the Civilian Personnel Management Program, with authority from the Commanding General. Provides staff assistance to managers and supervisors in taking actions to obtain, compensate, train, develop, utilize, and retain an effective and efficient work force. Administers legal regulations and procedural controls established within the Federal Personnel System. Evaluates jobs and accomplishes personnel actions; exercises leadership in the development and administration of local civilian personnel policies and programs; maintains contacts with outside agencies and community organizations; and provides effective direction to employee/management relations. Provides advice and assistance to managers and supervisors on program planning and evaluation, supervisor/employee relations and communications, motivation and recognition, training and development, and employee services.

ORGANIZATION:

The Office of Civilian Personnel is composed of the following:

Office of the Chief
Technical Services Office
Recruitment and Placement Branch
Position and Pay Management Branch
Management Employee Relations Branch
Training and Development Branch

PERSONNEL:

Mr. Bernie F. Sheppard was the Civilian Personnel Officer for 1979.

ACCOMPLISHMENTS:

During 1979, 90 employees retired from Civil Service. Forty-six retired on disability; 45 were optional retirements, and one was a mandatory retirement.

The civilian strength at the beginning of the year was 2,070 General Schedule (GS) and 635 Wage Grade (WG) employees for a total of 2,705. There were 2,019 GS and 598 WG employees at Fort Rucker at the end of 1979.

A full scale Wage Survey of the Dothan, Alabama locality was conducted in 1979 by representatives from DOD Wage Fixing Authority and from Fort Rucker. The visits to private industries and comparison of wage data resulted in the following increases in rates:

Nonsupervisory Wage Grade Employees - 7.47% or \$.4425 per hour.

Leader Wage Grade Employees - 7.07% or \$.4606 per hour.

Supervisory Wage Grade Employees - 7.02% or \$.6515 per hour.

CENTER CHAPLAIN

MISSION:

Provides a program of public worship, religious education, counseling, pastoral care, and moral leadership training to all active duty military and their dependents, retired military and their dependents, and authorized civilians served by Fort Rucker.

PERSONNEL:

Chaplain (COL) Thomas L. McMinn, Jr., served as Center Chaplain during 1979.

Chaplain (LTC) Howard A. Easley served as Pastoral Coordinator during 1979.

Chaplain (MAJ) Clyde M. Northrop served as 6th Bn and Family Life Center Chaplain during 1979.

Chaplain (CPT) Peter J. Borovec served as 4th Bn and Hospital Chaplain.

Arrivals:

Chaplain (MAJ) George R. Hattle arrived in July 1979 and was assigned duties as the 6th Bn Chaplain, and in December he moved to a new position as Pastoral Coordinator, 7E Chaplain Trainer.

Chaplain (CPT) Bruce M. Rux arrived in November 1979 and was assigned duties as the Pastor of the Headquarters Place Chapel and Hospital Chaplain.

Chaplain (CPT) Willard M. Richardson arrived in November 1979 and was assigned duties as 6th Bn Chaplain.

Chaplain (CPT) Jonathan Grant arrived in November 1979 and was assigned duties as the 1st Bn Chaplain.

Chaplain (CPT) Daniel L. Musgrave arrived in December 1979 and was assigned duties as Tenant Units Chaplain and Chapel of the Flags Pastor.

Departures:

Chaplain (CPT) Nicholas E. Wagner departed in May 1979.

Chaplain (LTC) Leland S. Buckner departed in June 1979.

Chaplain (CPT) John W. Brinsfield, Jr., departed in December 1979.

ACCOMPLISHMENTS:

The birthday of the late Dr. Martin Luther King, Jr., was observed with a service of tribute at Headquarters Place Chapel on 15 January 1979. Mr. Milt Crenshaw of the EEO/Race Relations Office was guest speaker.

A "New Dimensions" ten-week Bible course on the Ten Commandments began on 18 January 1979 and was led by Mr. Louie Reynolds, Director of Religious Education.

A single adult retreat was held on 19-21 January 1979 at Camp Victory, Samson, Alabama. Chaplain Thomason was the retreat master.

The Annual National Prayer Breakfast was held at the Fort Rucker Officers' Open Mess at 0630 hours on 18 January 1979. The featured speaker was Mr. Fred D. Donaldson of Enterprise, an outstanding Christian layman and insurance executive.

First Confessions of children were heard on 24 February 1979 at the Fifth Avenue Chapel.

The New Testament Bethel Series Bible Course began on 26 February 1979, taught by Mr. Louie Reynolds, Director of Religious Education.

A marriage enrichment retreat was conducted at Blue Lake Assembly on 2-4 March 1979. Resource leaders were Dr. Paul Irby of the Dothan Counseling Services, and Chaplain and Mrs. Clyde Northrop.

Leonardo da Vinci's "Living Last Supper" was held on 12 April 1979 at 1830 and 2000 hours in the Chapel of the Flags and was directed by Chaplain Howard Easley.

The Easter Sunrise Service was conducted on 15 April 1979 at 0500 hours at the Headquarters Parade Field. Chaplain (Ret) Erwin Shirey, Pentecostal Holiness Church District Superintendent for Alabama, was the featured speaker.

1st Holy Communion was administered on 21 April 1979 at the Fifth Avenue Chapel.

The annual CCD appreciation dinner was held at the Religious Education Center on 27 April 1979 for all teachers in the Catholic program.

The Protestant Women of the Chapel held the 16th Annual Good Friday Prayer Breakfast play at the Fort Rucker Officers' Open Mess on 13 April 1979 for Fort Rucker and the neighboring civilian communities. The Good Friday play, "At the Sign of the Cross" by Mrs. Jewell Ellen Smith, was presented.

An appreciation dinner was held for all of the chapel volunteers in the Protestant program at the NCO Club on 26 April 1979.

A five-day Vacation Bible School was held at the R.E. Center with an enrollment of 458 on 4-8 June 1979. A singing group from Atlanta visited the school during one day and sang in the chapel for the entire school.

Summer CCD was held 25-29 June 1979.

A post-wide Kids Crusade featuring Becky and Lynn Wickstrom was conducted at the Chapel of the Flags on 28-31 October. Attendance reached over 300 on two occasions.

A single adult retreat was held on 28-29 September 1979 at Camp Victory, Samson, Alabama. Chaplain Thomason was the retreat master.

The annual Christmas Tree Lighting Ceremony was held on 14 December 1979 at 1600 hours on the Post Parade Field.

The Ladies Guild Christmas Program was held at the Recreation Center on 15 December 1979. A Christmas Cantata, "An Old Fashioned Christmas," was presented on 16 December 1979 at the Post Theater by the 98th Army Band and the combined choirs. WO1 Luther Murphy, Bandmaster, directed the choir and the band.

The annual Protestant Christmas Eve Candlelight Service was conducted on 24 December 1979 at the Chapel of the Flags.

A Christmas Day Communion Service was conducted on 25 December 1979 at the Chapel of the Flags.

A New Year's Watchnight Service was conducted on 31 December 1979 at the Chapel of the Flags and Third Avenue Chapel.

Two nine-week parenting courses were held in the Family Life Center each Thursday morning during September 1979, one in the fall quarter and one in the winter quarter.

A three-week workshop on retirement was held in the Family Life Center on each Thursday morning during September 1979. Dr. Paul Irby, of the Dothan Counseling Service, was the workshop leader.

A three-week workshop entitled "Your Husband's Legal Mistress" was held on Thursday mornings during October 1979 in the Family Life Center for wives who wanted to understand the nature of their husband's "love" of his job in the Army. Dr. Paul Irby was the workshop leader.

SECRETARY GENERAL STAFF

MISSION:

Secretary of the General Staff - Directs and controls overall operations 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.

ORGANIZATION:

The Secretary of the General Staff (SGS) is organized in three divisions:

Secretary of the General Staff
Protocol Division
Administrative Division

PERSONNEL:

The following military personnel assignments were made during 1979:

<u>Position</u>	<u>Personnel</u>	<u>Arrival/Departure Date:</u>
Secretary General Staff	MAJ Paul B. DesJardins	7 Dec 78 - 27 Jan 79
	MAJ Walter C. Ingram	28 Jan 79 - Present
Chief of Protocol	CPT Lacey H. Collins	26 Apr 78 - 7 May 79
	CPT Daniel T. Frank	7 May 79 - Present
SGS Administrative Assistant	SSG Edward Jones, Jr.	3 Jan 79 - Present
Headquarters Commandant	SSG David L. Jacobson	1 Jan 79 - 16 Aug 79
	SSG James L. Lomax	16 Aug 79 - Present

ACCOMPLISHMENTS:

The following VIPs were extended support and assistance during calendar year 1979.

January

9 - MG Presley - USAF, CDR, AAFES
Mr. Keel - Personnel Staff Member for Senator Cannon

12 - BG Louisell - ADC, 101st ABN Div, Ft Campbell, KY

14-16 - COL Ledebuhr - Head LDR, Instructors Dept USMC

15-16 - COL Rose - Dir, Armor Avn, Ft Knox, KY

17 - MG Curry - CG, USA Test Eval Cmd, Aberdeen Proving Ground, MD

21-22 - MG Seigle - DCG, Allied Land Forces, Southeastern Europe

24-26 - BG Blair - CDR, 7th Signal Cmd, Ft Ritchie, MD

25-26 - MG Rattan - DCDR, 5th Army, Ft Sam Houston, TX

BG Wagner - Dir, Combat Support Sys, Ofc Dep CofS for Research Dev Acq

LTC Muscomba - Kenyan Air Force

LTC Kelley - Kenyan Air Force

MAJ Mwangi - Kenyan Air Force

Mr. Harvey - Consultant to Asst of Army Research Dev & Acq

25-27 - BG Morbieu - French Military Attache
29-30 - COL Hill - TECOM Test Div

February

8 - MG Jagers - U.S. Army Retired
8-10 - MG Maddox - U.S. Army Retired
12 - Senator Stewart - U.S. Senator, Alabama
12-14 - MG Smith, James - 6th Dr Trng ODCSOPS, Washington, D.C.
13 - RADM Barth - C, Naval Training
14-16 - COL Ringh - Swedish Army Staff
COL Lung-Vannerus - Swedish Army Staff
MAJ Harlin - Swedish Army Staff
MAJ Ulin - Swedish Army Staff
15-16 - BG Therriault - Canadian Forces Attache, Can Def Liaison Staff, Wash, D.C.
16 - Governor James - Governor, Alabama
17 - LTC Lee - ROKA Korean Advisor, for Avn, ROK
Senator Bond - State Senator, Georgia
20 - COL Tow - Sys Dir Battle Fld Sys Integration, Dir HQ DARCOM
22-23 - MG Harrison - CDR, USA AG Ctr, Ft Ben Harrison, IN
26 - BG McNair - Dep Dir of Req & Army Avn Off ODCSOPS, Wash, D.C.
28- 1 - COL Fuller - Army Special Security Group, Wash, D.C.

March

2 - MG Weber - Chief, N.G. Bureau
2- 3 - Congressman Dickinson - U.S. Representative from Alabama
2- 5 - LTC Argue - Canadian Dir of Land Avn, Nat Def HQ, Ottawa, Canada
5 - MG Ulmer - Dir Human Resources Dev, ODCSPER HQ, Wash, D.C.
5- 7 - COL Valstar - RNLAFF Attache to Royal Netherlands Embassy
7- 8 - MG Patton - Dir, Readiness USA, DARCOM, Alexandria, VA
Mr. Fish - Budget Officer, Mgt & Budget Office, Sec of Defense
8- 9 - BG Hawkins - CofS Pers TRADOC, Ft Monroe, Va
BG McKinney - Asst AG, NC NG
9-10 - BG McNair - Dep Dir of Req & Army Avn Officer, ODCSOPS, Wash, D.C.
13 - COL McDonald - Sp Asst to FAA Dep Dir for Dev & Equip
14-16 - COL Tow - Sys Dir Battle Fld Sys Integration, Dir HQ DARCOM
15 - BG Butler - Australian Army Attache, Army Rep, Wash, D.C.
16 - LTG Deers - U.S. Army Retired
20-22 - MG Chung - ROK Chief Trans officer
21-22 - COL Ledebuhr - Head LDR, Instructors Dept USMC
23 - BG Rodgers - Asst Commandant, USA Inf School, Ft Benning, GA

April

3- 4 - COL Shuffstall - PAO, Ft Benning, GA
4- 6 - BG Mashburn - Asst AG, Arkansas
RADM Jortberg - Dir, Naval Shore Act Planning Prog Ofc, CH, Naval Ops, Wash, D.C.
5- 6 - MG Lewis - Div Engr, Div N. Atlantic, NY, NY
6 - RADM Barth - Chief, Naval Air Trng, Corpus Christi, TX
6-17 - LTG Thurman - DCG USA TRADOC
9-10 - COL Hauser - CDR, USAR, Alexandria, VA
18-19 - BG Stroud - Louisiana NG
19-20 - BG Prillaman - DCG, USA Armor Ctr, Ft Knox, KY
20 - RADM Service - Dir, Avn Manpower Trng, Ofc Chief Naval Ops, Wash, D.C.
24-25 - COL(P) Kenyon - Dep Project Mgr, Black Hawk
26-27 - LTG Forrest - CG, 1st USA, Ft Meade, MD
Dr. Pierre - Asst Sec Army for Research Dev & Acq

May

1 - Honorable Mr. Clantor - Secretary of the Navy
1- 2 - Mr. Nelson - Asst Secretary of the Army
3- 4 - MG Mahaffey - Dir, Rqmts ODCSOP USA, Wash, D.C.
6- 7 - MG Brandenburg - CG, 101st ABN Div, Ft Campbell, KY

- 18 - BG Mapp - ADC, 1st Cav, Ft Hood, TX
- 16-17 - MG Stilson - CG, 3rd Support Cmd (Corps), APO NY 09575
- 16-18 - LTC Roeder - TRADOC LNO FRG
- 20-24 - LTC Vanveleck - TRADOC LNO to AVRADCOM
- 22-23 - BG Brook - CG, USA Trp Supt Agcy, Ft Lee, VA
- 25 - MG Hill - U.S. Army Retired
- 28-30 - MG Buechler - AG, Missouri NG
- 29- 1 - BG Louisell - ADC, 101st ABN Div, Ft Campbell, KY

June

- 4- 5 - BG Balantyne - ADC, 5th Inf Div, Ft Polk, LA
- 7- 8 - LTG McGiffert - Dir, Army Staff USA, Wash, D.C.
RADM Deckert - Cdr, Naval Air Div, Ger. Navy
- 11-12 - Mr. Lockerd - Dep for Test Resources OUSDRE
- 12-13 - LTC Lemm - CofS, Germ. Army Ofc, Fed Rep Germany
GEN Starry - CG, USA FORSCOM, Ft McPherson, GA
- 14-15 - BG Noah - Div Engr, USA Engr Div, Huntsville, AL
- 15 - MG Menetrey - CG, 49th Div Mech, Ft Carson, CO
- 18 - RADM Cooke - USMC
- 21-22 - MG McKinney - Asst AG, NC NG
- 22 - BG McNair - Dep Dir of Req & Army Avn Off, ODCSOPS, Wash, D.C.
- 25-27 - COL Patnode - PM TAOS/PNVS AVRADCOM, St Louis
- 26-27 - MG Ingram - AG, NC NG
- 28-29 - BG Elton - Dir, Officers Pers Mgt Direct, MILPERCEN

July

- 11-12 - MG Ulmer - Dir, Human Resources Dev ODCSPER, HQ DA
- 11-13 - MG Curry - CG, USA Test Eval Cmd, Aberdeen Proving Ground, MD
- 12-13 - Mrs. Carpenter - Dep Asst, Sec Equal Opp Ofc, Sec of Defense
- 17-18 - MG Hillsman - CG, USA Signal Ctr, Ft Gordon, GA
- 19 - CPT Takanawa - Eng Off, Avn School, Japan Forces, Rep Japan
- 19-20 - MG Rosenblum - Dep CofS Trng, USA TRADOC, Ft Monroe, VA
- 29 - Mr. Allen - Sp Asst, Mil Constr Sub Comm, House Appro Comm
- 30- 1 - COL Bills - CWO Div, MILPERCEN, Wash, D.C.
- 31 - CDR Vershey - CDR, Asst Attache to Royal Netherland Embassy
- 31- 1 - BG Ginn - 80th Div, Cdr HQ, USAR
- 31- 2 - MG Morgan - AG, Oklahoma NG

August

- 1- 2 - MAJ Dhaif Allah - Yemen Arab Rep, Air Force
- 7- 8 - MG Cobb - NG CDR, TRP CMD, AL NG
- 15 - MG Gray - USAF, CMTD USAF Air War College, Maxwell AFB, AL
- 16-17 - MG Lane - USAR Chief Periodontics, Ft Knox, KY
- 17 - MG Stevens - CG, AVRADCOM, St Louis, MO
- 21-22 - CPT Rockwell - Prospective Wing CDR
LTC Thomas - BN CDR, Ft McClellan, AL
- 23 - COL Valstar - RNLAf Attache to Royal Netherlands Embassy
- 23-24 - BG Woodmansee - ADCofS, Combat Dev, TRADOC
BG Connelly - DCG, USA Recruit Cmd, Ft Sheridan, IL
- 27-28 - MG Patterson - Dir, Battle Fld Sys Integration, HQ USA, Alex, VA
BG Suddath - ADC for Support, 82nd ABN Div, Ft Bragg, NC

September

- 6 - Senator Baker - U.S. Senator, Tennessee
- 6- 7 - COL(P) Rapmand - CDR, USA Medical R&D Command
- 7 - MG Wallace - CG, USA Readiness Region VII, 5th Army, Ft Sam Houston, TX
- 13-14 - MG Webb - HDCSPER USA Wash, D.C.
- 16-22 - LTC Garben - Div CH, German Avn Sec, German Army Ofc, Colone, Germany
LTC Balke - Div CH, German Army Avn School, Buckeberg, Germany
- 23-29 - MG Curry - CG, Test Eval Cmd, Aberdeen Proving Ground, MD
- 27-28 - LTG Forrester - CG, 6th Army, Presidio of S.F., CA
- 28 - BG Lavell - ADC, 20th Inf, PA NG

October

- 3- 4 - LTC Jernow - Swedish CH Investigator, BD of Accident, Sweden
- 8-11 - LTG Simmons - U.S. Army Retired
- 11 - COL Morgan - CH, Avn Board, OPMD, MILPERCEN
- 11-12 - MG Curry - CG, Test Eval Cmd, Aberdeen Proving Ground, MD
- 15-16 - ADM Long - CINCPAC
- 16-17 - COL Molsen - FRG LNO, TRADOC
- 22-23 - MG Patterson - Dir, Battle Fld Sys Integration, USA DARCOM
- 25-27 - MG Lynch - CG, USA Armor Ctr, Ft Knox, KY

November

- 1- 2 - COL Roberts - TRADOC Engr
- 9 - MG Brandenburg - CG, 101st ABN Div, Ft Campbell, KY
- 14-15 - MG Drori - Chief, Training, Israeli Def Forces
- 19 - Honorable Gibbs - Asst Sec of Army
- 26-27 - MG Patterson - Dir, Battle Fld Sys Integration, USA DARCOM
- 27-29 - MG Ianni - AG, Del
- 29 - LTG Richardson - CG, USA Combined Arms Ctr, Ft Leavenworth, KS
Congressman Dickinson - U.S. Representative from Alabama

December

- 3- 4 - LTC Ziele - Fed German Rep
- 6 - MG Tice - DASD OASD, Wash, D.C.
- 10-11 - BG Lutz - Dir Human Resources Dev, ODCSPER, USA, Wash, D.C.
- 12-13 - LTG Baer - DCG, Materiel Div, USA DARCOM, Alex, VA
- 13-14 - MG Bratton - Div Engr, USA Engr Div, Atlanta, GA
- 18-19 - MG Pertain - Dep CDR Gen, XVIII ABN Corps, Ft Bragg, NC

The following major events were hosted at Fort Rucker during 1979:

The 20th Anniversary of the Fort Rucker Chapter Retired Officers Association, 16 February 1979.

The National Security Industrial Association (NSIA) - Army Aviation/The New Force on the Battlefield - Symposium attended by 200 military and civilian representatives including two General Officers, 20-22 February 1979.

General Telephone Electronics board of directors and company officers meeting and tour of training facilities, 23 February 1979.

The ARCSA III Annual Review conducted by Organization and Force Development Division, Directorate of Combat Developments, 26 February 1979.

The 3rd Alabama District Dental Society composed of 60 civilian dentists, 8 March 1979.

The 1st Army Aviation Standardization Conference attended by 50 military representatives from active and reserve components, 9 March 1979.

Chaplains Conference attended by MG Kermit D. Johnson, Chief of Chaplains, USA, 13 March 1979.

The Spring 79 Foreign Military Attache Tour attended by 55 military and civilian representatives from 36 foreign countries and the United States, 20 April 1979.

83rd Arcom At in which four elements of the 83rd Arcom consisting of forty-eight officers and seventy-eight enlisted personnel participated, 9-23 May 1979.

United States Military Academy Summer Tour and Flight Training Program which 39 cadets successfully completed, 9 July - 3 August 1979.

The American Federation of Government Employees Tour attended by 40 representatives of the Alabama Convention, 13 July 1979.

The 18th Joint Services Aviation Safety Conference attended by 25 military and civilian representatives from the Department of Defense including six VIPs in the rank of General Officer or equivalent civilian grades, 28-30 August 1979.

The USAARL Program Review attended by 11 representatives including one General officer, 4-8 September 1979.

United States Army Aeromedical Center tour and briefings attended by 15 residents from the United States Air Force School of Aerospace Medicine, 25-26 October 1979.

The YCH-47D Acceptance Ceremony attended by LTG Robert J. Baer, DCG for Materiel Developments, DARCOM; Mr. Otis Smith, President, Boeing-Vertol Company; Mr. William P. Jones, Vice-President, Boeing-Vertol Company, and 80 military and civilian representatives from the Department of Defense and surrounding communities, 13 December 1979.

LIAISON OFFICE

MISSION:

The official function of a liaison officer is to ensure the exchange of military information between the countries concerned to the benefit of each.

Although exchange of military information is the primary official reason for the presence of these officers, they feel that there is a great deal more to it than that. In the long term the exchange of friendships, ideas, and knowledge of one another as individuals can make a far greater contribution to peace and the security of the free world than any military equipment.

PERSONNEL:

Major R. A. Hall, Canada
Colonel Claude F. Regis, France
Lieutenant Colonel Karl H. Roeper, Germany
Lieutenant Colonel Richard G. Eccles, Great Britain
Lieutenant Colonel Jack Enockson, US Marine Corps

HISTORY:

The Liaison Office at Fort Rucker was established in 1956 with the arrival of a Canadian officer under the Tripartite Standardization Program.

In 1957, a US Marine Corps liaison officer was assigned; in 1958 British and French officers were added; and in 1964, the first German liaison officer arrived.

EQUAL EMPLOYMENT OPPORTUNITY

MISSION:

Assists the Commander, through positive actions, establish a program that includes the opportunity for equal opportunity for all persons at Fort Rucker without regards to race, color, sex, religion, age, national origin or handicap.

PERSONNEL:

Mr. Milton P. Crenshaw serves as Equal Employment Opportunity Officer for 1979.

ACCOMPLISHMENTS:

The Matthews-Huntington, et. al., v. Alexander Consent Decree was signed and approved June 15, 1979. The first fiscal year reporting period designated by the provisions of the Matthews-Huntington Consent Decree ended on September 30, 1979.

The EEO Office provided a copy of the Constitution and By-Laws of the Speakers Bureau that was established under the guidelines provided in the Decree; also, a copy of the Constitution and By-Laws of the Fort Rucker Organization of Civilian Employees.

The Federal Women's Program Manager and Committee sponsored a Federal Women's Week, 26-31 August 1979 to identify unique problem areas and highlight the achievements and potentials of women.

The Hispanic Employment Program Manager assisted with the National Hispanic Heritage Week, 10-16 September 1979 to highlight achievements of Hispanic people.

A significant increase in the number of minority members presently working at the installation.

DIRECTORATE OF PERSONNEL AND COMMUNITY ACTIVITIES/SECRETARY

MISSION:

Directs the aspects of military personnel administration, management, general administration, morale and welfare activities, Army Community Services, military educational development, alcohol and drug abuse prevention and control, Human Relations Division, Organizational Effectiveness Division, and Recreation Services activities. Supervises officer and enlisted club system operations. Exercises direct supervision of the USAAVN Museum and the Adjutant General Division. Exercises administrative control of nonappropriated fund and private associations.

ORGANIZATION:

The Directorate of Personnel and Community Activities (DPCA) consists of the following subdivisions:

Personnel Services Division
Morale Support Fund
Education Branch
Fort Rucker, Dependent Schools
Post Exchange
Army Community Services
Installation Club System
Organizational Effectiveness Division
Adjutant General Division
Morale Support Activities Division
Alcohol/Drug Abuse Division
US Army Aviation Museum
Equal Opportunity Division
Office of Provost Marshal (Op control to Chief of Staff)

PERSONNEL:

COL Daniel B. Plyler served as director until 8 June 1979.

COL Joseph R. Koehler was assigned as director 27 June 1979.

LTC Charles R. Moore served as deputy director until 27 December 1979.

LTC W.F. Reilly was assigned as deputy director, reporting 27 December 1979.

PERSONNEL SERVICES DIVISION

MISSION:

Provides staff supervision on matters pertaining to morale; welfare; Army Community Services; wearing of the uniform; check-cashing program; salutes, honors, and visits of courtesy; leave, passes and holidays; fund-raising programs; Post Exchange activities; education of military personnel and dependents; nonappropriated fund and private organization activities; collateral investigations and flying evaluation boards.

ORGANIZATION:

Check Control Office
Morale Support Fund
Education Branch
Fort Rucker Dependents Schools
Army Community Services
Post Exchange

KEY PERSONNEL:

Chief, Personnel Services Division - LTC Alice J. Delgado

ACCOMPLISHMENTS:

The Check Control Office, with Management Information Systems Office (MISO) support, conceived an automated system for the production of statistical data concerning dishonored checks. This was accomplished in two phases. The first phase consisted of building a memory bank in the computer which was used to automatically produce the monthly suspended check cashing privilege list and supplements thereto. A monthly listing was also produced whereby bad check writers were listed by unit. The first phase was completed in August 1979. By the end of the year, the second phase was completed. This second phase consisted of building a complete memory bank of all individuals who had uttered dishonored checks on whom records were maintained in the Check Control Office. By drawing on this memory bank, the computer produced accurate statistical reports which enabled commanders to identify and analyze problem areas to assist them in their efforts to control bad check writing. Building the memory bank encompassed the initial transcribing of approximately 5,000 records into computer data. Coding actions are now accomplished at the time suspension actions occur, or upon receipt of dishonored check information. Some of the data that the reports indicate are as follows:

- Total number of dishonored checks, and amount, and how many have been redeemed, by month;
- Number of dishonored checks and amount, listed separately for each check cashing activity;
- Breakout of dishonored checks, by rank, of individuals who utter them;
- Breakout of dishonored checks, by rank, for each check cashing activity;
- Breakout of individuals who utter dishonored checks, by unit;
- Roster of individuals who have not made restitution for dishonored checks, showing total indebtedness;
- Listing, by social security number, of individuals who utter dishonored checks.

Extensive administrative requirements were placed on private organizations, based on new regulatory requirements. This resulted in the command having better control and awareness of all private organizations operating on the installation.

The newly established Officer Trust Review Committee identified several policies and practices that undermined officer integrity. As a result of the committee's efforts, the following policies were put into effect:

- a. Officers will no longer be required to have their weight or PT scores verified by enlisted personnel. Officers will report their own weight and PT scores as appropriate.
- b. Officers are no longer required to indicate in the remarks section (Item 30) DA Form 31, that they are not members of an investigation board/Court Martial Board prior to leave approval.
- c. Statements placed on the back of checks giving consent to face value plus service charges being deducted from pay need not be signed.

The 1979 Wiregrass Area Combined Federal Campaign, under the chairmanship of COL William K. Bedsole and CPT Christopher C. Pixton, Project Officer, reached 85% of their goal. The campaign raised \$137,823 of the \$160,500 goal. Although the goal was not met this year, the effort compared most favorably with other military installations the size of Fort Rucker.

MORALE SUPPORT FUND

MISSION:

Provides welfare, recreation, and morale activities support for the active duty and retired personnel in the Fort Rucker area.

KEY PERSONNEL:

CPT John R. Blalock, Custodian

Walter W. Nichols, Assistant Custodian

ACCOMPLISHMENTS:

Procurement activities of the Fort Rucker Morale Support Fund were consolidated with those of the Installation Club System.

The Child Care Program was instituted under the provisions of AR 608-1 and the Post Nursery was transferred from operational control of the Morale Support Fund to the Army Community Services.

The Pre-School Association was disestablished as a private association and reorganized as a recognized child care program under Army Community Services. Pre-School financial management became a function of Morale Support Fund with all teachers being NAF employees.

The Fort Rucker Wildlife Association (a membership NAFI) was disestablished and reorganized as a function of Outdoor Recreation Branch, Morale Support Activities Division.

Payment of all Morale Support Fund employees was transferred to a central NAF System at Red River Army Depot, from the Central Accounting Branch at Fort Rucker.

\$25,000 was provided to renovate buildings and other facilities associated with Lake Tholocco and Outdoor Recreation Branch, Morale Support Activities Division.

\$21,000 was provided to purchase ten additional golf carts.

\$5,000 was provided to purchase swim pool lounge furniture.

\$48,000 was provided for ball field lighting.

\$24,600 was provided to construct an auto paint booth.

\$24,000 was provided to resurface tennis courts.

\$15,000 was provided to purchase new snack bar equipment.

\$6,900 was provided to host Men's Volleyball trials.

\$30,000 was provided with year end funds (FY 78) to resurface eight bowling lanes with new epoxy surface, and was matched in FY 79 with \$48,000 to finish the remaining 12 lanes.

EDUCATION BRANCH

MISSION:

Provide civilian type education opportunities as directed by AR 621-5.

PERSONNEL:

Mr. William W. Smith, Education Services Officer

ACCOMPLISHMENTS:

Fifty individuals successfully completed GED equivalency examinations; 108 service members received associate degrees; 73 persons were awarded bachelor's degrees; and 40 individuals were awarded master's degrees.

Basic Skills Education Program (BSEP I) and II began during first quarter 1979.

Language laboratory equipment was installed during fourth quarter, 1979.

FORT RUCKER DEPENDENTS SCHOOLS

MISSION:

Provides free, public education to the dependent children of military personnel residing on Fort Rucker.

ORGANIZATION:

The Fort Rucker Dependents Schools district is organized in three divisions:

District Office	Mr. John S. Breads, Superintendent
Fort Rucker Elementary School	Mr. Clarence R. Jones, Principal
Fort Rucker Primary School	Mrs. Alice G. Suiter, Principal

ACCOMPLISHMENTS:

Carenn Nesbitt, sixth grade student, won Dale County Spelling Bee in March and participated in State Spelling Bee in April.

Shannon Cajandig, third grade student, represented Fort Rucker as Little Miss Fire Prevention.

Sixth grade glee club presented a musical, "Alice in Wonderland," to PTO assembly.

Sixth grade students began submitting informational articles to the Army Flier in September.

A Curriculum Fair which attracted one of the largest crowds in the schools' history was held at the Primary and Elementary Schools in September.

Students scored above national norms on the California Achievement Tests.

Students participated in special activities in observance of: Hispanic-American Week, Black Heritage Week, Asian-Pacific American Week, Dental Health Week, Fire Prevention Week and American Education Week.

A remediation program, where children who have missed instruction because of absence, moving, etc. are given intensive help to bring them back to proficiency, was implemented.

Completed review and revision of job descriptions and performance rating instruments for all employees.

A quarter of a million dollar project of roof repairs and waterproofing of walls was completed.

The School Board policy manual, GUIDELINES, was updated and revised.

ARMY COMMUNITY SERVICE

MISSION:

Provides information and referral services, assistance and guidance to military personnel and their dependents in meeting personal and family problems, and child care services.

PERSONNEL:

MAJ Joseph J. Rallo was assigned in October as Chief, Army Community Service, replacing LTC Robert S. Steen.

1LT Edward R. Hoffman was assigned in July as Army Emergency Relief Officer, replacing 1LT Isaac P. Austin.

SSG Ronald R. Dressler was assigned as NCOIC in November.

ACCOMPLISHMENTS:

Fort Rucker Army Community Service remained one of the largest ACS volunteer associations in the US Army with a monthly average of 140 adult volunteers and an additional 10 teenager volunteers. These volunteers worked 23,695 hours.

The Fort Rucker Army Community Service Volunteer Association sponsored 23 programs and committees.

The International Citizenship Committee assisted 35 persons in securing their citizenship through a nine-week class.

Army Emergency Relief provided assistance to servicemen and their dependents this year in the amount of \$72,912.29.

The Budget Counseling and Debt Reduction Program assisted in excess of 75 families of which 54 are still active. Total indebtedness managed exceeded \$303,000.

ACS through its Loan Closet, provided over 1,500 loans of household goods to servicemembers and their families.

One hundred and sixty-four food packets were provided to military families in emergency situations.

One hundred and ninety-four families were assisted with used clothing from the Clothing Hangar.

Child Support Services (Nursery, Preschool and Family Day Care):

The Preschool Association was brought under the operational control of Army Community Service when they were converted from a private association to a nonappropriated fund instrumentality. Full conversion was completed in August 1979.

AR 608-2, Family Day Care Homes, became effective 15 Aug 79. As a result, day care centers were established in family housing on-post.

POST EXCHANGE

MISSION:

Provides merchandise and services of necessity and convenience which are not furnished from appropriated funds to authorized patrons at uniformly low prices. Generates reasonable earnings to supplement appropriated funds for the support of Army and Air Force welfare and recreational programs.

PERSONNEL:

Mr. Edward H. Zierlein, Exchange Manager, was assigned to Fort Rucker on 8 January 1979.

Mr. Marion Black, Main Store Manager, was assigned to Fort Rucker Exchange on 11 November 1978.

Ms. Billie Woloscuk, Assistant Main Store Manager, was assigned to Fort Rucker Exchange on 7 July 1979.

Ms. Ginny Roethler, Four Seasons Manager, was assigned to Fort Rucker Exchange on 28 October 1978.

Mr. Scott Taylor, Service Station Manager, was assigned to Fort Rucker Exchange on 18 March 1978.

ACCOMPLISHMENTS:

Renovation and expansion of refrigeration units at Four Seasons to accommodate additional frozen food items approved by Department of Army was completed in September 1979.

Renovation of troop store, building 106, installation of equipment and opening of a new snack bar, called the Cue & Brew in same building was completed in March 1979. This new facility offers pool tables, amusement machines, and food items for the basic training area. The new fixtures, painting, and restocking of the troop store improved both appearance and service.

Change over of barber concessionaires included painting of the main barber shop and installation of new barber chairs and backbars by the new contractor in December 1979.

Post Engineers repaved the parking lot at building 106 and added a new parking lot at the rear, opposite the BOQ High Rise in August 1979. This relieves traffic congestion and improves customer convenience for all facilities located in this high traffic area.

A Post Exchange Customer Council was reactivated at Fort Rucker on 5 November 1979, and is meeting on a regular basis. The purpose of the council is to improve the service the Exchange provides to the military personnel.

INSTALLATION CLUB SYSTEM

MISSION:

Advise the command group on matters pertaining to club activities. Coordinates and implements club procedures and policies for social and entertainment programs for members of the Club System. Provides daily operational management for the Officers', NCO, and Package Beverage Branch activities.

ORGANIZATION:

The Fort Rucker Installation Club System is composed of the following branches:

- Administrative Support Branch (Non-revenue producing)
- Package Beverage Branch (Revenue producing - non-membership)
- Officers' Club Branch (Revenue producing - membership)
- Noncommissioned Officers' Club Branch (Revenue producing - membership)

PERSONNEL:

The following personnel served throughout 1979:

- Mr. Joseph C. Wissell, Installation Club Manager
- Mr. Evan E. Smith, Jr., Fort Rucker Officers' Club Manager
- Mr. James C. Harrelson, Fort Rucker NCO Club Manager
- Mr. Stan Filipiak, Package Beverage Branch Manager

ACCOMPLISHMENTS:

The Fort Rucker Club System recorded an all time high of \$3.9 million in food and beverage sales for FY 79. The net income generated by the Officers' and NCO Clubs for FY 79 totaled \$219,953, an increase of \$12,853 from FY 78.

The Installation Club System received laudatory comments as a result of the TRADOC FY 79 General Inspection. The team recognized the club management, cleanliness of the facilities, property accountability, and control of bar operations as being outstanding.

The Installation Club System was commended for the over-all service/customer oriented atmosphere. The annual IG Inspection acknowledged this atmosphere throughout the entire System.

The Fort Rucker Officers's Club Branch redecoration program was completed during FY 79.

ORGANIZATIONAL EFFECTIVENESS DIVISION

MISSION:

Provides Fort Rucker with the capability of utilizing a systematic military application of selected management and behavioral science skills and methods to improve how the total organization functions to accomplish assigned missions and increase combat readiness. The organizational effectiveness capability is applicable to organizational processes and, when applied by a commander within an organization, is tailored to the unique needs of the organization and normally implemented with the assistance of an Organizational Effectiveness Staff Officer (OESO). Presents instruction on the role of the OESO in the programs of instruction presented by the USAAVNC. The OESO acts as a consultant in the design of the instructional system used to present OE instruction at USAAVNC.

ORGANIZATION:

OE Division consists of three officers and one noncommissioned officer authorized positions (Div Chief, 2-OESOs, 1-OENCO.)

KEY PERSONNEL:

Major Benny B. Walton, Div Chief, assigned Jan 79 - present.
Major James W. Carmack, OESO, assigned July 78 - July 79.
Major Eugene R. Heuschel, OESO, assigned May 78 - present.
SSG Norman Maurice, OENCO, assigned July 1979 - present.

ACCOMPLISHMENTS:

OE operations were conducted in 18 organizations. Length of the operations varied from six months to one year.

Seventy-six OE training workshops from two to eight hours in length were conducted in units during the implementation phase of OE operations.

The USAAVNC OESOs presented instruction on the role and functions of the OESO to the WOCD, WOAC, WOSC, and NCOES on a regularly scheduled basis.

Six, 40-hour Leadership and Management Development Courses were conducted.

General Organizational Questionnaire survey processing capability was established with MISO.

OE Key Managers Courses were conducted by TRADOC. COL Koehler, DPCA, attended the two-week course in October 1979.

MAJ Heuschel presented OE instruction to the Command and General Staff College, Fort Leavenworth, KS, 14-23 March 1979.

MAJ Walton attended the FORSCOM OE Conference at Atlanta, GA, 10-14 Sep 79.

ADJUTANT GENERAL DIVISION

MISSION:

Advises and assists the Director of Personnel and Community Activities on all personnel and administrative services matters.

ORGANIZATION:

The Adjutant General (AG) Division is organized into the following branches:

- Consolidated Military Personnel Activity (COMPACT)
- Administrative Services Branch
- Reenlistment Branch
- Retirement Services Branch

PERSONNEL:

LTC Paul R. Davidson became the Adjutant General in June 1979, replacing LTC J. E. Crouch.

ACCOMPLISHMENTS:

Proposed revision of the Fort Rucker Awards and Decorations Board was approved by the Chief of Staff for a six-month trial. The proposed revision changed the composition of the board from 14 members to 8, including the recorder (5 members in the grade of Colonel and the Center CSM and 1st Avn Bde CSM when recommendations pertaining to enlisted servicemembers are considered).

Commander, MILPERCEN, announced that the Army is increasing its training rate of warrant officer aviators. In recognition of this need, the Flight Aptitude Selection Test (FAST) score requirement was temporarily lowered from 300 to 270.

On 18 August 1979, the Retirement Services Branch conducted the installation's fifth annual Retiree Open House for the Army retired community within Fort Rucker's area of responsibility. Estimated overall attendance was 425 retirees and spouses or guests. In conjunction with the Open House, 425 persons attended an "Early Bird" social at the Officers Club on the preceding evening. This was the first time for an "Early Bird" get together. Fort Rucker's Commanding General, MG James H. Merryman, gave the welcoming address and briefed the attendees on the mission of the Army Aviation Center and its tenant activities. Acting as Master of Ceremonies was Fort Rucker's Adjutant General, LTC Paul R. Davidson. Key speakers were LTC Robert R. Kauffman, Chief, Retired Activities Division, The Adjutant General Center, Washington, DC and LTC (USA, Ret) William B. Monts, Jr., a member of Fort Rucker's Officer Retiree Council. Also participating in the Open House were representatives of the various post service facilities, the Veterans Administration, the Social Security Administration, and the Alabama Employment Service.

On 19 Oct 79, the USAAVNC Bulletin was reduced from three editions per week to one edition. By increasing the number printed to insure that every sponsor has access to a copy for his/her dependents, this new procedure has increased the readership of the Bulletin. An annual savings of \$4,239.00 will be realized.

On 17 Sep 79, a change was published to USAAVNC Reg 1-2, Staff Administrative Procedure and Correspondence Guide, which delegated authority for directors to sign "FOR THE COMMANDER" communications totally within the purview of their functional area. This new procedure has speeded up the dispatch of correspondence, prevented papers from inadvertently being disassembled while in message channels, and directors become more involved in the correspondence process.

A significant event took place on 15 Sep 79 for the officers of the United States Army. This was the date that the transition began from the Officer Evaluation Report (OER), DA Form 67-7 to the new OER, DA Form 67-8. The transition period was 15 September through 31 October 1979. HQDA estimated that 90% of all US Army officers would receive an OER during this period. At Fort Rucker, approximately 1,234 OERs were initiated. The OER Team began working on the transition period OERs on 22 August, and all were initiated and forwarded to the raters by 22 October 1979. The completed OERs for this installation were processed and forwarded to HQDA by 18 December 1979.

Mandatory Germany and Korea Orientations were originally given on an individual basis. Effective 1 Oct 79, orientations are given in groups of 50-100 twice a month. This new procedure has proven to be very effective.

DA Form 1746 (Housing), DA Form 2250 (Sponsor), and DA Form 2370 (Concurrent Travel) were consolidated into one function utilizing DA Form 4787 (Reassignment Processing). Effective date of this change was 1 October 1979. A new DA Form 3355, Promotion Point Worksheet, was revised effective 1 October 1979. USAAVNC Supplement 1 to AR 600-200 was revised 26 July 1979, implementing the Consolidated/Automated Promotion Standing List (CAPSL).

USAAVNC Reg 210-27 was revised to exempt certain individuals and units from overhead details/taskings and to appoint the Post CSM as the approving authority for all nonrecurring enlisted requirements.

Reenlistment Officer achieved 108% of TRADOC's First Term Reenlistment Goal and 92% of the Careerist Goal during 1979. During the first quarter of FY 80 (Oct-Dec 1979), Fort Rucker achieved 125% of TRADOC's First Term Goal and 113% of the Careerist Goal. An additional full-time reenlistment NCO was added to the TDA effective 1 September 1979.

The AG Transfer Point is a relatively small but very active facility which processes approximately 150 separations per month. In September 1979, renovation began on building 206 which will house the Transfer Point.

MORALE SUPPORT ACTIVITIES DIVISION

MISSION:

Increases 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.

ORGANIZATION:

- Arts and Crafts Branch
- Dependent Youth Activities Branch
- Library Branch
- Outdoor Recreation Branch
- Recreation Center Branch
- Sports and Athletic Training Branch
- Snack Bar Activities
- Administration and Supply Sections

PERSONNEL:

MAJ Michael W. Clowes replaced MAJ Thomas J. Smith as Morale Support Activities Officer on 12 October.

Mr. Lamar Caldwell replaced MAJ Clowes on 23 December. Mr. Caldwell returned from a two-year assignment in Korea on 28 January and assumed the Sports Director's duties.

Mr. Tye Adams, former Deputy Morale Support Activities Officer, replaced Mr. Caldwell as Sports Director on 23 December.

Mr. James Zapp, Outdoor Recreation Director, retired on 31 August. He was replaced by Mr. James Cullina who had been in Korea on a two-year assignment.

Mr. Dale Andrews, Crafts Director, departed for an assignment in Germany on 20 October. Mr. Joe Folsom was temporarily promoted to the position.

ACCOMPLISHMENTS:

Administration: Recreation Services Division was renamed Morale Support Activities Division in March.

Arts and Crafts Branch: Fort Rucker entered the 17th Interservice Photo Contest and became the recipient of the TRADOC Commander's Perpetual Award. This award is presented to the installation that earns the largest number of points for both the all Army and interservice levels of the

contest. In the local area arts and crafts competitions, Fort Rucker once again proved to be highly competitive. First, second, and third place, plus honorable mention awards, were won in both the Dale and Coffee County Arts Alliance Arts and Crafts Festival.

The contest for which Fort Rucker and the Arts and Crafts Branch received the most recognition was the 1979 Designer-Craftsman Contest. At the TRADOC level, out of the six contest events, Fort Rucker participants won a best of group, three first place, three second place, three third place, and five honorable mention awards. At the Army level, three first place, one second place, and one honorable mention awards were won. Because of its Army and TRADOC level performance in the contest, Fort Rucker was named the winning installation and will be presented the Command Arts and Crafts perpetual Award.

Sports and Athletic Training Branch: This installation was the host site for the TRADOC Women's and Men's Basketball Tournament, 11-16 March. Ten installations entered the tournament, with 202 participants. Fort Rucker also hosted the All Army Volleyball Trials during the month of May and the Annual Invitational Basketball Tournament, 14-16 December. Eight installations participated in the invitational tournament. Fort Rucker entered men's and women's teams in the TRADOC level basketball, softball, bowling, tennis, and golf tournaments, with the men's softball team and women's basketball team finishing second place.

The 1/4-mile track in back of the Physical Fitness Center was completely renovated during the year. The track was resurfaced, and a new drainage system and curbing were installed. A new soccer field, with lights, was constructed by the 46th Engineer Battalion.

Library Branch: The library came on-line with the OCLC for interlibrary loans and BRS for bibliographic research services and began participating in TRADOC's TRALINENT cataloging program. All three of these programs enable the library to receive computerized products and thereby increase and improve library patron services.

Recreation Center Branch: The various directed programs throughout the year included musical classes; photographic demonstrations; and competitive, community, and special interest activities, for a total of 890 programs. Highlights for the year included a Hawaiian luau, outdoor band concerts, a melodrama performance by a repertory theatre group, gospel festival, and an authentic music and dancing program of the Hispanic people.

Outdoor Recreation Branch: The Wildlife Association was dissolved and the activity came under the direction of Outdoor Recreation on 1 April. Extensive remodeling/renovation was accomplished in the clubhouse. The official opening of the complex was held on 22 September with all day festivities which included bass fishing, skeet shooting, boating, and archery. The camper rental facility, formerly located in building 3302, was moved to the complex in September. An Outdoor Recreation Advisory Council was established with the first meeting held on 31 May.

Golf Course: Extensive remodeling was accomplished at the Golf Course Clubhouse from 2 February through 11 April. The patio area was inclosed to house the Pro Shop; mirrors were installed on the walls of the lounge area; counters were renovated or constructed for the Pro Shop, and new carpet was installed in the Pro Shop and locker room areas. The new golf carts were acquired during the year and the Golf Course was beautified with new bushes and trees.

Several golf tournaments were conducted throughout the year, to include the Ladies Invitational, AUSA Annual Golf Tournament and the Fort Rucker Men's Club Championship.

Bowling Lanes: The resurfacing of twelve lanes with a permalene finish was completed in August. The project was funded by a nonappropriated fund grant.

Dependent Youth Activities Branch: The DYA boxing team won the Alabama State Golden Gloves and AAU team titles. The boxing program grew quantitatively and qualitatively. The team traveled throughout the southeast and were excellent ambassadors for the Fort Rucker military community. Four state Junior Golden Gloves Boxing Tournaments, as well as three other boxing events, were hosted by DYA Sports.

The Skating Rink Grand Opening ceremony was held on 23 March. A Roller Speed Team was formed during the year and is well equipped for competition.

DYA hosted the Senior Boys Post Season Double Elimination Basketball Tournament. Five teams participated with excellent success realized. Dependent youth also entered the TRADOC Free Throw; Punt, Pass and Kick; Junior Bowling; and Track and Field events.

The 1979 Dixie Debs World Series Softball Tournament was hosted by Fort Rucker in August with girls from six southeastern states participating. It was a rewarding experience and the post gave excellent support to the program. The Dixie Ponytails (girls 8-12) and Dixie Belles (girls 15 and under) participated in the state Fast Pitch Softball Tournament. The Dixie Debs hosted the World Series and were therefore afforded the opportunity to participate in a Fast Pitch World Series. The Ponytails received the Sportsmanship Award for their tournament and the Dixie Debs were runners-up for the Sportsmanship Award at the World Series level.

DYA franchises its baseball leagues with Dixie Baseball. The Dixie Youth (boys 12 and under), Dixie Boys (ages 13-14), and Dixie Majors (ages 15-18) participated in the Southeast Military District play held at Keesler Air Force Base, MS. A major league football team, representing Fort Rucker, also traveled to Keesler Air Force Base for competition.

Junior bowlers participated in the state tournament and had an extremely good showing. Excellent working relationships with Junior Bowlers have evolved.

The Frogs (DYA Swim Team) participated in 24 swim meets throughout the year.

The Shirt Shop was relocated from the Recreation Center to the DYA Youth Center, and bicycle rental was moved from Outdoor Recreation to DYA. This places the bicycles in a closer proximity to the users.

Participation increased at the Youth Center during the year. DYA has an active slate of teen officers who have assisted in enhancing the program.

ALCOHOL/DRUG ABUSE DIVISION

MISSION:

Directs and coordinates the Alcohol and Drug Control Program. Assists installation and unit commanders in conducting the prevention, identification, and rehabilitation functions of the program.

ORGANIZATION:

The Alcohol/Drug Abuse Division (ADA) was established at Fort Rucker in September 1971 as a section of the Human Relations Division. The ADAD became a separate operation under the Directorate, Personnel and Community Activities/Secretary in November 1973. The objectives of the division are: to prevent alcohol and other drug abuse, identify alcohol and other drug abusers as early as possible, restore both military and civilian employee alcohol and other drug abusers to effective duty or identify rehabilitation failures for separation from government service, and provide for program evaluation and research.

PERSONNEL:

CPT Lyle E. Forth assumed division chief responsibilities from MAJ Harry E. Potts on 10 June 1979.

Mr. Howard O'Neal (GS-12), Clinical Director, assumed duties on 5 November 1979.

Mr. Ronald Sorrells (GS-9), Civilian Program Coordinator (CPC), assumed duties on 8 January 1979.

ACCOMPLISHMENTS:

Mr. Sorrells, upon assuming duties as CPC, immediately began working with all civilian supervisors and giving instruction to all the directorates and division chiefs. These classes outlined the Army's policies and programs, whereby DA civilian employees could receive treatment for alcohol/drug problems.

In July 1979, the Employee Assistance program (EAP) was implemented. The EAP provides an added benefit in assisting the DA civilian supervisors. The EAP allows the supervisor to refer any DA civilian employee whose attendance, performance or behavior is beginning to deteriorate. The CPC

is responsible for the operation of the EAP. He screens/interviews the problem employee, determines the specific problem and subsequently refers the employee to the appropriate agency for assistance.

Conducted a study and made recommendations for changes to the Army's Alcohol Rehabilitation Program as it pertains to aviation personnel. After research and study of the current policies of the Army, Navy, Air Force and the Federal Aviation Administration, several recommendations were made for changes to the current policy. These changes allow some aviation personnel to receive alcohol rehabilitation without permanently affecting their status as aviators. These recommendations were forwarded to DA for inclusion in the new Army Regulation, and implementation is forthcoming.

US ARMY AVIATION MUSEUM

MISSION:

Collects, restores, preserves, and displays significant items in the field of aviation relating to the history of the US Army.

PERSONNEL:

LTC (Ret) Thomas J. Sabiston served as curator during 1979.

Mr. James G. Craig served as assistant curator during 1979.

ACCOMPLISHMENTS:

The museum had 80,131 visitors during 1979. A total of 155 groups, consisting of public school children, college students, high school and college ROTC, military and civilian VIPs, civic clubs, and other organizations, visited the museum on tours conducted by museum personnel.

Historical items donated or transferred to the museum during 1979 totaled 300, ranging from small personal items to complete aircraft. Some of the more notable items acquired were an XV-3 helicopter and a balloon from the US Air Force Academy.

The museum's L-4 airplane and the old hot air balloon for which a new envelope had been purchased were flown at the Army Museum Curators Conference at Fort Benning, GA, in October 1979.

The museum had a special exhibit of a moon rock and exhibit trailer from the Alabama Space & Rocket Center in Huntsville to commemorate the 10th anniversary of the Apollo 11 flight. The dates for this special exhibit were 8-28 October 1979.

Two museum aircraft have been put out for restoration. The L-1 is being restored by the Alabama Aviation & Technical College in Ozark, AL. The U-6(L-20) is being restored by the Okaloosa Walton County Junior College in Niceville, FL.

A number of items have been acquired from DPDO which are beneficial to museum use for storage of historical artifacts and exhibit support.

The museum collection now consists of 53 rotary wing aircraft, 38 fixed wing aircraft, and two lighter-than-air, along with hundreds of other items of Army aviation memorabilia valued at approximately \$60 million.

EQUAL OPPORTUNITY DIVISION

MISSION:

Assists the Commander in achieving racial harmony and equal opportunity through education, affirmative action, and implementation of special activities.

PERSONNEL:

1LT Gregory L. Hightower served as Chief of Human Relations Division until 3 May 1979. Major Harry E. Potts, Jr. became Chief of Human Relations Division on 4 May 1979.

Both SFC Gilbert Wells and SSG Elbert P. Green retired from the service in 1979.

ACCOMPLISHMENTS:

The title of the Division was changed from the Human Relations Division to the Equal Opportunity Division in December 1979.

The EO Division conducted four, two-week Installation Equal Opportunity Workshops. These workshops trained 80 personnel to become unit/activity discussion leaders or EO program managers. Personnel attending the Installation Equal Opportunity Workshops were not solely from the installation. The Army Recruiting sent six personnel to attend the workshops. These personnel came from as far away as South Dakota.

The EO Division staff presented 384 hours of EO briefings to new arrivals to Ft. Rucker and 498 hours were contributed to personal counseling.

The EO Division provided input to the Command Group in preparation for the visit of Ms. M. Kathleen Carpenter, Department Assistant Secretary of Defense, Equal Opportunity, during 12-13 July 1979. Ms. Carpenter was accompanied by Navy Captain Michael Marriot, Director of the Department of Defense Equal Opportunity Management Institute, Mr. Joseph S. Bennett, DCPD and EO, and MG James C. Smith, ODCSOPS.

The EO Division prepared two EO Pamphlets, USAAVNC Pam 600-1, entitled "EO is Your Business," written for the grades of E6 and above, and USAAVNC Pam 600-2, entitled, "Take Ten for Equal Opportunity," designed for the grades E5 and below.

The EO Division was a member of the command elements, which prepared the USAAVNC Human Relations and Assistance Program for students, USAAVNC Reg 600-3.

The EO Division devised a Human Relations Program which was included into the Aviation Maintenance Contract, requiring EO/HR actions on behalf of the contractor who received the contract.

During April through July 1979, the EO Division administered an EO survey to approximately 2,500 installation personnel representing the various units, directorates, and tenant activities stationed at Fort Rucker.

Results of the survey were delivered and briefed to each commander/director. The data, in turn, was used by cdrs/dirs in developing their respective activities' affirmative action plans.

Utilizing the results of the overall survey data, each activity unit affirmative action plan, and input from both Equal Opportunity Management Institute, and TRADOC's EO personnel, Fort Rucker prepared the Installation Affirmative Action Plan. The method used in preparing the Installation Affirmative Action Plan is considered unique, in that, the information for inclusion into the AAP flowed from the lower echelons to the top, rather than from the top to the bottom, thus giving a true picture of what the post personnel felt were the needs in an Installation AAP. The Installation AAP will be published in March 1980.

While conducting the EO survey, a separate questionnaire was included concerning the quality of service provided by the installation personnel/personal facilities on post. Results of this questionnaire were briefed to the Commander.

The EO Division provided major input in preparing for the various ethnic weeks during FY 79:

Black History Week	-	11-17 Feb 79.
Asian American Week	-	4-10 May 79.
Hispanic Heritage Week	-	16-23 Sep 79.

The EO Division provided EO training for the Corps of Engineers Division, Vicksburg, MS, which is within Ft. Rucker's area of responsibility.

The personnel of the EO Division have adopted a team concept in which teams are assigned to company level units and above. These teams assist individual units/commanders in their respective EO programs. This has also facilitated a good and constant rapport with individual unit/commanders and the EO Division.

DIO

MISSION:

Directs all activities of the logistics program (supply, aircraft quality assurance, procurement, services, plans and operations, transportation and maintenance) to include the management of facilities and material and other logistics aspects of actions which are involved in assuring the effective training of personnel. Evaluates industrial and commercial activities; monitors 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 logistical operations.

ORGANIZATION:

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

- Supply & Services Division
- Procurement Division
- Transportation Division
- Maintenance Division
- Aircraft Logistics Management Division (ALMD)

PERSONNEL:

Director of Industrial Operations - Colonel Harry G. Christopher.

The following military personnel assignments were made:

<u>Name</u>	<u>Position</u>	<u>Date</u>
LTC B. W. Addy	C, Sup/Svcs Div	- Jun 79
MAJ Richard O. Parham	C, Procurement Div	- Jun 79
MAJ Rudolph A. Noll	C, Plans Br	- Jul 79
MAJ Terry J. Coker	C, ALMD	- Jul 79
MAJ Thomas J. Smith	C, Shop Operations Br, Maint Div	- Jul 79
CPT(P) Marion D. Bennett	C, Svcs Br, Sup/ Svcs Div	- Oct 79

SUPPLY AND SERVICES DIVISION

ACCOMPLISHMENTS:

An annex to the Self Service Supply Center was constructed in June 1979 to store flammables and hazardous materials in compliance with safety and fire prevention standards.

Installation support was provided to US Army Reserve and National Guard units undergoing active duty training. During 1979, more than 9,300 reservists were accommodated utilizing 39 billets, five dining facilities, and 14 administrative buildings located on the Fort Rucker reservation.

A Contractor Operated Parts Store (COPARS) was officially opened on 1 November 1979. The facility provides commercial type automotive parts and related accessories to the various maintenance activities on Fort Rucker. This is among the first of its kind within the Department of the Army.

PROCUREMENT DIVISION

MISSION:

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

PERSONNEL:

Arrivals:

<u>Name</u>	<u>Position</u>	<u>Date of Arrival</u>
Richard O. Parham	Chief, Procurement Div	30 Jul 1979
Bobbie D. Erhardt	Clerk Stenographer	9 April 1979
Majerone Anderson	Clerk Typist	2 April 1979
Diane Boney	Clerk Typist	1 October 1979

Departures:

<u>Name</u>	<u>Position</u>	<u>Date of Departure</u>
Ralph S. Tomita	Chief, Procurement Div	29 July 1979
Francis C. Jones	Proc Clerk Typing	31 March 1979
Fran Davis	Clerk Stenographer	31 May 1979
Majerone Anderson	Clerk Typist	9 June 1979
Suzanne E. Brown	Clerk Typist	9 June 1979

ACCOMPLISHMENTS:

Training: Mandatory procurement training continues to receive emphasis with an overall 92.65% completion rate for all careerists and non-careerists. Completion percentages was not significantly increased due to revision of mandatory requirements. A total of 5 mandatory courses was completed. Individual development plan program was continued, and a total of 14 technical and professional courses were completed. Intern training continued to receive emphasis. Additionally, the Cooperative Education Program has continued with two potential interns receiving formal training. This program is designed for minority college students to gain experience in a procurement office and if selected, continue in the TRADOC procurement intern program.

Contract Planning Program (CPP): The CPP continued to be emphasized and improvements continue to be made. This comprehensive plan includes all known recurring service, construction, supply, education and purchase requirements. The construction "shelf project" programs which involves submission and processing of requirements awaiting administrative approvals, and "Subject to Availability of Funds (SAF)" programs were again effectively used. DFAE project priority list is also utilized to coordinate and plan workloads.

Automated System: A word processing system (Q-1) was procured. This system will improve management capability by providing timely and accurate data for review. More expedient processing of procurement documents will result. Improved procurement support is expected through utilization of this system.

Contractor Operated Parts Store (COPARS): A Contractor Operated Parts Store has been implemented which has provided increased overall efficiency for Fort Rucker. This system provides automotive spare parts at a central location on the installation in lieu of separately ordering items. The operation provides an expeditious method for obtaining repair parts and accessories for commercial designed vehicles and equipment.

Small Business Open House Days: A Small Business Open House was conducted 31 July 1979. Business firms from Alabama and Mississippi were represented by approximately 60 persons. These firms were provided assistance in "How To Do Business With The Government." Benefits received from the Open House were twofold:

- (1) A mutual understanding of contractor and Government procedures and problems; and
- (2) Addition of approximately 15 small business firms to our mailing list.

Purchase and Contract Workload:

Contract workload in FY 79 increased over FY 78. Increased use of requirements type contracts reduced several smaller requirements. However, an overall increase in contract administration and administrative processing time was required to issue delivery orders against requirements type contracts.

Purchasing workload increased 6.182% over FY 78. This is contributed to implementation of Standard Army Installation Level Supply System (SAILS). Additional administrative time is required to process each requirement due to the single line item nature of SAILS.

Procurement Regulation. The Procurement Instructions for Requiring Activities were revised to incorporate the vast changes implemented during FY 79. Instructions identify responsibilities and provide administrative policies and operating guidance governing the functions of requiring activities receiving procurement support.

Contract Administration: A Contracting Officer's Representative Videotaped (VTL) training program was implemented to insure that trained, knowledgeable people represent the Government in contract administration. This training program will benefit all personnel associated with contract administration functions.

TRANSPORTATION DIVISION

MISSION:

The Transportation Division supports Fort Rucker by arranging for the movement of PCS and TDY personnel, personal property and freight shipments and by providing a fleet of administrative-use vehicles to units and activities assigned and tenanted on Fort Rucker as well as USAR and ROTC units in southern Alabama and southern Mississippi.

PERSONNEL:

Mr. Virgil Waddell retired in January 1979 as Foreman of the Installation Central Receiving point. This point was filled the following May by Mr. Sam Hall.

November of this year also marked the retirement of Mr. Ewell Phillips, Foreman of the Transportation Motor Pool, Maintenance Section.

ACCOMPLISHMENTS:

In November 1979 the Passenger Travel Section and the Personal Property Section were relocated from the second floor to the first floor of bldgs 618 and 617 respectively. New carpeting and acoustical panels were installed in the new locations to provide a more pleasing customer service area.

The Scheduled Airline Ticket Office (SATO), responsible for providing reservation and ticketing service for both official and private travelers, became automated in April 1979. SATO personnel now have available commuter terminals linked to the Delta Airlines reservation center. This equipment provides a faster response to the customers for both reservations and tickets.

MAINTENANCE DIVISION

MISSION:

Serves as installation support maintenance manager. Advises the Director, Industrial Operations, on matters pertaining to the Maintenance Division. Performs long and short range planning of assigned workloads. Acts as COR for the purpose of inspecting and accepting services. Exercises direct supervision of direct/general support maintenance of all material in satellited activities to include USAR, ROTC, and active Army units in southern Mississippi, south Alabama, and northwest Florida. Determines the effectiveness and adequacy of organization maintenance performed on Army equipment in the possession of troops.

PERSONNEL:

LTC James O. Poulnot served as Chief during 1979.

ACCOMPLISHMENTS:

Shop Operations of the Maintenance Division were reorganized to further improve the efficiency and management of maintenance support. The change established a Shop Operations Branch with responsibility over various work sites. The work sites identified as branches were reduced to sections. The reorganization resulted from TRADOC Manpower Survey and was in accordance with the DA Staffing Guide for US Army Garrisons. No personnel authorizations were lost or gained.

Another accomplishment was made in the division to improve maintenance support of locks. The locksmith responsibility was added to the machinist functions with Quality Assurance keeping the inspection function as well as providing lock repair when required.

The division has administered a substantial increase in maintenance contracts over previous years. In FY 79 the total number of annual and one time contracts amounted to 510 compared to 331 in FY 78. Current trend indicates the FY 80 figure will be much greater than the FY 79 figure. Most of the contracts are in support of office and electronic equipment.

The Clothing Alteration Section changed from an in-house maintenance activity to a contract operation on 28 March 1979, involving \$44,049.00. Civilian contractor, Broad Avenue Laundry and Tailoring, was awarded the contract for one year, and the same support was provided to service members as previously furnished. The contractor also provides services to organizational activities requiring items to be repaired or stamped.

Several accomplishments took place in the Flight Simulator Maintenance Section and they are listed below.

1. Maintenance responsibility for all flight training devices at Fort Rucker, except those fabricated locally, were assumed by Maintenance Division.
2. The UA60A (Black Hawk) engine trainer (2A70) and the Black Hawk systems trainer (2A73) were received by Fort Rucker, and maintenance responsibility was assumed by the Maintenance Division.
3. The Simulator Maintenance personnel participated in the in-house acceptance of the Black Hawk simulator.
4. Operations and maintenance contract responsibility for the Cobra simulator were assumed by Fort Rucker.
5. A UH-1 Flight Simulator was received from Fort Eustis and installed at Fort Rucker.
6. A new communications system and two video mappers were installed in the Radar Simulator Area, and maintenance responsibility was assumed by the Maintenance Division.
7. A portable communications landing center was received by Fort Rucker and has been installed at the Wolf Pit Tactical Landing Strip with maintenance responsibility being with the Maintenance Division.
8. Two communication center vans were received for aircraft control and were positioned at Tank Hill. The Maintenance Division has maintenance responsibility for the vans.

AIRCRAFT LOGISTICS MANAGEMENT DIVISION

Relocation of contractor central receiving function to a building adjacent to the Post Central Receiving Point improved the timely receipt of property by the contractor.

Updated contractor avionics work area by installing new electrical work tables in the mainside maintenance shops and field locations.

Receipt and utilization of two each electrical 4-wheel utility carts to handle supply items in warehouse, building 415, improved ease of handling and safety in movement of items.

Receipt and utilization of two each armament handling lift trucks for handling aircraft ordnance. These items were previously moved and lifted by hand.

Logistical support established for 7 each UH-60 Black Hawk aircraft to include coordination with vendors.

Field modifications and evaluations continue in order to provide an aircraft compatible with AN/PVS Night Vision Goggles and Night NOE training. In conjunction with US Army Troop Support and Aviation Readiness Command, Modification Instruction for Night Hawk/Night Vision Goggles (NH/NVG) Training Compatibility for UH-1D/H helicopters (MWO 55-1520-30-57) was completed on 1 October 1979. Evaluation of OH-58 NH/NVG Aircraft Modifications will be finalized in early 1980.

Evaluation continues in conjunction with the US Army Air Mobility Research and Development Laboratory, Ft. Eustis, VA, of the Structural Integrity Recording System (SIRS). All BB433/A NICAD batteries utilized in the UH-1H aircraft that were modified to use permion cells in lieu of cellophane coated cells have been further modified to improve reliability. The standard 19-cell cellophane (BB-600/A) was converted to the 20-cell (BB-600A/A) permion (MS-73-073P). These 20-cell configurations are for use at Ft. Rucker "only." This is the beginning of a full scale operation with 20-cell NICAD batteries, and the information obtained here should prove invaluable if the concept is to be extended to other locations.

Two-hundred thirty of assigned UH-1 aircraft have been modified with the newly designed and improved engine to transmission Kaflex main drive shaft. This improved main drive shaft reduces maintenance requirements and enhances safety. Monitoring modifications and testing continues for the Oil Debris and Filtration Program for UH-1/AH-1 aircraft. Tests are being conducted in conjunction with the US Army Air Mobility Research and Development Laboratory, Ft Eustis, VA., for the purpose of determining if better filtration of lubricants will extend service life of engine, transmission, and gearbox oil wetted components. Thirty-six aircraft are modified for this test program.

Authority was granted by TSARCOM for Ft. Rucker to extend the time between overhaul (TBO) of T-53 engines to 3,000 hours in 1978. As a result of this extension in conjunction with TSARCOM, Corpus Christi Army Depot and Fort Rucker, the TBO of T-53 engines has been lifted and the T-53 engine now is a condition item Army-wide. The dollar savings in logistics alone is astronomical.

The Aircraft Logistics Management Division coordinated the transfer of 120 aircraft onto and away from Ft. Rucker during the calendar year. These transfers include aircraft reassignments to depots 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 US Army Aviation Center inventory occurred during 1979.

<u>Aircraft</u>	<u>Assigned 20 Dec 78</u>	<u>Assigned 28 Dec 79</u>	<u>Change</u>
U-21	3	4	+ 1
OV-1	7	5	- 2
T-42	11	11	0
CH-47	13	11	- 2
UH-1M	5	5	0
UH-1H	195	248	+53
CH-54	1	0	- 1
OH-58	20	36	+16
TH-55	143	143	0
AH-1G	0	1	+ 1
UH-60		6	+ 6
TH-1G	17	15	- 2
AH-1S	<u>6</u>	<u>8</u>	<u>+ 2</u>
	421	493	+72

DIRECTORATE OF FACILITIES ENGINEERING

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; centralized management and administration of installation housing program. Monitors all aspects of the National Environmental Policy Act and other Federal environmental laws, executive orders, and regulations concerning environmental quality as pertains to Fort Rucker.

ORGANIZATION:

The Directorate of Facilities Engineering (DFAE) is composed of nine functional elements:

Administrative Office

Engineering Plans and Services Division

Environmental Office

Engineering Resources Management Division

Supply-Storage Division

Buildings and Grounds Division

Fire Prevention and Protection Division

Utilities Division

Housing Division

PERSONNEL:

LTC Daniel G. Barney, Director

Mr. Frank O. White, Deputy Director

MAJ Johnny S. Halburnt, Operations Officer

DEPARTED KEY PERSONNEL:

LTC Jasper K. Champion, Director

LTC Eugene P. Malkoff, Operations Officer

ENVIRONMENTAL OFFICE

PERSONNEL:

Henry Dowling, Chief

DEPARTED KEY PERSONNEL:

Thomas M. McLaney, Chief

ACCOMPLISHMENTS:

The noise survey conducted by the Construction Engineering Research Lab (CERL) is finished and the results are in draft form. The study will show the noise impact of Fort Rucker's training.

All air and water pollution sources at Fort Rucker have been identified and construction for abatement has been programmed. Water treatment projects for two USAR Centers have been added. Two projects for the proper storage and mixing of pesticides and herbicides have been identified and programmed for FY 80 OMA.

An application for the renewal of the permit for water discharges at Fort Rucker was submitted. A Compliance Agreement was requested for water discharges at reserve centers in Alabama and Mississippi. This agreement will assure the construction of water pollution control equipment within a definite time frame. Both the permit and part of the Compliance Agreement are being processed by the Alabama Water Improvement Commission; the Mississippi Air and Water Pollution Control Commission is processing the remainder of the Compliance Agreement involving reserve centers in Mississippi.

This office assisted the US Army Environmental Hygiene Agency in an air pollution survey at the installation. The results have been published. The USAAVNC Spill Plan for spill prevention and clean up of oil or toxic/hazardous substances was updated.

Additional explanation was added to parts of the draft Fort Rucker On-Going Mission Environmental Impact Statements (EIS). Now HQDA will submit the draft EIS to the US Environmental Protection Agency for their review. The mobile sewage bypass pump was used more than once in 1979 by DFAE and proved quite useful in minimizing the occasional discharge of raw sewage.

ENGINEERING, PLANS AND SERVICES DIVISION

PERSONNEL:

Julian F. Botts, Division Chief

Mike McLaney, Engineer Services Branch Chief

Larry Herbst, Master Planner

Elizabeth Wilkinson, Coordinator of activities for the division

DEPARTED KEY PERSONNEL:

Henry Dowling, Construction Branch Chief

ACCOMPLISHMENTS:

Contract for the construction of a new Flight Simulator Building was completed in August 1979 at a cost of \$1,280,000.

An Aeromedical Research Facility was begun in May 1978 and is expected to be completed in September 1980 at a cost of \$7,116,000.

A project for an Energy Monitoring and Control System was begun in November 1979 with construction scheduled for completion in August 1980 at a cost of \$1,040,000.

A minor MCA project for construction of a new 1,000-gallon-per-minute water well was begun in February 1979 and completed in September 1979 at a cost of \$374,000.

Three minor MCAR Projects to expand Organizational Maintenance Shops at Enterprise and Troy, Alabama, and Hattiesburg, Mississippi were begun in October 1979 and are expected to be completed in May 1980 at a cost of \$291,000.

During the period 1 January through 31 December 1979, 101 minor construction and maintenance/repair contracts, costing \$4,147,796, were completed.

These are further enumerated as follows:

<u>Type</u>	<u>Number</u>	<u>Cost</u>
OMA	68	\$3,314,068
USAR	7	179,214
Class II	4	143,715
Family Housing	22	<u>510,799</u>
		<u>\$4,147,796</u>

Construction was a major activity at Fort Rucker in 1979. There was a total of \$10,101,000 in MCA construction underway in 1979, and 101 OMA and minor construction projects completed at a cost of \$4,147,796, for a grand total of \$14,248,795.

ENGINEERING RESOURCES MANAGEMENT DIVISION

PERSONNEL:

Bobby H. Skipper, Division Chief

James C. Rhoades, Chief, Management Engineering and Systems Branch

James B. Starling, Chief, Estimating and Facility Inspection Branch

Freddie W. Ethridge, Program Analyst

ACCOMPLISHMENTS:

The Integrated Facilities System was implemented. Cutover from the work management system to the automated system (IFS) was accomplished during the month of June 1979.

SUPPLY-STORAGE DIVISION

PERSONNEL:

William P. Treadaway, Division Chief

DEPARTED KEY PERSONNEL:

Mildred L. Matthews, Property Book Officer

ACCOMPLISHMENTS:

The Supply and Storage Division purchased through the Army stock fund a total of \$1,947,752. Sales to our customers amounted to \$1,893,391. The stockage items were maintained at a 95% on hand balance. During this period the SAILS-PLUS systems interfaced with IFS.

BUILDINGS AND GROUNDS DIVISION

PERSONNEL:

T. K. Brantley, Chief, Buildings and Grounds Division

Gaston J. Hornsby, Chief, Buildings and Structures Branch

Robert H. Bridges, Jr., Chief, Land Management Branch

Millard A. Powell, Chief, Roads and Railroads Branch

ACCOMPLISHMENTS:

Resurfacing of asphaltic concrete surfaces was accomplished at Longstreet, Goldberg, Hunt, and Skelly (R/W3) Stagefields, and on northbound ramp from 3rd Avenue to Andrews Avenue - total resurfacing cost \$538,896.44.

Wooden bridge across Harrant Creek on Lowe Field Road was replaced with precast concrete structure on steel piling. Water channel upstream of bridge was realigned. Project cost \$116,959.

Accomplishments in the Fish and Wildlife area were: Planted 94 acres of corn at 32 separate fields. Planted 45 acres of winter wheat at 25 fields. Planted 35 acres of millet at 15 separate fields. Planted 40 new bi-color fields, approximately 2 yards x 40 yards. Mowed, limed, and fertilized 75 old bi-color fields. Stocked Beaver Lake with 10,000 6-8" catfish. Fed catfish at Beaver Lake on continuous basis. Placed channel markers in Lake Tholocco to make Claybank Creek channel at distance of one mile. Placed 140 deer salt blocks. Stocked Buckhorn Lake with 200 fingerling bass. Placed structure trees in Ech Lake. Prescribed burned 800 acres around cornfields in support of wildlife.

Forestry activities continued to emphasize timber salvage. This included secondary salvage following Hurricane Eloise. Six million, one hundred, and fifty thousand board feet of sawtimber and 2,428 cords of pulpwood were harvested, totaling \$676,538 received for forest products.

A shrubbery contract and a self-help fertilizer program were administered for the family housing area. A fertilizer contract was administered in the cantonment area and golf course. Extensive grass cutting contracts were administered for the airfields, family housing and cantonment areas.

Hurricane Frederic caused minor damage to USAR Center at Mobile, Alabama. Repairs to roof amounted to \$8,600.

FIRE PREVENTION AND PROTECTION

PERSONNEL:

Jerry B. Grammont, Fire Chief

Richard G. Day, Assistant Chief

Norman D. Walden, Assistant Chief

James R. Bush, Assistant Chief

Miller Coleman, Assistant Chief

Marion M. Spivey, Senior Station Chief

Gerald M. Bottoms, Senior Station Chief

ACCOMPLISHMENTS:

The Fort Rucker Fire Department conducted 5,949 on-post fire inspections during 1979. The Fire Department responded to four mutual aid responses at the request of Enterprise and Daleville (an increase of one from last year).

During 1979, there were 7,811 personnel who attended 117 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.

Twenty-two fires occurred during 1979. Army dollar loss resulting from these fires amounted to \$35,885 (an increase of \$15,879 over last year). Eight fires (five structural, one woods, one tent, one military bus) were reported to higher headquarters.

In February 1978 the US Army adopted a family of new firefighting vehicles to replace the existing stock items. The military Class 530 series is being phased out. Fort Rucker currently has on order all new fire trucks authorized and should start receiving these vehicles in FY 1982.

Commercial FM type radios were ordered and received to replace the tactical radios currently used on the stagefields. The new radios are all on the same frequency and will be constantly monitored in the alarm communications center located in the main fire station. The new system keeps the Fire Chief informed on all activities in the fire department, and gives him the control of all equipment and personnel during emergencies.

UTILITIES DIVISION

PERSONNEL:

Joseph B. Hayes, Division Chief

Imogene S. Driggers, Utilities Sales officer

Willie G. McKnight, Electrical Branch Supervisor

Robert Wynn, Mechanical Branch Supervisor

John P. Ard, Sanitation Branch Supervisor

ACCOMPLISHMENTS:

A new 1,000 GPM water well was constructed during FY 79, and was placed on line during September 1979. This additional well greatly improves the potable water posture at Fort Rucker, but shortages could still occur during a dry period unless conservation methods are enacted. Another well is being designed for construction at Cairns AAF, and upon its completion, adequate water should be available upon demand.

The computerized Energy Monitoring and Control System contract was awarded and construction started during FY 79. This system cost in excess of \$1,000,000, but this cost will be self-liquidating through savings in energy usage and manpower requirements. The EMCS has tremendous potential for improving preventive maintenance programs as well as reducing energy usage.

A Master Energy Plan has been developed for this installation by Black and Veach, Consulting Engineers. A number of energy conservation projects are being developed as a result of this study, and the EMCS is the first to be implemented.

HOUSING DIVISION

MISSION:

Provides centralized management of all housing functions of the installation to include housing requirements, programing, budgeting, and assignments and off post referral services; billeting functions pertaining to the assignment of all quarters and maintenance of furniture and furnishing property books for family housing, bachelor housing, and troop barracks.

ORGANIZATION:

The Housing Division is responsible for all installation housing functions under the Directorate of Facilities Engineering (DFAE).

Housing Division is composed of three banches:

Family Housing Branch

Furnishings Management Branch

Billeting Branch

PERSONNEL:

Authorized personnel strengths were 10 military, 20 appropriated fund, and 47 nonappropriated fund civilian personnel during the year. Key personnel and assignment dates are as follows:

<u>Position</u>	<u>Name</u>	<u>Date</u>
Chief, Housing Division	Mrs. Myree P. Horne	Dec 78
Chief, Family Housing Branch	MAJ Shaun R. Casey	Oct 79
Chief, Furnishings Mgt Branch	Mr. James R. Smith	May 72
Chief, Billeting Branch	CPT Richard J. Cirello	May 79

DEPARTED KEY PERSONNEL:

Chief, Billeting Branch	1LT Douglas A. Thorpe	May 79
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FAMILY HOUSING

MISSION:

Determines current and long-range family housing requirements and develops programs for construction, operations, and maintenance to include services, utilities, maintenance, repair, and incidental improvements. Reviews preventive maintenance program, and conducts review and analysis of family housing costs. Monitors the self-help program. Maintains inventory of Government controlled quarters rental property serving family housing only. Provides off post referral and placement services for family and bachelor housing; conducts housing surveys; maintains liaison with local community and realtors to determine extent of community housing support; and counsels individuals on off post living. Interviews personnel, determines eligibility and order of priority for occupancy; maintains priority listing, and roster of anticipated vacancies; provides technical assistance in individual lease transactions. Mediates tenant/landlord complaints. Assigns and terminates occupancy in family housing and Government owned trailer spaces in trailer parks. Maintains an inventory of family housing dwelling units, utilization records, and prepares reports. Performs assignment inspections with incoming occupants, pretermination inspections, termination inspections with outgoing occupants, and inspects and verifies completion of work requirements.

ORGANIZATION:

The Family Housing Branch is composed of four major sections:

- Management and Administration
- Assignment, Termination and Inspection
- Housing Referral (HRO)
- Facilities

PERSONNEL:

Authorized 13 civilian personnel. Three of those spaces remained unfilled during 1979 and were augmented by military special duty periodically during the year.

ACCOMPLISHMENTS:

During 1979, the Family Housing Branch terminated and assigned 2,018 sets of quarters, a 1% increase over 1978 (and an increase of 5.5% since 1977). This represents a turnover rate of 66.8% during 1979.

Average occupancy rate for all family housing units for the year was 99.32%.

Of 2,791 persons eligible for off post housing assistance (up 297 from the previous year), 1,936 requested assistance, and 1,542 were housed as a result of HRO assistance. Approximately 694 additional bachelor personnel were processed.

The Housing Referral Office listed 212 off post housing units as being available for sale or rental on a nondiscriminatory basis. Total HRO listings consist of 6,866 units, an increase of 2,983 listings during 1979.

There were no reallocation actions taken during 1979.

Substandard Quarters, Lake Lots Nos. 1 thru 6, continued to be held in an inactive status pending DOD decision on their disposition.

A requirements type contract was awarded in Mar 79 for exterior painting and replacing deteriorated wood in Allen Heights and Munson Heights (HAS 1, 2, 8 thru 12).

A contract was awarded in Feb 79 to replace deteriorated water heaters in Phase IV (HAS 1, 3 and 6).

A contract was awarded in Jan 79 for repairs to fire damaged unit, 12 Baker St.

A requirements type contract was awarded in Apr 79 for replacement of siding on gable ends in Bowden Terrace (HAS 3 and 7).

A contract was awarded in Oct 79 for installation of Government furnished dishwashers in HAS 1, 3 and 6. Upon completion of this contract all dwelling units will have dishwashers.

A requirements type contract was awarded in Sep 79 for exterior painting and replacing deteriorated wood in Bowden Terrace (HAS 3-7).

A contract was awarded in Jan 79 for replacement of shrubbery.

A requirements type contract was awarded in Feb 79 for interior painting, floor refinishing and replacement of folding doors in HAS 1-12.

A contract was awarded in May 79 for grass mowing.

BILLETING BRANCH

MISSION:

Assigns and terminates assignment of personnel in bachelor housing. Manages transient housing facilities to include VOQs/VEQs. Except for troop barracks, conducts pretermination, termination and assignment inspections, and verifies completion of work requirements. Except for troop barracks, counsels tenants on standards and policy, and acts as grievance arbiter concerning Government controlled housing project conditions. Maintains and analyzes inventory records and utilization data. Prepares reports and implements directives on the allocation and use of bachelor housing. Issues certificates of nonavailability of Government quarters. Collects service charges and maintains records for cost of laundering linens, maid service, and other services directly connected with the operation of bachelor accommodations and appropriated fund operated transient billets. Supervises janitorial, maid and linen exchange services, and performs other tasks related to quarters maintenance.

ORGANIZATION:

The Billeting Branch is composed of five major sections:

Management and Administration

Assignment and Termination

Accounting

Supply and Services

Housekeeping

PERSONNEL:

Authorized one military, two civilians (appropriated fund), and 46 nonappropriated fund civilians. The Branch was augmented with 10 special duty military, one worker-trainee, and two temporary hires.

ACCOMPLISHMENTS:

Implementation of AR 210-52, Transient Quarters, resulted in the diversion of 280 BOQ/SEBQ rooms to VOQ/VEQ facilities. This diversion left a balance of 260 BOQ and 40 SEBQ rooms for assignment to PCS bachelor and sponsor personnel.

Occupancy in the 260 BOQ, 40 SEBQ, and 280 transient quarters averaged 94%. This rate of occupancy is the result of extensive utilization programing and strict adherence to the directives regarding the issuance of certificate of nonavailability. Assignment policies have been closely monitored to insure maximum utilization under existing training loads and personnel input.

In addition to the permanent quarters shown above, the Billeting Branch had under its control 83 rooms in temporary buildings for permanently assigned/PCS student married but unaccompanied (geographical bachelor) personnel.

The Billeting Fund showed profits totaling \$61,218 for 1979. Increased occupancy rates of VOQ/VEQ account for the increased income.

Expenditures included the purchase of 45 vacuum cleaners, 640 pictures for redecoration of rooms, and 198 new beds for VOQ/VEQ.

FURNISHINGS MANAGEMENT BRANCH

MISSION:

Manages inventories of furniture and household equipment necessary to support family and bachelor housing quarters to include troop barracks. Plans and programs for the control, storage, handling, distribution, and maintenance and repair of the inventories. Determines requirements for replacement of unserviceable items and initial issue furnishings, supplies, and equipment. Establishes and maintains records of inventory, condition, and utilization of furnishings. Performs annual inventories and prepares reports for family and bachelor furnishings for submission to higher headquarters. Provides Program and Budget Office with necessary data for inclusion in FHMA and OMA budgets. Maintains property books for all housing furnishings.

ORGANIZATION:

The Furnishings Management Branch is composed of four sections:

Management and Administration

Property Book

Warehouse

Movement

PERSONNEL:

Authorized four military and three civilian personnel.

ACCOMPLISHMENTS:

Phaseout of unserviceable family housing furnishings continued during 1979.

A project to furnish a 4-cubic-foot refrigerator for each room in troop barracks began in 1979.

The policy requiring all furnishings to be picked up and returned to the FMO warehouse before a housing occupant can be cleared from quarters was continued during 1979.

The Command policy of allowing housing occupants to utilize their own refrigerators and to store Government refrigerators was begun in 1979.

DIRECTORATE OF RESOURCE MANAGEMENT

MISSION:

Serves as the commander's principal staff officer for overall financial management, manpower management, United States Army Aviation Center (USAAVNC) organization, and approved management programs. Plans, directs, and controls the programming and budgeting, force development 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 on student training and support systems as required. Provides input to higher headquarters regarding the Foreign Military Sales Program. Provides analyses of 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 Tables of Distribution and Allowances (TDAs)/Modification Tables of Organization and Equipment (MTOEs), in the review and assessment of current and future manpower and equipment utilization. Controls the civilian hire program. Directs and accomplishes Installation The Army Authorization Document System (ITAADS). Prepares and maintains the USAAVNC Organization and Functions Manual. Manages the US Army Training and Doctrine Command (TRADOC) Management Information System (TRAMIS). Serves as the Career Program Manager for the Comptroller and the Manpower Management Career Programs. Exercises direct supervision over budgeting and funding activities, cost analyses, financial services, accounting and disbursing internal review, automated data systems audit procedures, manpower and equipment activities, force structure management, statistical reporting, and management analyses. Exercises staff supervision over Nonappropriated Fund Central Accounting Branch (NAFCAB).

ORGANIZATION:

The Directorate of Resource Management (DRM) is organized into the following subdivisions:

- Administrative Office
- Force Development Division
- Management Analysis Division
- Internal Review Division
- Program and Budget Division
- Finance and Accounting Division

SIGNIFICANT EVENTS:

Personnel:

On 18 May 1979, Danny L. Wright, Deputy Director, was appointed by the Chief of Staff to serve as Chairman of the Negotiation Policy Committee representing management in regard to union contracts.

Employees appointed during 1979 to represent this directorate on the Federal Women's Program Committee were Ila Jean Newman, Carol W. Coe, Shirley H. Watford, Unita Dyess, Sara McGee, and Jewnita Clark.

Conferences, Seminars, and Training Courses Attended:

10-13 January: Colonel William F. Koehler, Howell L. Flowers, and Walter F. Akridge attended a coordinating conference on the Officers Personnel Management System (OPMS) 15 Career Training Program held at TRADOC, Fort Monroe, VA.

23-24 January: COL William F. Koehler, Howell L. Flowers, and Walter F. Akridge attended the Undergraduate Helicopter Pilot Training Consolidation Progress Review Conference at Department of Army, Washington, DC.

29 Apr-4 May: Danny L. Wright attended the Executive Development Group Training Seminar held in New Orleans, LA.

7-8 May: COL William F. Koehler attended the annual CACMIS/TRAMIS Management Conference held at Fort Leavenworth, KS.

21-24 May: Danny L. Wright attended the Labor Management Relations Course held at Dallas, TX.

25-27 Jun: COL William F. Koehler attended the TRADOC Review of Manpower Conference at Norfolk, VA, which established the FY 80/81 manpower requirements for USAAVNC and Fort Rucker.

23-26 Jul: Danny L. Wright attended the Labor Relations Course for Executives held at Baltimore, MD.

13 Aug: COL William F. Koehler attended the Executive Seminar on CITF Program Management held at Anniston Army Depot, AL.

19-25 Aug: Danny L. Wright, at the request of the TRADOC Comptroller Career Management Office, participated as a member of the 1979 TRADOC Comptroller Civilian Career Screening Panel.

16-19 Sep: COL William F. Koehler, accompanied by Force Development personnel, traveled to TRADOC, Fort Monroe, VA, to defend the USAAVNC FY 80 TDA update.

9-12 Oct: COL William F. Koehler represented the USAAVNC at the TRADOC Resource Management Course held at Fort Monroe, VA.

22-26 Oct: COL William F. Koehler, Howell L. Flowers, and George H. Broxson, Jr., attended the TRADOC CITA Conference held at Fort Monroe, VA.

Installation Accountant:

SAILS/Stock Fund/FIA was converted from the AB to ABX version on 1 March 1979 simultaneously with other installations.

21-25 May: Mr. Francis L. Schlager, Systems Accountant, attended Nonappropriated Fund Functional Training at the US Army Finance and Accounting Center.

12-15 Jun: Mr. Roy Locklar, Installation Accountant, and Mr. Frances L. Schlager, Systems Accountant, attended the TRADOC Accounting Policy and Systems Conference held at Hampton, VA.

20-21 Sep: Mr. Roy Locklar, Installation Accountant, attended the USAFAC STANFINS Redesign/VIABLE Workshop at Indianapolis, IN. STANFINS Redesign terminal requirements were developed after the workshop and furnished to USAFAC on 18 October 1979.

Cost Analysis:

ACCOMPLISHMENTS:

The cost analysis function provided to the USAAVNC Command Group and TRADOC expertise relative to the planning and developing of methods, systems, and actions which produced cost estimates for student training courses taught at the USAAVNC and the support systems utilized in USAAVNC training and resulted in the following:

Reports:

The FY 78 ATRM-54 and ATRM-159 reports were forwarded to TRADOC on 24 January 1979. These reports contain the data required by TRADOC to develop Cost Estimating Relationships and Manpower Estimating Relationships that are used for future budget and manpower validation at the USAAVNC.

The FY 78 AFCO-54 report was mailed to FORSCOM on 29 January 1979.

DRM, Cost Analysis, provided USAFAC/TRADOC the FY 79 Domestic Base Factors Report on 23 November 1979.

A new requirement, programing for new systems at the installation level, was completed and forwarded to TRADOC on 21 December 1979. This report requested all resource requirements for new systems that would be employed at the USAAVNC through FY 86.

Studies:

Evaluation of 175/40 IERW. The completed report for the 175/40 IERW Training Program was finalized March 1979.

Consolidation of Army and Navy Undergraduate Helicopter Pilot Training. During January 1979, the USAAVNC was tasked to participate with Navy officials in developing a joint consolidation plan for consolidating Army, Navy and Marine Corps undergraduate helicopter pilot training at Fort Rucker. Resource requirements for the USAAVNC were developed by DRM, Cost Analysis, and incorporated into the plan. The plan was forwarded to DA/TRADOC on 2 May 1979. Consolidation was disapproved by Congress in October 1979.

Consolidation of Helicopter Maintenance Training. With the consolidation of Army and Navy undergraduate helicopter pilot training at Fort Rucker appearing imminent, TRADOC asked USAAVNC and Fort Eustis to jointly develop a consolidation plan for relocating the 67N/V Helicopter Maintenance Training from Fort Rucker, AL, to Fort Eustis, VA. Plan was completed and forwarded to TRADOC on 5 June 1979. Since relocation of subject training was contingent upon Navy UHPT consolidation, no further action is contemplated.

SIGNIFICANT EVENTS:

PERSONNEL:

On 15 January 1979, MAJ M. Oberst was assigned as a Cost Analysis Staff Officer.

On 21 January 1979, James H. Woodard was reassigned from a TRADOC intern to a USAAVNC intern. Subsequently, on 29 April 1979, Mr. Woodard was promoted to Cost Analyst Journeyman GS-510-9.

From 14 May - 31 August 1979, MAJ Walter M. Oberst served on the Contract Evaluation Review Board which reviewed and evaluated contractor proposals for the Aircraft Maintenance Contract at the USAAVNC.

Conferences, Seminars, and Training Courses:

From 29 October - 7 December 1979, Walter E. Akridge, Cost Analyst, one of four USAAVNC personnel selected, attended the first Advanced Resource Management Course at Syracuse University, Syracuse, New York.

ACCOMPLISHMENTS:

Congressional Visits Monitored by Internal Review:

The Honorable Donald W. Stewart, US Senator, Alabama; Mr. Dan Dutko, Administrative Officer; LTC John Schroeder, Office of the Chief of Legislative Liaison; and LTC John (Jack) Spisak, Office of the Chief of Legislative Liaison, visited Fort Rucker on 12 February 1979. The general purpose of their visit was for Senator Stewart to receive an orientation on Army aviation.

The Honorable William L. Dickinson, US Congressman, Alabama, visited Fort Rucker on 2 March 1979. The general purposes of the visit were for Congressman Dickinson to receive an update on Army aviation and an update on the Military Construction Army (MCA) Program.

Mr. Richard Allen, Legislative Assistant to Senator Howell Heflin, US Senator, Alabama; Mr. Dave Stockman, member of Ad Hoc Committee for Senator Heflin; Mr. Sam McClurkin, Member of Ad Hoc Committee for Senator Heflin; and LTC John C. Campbell, Office of the Chief of Legislative Liaison, HQDA, visited Fort Rucker on 23 July 1979. The general purpose of the visit was for the staff members to receive a briefing on Army aviation.

Reviews, Surveys, and Visits by the United States General Accounting Office (USAGAO):

Telephone Inquiry RE: FY 77-78 BASOPS Budgets and BASOPS Contracts. The review was initiated and completed on 8 January 1979. A report was not issued to Fort Rucker.

Review of Management of DOD Rail Motor Power Inventory (Switching Locomotives) Assignment Code 943053. The review was initiated on 12 January 1979 and completed on 28 February 1979. A report was not issued to Fort Rucker.

Review of DOD's Proposal to Consolidate Navy's-Marine Corp's Helicopter Training without the Army's. The review was initiated on 26 March 1979 and completed on 14 August 1979. A copy of the report furnished congressional representatives was provided to Fort Rucker on 26 September 1979.

Study RE: Monthly Demand Satisfaction Statistics: The study was initiated on 2 August 1979 and completed on 12 August 1979. A report was not issued to Fort Rucker.

Study on Army Management of Inventories, Assignment Code 943060. The study was initiated on 20 August 1979 and completed on 23 August 1979. A report was not issued to Fort Rucker.

Review of SINGARS. The review was initiated on 7 September 1979 and completed on 9 November 1979. A report was not issued to Fort Rucker.

Audits Reviews and Visits by the Defense Audit Service (DAS):

Review of Aviator Inventory and Training Rates, Project No. 9FM-029.

The review was initiated on 18 January 1979 and completed on 1 March 1979. A report was not issued to Fort Rucker.

Review of Integrated Logistics System, Project No. 8SM-152. The review was initiated on 22 January 1979 and completed on 1 March 1979. A report was not issued to Fort Rucker.

Review of Aviation Safety Program. A review as initiated on 7 September 1979 and completed on 10 October 1979. A report was not issued to Fort Rucker.

Requirements for DOD Helicopter Program. Review was initiated on 10 October 1979 and completed on 23 October 1979. A report was not issued to Fort Rucker.

Reduction of Indirect Support Aircraft. The review was initiated on 29 October 1979 and completed on 5 November 1979. A report was not issued to Fort Rucker.

Audits, Reviews, and Visits by the Assistant Secretary of Defense (ASD):

Audit of Military Personnel Assigned to Morale, Welfare, and Recreational Activities (RCS: DD-M(OT) 7845). The audit was initiated on 11 April 1979 and completed on 29 April 1979. A report was not issued to Fort Rucker.

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

Audit of Advanced Scout Helicopter - Special Study Group. The audit was initiated on 5 July 1979 and completed on 29 July 1979. A copy of the reply sent to St Louis, MO, was furnished Fort Rucker on 15 July 1979.

Audit of Foreign Military Sales. The audit was initiated on 17 August 1979 and completed on 31 August 1979. A report was not issued to Fort Rucker.

Audit of the Finance and Accounting Office. The audit was initiated on 5 September 1979 and was still in progress on 31 December 1979.

Audit of Bulk POL. Audit was initiated on 24 September 1979 and was still in progress on 31 December 1979.

Audit of ASH Program. The audit was initiated on 9 October 1979 and completed on 19 October 1979. A report was not issued to Fort Rucker.

Audit of Synthetic Flight Training Systems Pre-Survey. The review was initiated on 26 November 1979 and was still in progress on 31 December 1979.

SIGNIFICANT EVENTS:

Personnel:

The Internal Review Division recruited through the Co-op Program one minority female who started to work on 10 December 1979 and one minority male scheduled to begin work on 7 January 1980.

Publications:

Kenneth D. Barrett, Don W. Phillips, and Woodrow J. Farrington jointly authored "The Ten Commandments of Internal Review" which was published in the February 1979 issue of the Newsgram/All Points Bulletin published by the Comptroller of the Army. I Am a NAFI Custodian, a publication used to assist the custodians of nonappropriated fund instrumentalities and private organizations on Fort Rucker, was prepared jointly by Kenneth D. Barrett, Woodrow J. Farrington, and John L. Kirk, Jr.

Conferences, Seminars, and Training Courses Attended:

On 3-14 January 1979, Larry H. Redden attended the Comptroller Intern Financial Management Course conducted at Fort Benjamin Harrison, IN.

On 8-19 January 1979, Luther W. Drennan, Jr., attended ADP for Auditor's Course conducted at Fort Lee, VA.

On 29 April - 4 May 1979, Kenneth D. Barrett attended Executive Development Training in New Orleans, LA.

On 25-29 June 1979, Kenneth E. Jackson attended the Logistics Management for Auditor's Course conducted at Fort Lee, Va.

On 9-13 July 1979, Don W. Phillips attended the Joint Senior Auditor School conducted at Atlanta, GA.

On 22-23 August 1979, Kenneth D. Barrett attended the Management by Objectives Course in Atlanta, GA.

On 29 September - 1 November 1979, John L. Kirk, Jr., attended the Military Accounting Course conducted at Fort Benjamin Harrison, IN.

On 13 October - 10 November 1979, Roy B. Ward attended the Program, Planning, and Budgeting Course conducted at Fort Benjamin Harrison, IN.

On 16-19 October 1979, Kenneth D. Barrett and Luther W. Drennan, Jr., attended the annual TRADOC Internal Review Conference at TRADOC.

On 28 October - 7 December 1979, Kenneth D. Barrett attended the Advanced Resource Management Course (ARMC-I) in Syracuse, NY.

PROGRAM AND BUDGET DIVISION

ACCOMPLISHMENTS:

Budget Execution Review (BER). In late February and March 1979, this office prepared and transmitted its FY 79 BER. Department of the Army did not require a BER for FY 79; however, a BER was required by HQ TRADOC. The BER is a major mid-year procedure used to adjust priorities, programs, and funds of major commands and installations. It is a means of insuring accomplishment toward goals and serves as vehicle for the improvement of the programing and budgeting process.

Command Operating Budget (COB). In April and May 1979, the Program and Budget Division developed and transmitted to major commands its FY 80 COB. The COB is a major comprehensive budget report prepared by installations and major commands and contains their detailed operating programs. The COB provides data to support the Army's apportionment requests and is the basis for developing annual funding programs.

Draft Installation Budget Contract. The FY 80 Draft Installation Budget Contract was transmitted to HQ TRADOC 31 October 1979 and considered a total OMA obligation authority of \$130,056,100. The contract is a mutual agreement between the Commander of TRADOC and each installation commander. The installation contract summarizes both funding and manpower resources with which the subordinate commander agrees to accomplish his stated workload for the fiscal year. The principal philosophy behind the contract concept is to have a mutual understanding of what is and is not to be accomplished with available resources.

FY 79 Budget Actions:

Austere funding conditions continued in effect throughout FY 79. Continuous efforts were expended to obtain necessary funds for support of FY 79 operations. FY 79 actual obligations were as follows:

<u>APPROPRIATION</u>	<u>AMOUNT</u>
OMA (TRADOC)	120,939,790
FHMA	3,043,598
RDTE	1,844,403
RPA	100,827
OMA (FORSCOM)	999,387
OMAR	1,228,177
OMARNG	59,402

FY 80 Budget Actions:

The TRADOC Installation Contract has not been signed (as of 31 December 1979). The purpose of the contract is to outline objectives to be accomplished within available resources. FY 80 resources made available by the Draft Installation Contract are:

<u>APPROPRIATION</u>	<u>TRADOC</u>	<u>FORSCOM*</u>
OMA	130,056,100	1,167,300
FHMA	2,731,600	-0-
OMAR	-0-	1,017,100
OMARNG	-0-	-0-
RPA	71,000	-0-
RDTE	1,279,100	-0-
ASF	43,586,000	-0-

*Contract not required by FORSCOM. Above figures were derived from Fund Authorization Documents (FADs).

The FY 80 training load furnished in the TRADOC Installation Contract is as follows:

	<u>US</u>	<u>NATO</u>	<u>FMS</u>	<u>IMET</u>	<u>TOTAL</u>
<u>FLIGHT</u>	(960)	(50)	(11)	(1)	(1,022)
Undergraduate	755	47	7	-0-	809
Graduate	205	3	4	1	213
<u>NONFLIGHT</u>					
TOTAL	1,072	-0-	1	3	1,076

The FY 80 COB furnished TRADOC and FORSCOM in May 1979 considered fund requirements for FY 80 as follows:

	<u>OMA FUND REQUIREMENTS</u>	<u>RPA FUND REQUIREMENTS</u>	<u>OMAR FUND REQUIREMENTS</u>	<u>FHMA FUND REQUIREMENTS</u>
TRADOC	\$143,414,600	\$108,000	-0-	\$3,039,500
FORSCOM	1,167,300	-0-	\$1,689,600	-0-

SIGNIFICANT EVENTS

Personnel:

On 23 March 1979, Jimmy R. Evans, Budget Analyst, accepted a budget analyst position with DCSRM, TRADOC, Fort Monroe, VA.

On 15 April 1979, Robert E. Dominey was assigned to the Program Budget Division as Budget Analyst, GS-11.

Conferences, Seminars, and Training Courses Attended:

On 8-12 January 1979, Billy L. Stanford attended the Budget Formulation Course, Atlanta, GA.

On 24-26 January 1979, Madge S. Jones attended the Zero Base Budgeting Workshop, Atlanta, GA.

On 24-26 January 1979, Gloria H. Harper attended the Zero Base Budgeting Workshop, Atlanta, GA.

On 28-30 March 1979, CPT Marc Snyder attended the Budget Estimating Techniques Course, Atlanta, GA.

On 16-18 April 1979, Bettie R. James attended the Budget Formulation Course, Atlanta, GA.

On 16-18 May 1979, Jerry M. Lindsey attended the Zero Base Budgeting Workshop, Atlanta, GA.

On 11-14 July 1979, Madge S. Jones attended the Stock Fund/Supply Management Seminar, Hampton, VA.

On 20 August - 14 September 1979, Robert E. Dominey attended the Planning, Programing, and Budgeting Systems Course, Fort Benjamin Harrison, IN.

On 22-24 August 1979, Lucille S. Aldridge attended the Zero Base Budgeting Workshop, Atlanta, GA.

On 23-26 October 1979, George H. Broxson, Jr., attended the Commercial Industrial Type Activity Conference, Fort Monroe, VA.

On 28 October - 7 December 1979, Jerry M. Lindsey attended the Advanced Resource Management Course, Syracuse University, Syracuse, NY.

On 3-7 December 1979, Lucille S. Aldridge attended the Middle Management Institute Course, Fort Rucker, AL.

On 11-13 December 1979, Gloria H. Harper, attended the FY 80 Foreign Military Training Conference, Fort Benning, GA.

FINANCE AND ACCOUNTING DIVISION

ACCOMPLISHMENTS:

The JUMPS-Army reject rate for 1979 averaged 1.22 percent per month. Late pay change input during the year averaged 8.9 percent of automated items input into the JUMPS-Army System. Late pay changes were computed on a base of 19,883 automated items out of 150,680 total pay changes input during the year.

A Class B Agent Office was operated at Camp Shelby, MS, during May and August 1979. During this time, payments in the amount of 6.1 million dollars were made to Army Reserve and National Guard personnel.

Christmas partial payments were made to 415 military personnel in the amount of \$75,869.

Disbursements of \$252,158,217.38 and collections of \$79,749,509.64 were made during 1979, for an average daily business of \$1,317,094.15.

The Finance and Accounting Division conducted a savings bond drive during June 1979.

Fiscal year closeout was accomplished in September/October 1979 with no difficulties encountered.

Average monthly workloads accomplished included 3,809 travel vouchers processed; 6,795 personal financial records maintained; 22,030 cash payments, collections, checks, and bonds; 7,064 commercial invoices processed; 2,699 civilian personnel paid; and 12,557 military pay changes.

During September and December, the US Army Audit Agency conducted an audit of Finance Operations within the FAO. Two findings were prepared, one concerning FAO cash and another concerning control of funds by Program Directors. Action has been initiated to correct these areas.

Total NAFCAB operating expenses averaged \$16,677 per month during 1979. Of this amount, \$12,916 was charged to participating funds.

SIGNIFICANT EVENTS:

On 1 June 1979, CPT Carlos C. Williams, Chief, Nonappropriated Fund Central Accounting Branch (NAFCAB), transferred to USAFAC, Indianapolis, IN.

On 1 June 1979, Floyd E. Rodgers was appointed as Chief, NAFCAB.

On 5 June 1979, CPT J. Kingsley Fink, Assistant Chief, Pay & Examination Branch, departed.

On 22 June 1979, Robert L. Bryan, Chief, Accounting Branch, Finance and Accounting Division, retired.

On 15 July 1979, 1LT Abraham Scott was assigned to the Finance and Accounting Division to the Chief, Pay and Examination Branch; and, subsequently, on 1 December 1979, was promoted to the grade of Captain.

On 31 August 1979, CPT Milton K. Allen, Assistant Finance and Accounting Officer, departed for USAFAC, Indianapolis, IN, to the Finance School.

On 1 October 1979, SGM Spurgeon Dennis, Chief, Finance Operations, Finance and Accounting Division, retired.

On 5 October 1979, SFC Robert G. Knight was assigned to the Finance and Accounting Division for the duty as the Chief, Finance Operations.

Conferences, Seminars, and Training Courses Attended:

On 8-12 January, SP5 Robert W. Holt, and SP5 Stevie Ethridge attended JUMPS-Army Management Training at Fort Benjamin Harrison, IN.

On 28 January - 5 February, SP4 Wanda Toombs attended the Primary Leadership Course at Fort Benning, GA.

On 8-10 February, CPT J. Kingsley Fink attended a Pre-Camp Conference at the University of Southern Mississippi, Hattiesburg, MS.

On 23-25 February 1979, MAJ Barry Poole and CPT J. Kingsley Fink attended a Pre-Camp Conference at Camp Shelby, MS.

On 25-29 February 1979, SSG Paul Bailey attended JUMPS-Army Management Training at Fort Benjamin Harrison, IN.

On 16-19 April 1979, William L. Peacock attended STARCIPS training at Fort Benjamin Harrison, IN.

On 20-22 April 1979, CPT Milton K. Allen attended a Pre-Camp Conference at Camp Shelby, MS.

On 2-4 May 1979, CPT Milton K. Allen and CPT J. Kingsley Fink attended a Pre-Camp conference at Camp Shelby, MS.

On 7-11 May 1979, SP5 Dale Phillips attended JUMPS-Army Management Training at Fort Benjamin Harrison, IN.

On 12-15 June 1979, Richard Edgar attended the TRACOC Accounting Policy and Systems Workshop.

On 8-11 July 1979, MAJ Barry Poole attended the Worldwide FAO Conference at Fort Benjamin Harrison, IN.

On 10-13 July 1979, Elizabeth Lambert attended a TRADOC Stock Fund/Supply Management Seminar.

On 23-26 October 1979, Jean Whittington and Ann Beck attended an OPM Course on Improved Communication with the Public in Atlanta, GA.

On 13-17 November 1979, Donald Wilson attended a Fiscal Law Course at the JAG School, Charlottesville, VA.

On 14-16 November 1979, Larry Prophitt and Betty Arrington attended an OPM Course on Management Orientation for Admin, Clerical, and Technical Employees in Atlanta, GA.

On 26-30 November 1979, SSG David C. Bentley attended JUMPS-Army Management Training at Fort Benjamin Harrison, IN.

On 26-30 November 1979, Annette Harpe and Eugenia Parker attended an OPM Course on Federal Travel Regulations in Atlanta, GA.

On 3-7 December 1979, Susan Cheshire attended an OPM Course on Improved Communications with the Public in Atlanta, GA.

On 10-14 December 1979, Lee Herrington and Betty Arrington attended an OPM Course on Budget Formulation in Atlanta, GA.

MANAGEMENT ANALYSIS DIVISION

ACCOMPLISHMENTS:

Principal Management Analysis Studies Conducted in 1979:

Organizational Structure of Directorate of Training

Review of Refuse Collection and Disposal Services

Utilization of Instructor Pilots and Evaluator Pilots

Data Transcribing Operations

Billeting Branch, Housing Division, DFAE

Organizational Placement of Illustrator Personnel

Review of Fire Prevention and Protection Services

Analysis of Methods of Instruction (MOI) Flying Hours/Costs

Feasibility of Automating Command Performance Summary and TRADOC Goals Reporting Requirements

DFAE Work Scheduling Methods and Procedures

Review of Installation Bus Services

Effective 1 October 1979, TRADOC made coverage under TRADOC Management Information Systems (TRAMIS)/Combined Arms Center Management Information Systems (CACMIS) optional for all functional areas other than combat and training developments. As a result, DT, DRM, MISO, DPCA (AG Div), DIO (Maint Div and ALMD), and 1st Aviation Brigade were deleted from systems coverage at Fort Rucker, leaving only DCD, DTD, and DES under the systems.

SIGNIFICANT EVENTS:

Conferences, Seminars, and Training Courses Attended:

On 26 March - 6 April 1979, Charles L. Meadows attended Organization Planning Course at US Army Management Engineering Training Agency, Rock Island, IL.

On 23 April - 4 May 1979, Edith W. Stark attended Organization Planning Course at US Army Management Engineering Training Agency, Rock Island, IL.

On 30 April - 1 June 1979, Harry G. Howell attended Military Comptrollership Course at US Army Institute of Administration, Fort Benjamin Harrison, IN.

On 18-22 June 1979, Edith W. Stark attended Introduction to Computer Programming Course at Office of Personnel Management Regional Training Center, Atlanta, GA.

On 13-31 Aug 1979, Edith W. Stark attended Manpower and Force Management Course at US Army Logistics Management Center, Fort Lee, VA.

On 21-24 August 1979, Jeanette H. Carr attended Presentation of Data in Graphs, Charts, and Tables Course at Office of Personnel Management Regional Training Center, Atlanta, GA.

On 5-9 November 1979, Charles L. Meadows attended Effective Briefing Techniques Course at Office of Personnel Management Regional Training Center, Atlanta, GA.

On 5-9 November 1979, Edith W. Stark attended Automatic Data Processing Orientation Seminar at US Army Management Engineering Training Agency, Rock Island, IL.

On 26-30 November 1979, Harry G. Howell attended Automatic Data Processing Orientation Seminar at US Army Management Engineering Training Agency, Rock Island, IL.

FORCE DEVELOPMENT DIVISION

ORGANIZATION:

The Force Development Division exercises functional responsibility for manpower, organization, force structure, and equipment management; develops policy, plans, procedures and directives affecting the allocation, control, and utilization of manpower and equipment resources; develops and manages the USAAVNC manpower program; directs and accomplishes Installation The Army Authorization Documents System (ITAADS) for the USAAVNC; and controls civilian hire program.

ACCOMPLISHMENTS:

Increase in Initial Entry Rotary Wing Training (IERW):

Manpower resources to support an IERW production rate of 598 officers and 808 warrant officers were developed and submitted to higher headquarters. As a result of this effort, 412 spaces (59 Off, 102 WO, 133 Enl, 118 Civ) were allocated USAAVNC effective 1 Oct 79 to support this program.

FY 80 Manpower Reduction: As a result of civilian manpower reductions directed by Congress and apportioned by OSD and DA, TRADOC was assessed an FY 80 civilian manpower reduction. The concurrent USAAVNC reduction of 153 civilian spaces was accomplished by course eliminations (pending DA approval), contracting out (CITA), mission decrements, and piecemeal cuts. This reduction, coupled with mission increases, significantly impacted on the quantity and quality of support provided to the assigned population.

Change 1 to USAAVNC Regulation 10-1 (Organization and Functions Manual):

Change 1 was published 1 Nov 79 and reflected a reorganization of the Command Group which established an Office of the Assistant Chief of Staff/Deputy Installation Commander.

SIGNIFICANT EVENTS:

Personnel:

Kenneth E. Roberts GS-07, Management Analyst (Intern) resigned to accept a position in private industry after serving in FDD from March 1978 to October 1979.

Billie C. Pouncey, GS-11, Management Analyst retired 22 June 1979, after 30 years of federal service.

Thomas A. Spring, GS-11, Management Analyst, accepted a position in Germany after a period of service June 1974 - August 1979.

Mary C. Hudson, GS-07, Management Analyst (Intern), Transferred to Fort Rucker, FDD, 5 October 1979, from Fort Lee, VA.

LuVera Andrews, GS-07, Management Assistant, transferred to FDD 28 October 1979 from the Directorate of Evaluation/Standardization.

Conferences, Seminars, and Training Courses Attended:

On 22 October - 9 November 1979, Ella Ruth Gatlin attended the Manpower and Force Management Course, Fort Lee, VA.

On 28 October - 7 November 1979, Howell L. Flowers attended the Advanced Resource Management Course, Syracuse University, Syracuse, NY.

MANAGEMENT INFORMATION SYSTEMS OFFICE

MISSION:

Is responsible for overall installation Management Information Systems (MIS), Automatic Data Processing (ADP) resources and operation of the Data Processing Center (DPC).

ORGANIZATION:

The MISO has a current authorized staffing of 53 civilian and 15 military personnel. Operation of the DPC is on a 24-hour, 7-day per week basis.

An internal reorganization within the MISO established a Plans, Development and Technical Support Office. Functions of this entity include planning and associated actions as well as control and maintenance of computer operating system software.

PERSONNEL:

MAJ Richard W. Jordan has served as the installation MISO since assuming duties in December 1977.

ACCOMPLISHMENTS:

The security of the DPC was reviewed under provisions of AR 380-380. Results of the study were forwarded to TRADOC in February 1979 and accreditation approval was received from that headquarters in May 1979.

Actions implemented to improve ADP security included installation of heat and smoke sensors in computer operations areas, connected to the Fort Rucker Fire Department, and the installation of a controlled access procedure at the entrance of the DPC building. The Continuity of Operations Plan (COOP) for contingency ADP support was also revised and updated.

TRADOC approval was granted on a proposal to acquire a Virtual Machine (VM) Computer to support unique Fort Rucker ADP systems. Procurement action was initiated in late 1979 with a projected installation date of 1 July 1980 for the new computer.

Upgrade of the teleprocessing network supporting Aircraft Maintenance Contractor functions received favorable TRADOC approval. Procurement of necessary terminal equipment is being held in abeyance pending determination of communication support.

Acquisition of Key-to-Disk-to-Tape (KDT) systems to support DRM and DIO (Supply) data reduction functions was approved. Procurement action is in process with projected installation date for the new equipment early in 1980.

Automated support for implementation of the Fort Rucker Class Action Consent Decree was initiated in June 1979. Actions through reporting period included design and implementation of the computerized random selection of candidates under the Job Opportunity Announcement (JOA) program and automatic preparation of Referral and Selection Registers. An automated address master file was established for control and selective production of mailing lists, labels and statistical reporting on recruitment efforts for blacks. When fully developed and implemented, an automated facility will exist to cover the accumulation and reporting of various historical and statistical information relating to recruitment, selection, promotions, reassignments, details, awards, disciplinary actions, committee and board assignments as required by the terms of the Consent Decree.

SYSTEMS ANALYSIS AND PROGRAMMING BRANCH

The standard automated Integrated Facilities System (IFS) supporting DFAE functions was implemented during April 1979.

Field Validation Test (FVT) and world-wide training seminar for Nonappropriated Fund Standard Automated Accounting System was hosted by Fort Rucker during February 1979.

An automated Dishonored Check System for improved control and prevention of abuse of check cashing privileges was designed and implemented in September 1979 in support of Personnel Services Division.

The extended version of Stock Fund/Financial Inventory Accounting System (version ABX) was implemented March 1979. With this action, Stock Fund/Financial Inventory Accounting became a subsystem under SAILS as opposed to STANFINS.

Implemented a standard magnetic tape control system under Disk Operating System-Extended (DOS-E) in March 1979. This system, identified as DYNAM/T, established an automated tape control and library system for DOS-E standard systems.

Performed all study, design, and programming actions associated with automation support for the Fort Rucker Class Action Consent Decree. Efforts in this regard constituted a significant increase in workload without additional manpower resources.

Conducted an extensive study to determine possibility of increasing ADPE utilization of the computer system supporting Aircraft Maintenance Contractor functions. The identification of several major negative factors resulted in a determination that increased utilization (sharing) was impractical.

AVIATION SYSTEMS DEVELOPMENT BRANCH

Continued the development and maintenance of Aviation Management Information Systems (AVMIS) supporting aviation training functions at Fort Rucker.

Implemented a redesigned automated Aviator Flight Records System (DA Form 759). The revised system is based on the concept of capturing aviator and aircraft flight time and student grades directly from DA Form 2408-12. The system provides automatic production of DA Form 759 information and other aviator/flight data for management use.

Initiated a study aimed at automation of USAAVNC Form 946, Aircraft Schedule and Worksheet. As envisioned, various aircraft scheduling and utilization data will be captured and correlated with DA Form 2408-12 information, permitting automated management reporting in these areas.

MACHINE OPERATIONS BRANCH

Operated three computer systems (two IBM 360/50, one IBM 360/40) on an around the clock, 7-day per week basis, providing operational support to virtually every organization at Fort Rucker. Type support included batch, multiprogramming and teleprocessing.

Developed and implemented an improved procedure for control and distribution of ADP output products. The new procedure is aimed at improved security and protection of information.

Provided Fort Benning MISO computer support under COOP conditions. Extended computer downtime at that installation necessitated reliance on Fort Rucker assistance for priority processing. Mutual support agreements are in effect between the two sites.

PROVOST MARSHAL

MISSION:

Advise the command group on matters pertaining to maintenance of discipline, law, and order. Supervises the military law enforcement and security operations for the Fort Rucker military community and an assigned geographic area encompassing parts of Alabama, Florida, and Mississippi.

ORGANIZATION:

See chart on page 136.

The 141st MP Company supports the Provost Marshal's Office with personnel and logistics. The MTO&E presently authorizes three officers and 95 enlisted personnel.

Security Unlimited Enterprises has provided security for all airfields, the ammunition supply point and other sensitive facilities, and money escorts.

PERSONNEL:

COL David J. Anderson served as Provost Marshal until 10 November 1979.

LTC Thomas J. Regel assumed duties as Provost Marshal on 12 December 1979.

CPT Ronald E. Travers served as Deputy Provost Marshal for the entire year.

1LT Steven J. Boudier served as OIC of the Physical Security Section for the entire year.

SFC Bennett Jergenson served as Operations NCO from 1 January 1979 until 28 August 1979 when he assumed duties as NCOIC of the Physical Security Section.

SFC Timothy M. Hilliard assumed duties as the Operations NCO on 28 August 1979.

SFC Hulon J. Martin served as NCOIC of the Military Police Investigations Section for the entire year.

ACCOMPLISHMENTS:

The practice of registering vehicles on post was discontinued on 28 June 1979. This action will save Fort Rucker approximately \$15,000 per year.

The following is a breakdown of the workload and statistics of the Provost Marshal's Office functional sections:

Game Warden Section

Hunters signed out - 11,072

Reported kills

Deer - 209

Turkey - 15

The Physical Security Section has accomplished the following inspections and actions:

Unsecured building reports - 156

Physical security inspections - 181

Physical security surveys - 28

Crime prevention inspections - 45

Alarm activations - 154

The Operations Section, in addition to exercising overall supervision of the law enforcement effort, has forwarded the following reports:

DA Form 3975 (MP Report) - 2581

DD Form 1408 (Traffic Ticket) - 2649

DA Form 3946 (Traffic Accident Report) - 376

Post Driving Privileges Suspension - 45

The AWOL Apprehension Section processed and returned to military control 222 absentees.

The Military Police Investigation Section opened 1,095 cases and closed 1,092 cases. A breakdown of some of the cases follows:

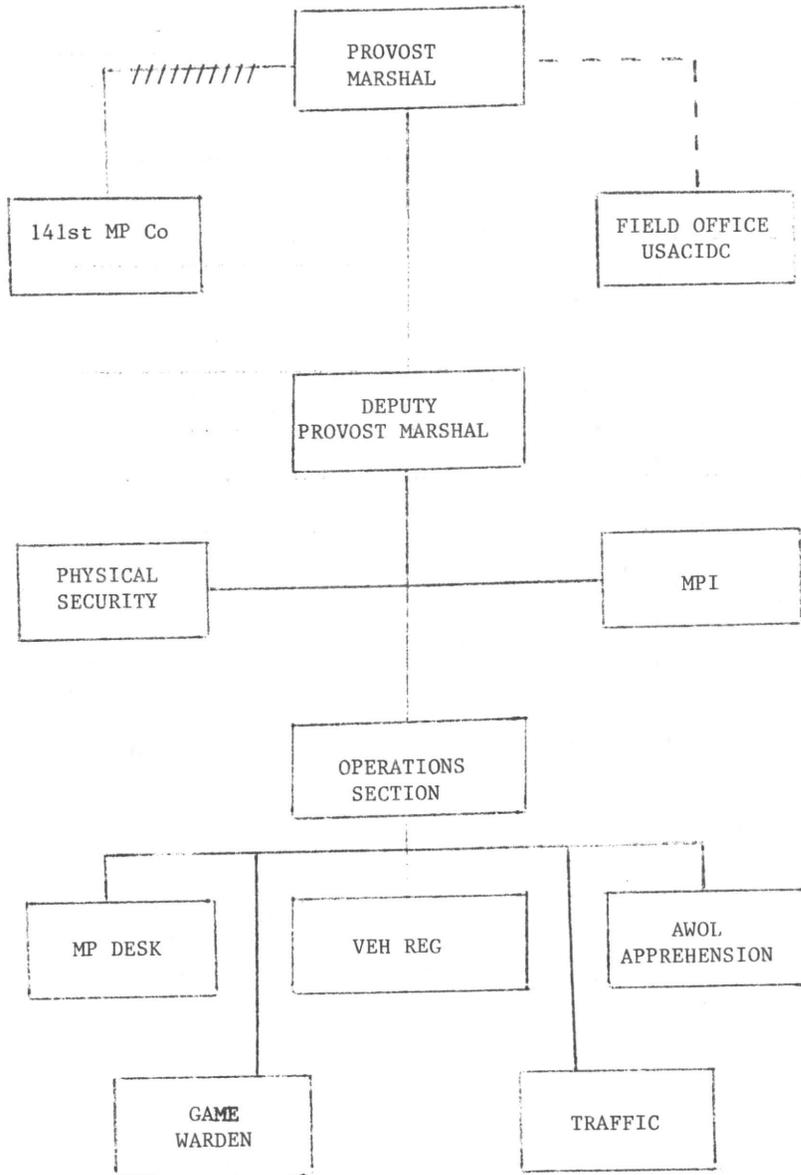
Offense	Subjects Identified	Cases
Assault	45	46
Larcenies	63	305
Possession of Marihuana/found Marihuana	326	225
Harassing/Obscene Phone Calls	0	31
Civil cases	252	222
Housebreaking/Unlawful entry	0	16

Value of private property stolen and recovered.

<u>Stolen</u>	<u>Recovered</u>
\$27,922.04	\$31,648.24

Value of government property stolen and recovered.

<u>Stolen</u>	<u>Recovered</u>
\$25,425.31	\$5,407.60



LEGEND:
 // support PM with personnel and equipment
 - - - - coordination/liaison with PM

OFFICE OF ACCIDENT PREVENTION

MISSION:

Reduces and keeps to a minimum accidental manpower and monetary losses, thus providing a more efficient utilization of personnel and equipment.

ORGANIZATION:

Staff supervision over the Office of Accident Prevention was transferred from the Directorate of Personnel and Community Activities to the Chief of Staff in March 1979.

PERSONNEL:

Mr. John Hickey served as chief during 1979.

CPT Henry D. Reed succeeded CPT Charles N. Hannum as Chief of the Aircraft Accident Investigation Board in April 1979.

ACCOMPLISHMENTS/SIGNIFICANT EVENTS:

A significant reduction of statistical rates in all categories of accidents was achieved for FY 79 except for aircraft accidents. The following table reflects the comparative rates for the past two fiscal years:

	<u>FY 78</u>	<u>FY 79</u>
Army aircraft accidents per 100,000 hours flown	3.85	6.49
Army motor vehicle accidents per 1,000,000 miles driven	2.43	2.04
Military fatalities per 1,000,000 mandays of exposure	4.62	3.31
Military disabling injuries per 1,000,000 mandays of exposure	21.89	19.89
Army civilian disabling injuries per 1,000,000 manhours of exposure	4.21	3.19

DETACHMENT 9, 5th WEATHER SQUADRON

MISSION:

Provides operational weather services to the USAAVNC flying training mission 24 hours per day, all days of the year, and staff weather services to all USAAVNC agencies on as needed/requested basis. The operational support includes severe weather forecasting and alerting for the Fort Rucker Complex, complete meteorological watch of the local flying area, remote briefing service for specified limited hour weather stations, and radar meteorology watch within a 200 nautical mile radius of Ft. Rucker. Staff weather service primarily involves specific weather forecast and climatological data input to USAAVNC Headquarters and Training Division short and long range decision making. Detachment 9 has access to a variety of telecommunications to assist in accomplishing its mission: (1) The CONUS Meteorological Data System (COMEDS) is a primary system that is linked to a computer at Carswell AFB, Texas. Worldwide weather data is continually stored and updated in the computer and is available in seconds via COMEDS, (2) facsimile terminals that provide weather analysis and prognosis from the National Meteorological Center, (3) one of the largest military closed-circuit "Weathervision" networks over which forecasts, weather warnings, briefings, aircraft clearances, and MET-WATCH advisories are disseminated to the many USAAVNC using agencies, and (4) a UHF and VHF pilot-to-meteorologist radio service. Operating Location Alpha of the detachment provides 10 hours per day, five days per week weather observing to USAAVNC training mission at Troy Airport, Alabama.

ORGANIZATION:

Detachment 9 is attached to the USAAVNC Director of Training (DT) for administrative, logistical, and staff support. This alignment is as directed by the joint AR 115-10/AFR 105-3, Meteorological Support for the US Army. USAF operational control channels are 5th Weather Squadron, Ft. McPherson, GA, to the 5th Weather Wing, Langley AFB, VA to Headquarters Air Weather Service, Scott AFB, IL.

PERSONNEL:

<u>Key Personnel</u>	<u>Position</u>	<u>Period of Assignment</u>
Lt Col Clark S. Pinder	Commander/Staff Weather Officer	Entire Year
Capt Stephen J. Ransdell	Asst Staff Weather Officer	Jan 79 - Sep 79
Lt Michael A. Jackowski	Asst Staff Weather officer	Oct 79 - Present
MSgt Ronald T. Cook	Chief, Forecaster Section	Jul 79 - Present
MSgt Walter W. Gullely	Chief, Observer Section	Entire Year
SSgt James B. Bennett	Chief, Administration	Aug 79 - present

ACCOMPLISHMENTS:

Provided weather forecasts, observations, and other staff weather advice for USAAVNC Command Group decision making during the three day period (10-12 Sep) when Hurricane Frederic was a threat to the Fort Rucker area.

Developed a weather forecasting study for summer thunderstorms. This study will be of significant assistance during Jun - Aug of each year in forecasting the potential of severe weather affecting the Fort Rucker area.

Implemented video taping of quarterly weather safety briefings for the first time. This method enabled efficient use of weather knowledge and personnel in instructing the maximum number of pilots in a minimum time period on the impact of weather on flying operations in the forthcoming three months.

Accomplished 16,864 weather observations at Cairns AAF and 3,582 at Troy Airport in support of the USAAVNC training mission and national meteorological observation network.

Completed 17,890 outbound pilot briefings (DD Form 175-1).

Prepared and presented 2,738 closed circuit TV briefings.

Provided weather support for 254,744 local and cross-country flight.

Issued 70 severe weather warnings/alerts for a 15-mile radius of Ft. Rucker, and 289 MET-WATCH advisories for the local flying area (100 mile radius of Ft Rucker).

One hundred and ninety-three Army air traffic controllers were trained and certified to take limited weather observations.

The automatic telephone answering device provided weather forecasts to an average of 1,900 callers per month.

Weather indoctrination tours of the Cairns Weather Station were conducted for approximately 300 students (civilian and military) and members of local community groups.

USAF OPERATING LOCATION AK, 4525TH COMBAT APPLICATIONS SQUADRON TACTICAL AIR COMMAND

MISSION:

Provides liaison between the USAF Tactical Air Command and the US Army Aviation Center, advising the commander and his staff on matters of Air Force concepts and doctrine. Additional resident and nonresident instruction on pertinent USAF subjects is provided for the Department of Academic Training. The unit also provides current USAF tactical employment expertise and advice to program managers in the USAAVNC Combat Developments Branch.

ORGANIZATION:

OL AK is composed of two officers and one administrative support technician.

PERSONNEL:

<u>NAME</u>	<u>RANK</u>	<u>POSITION</u>	<u>ARRIVAL/DEP DATE</u>
Arthur K. Ivins	LTC	SAFR	Oct 77 Jul 80
Gene N. Patton	MAJ	Ops Staff Off	Apr 78 Apr 81
Robert F. DuPree	MSgt	Admin Supv	Jan 75 Jun 80

ACCOMPLISHMENTS:

OL AK has developed academic training to enhance current tactical training such as JAAT, JAWS, and USAF-USA combined arms employment. Officers of this unit have served as advisors on the advance scout helicopter study group and the DIV 86 study group. Additionally, this unit has served as a point of contact for such diverse USAAVNC studies as NBC operations, close air support gaming, threat analysis, tactics seminars, National Guard/Reserve training, life support MOS training, and USAF laser research.

1ST AVIATION BRIGADE

MISSION:

Exercises command over assigned and attached battalions. Provides administrative and logistical support to assigned units of the 1st Aviation Brigade. Directs operations, training, intelligence and security activities within the Brigade.

ORGANIZATION:

The 1st Aviation Brigade consists of the following units:

1st Battalion
4th Battalion
6th Battalion

Attached unit:

46th Engineer Battalion (Combat) (Heavy)

PERSONNEL:

Brigade Commander for 1979:

Colonel (P) John C. Bahnsen 18 Aug 78 - 31 Dec 79

Command Sergeant Major for 1979:

CSM Victor E. Ashcraft 9 Aug 78 - 31 Dec 79

ACCOMPLISHMENTS:

1st Quarter

The 46th Engineer Battalion conducted a Battalion FTX from 22-26 January 1979.

427th Medical Company conducted an FTX, 22-24 January 1979.

1st Battalion units' administration staffs were consolidated in a Battalion Personnel Administration Center (PAC) on 15 January 1979.

1st Aviation Brigade observed Martin Luther King Day.

46th Engineer Battalion conducted 10 days of ARTEP training from 1-10 March at Fort McClellan, AL.

23-29 March 1979, the 1st Aviation Brigade held the "Winter Sportsfest." Among the competitive events were basketball, bowling, flickerball, horseshoes, racquet ball, track & field, volleyball, soccer, swimming, weightlifting, wrestling, and 10km run. Approximate participation was 1,550.

108th QM Company (-) participated in the Joint Training Exercise "JACK FROST," deploying to Alaska during January and February 1979.

2d Quarter

10 April 1979, Company C, 509th Infantry sent 11 personnel to Nicholls State University for an airborne demonstration.

1st Aviation Brigade conducted a "Best Burger" competition that was won by the 4th Battalion Soldier On! Dining Facility.

46th Engineer Battalion opened the Fourth Avenue Chapel.

46th Engineer Battalion conducted a Battalion Construction FTX, 14-17 May 1979.

A Company, 46th Engineer Battalion constructed a causeway at Lake Tholocco.

3-13 May 1979, 509th Infantry had 14 personnel attend annual Canadian Jump Bivouac in Petawawa, Canada. All personnel were awarded the Canadian Airborne Wing.

4th Battalion won the overall area beautification contest sponsored by the 1st Aviation Brigade.

2 June 1979, 509th Infantry held its first annual Company Accuracy Jump.

3d Quarter

During the period 23 July - 10 August 1979, the 1st Aviation Brigade sponsored 14 ROTC Cadets in the Annual Cadet Troop Leadership Training Program.

20-21 July 1979, the 1st Aviation Brigade held the Spring Sportsfest. Among the competitive events were boxing, flickerball, softball, swimming, team handball, track and field, weight-lifting and wrestling. Approximate participation was 2,548.

On 16 July 1979, the 60th Warrant Officer Candidate Company was activated. Its mission is to conduct the Warrant Officer Development Program.

During 8 July thru 3 August 1979, the 1st Aviation Brigade sponsored 46 cadets in the 1979 USMA Flight Training Program.

The 1st Aviation Brigade participated in the preparation of Fort Rucker for Hurricane Frederic and the evacuation of personnel from Tyndall AFB on 11-14 September 1979.

On 2 August 1979, the 98th Army Band conducted a combined band concert at the Fort Rucker Recreation Center.

On 31 August 1979, Company C, 509th Infantry went to Nicholls State University, Thibodaux, Louisiana, and conducted an airborne and rappelling demonstration.

An estimated 1,000 personnel participated in the 1979 Volksmarch on 22 September. The Volksmarch was a 6-kilometer running/walking event conducted by 1st Battalion.

On 27 September 1979, Company C, 509th Infantry conducted a run to Fort Benning, Georgia.

The 46th Engineer Battalion conducted a practice REFORGER in September.

The 108th QM Company, 416th Trans Company, and the 91st Firefighter Detachment participated in the Joint Training Exercise "BOLD EAGLE 80," deploying to Eglin AFB, FL, on 18 September to 9 November.

4th Quarter

On 1 October 1979, the 1st Battalion opened a completely upgraded and remodeled 800-man capacity dining facility.

On 9 November 1979, the Brigade conducted the "Golden Hawk" Culinary Competition. Purpose of the competition was to identify those individuals best qualified to compete in the US Army competition to be held at Fort Lee in March 1980.

4th Battalion Soldier On! Dining Facility won the Commanding General's Award for the Best Dining Facility, FY 79.

16-17 November 1979, the 1st Aviation Brigade held the "Summer-Fall Sportsfest." Among the competitive events were: basketball, boxing, decathlon, football, pistol shoot, triathlon, volleyball, and wrestling. Approximate participation was 2,150.

Two Emergency Deployment Readiness Exercises (Airborne-Deployment) were conducted for 108th QM Company and 416th Transportation Company.

Over 50,000 toys were collected and repaired by the 416th Trans Company for Operation Santa Claus. Distribution of toys started on 15 December 1979.

On 15 December 1979, the 1st Aviation Brigade sponsored a special activities day and raised money for the Vivian B. Adams School. Pledges were paid for distance runs, roller skating, and tickets were sold for a dance that evening.

1ST BATTALION

MISSION:

Provides command, logistic, administrative, and military justice support for all assigned and attached personnel.

ORGANIZATION:

11th Company	98th Army Band
12th Company	141st Military Police Company
13th Company	260th Field Artillery Detachment
14th Company	Company C, 509th Infantry
US Army Aviation Board (attached for administration)	

PERSONNEL:

Commanding officer for 1979 was:

LTC Terry N. Rosser	Jun 78 - Present
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Command Sergeants Major for 1979 were:

CSM Sanford L. Greenberg	1 Apr 79 - 27 May 79
CSM William P. Bennett	28 May 79 - Present

Company personnel for 1979 were:

11th Company

Commander	Gary T. Steimle	1 Dec 78 - 17 Dec 79
	Ralph E. Page	17 Dec 79 - Present
First Sergeant	John P. Traylor	9 Feb 79 - 17 Dec 79
	Danny K. Hunter	17 Dec 79 - Present

12th Company

Commander	Michael E. Bourque	28 Sep 78 - 9 Jul 79
	Lee A. Norvell	9 Jul 79 - Present
First Sergeant	Hayden C. Pursley	Dec 78 - 5 Nov 79
	Ronald Koenig	Nov 79 - 10 Jan 80

13th Company

Commander	John T. Plant	8 Dec 78 - 11 Dec 79
	Richard D. Long	11 Dec 79 - Present
First Sergeant	James Daugherty	28 Jan 78 - Present

14th Company

Commander	Walter Culberson	1 Feb 78 - 1 Feb 79
	Matthew A. Demaria	1 Feb 79 - Present
First Sergeant	William Lee	Dec 78 - Present

98th Army Band

Luther E. Murphy	Aug 77 - Present
Haywood E. Sellers	Jan 79 - Present

Company C, 509th Infantry

Commander	Robert C. Atwell	Oct 78 - Oct 79
	Rodney M. Payne	Oct 79 - Present

First Sergeant	Thomas Cruise	Dec 78 - Present
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141st Military Police Company

Commander	Richard Ciriello	Dec 78 - 23 May 79
	Dale W. Sanders	23 May 79 - 30 Nov 79
	Stephen Herrington	30 Nov 79 - Present

First Sergeant	Willie T. Helms	26 Oct 78 - 31 Dec 79
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260th Field Artillery Detachment

Commander	John Ogren	Mar 78 - Mar 79
	Frank G. Green	Mar 79 - Present

ACCOMPLISHMENTS:

15 Jan 79 Battalion and Unit administration staff were consolidated in a Battalion Personnel Administration Center.

15 Jan 79 Battalion observed Martin Luther King Day.

15 Feb 79 260th FA Detachment and C Company 509th Infantry departed 4th Battalion and joined 1st Battalion.

23-24 Mar 79 1st Battalion participated in Winter Brigade Sports Fest.

26-31 Mar 79 1st Battalion participated in USAAVNC Spring Spruce-up Week.

13th Company, 260th FA DET, and 509th Inf performed the following:

1 Apr 79 13th Company began its first classes in its Adventure Training Series.

19 Apr 79 Co C, 509th Inf sent 11 personnel to Nicholls State University for an Airborne Demonstration.

27 Apr 79 260th had a carwash for the AER fund drive and netted in excess of \$160.

May 79 1st Battalion had an End of the Month Review and Memorial Day Ceremony.

3-13 May 79 509th Inf had 15 personnel attend annual Canadian Jump Bivouac in Petawawa, Canada. All personnel were awarded Canadian Airborne Wings.

29 May 79 260th FA Det successfully completed Annual IG Inspection.

June 79 1st Battalion had a German IP Ceremony.

2 Jun 79 509th Inf held its first annual company Accuracy Jump. First place team consisted of SGT Felix Bautista, SP4 Mickey Crosby, PV1 Stephen Webster, and SP4 Robert Collins.

19 Jun 79 Co C conducted a water jump at Lake Tholocco.

July 79 1st Battalion had an Independence Day Ceremony.

98th Army Band and Co C, 509th Inf, performed the following:

- 2 Jul 79 Advanced Warrant Officer Orientation, 0830 hours, Ft Rucker Officers' Club.
- 3 Jul 79 Commanding General's Reception, 1900 hours, Ft Rucker Officers' Club.
- 4 Jul 79 Independence Day Salute, 1200 hours, Headquarters Parade Field.
- 2 Aug 79 Combined Band Concert, 1800 hours, Ft Rucker Recreation Center.
- 3 Aug 79 West Point Cadet Graduation, 0830 hours, Ft Rucker Officers' Club.
- 4 Aug 79 Dixie Softball Tournament, 1400 hours, Flier Field, Ft Rucker.
- 25 Aug 79 Bicycle Race, 0800 hours, Headquarters.
- 31 Aug 79 Company C, (Pathfinder/Airborne) 509th Infantry went to Nicholls State University, Thibodaux, Louisiana, and conducted an airborne and rappelling demonstration.
- 1 Sep 79 Pee-Wee Football Kickoff, Carroll High School, Ozark, AL, 1430 hours (performed by the 98th Army Band).
- 2-8 Sep 79 Company C, (Pathfinder/Airborne) 509th Infantry conducted Ranger/Pathfinder Training with the 1st Ranger Company.
- 6 Sep 79 AUSA Dinner, 1900 hours, Ft Rucker Officers' Club.
- 11 Sep 79 98th Army Band performed for the WOC Dome Dedication, 1615 hours, WOC Dome.
- 16-22 Sep 79 Company C, (Pathfinder/Airborne) 509th Infantry conducted Ranger/Pathfinder Training with the 1st Ranger Company.
- 20 Sep 79 98th Army Band performed for Mrs. McNair's Reception, 0845 hours, Ft Rucker Officers' Club.
- 22 Sep 79 98th Army Band performed for Volksmarch, 0830 hours, Ft Rucker Wildlife Association.
- 24 Sep 79 CFC Kickoff, 1300 hours, Ft Rucker Recreation Center.
- 27 Sep 79 Company C, (Pathfinder/Airborne) 509th Infantry conducted a run to Ft Benning, Georgia.

The 98th Army Band also participated in the following Aviation Center ORWAC/WORWAC functions during the 3d quarter:

- 6 - Orientations
- 6 - Fly-By's
- 6 - Swearing-In's
- 7 - Graduations
- 7 - Graduation Balls
- 3 - Monthly Retirement Ceremonies (Last Friday of each month).

98th Army Band and Co C, 509th Inf, performed the following:

- 4 Oct 79 Stage Band at Lake Lodge for AUSA Bar-B-Que.
- 5 Oct 79 Full Marching Band at Brantley, AL, for Homecoming Parade.
- 6 Oct 79 Full Concert Band at Ozark, AL, for Claybank Jamboree Concert.
- 26 Oct 79 Full Marching Band at HQ Parade Field for Monthly Post Parade.

- 27 Oct 79 Full Band in Dothan, AL, for Peanut Festival Parade & Concert.
- 6 Nov 79 Full Band at New Brockton, AL, for PTA Concert.
- 8 Nov 79 Full Marching Band at Tuskegee, AL, for Veterans Day Parade.
- 10 Nov 79 Stage Band at Troy, AL, Armory for Veterans Day Concert.
- 11 Nov 79 1 Trumpet Player at Montgomery, AL, for Veterans Day Ceremony.
- 12 Nov 79 Full Marching Band at Birmingham, AL, for Veterans Day Parade.
- 15 Nov 79 5-piece Combo at Ft Rucker Officers' Club for Dining In.
- 19 Nov 79 1 Piano Player at Ft Rucker Officers' Club for Tea for Mrs. Reilly.
- 21 Nov 79 12-piece Combo at Ramada Inn, Dothan, AL, for Dothan High School ROTC Ball.
- 30 Nov 79 Full Marching Band at HQ Parade Field for Monthly Post Parade.
- 1 Dec 79 1 Drummer and 1 Bugler at Ft Rucker Officers' Club for Christmas Ball.
- 8 Dec 79 Full Band at Post Physical Fitness Center for Vivian B. Adams Christmas Run.
5-piece Combo at Ft Rucker Officers' Club for 1st Bn Christmas Ball.
- 13 Dec 79 Full Band at HQ Parade Field for CH47D Dedication Ceremony.
- 14 Dec 79 Full Marching Band at HQ Parade Field for 46th Engr Co Change of Command.
Full Marching Band at HQ Parade Field for Monthly Post Parade.
Company C, 509th Infantry, won best marching unit streamer at the monthly review conducted by the 6th Battalion.
- 16 Dec 79 Full Band at Post Theater for Christmas Concert & Cantata.
- 17 Dec 79 Full Band at Newton, AL, for Christmas Tree lighting.
- 19 Dec 79 Full Band at HQ Parade Field for 6th Bn Change of Command.

The 98th Army Band also participated in the following Aviation ORWAC/WORWAC functions during the 4th quarter:

Orientations	- 7
Fly-By's	- 6
Swearing-In's	- 6
Graduations	- 7
Graduation Balls	- 8

4TH BATTALION

MISSION:

Exercises command and control over all assigned/attached units. Provides command and staff supervision of administrative functions, physical security, limited logistical support, quarters and rations, and training of assigned personnel.

ORGANIZATION:

The 4th Battalion, 1st Aviation Brigade, consists of the following units:

41st Company	Company C, 509th Infantry
42d Company	260th Field Artillery Detachment
43d Company	

Company C, 509th Infantry, and 260th FA Detachment were assigned to 1st Battalion effective 15 February 1979.

PERSONNEL:

Commanding officer for 1979 was:

LTC Jerome R. Daly	9 Nov 78 - Present
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Command Sergeants Major for 1979 were:

CSM Harold F. Watts, Jr.	1 Mar 78 - 30 Jun 79
CSM Sonnie S. Bronson	5 Sep 79 - Present

Company personnel for 1979 were:

41st Company

Commander	CPT James B. Norwood	13 Sep 77 - 27 Feb 79
	CPT Raymond W. Frause	27 Feb 79 - Present
First Sergeant	1SG Samuel G. Dykes	15 May 78 - 30 Jun 79
	1SG Grady H. Collins	1 Jul 79 - Present

42d Company

Commander	CPT Chesley D. Auten	29 Jul 77 - 16 Mar 79
	CPT John W. Ogren	16 Mar 79 - 30 Nov 79
	CPT Dale W. Sanders	30 Nov 79 - Present
First Sergeant	1SG Gerald G. Gappa	4 Dec 78 - 19 Mar 79
	1SG Robert L. Beer	19 Mar 79 - Present

43d Company

Commander	CPT Charles R. Woolwine	1 Aug 77 - 24 Jan 79
	CPT Mark E. Leopold	24 Jan 79 - Present
First Sergeant	1SG Enoch C. Sturgill	2 Oct 78 - Present

Company C, 509th Infantry

Commander	CPT Robert C. Atwell	9 Aug 78 - 15 Feb 79
First Sergeant	1SG Thomas M. Cruise	31 Jul 78 - 15 Feb 79

260th FA Detachment

Commander

CPT John W. Ogren

28 May 78 - 15 Feb 79

ACCOMPLISHMENTS:

1 Jan 79 - 31 Mar 79:

The average student strength of the 4th Battalion was 1,130.

The Soldier On! Dining Facility won the Best Mess Award for the 2d quarter of FY 79.

SSG Jesse J. Thigpen, platoon sergeant for 43d Company, won the area's First Region Army Commendation Award for Outstanding Service given by the Army Aviation Association of America.

Company C, 509th Infantry and 260th FA Detachment were assigned to 1st Battalion effective 15 February 1979.

42d Company was awarded the drill streamer for outstanding marching unit for the March retirement parade which took place on 30 March 1979.

1 April 79 - 30 June 79:

The average student strength was 730.

The Soldier On! Dining Facility was awarded the distinction of having the best dining facility for the 3d quarter, FY 79.

The Soldier On! Dining Facility won the 1st Aviation Brigade "Best Burger" competition.

The 41st, 42d, and 43d Companies successfully completed the Annual IG Inspection for FY 79.

4th Battalion won the overall area beautification contest sponsored by the 1st Aviation Brigade.

4th Battalion Headquarters was recognized as the battalion headquarters with the best improvement in the area beautification contest.

The 4th Battalion initiated a successful inter-mural sports program, including water polo, volleyball, flicker ball, and team handball. In addition, all three companies fielded a post level softball team.

1 July 1979 - 30 September 1979:

The average student strength was 636.

The 4th Battalion successfully completed the Annual IG Inspection for FY 79.

43d Company won the overall Men's Summer Sportsfest sponsored by the 1st Aviation Brigade. 43d Company also won the Boxing, and Track and Field Competition, and placed second in wrestling.

4th Battalion's Soldier On! Dining Facility won the Commanding General's Award for Best Dining Facility, 4th quarter, FY 79.

1 October 1979 - 31 December 1979:

The average student strength was 879.

Several members of the 4th Battalion Dining Facility participated in the 1st Annual Culinary Arts competition sponsored by the 1st Aviation Brigade. SP5 Bozeman captured first place in the cold buffet-fish class, and also won the title "Best in Show." SP5 Tompkins took first place in the cold buffet-meat class, and DAC Norman Shlam won the complete meal class.

43d Company participated in the fund drive for the Vivian B. Adams School and collected \$500 for the school.

During the 1st Aviation Brigade's Fall Sportsfest, 43d Company won the wrestling competition.

43d Company won the Track & Field Competition during the fall intramural season.

On 13 December 1979, 64 students (42d Company) moved from building 5910 to building 4503. The remainder of the company (including the orderly room) is scheduled to move to buildings 9309, 9310, 9311, 9312, and 8305 on or about 9 Jan 80.

6TH BATTALION

MISSION:

Provides command of and administrative support for all personnel assigned, permanent party and students. Advises the Brigade Commander and the Deputy Commanding General on all matters pertaining to activities of all officer, warrant officer, and warrant officer candidate students. Provides detailed observation, evaluation, recording of performance, and extensive counseling of warrant officer candidates to develop each to his/her full leadership, academic, and flight potential. Recommends qualified candidates for warrant officer appointment. Conducts program for full development in a military environment for all initial entry and warrant officer candidate students and their wives.

ORGANIZATION:

The 6th Battalion, 1st Aviation Brigade, consists of the following units:

- 60th Warrant Officer Candidate Company (Activated 16 Jul 79)
- 61st Company
- 62d Company
- 63d Company (Officer Student Company)
- 64th Company (Officer Student Company)
- Allied Military Training Division

PERSONNEL:

Commanding officers for 1979 were:

LTC W. F. Reilly	1 Jan 79 - 18 Dec 79
LTC James A. Scott	19 Dec 79 - Present

Command Sergeant Major for 1979 was:

CSM Alonzo C. Miller	1 Jan 79 - Present
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Company personnel for 1979 were:

60th Company

Commander	CPT Alan M. Gardner	16 Jul 79 - Present
First Sergeant	1SG Raleigh E. Cobb	16 Jul 79 - Present

61st Company

Commander	CPT Albert P. Fitzgerald	1 Jan 79 - 21 Jun 79
	CPT Timothy R. Lynch	22 Jun 79 - Present
First Sergeant	1SG Gerald A. Faulk	1 Jan 79 - 31 Dec 79

62d Company

Commander	CPT Alan M. Gardner	1 Jan 79 - 15 Jul 79
	CPT Larry W. Davis	16 Jul 79 - 8 Oct 79
	CPT Arthur C. Lucia	9 Oct 79 - Present
First Sergeant	1SG Robert Black	1 Jan 79 - 18 Jul 79
	1SG Britt Adair	19 Jul 79 - Present

63d Company

Commander	CPT Gill Bledsoe	1 Jan 79 - 5 Apr 79
	CPT Arthur C. Lucia	6 Apr 79 - 8 Oct 79
	CPT Larry W. Davis	9 Oct 79 - Present

64th Company

CPT James W. Hodges	1 Jan 79 - 6 Jul 79
CPT Albert P. Fitzgerald	7 Jul 79 - 13 Dec 79
CPT Charles E. Pyatt	14 Dec 79 - Present

Allied Military Training Division

Chief

MAJ Peter Barber	1 Jan 79 - 15 May 79
MAJ Robert Strickland	15 May 79 - Present

ACCOMPLISHMENTS:

Headquarters

6th Battalion won the Fort Rucker Pistol Competition during 23-30 March 1979. 6th Battalion PAC continued working in the 3d quarter, 1979, on area beautification by laying its own carpet. 6th Battalion, in the 4th quarter, 1979, continued working on area beautification by having carpentry work done in the headquarters building.

60th Company

Building 5702 is being totally reconstructed to perform function as 60th Company Headquarters, Operations, TAC Offices and Classroom. Warrant Officer Candidate Hall of Fame responsibilities departed 60th Company, 30 September 1979. Purple Flight, Class 79-17, was the first to complete the new WOC-D program of instruction, 17 July 1979. Light Blue Flight, Class 79-18, graduated 31 July 1979. Green Flight, Class 79-19, graduated 14 August 1979. Gold Flight, Class 79-20, graduated on 28 August 1979. Royal Blue Flight, Class 79-21, graduated 12 September 1979. Maroon Flight, Class 79-22, graduated 26 September 1979. Gray Flight, Class 79-23, started 27 August 1979 with more than 60 WOCs, marking the beginning of the larger class buildup. Hurricane Frederic caused evacuation of WOC-D Classes to brick buildings of the 61st and 62d Companies. One and one-half days of training were lost due to the weather. Buildings 5707 and 5708 were appropriated as per the 6th Battalion Consolidated Schedule. Student personnel signed out for Christmas leave, 20 December - 3 January. During Christmas break, work was done in the WOC Lounge. Gray Flight, Class 79-23, graduated 10 October 1979. Orange Flight, Class 79-24, graduated 24 October 1979. Brown Flight, Class 79-25, graduated 7 November 1979. Yellow Flight, Class 80-1, graduated 21 November 1979. Navy Blue Flight, Class 80-2, graduated 6 December 1979. Red Flight, Class 80-3, graduated 18 December 1979.

61st Company

On 24 February 1979, 61st Company relocated from building 4503 to 5909. During the first quarter, 1979, 61st Company graduated 126 W01s, received from 62d Company were 98 students who were among the 126 graduates. During the second quarter 1979, 61st Company won 1st place in the Brigade Beautification Program. The WOC Hall of Fame was closed from 10 to 14 June for remodeling and repairs and was officially reopened at 0800 hours on 14 June with Major General Merryman cutting the ribbon to the new Fort Wolters Room and accepting trophies to be placed in the Trophy Room. On 22 June 1979, the 61st Company had their change of command with CPT Albert W. Fitzgerald relinquishing his command to CPT Timothy R. Lynch. The change of command was held in front of the WOC Hall of Fame with refreshments served in the WOC Hall of Fame. 61st Company received 136 students from the 62d Company and graduated 129 W01s. On 16 July 1979, 61st and 62d WOC Companies became sister companies whereby both are now carrying candidates from primary phase thru graduation. Building 5911 was also acquired. 61st Company received 52 students from 62d Company and 64 students from 60th Company and graduated 115 W01s. During the fourth quarter of 1979, 61st Company received 168 students from 60th Company and graduated 51 W01s.

62d Company

Purple Flight, Class 79-15, participated in the Wiregrass Road-Runners 10 K Run and provided 100% participation in the March of Dimes Charity Run. Light Blue Class, 79-17, remodeled Daleville Boy Scout buildings during the months of January and February, built a fence around the dining facility in February and March, and won the Softball Tournament on 17 March 1979. Royal Blue Class, 79-23, attended AAAA Lunch with 100% participation and did an outstanding job assisting the Fort Rucker Annual Horse Show. Gray Flight Class, 79-27, provided 100% participation in St. Patrick's Wiregrass 10,000 meter run and took 1st place. The company participated in the Annual 49er Party for charity. Several personnel worked on running the game tables, while the others enjoyed the festivities. Navy Blue Flight, Class 79-35, constructed an archway trellis for Daleville for use in their local beauty contests. An overhead ladder was constructed by engineers for use by the WOCs enroute to the Dining Facility. Area beautification has been an on-going accomplishment throughout the second quarter. The morning run has been modified considerably to include tactical routes and briefings. Situation training is being integrated into the tactical run. During the third quarter, the first guidon (exclusively dedicated to the WOC Hall of Fame) was presented by the seniors of Class 79-23. Seniors moved to building 5911, Senior Country. The seniors from Class 79-11 were accepted for the first time as Officers' Club members prior to their graduation, as an added privilege. 62d Company graduated their first two classes after reorganization, Classes 79-11 and 79-15. Class 80-1 arrived at 62d Company on 10 October 1979. It was the first of the large classes to arrive under the Army's program to increase the number of aviators. 62d Company assumed responsibility for the continued construction of the WOC Dome. Brown Flight, Class 80-5, is decorating the entrance of 62d Company with its class motto.

63d Company

The Aviation Warrant Officer Advanced Course 79-1 and the Warrant Officer Senior Course 79-1 began in January 1979. The Aviation Warrant Officer Advanced Course 79-1 graduated on 27 April 1979. The Warrant Officer Senior Course 79-1 graduated on 8 June 1979. During the week of 25-29 June, the Aviation Warrant Officer Advanced Course 79-2 and Warrant Officer Senior Course 79-2 inprocessed. The Aviation Warrant Officer Advanced Course 79-2 graduated on 11 October 1979 and the Warrant Officer Senior Course 79-2 graduated on 29 November 1979.

64th Company

ORWAC Class 78-48 won the 1st Annual Basketball Tournament, and won the 1st Annual 64th Company Volleyball Tournament. The 1st Brigade Winter Sports Fest gave a large number of officer students a chance to compete in 12 sports. 64th Company placed second overall, losing by only 2 points to the 11th Company. 64th Company placed first in swimming, 10 km Run, and flicker ball; second in wrestling and racketball; third in soccer; and fourth in weight lifting. SSG Robert W. Eckel was picked through Fort Rucker Roll-off to represent Fort Rucker in the TRADOC Bowling Championship in April 1979. 2LT Ted Martineze, ORWAC 79-24, finished third in his age group out of 500 runners (10 K) in the Diet Pepsi Cola 10 K Marathon, Dothan, Alabama. Average permanent party strength during 1st quarter was 18 and average student strength during 1st quarter was 144. 64th Company had sole responsibility for the compilation, composition, and printing of the 1st Brigade Jody Call Book, Second Edition. During the second quarter, 1979, the average permanent party strength during period was 17 and average student strength was 491. "School of the Officer" Program was initiated during the third quarter in cooperation with Department of Flight Training (DOFT)/COL Bahnsen, 1st Avn Bde. Mrs. Mary Normand, DAC Secretary took two weeks leave during the Christmas holidays. During the fourth quarter, 1979, the average permanent party strength during the period was 19 and average student strength was 497.

Allied Military Training Division, 6th Battalion

During the first quarter, 1979, AMTD graduated 36 students, conducted a tour to New Orleans, and hosted a soccer picnic. During the second quarter, 1979, the average foreign student strength was 85. AMTD graduated 46 students from the following countries: Australia 3, Bangladesh 2, Denmark 5, Germany 27, Korea 1, Malaysia 2, Norway 5, and Saudi Arabia 1. AMTD conducted one tour in Charleston, South Carolina, and 1 luau reception. AMTD Soccer team won the Spring Sports Fest Soccer Championship, and placed second in the Fort Rucker Intramural Soccer League. During

the third quarter, 1979, average foreign student strength was 78. AMTD graduated 63 students from the following countries: Argentina 1, Australia 2, Denmark 1, Germany 18, Greece 2, Israel 1, Korea 22, Netherlands 5, Norway 5, Saudi Arabia 2, Taiwan 2, Venezuela 1, and Yemem 1. During the fourth quarter, 1979, average foreign student strength was 56. AMTD graduated 49 students from the following countries: Australia 3, Denmark 5, Germany 24, Greece 1, Korea 1, Norway 1, Pakistan 2, Saudi Arabia 3, Spain 2, Switzerland 5, Thailand 2, and Turkey 1.

46TH ENGINEER BATTALION (COMBAT) (HEAVY)

MISSION:

Engineer Units: Constructs and rehabilitates roads, airfields, pipeline systems, structures, and utilities for the Army and Air Force; and assists in emergency recovery operations. Increases the combat effectiveness of division, corps, and theater Army forces by means of engineer combat support and general engineer work. Performs infantry combat missions when required.

Attached Units: Provides refueling and storage capability to US Army contingency missions. Provides motor transportation of bulk petroleum products. Provides ground evacuation and medical support. Provides balanced and flexible EOD support. Provides fire fighting crash rescue assistance.

Fort Rucker Support: Maintains combat readiness of STRAF and REFORGER units; provides engineer troop construction and maintenance support for Fort Rucker; provides line hauling and refueling at stagefields; provides general support USAAVNC training activities; supports contingency requirements; and conducts parades, ceremonies, and funerals as directed.

ORGANIZATION:

The 46th Engineer Battalion (CBT)(HVY) consists of the following units:

Headquarters and Headquarters Company
A Company (-)
B Company
C Company

Detached Units:

D Company (Fort McClellan, AL)
A Company Quarry Section (Fort McClellan, AL)

Attached Units:

108th Quartermaster Company
416th Transportation Company
427th Medical Company
123d Explosive Ordnance Detachment
91st Engineer Detachment (Firefighting)

PERSONNEL:

Battalion Commanders for 1979 were:

LTC James H. Andrews	1 Jan 79 - 14 Dec 79
LTC Cal D. Johnson	14 Dec 79 - 31 Dec 79

Command Sergeants Major for 1979 were:

MSG Robert D. Olinger	1 Jan 79 - 23 Feb 79
MSG Lister H. Reeves	23 Feb 79 - 16 May 79
CSM Clayton L. McKelvie	16 May 79 - 31 Dec 79

Company personnel for 1979:

Headquarters and Headquarters Company

Commander	CPT Randy F. Hudson	1 Jan 79 - 14 Dec 79
	CPT Robert S. Christensen	14 Dec 79 - 31 Dec 79
First Sergeant	1SG John L. Blaton	1 Jan 79 - 2 Apr 79
	SFC James E. Andrews	2 Apr 79 - 24 Sep 79
	1SG Travis T. Turner	24 Sep 79 - Present

A Company

Commander	CPT Richard J. Berish	1 Jan 79 - 8 Mar 79
	CPT James D. Matlock	9 Mar - Present
First Sergeant	1SG Jesse H. Gaddy	1 Jan 79 - 1 Jun 79
	1SG Travis T. Turner	1 Jun 79 - 21 Sep 79
	1SG Fred Scott	21 Sep 79 - Present

B Company

Commander	1LT Stephen J. Butler	1 Jan 79 - 7 Dec 79
	CPT Edwin Janasky	7 Dec 79 - 31 Dec 79
First Sergeant	1SG Richard L. Ramirez	1 Jan 79 - 31 Dec 79

C Company

Commander	CPT Scott B. Cottrell	1 Jan 79 - 31 Dec 79
First Sergeant	1SG Lister Reeves	1 Jan 79 - 19 Mar 79
	SFC James McDaniel	19 Mar 79 - 4 Jun 79
	1SG Charles E. Rainer	4 Jun 79 - Present

108th Quartermaster Company

Commander	CPT Paul E. Tommey	1 Jan 79 - 12 Apr 79
	CPT James F. Johnson	12 Apr 79 - Present
First Sergeant	1SG John DeJesus	1 Jan 79 - 4 Jan 79
	1SG Charles E. Rainer	4 Jan 79 - 16 Jul 79
	1SG Larry Vincent	16 Jul 79 - Present

416th Transportation Company

Commander	CPT Donald G. Tucker	31 Aug 78 - 7 Dec 79
	CPT Jan E. Payne	7 Dec 79 - Present
First Sergeant	1SG Quitman Cobb, Jr.	Apr 79 - 5 Feb 80
	SFC Kenneth Rhea	5 Feb 79 - Present

427th Medical Company

Commander	CPT Vaughn E. Caudill	1 Oct 79 - 11 Dec 79
	CPT Houston T. Killgore	11 Dec 79 - Present
First Sergeant	1SG Charles Tatum	1 Jan 79 - 3 Dec 79
	SFC B. J. Clark	3 Dec 79 - 16 Jan 80
	SFC Richard T. Myers	16 Jan 80 - Present

123d Explosive Ordnance Det

Commander	CPT David L. Thompson	1 Jan 79 - Present
First Sergeant	MSG Harlon F. Mayo	1 Jan 79 - Present

91st Det

Commander	CPT Donald G. Tucker	31 Aug 78 - 7 Dec 79
	CPT Jan E. Payne	7 Dec 79 - Present
First Sergeant	1SG Quitman Cobb	Apr 79 - 5 Feb 80
	SFC Kenneth Rhea	5 Feb 80 - Present

ACCOMPLISHMENTS

The 46th Engineer Battalion began the new year with greater emphasis on training. Construction continued on selected projects, but the bulk of planning focused on combat training. From 22-26 January the battalion conducted an FTX at Fort Rucker. The 427th Medical Company chose the same week to conduct a three-day FTX from 22-24 January. Training continued through February; highlights include two weeks of night training for B Company, a four-day FTX by the 427th followed by four days of ARTEP training, and a two-day FTX by A Company. March was highlighted by ten days of ARTEP training for the 46th Engineer Battalion from 1-10 March. Construction was emphasized throughout the summer. A Company constructed a causeway at Lake Tholocco and aided the town of Elba with dredging support. B Company constructed three complex TVOR Sites, renovated Third Avenue Chapel, constructed a pistol range and rebuilt the entire Wildlife Complex at Lake Tholocco. C Company also constructed three difficult TVOR Sites, renovated the Troy Recreation Area and constructed the Parcours Course and addition. 108th Quartermaster Company and 416th Transportation Company provided outstanding support on JTX BOLD EAGLE at Eglin AFB. The Battalion finished the year by preparing for Abn readiness exercises and conducting an outstanding change of command parade.

SECTION II

TENANT ACTIVITIES

US ARMY AVIATION DEVELOPMENT TEST ACTIVITY

MISSION:

Plans, conducts, evaluates, and reports on the government test elements (EDT-G, ADVT-G, PQT-G); and monitors, evaluates, and reports on the contractor test elements (EDT-C, ADVT-C, PQT-C, PVT-C) of the single integrated development test cycle concept of aircraft and aircraft related support equipment.

Provides 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. Reviews and provides comments on contractor test plans and reports, and monitors contractor testing. Conducts other tests and evaluation as directed by the Commanding General, TECOM.

ORGANIZATION:

The US Army Aircraft Development Test Activity (USAADTA) 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. 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. The US Army Aircraft Development Test Activity (USAADTA) was officially redesignated as the US Army Aviation Development Test Activity (USAAVNDTA) by Permanent Orders 38-1, Headquarters, US Army Materiel Development and Readiness Command, dated 15 May 1979, with an effective date of 6 June 1979. The name change to include the word "Aviation" is more descriptive of the overall mission of the Activity which is developmental testing of aircraft, aircraft components and aircraft related support equipment. The Activity underwent a major reorganization which was effected on a provisional basis on 6 June 1979 simultaneous with change of name. The reorganization was subsequently approved by HQ, DA, 5 November 1979. The reorganization was based upon the need to realign all available manpower assets to enhance the technical capability required for mission accomplishment. The Activity was reorganized into a headquarters element (which includes Office of the Commander, Safety Office, AAH Test Team, Security Office, QAR Office Headquarters Company and Adjutant), the Office of Deputy Commander for Test with three functioning divisions (Test Programs, Aircraft Test, and Systems Test), the Data Support Division, and a Test Support and Logistics Division. See Activity organizational chart on page 166.

PERSONNEL:

Year end authorized personnel strengths were 324 military and civilian personnel (31 officers, 12 warrant officers, 188 enlisted personnel, and 93 DACs).

Key personnel assignments during the year were:

<u>Position</u>	<u>Personnel</u>	<u>Dates</u>
Commander	COL William E. Crouch, Jr.	1 Jan - 31 Dec 79
Technical Director	Dr. James S. Kishi	1 Jan - 31 Dec 79
Adjutant	MAJ Colon J. Keel, Jr.	1 Jan - 31 Dec 79
Deputy Commander for Test	COL William F. Lang, Jr.	1 Jan - 31 Dec 79
Chief, Test Programs Division	MAJ William Benjamin LTC William T. Schwend	28 Feb - 3 May 79 4 May - 31 Dec 79
Chief, Aircraft Test Division	MAJ James R. Hefner	1 Jan - 31 Dec 79
Chief, Systems Test Division	MAJ Patrick E. Stewart	1 Jan - 31 Dec 79

Chief, AAH Test Project	LTC Billy W. Taylor	1 Jan - 31 Dec 79
Chief, Data Support Division	DAC Virgil R. Rogers, Jr.	6 Jun - 31 Dec 79
Chief, Test Support and Logistics Division	MAJ Louis A. McAdams	1 Jan - 31 Dec 79
Commanding officer, Headquarters Company	CPT Randall G. Oliver	1 Jan - 31 Dec 79
First Sergeant, Headquarters Company	1SG Nicholas K. Smythe	1 Jan - 27 Jul 79
	1SG Calvin Mullins	27 Jul - 15 Nov 79
	1SG Wayne A. Dorman	15 Nov - 31 Dec 79

QUALITY ASSURANCE AND REVIEW OFFICE

MISSION:

Provides staff supervision over the USAAVNDTA Quality Assurance Program and staff assistance to insure the consistency and validity of the Activity's processes and their accomplishment in an efficient and economical manner. Included in these functions are the quality assurance assessment of test plans and reports, test methodology and procedures, RAM inferences and statistical methods, instrumentation requirements and calibration. The primary objective is to encourage excellency and to secure the cooperation and expertise of persons qualified in unique or specialized fields where and whenever required, in order to insure that coordinated quality assurance operations are incorporated and applied to all facets of USAAVNDTA activities.

ORGANIZATION:

The Quality Assurance and Review Office was established 6 June 1979 under the provisions of DARCOM Orders 38-1, which redesignated the US Army Aircraft Development Test Activity to the US Army Aviation Development Test Activity. Under TDA XMW376AA, the office is staffed with one Supervisory Operations Research Analyst, one Operations Research Analyst, one Electronics Engineer Technician, one clerk-steno, and one Plans and Operations Specialist (currently vacant).

ACCOMPLISHMENTS:

During this period, the QAR office received 29 final test plans and reports. These plans were reviewed and evaluated for quality assurance effectiveness in test planning and test conduct, insuring that established standardized testing methods were incorporated. Such procedures are periodically reviewed to exploit advances in the state-of-the-art.

A Project Personnel Manual, USAAVNDTA Pam 70-2, was published in July 1979. This manual provides guidance to USAAVNDTA personnel for test planning, test conduct, and test reporting. The manual has been updated quarterly with "lessons learned" analyses based on after-action reviews by test project personnel.

The purpose of the Test Operations Procedures (TOPS's) program is to update the Activity's testing procedures from the service test concept to development testing under the single integrated development test cycle. Under the TOP's program, four Materiel Test Procedures documents have been rewritten and converted to Test Operations Procedures. Documents written are TOP's 7-3-521, Climatic Chamber Testing (Aircraft, Engines, Armament, and Avionics); TOP's 7-3-528, Aircraft Anti-Icing/De-Icing; TOP's 7-3-519, Photographic and Video Image Support (Aviation Materiel); and TOP's 6-3-526, Functional Requirements/Aircraft Test Instrumentation (Aviation Materiel). An open-end contract with Essex Corporation has been effected, bringing to USAAVNDTA a Human Factors Engineer who will be responsible for the conduct of the HFE test of the CH-47D helicopter, interfacing with appropriate government, system and subsystem contractor and military personnel, in order to coordinate the HFE test within the overall system test schedule.

This office serves as contact point for matters pertaining to Value Engineering (VE). The objectives of the VE program are (1) to reduce the overall cost of Army operations, supplies and services; and (2) to obtain total value improvement in research, development, test and evaluation, production, procurement, quality assurance, administration, construction, supply, transportation, maintenance, storage and disposition of Army materiel. Four VE proposals have been submitted to Headquarters, US Army Test and Evaluation Command, three of which were approved for implementation, representing a total cost savings of \$251,053.00.

Methodology investigations requiring approximately 1,200 man-hours have also been conducted during this period.

HEADQUARTERS COMPANY

ACCOMPLISHMENTS:

The unit won the US Army Test and Evaluation Command Commander's Reenlistment Award for the second consecutive year. The company attained 133 percent of its first term objective and 106 percent of its careerist goal.

SP5 Bud Allen was runner-up for the Fort Rucker NCO of the Year Honors, 24 March 1979.

The Activity won its third consecutive Post Intramural Bowling Crown on 4 April.

DEPUTY COMMANDER FOR TEST TEST PROGRAMS DIVISION

ACCOMPLISHMENTS:

During FY 79, the Activity averaged 103 projects in the planning, testing, and reporting phases; 65 new projects were initiated; 66 projects were retired to historical files of which 11 were terminated and 55 were completed. Testing was accomplished at Edwards Air Force Base, California; Mohave Desert, California; Yuma Proving Ground, Arizona; White Sands Missile Range, New Mexico; Fort Bliss, Texas; Eglin Air Force Base, Florida; China Lake, California; Fort Campbell, Kentucky; Stratford, Connecticut; Fort Bragg, North Carolina; and Fort Greely, Alaska.

There were 8,868 flight hours flown in accomplishment of our test programs during 1979.

MAJOR AIRCRAFT SYSTEMS (1979):

During the year USAAVNDDTA conducted Black Hawk (UH-60A) aircraft tests that included XM-130 Compatibility at White Sand Missile Range, New Mexico; Desert Test at Yuma Proving Ground, Arizona; and Northern CONUS Winter and Cold Regions at Fort Greely, Alaska. RAM data was collected on all test flights.

Several mission flexibility kits were also evaluated.

The Activity supported the AAH development tests at Yuma Proving Ground with project officers, pilots, and engineers throughout the year. The Activity took possession of the new YCH-47D Chinook helicopter in December of 1979 and commenced the DT II testing. A second CH-47D will be delivered in first quarter of 1980. The program calls for 280 flight hours.

AIRCRAFT ENGINE:

The T55-L712 engine, a project improvement of the T55-L11 ASA and 11D engines, began RAM growth testing at USAAVNDDTA in August of 1978. The current program requires 2,400 flight hours on each of two engines over the next 24 months. To date, 1,782 flying hours have been accomplished. USAAVNDDTA is currently operating four of these engines.

A second object of the test is to establish a TBO of 2,400 hours, while evaluating early diagnostic problems that might affect the CH-47D program.

AIRCRAFT SURVIVABILITY EQUIPMENT (1979):

Major Survivability Equipment programs consisted of the following:

- SP testing of the General Purpose Dispenser XM130 installed in the CH-47C
- PQG testing of the IR Suppressor for OV-1
- PQG testing of the AH-1S Hot Metal and Plume Suppressor
- PI Testing of the Improved Bell Scoop for UH-1
- FE testing of the OV-1D Suppressor "B" Kit Fit Check
- SS Testing of the DA Special Evaluation
- FE testing of the Improved Bell Scoop "B" retrofit on AH-1S Aircraft
- PQG testing of the AN/ALQ-136 Radar Jammer
- E2G testing of the AN/ALQ-156 Missile Approach Detector
- PQT-G testing of the AN/APR-39(V)2 Radar Warning Receiver

**DEPUTY COMMANDER FOR TEST
AIRCRAFT TEST DIVISION**

ACCOMPLISHMENTS:

The Aircraft Test Division completed 14 projects during 1979. Nineteen test reports, 8 test plans, and 226 progress reports were published. Some of the significant tests and areas requiring major resources during the year were:

UH-60A Black Hawk Helicopter:

- Reliability, Availability, Maintainability, and Durability (RAM-D) Testing.
- Prototype Qualification Test-Government of Mission Flexibility Kits.
- Desert Environmental Testing.
- Arctic Winter Environmental Testing.

CH-47() Chinook Helicopter:

- Technical Feasibility Test of Cold Weather Startin of CH-47C with JP-8 Fuel.
- Prototype Qualification Test-Government of YCH-47D Helicopter.

OH-58C Helicopter:

- Verification Testing.
- Cold Weather/Snow Ingestion Testing.
- Climatic Laboratory Testing.

Other:

Technical Feasibility Test of Cold Weather Starting of AH-1S, OH-58C, and UH-1H Helicopters with JP-8 Fuel.

Prototype Qualification Test-Government of Flotation Kit for Helicopter Aircrewmembers/Passengers.

DEPUTY COMMANDER FOR TEST SYSTEMS TEST DIVISION

ORGANIZATION:

During 1979, Systems Test Division was divided into three main branches and one support branch. The Project Branch, ASE Branch, and SFTS Branch were organized based on projected workload. The average workforce in the Systems Test Division during 1979 was 22 military and civilian personnel.

ACCOMPLISHMENTS:

The Systems Test Division completed 16 projects during 1979. Eight test plans and 10 test reports were published. Some of the significant tests were:

AH-1S Plume Suppressor

AH-1 SFTS (2B33)

Variable Density NVG Filters

UH-1 Improved Bell Scoop

AH-1S Improved Bell Scoop

AAH EDT-3

SPADE

TEST SUPPORT AND LOGISTICS DIVISION FLIGHT OPERATIONS BRANCH

ACCOMPLISHMENTS:

During FY 79 the Flight Operations Branch was visited and evaluated by several major commands. These included DARCOM, TECOM, and the Directorate of Evaluation and Standardization, Fort Rucker, AL. Satisfactory ratings were received during each visit.

The TECOM Commander was qualified in UH-60 Black Hawk during his visit during the month of September 1979.

The Flight Operations Branch supported the Activity by scheduling and dispatching aircraft and aircrews in support of approximately 100 developmental tests during FY 79. A total of 8,675.8 flying hours was accomplished. In conjunction with the test and test support mission, 258 standardization checkrides were administered; 101 instrument qualifications were renewed, and 52 qualifications were completed.

TEST SUPPORT AND LOGISTICS DIVISION MAINTENANCE SUPPORT BRANCH

ACCOMPLISHMENTS:

The Maintenance Support Branch supported over 100 active developmental tests during FY 79. Many of the tests were supported away from home stations at locations such as China Lake, CA; Las Vegas, NV; Panama Canal Zone; Ft. Greely, Alaska; and Ft. Drum, NY.

This branch continued to monitor contractor performance and the Branch Chief was a member of the Evaluation Board that awarded a new maintenance contract at Ft. Rucker for FY 80.

The branch participated in and coordinated several major DOD tests during the year, two of which were J-Catch and DA Special Evaluation.

Aircraft technical inspectors were tasked to support TECOM IG teams and logistics inspection teams at various TECOM installations.

TEST SUPPORT AND LOGISTIC DIVISION

LOGISTICS MANAGEMENT BRANCH

ACCOMPLISHMENTS:

The Logistics Management Branch supported over 100 active developmental tests during FY 79. These tests were supported at Ft. Rucker and numerous other installations including Ft. Drum, NY; Ft. Greely, Alaska; China Lake, CA; Ft. Bliss, TX; Panama Canal Zone; and Eglin AFB, FL.

The Logistics Management Branch was visited and evaluated by DARCOM and TECOM supply management and IG teams. The DARCOM Proper Count Team had many laudatory comments for the activity and awarded an outstanding rating for the visit.

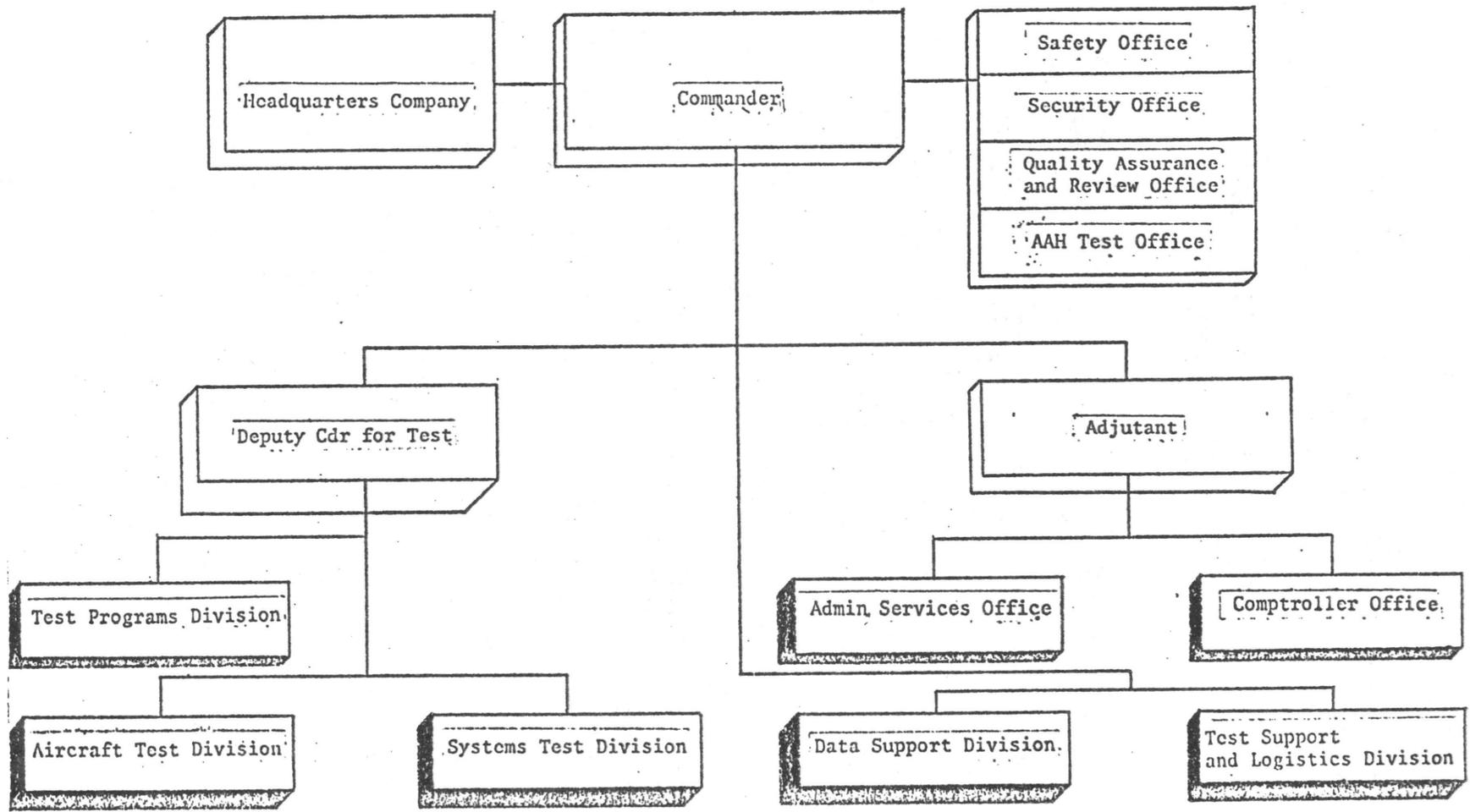
Data Support Division was established as a result of reorganization of the Activity. During 1979 accomplishments of the division consisted of continued support of phases of testing requiring services of the Instrumentation Lab, Math and Computer Lab, and the Photo/Optics/Arts Lab.

In 1979 the Photo/Optics/Arts Lab provided support for the normal mission of USAAVNDTA as well as providing similar support for the Aviation Test Board.

The Instrumentation Lab increased its capability by the addition of \$108,000 in airborne data acquisition equipment. Major tasks supported by the Instrumentation Lab were the APR-39 evaluation, UH-60 Black Hawk evaluation, and the CH-47 Engine Program, for which extensive instrumentation packages were fabricated.

Major accomplishments of the Math and Computer Lab consisted of acquisition of a new IBM 4331 computer system with remote terminals for use by the Activity.

US ARMY AVIATION DEVELOPMENT TEST ACTIVITY



US ARMY SAFETY CENTER

MISSION:

Within the scope of AR 385-10, USASC will support the Army Safety Program in the conservation of manpower and materiel resources to enhance the combat effectiveness of the US Army. The Commander, US Army Safety Center, is the US Army Aviation Safety Officer and the principal US Army representative on the NATO Flight Safety Working Party.

ORGANIZATION:

The mission and principal functions of the US Army Safety Center, a field operating agency of the Deputy Chief of Staff for Personnel (DCSPER), are contained in AR 10-29. The Director, Human Resources Development, ODCSPER, is responsible for supervision of the Army Safety Program. Program administration is delegated to the Director of Army Safety who is responsible for staff supervision of USASC. The Commander, USASC, is responsible for implementation of Army Safety Program activities.

The USASC is organized under Table of Distribution and Allowances, Number SFWOJ7AA. Authorized strength is 162 military and civilian personnel including 37 officers, eight warrant officers, 17 enlisted personnel, and 100 Civil Service employees. In addition to the above, three Reserve Component (ARNG) officers are assigned. The Safety Center is organized internally as follows:

- Office of the Commander
- Directorate for General Safety
- Directorate for Education and Evaluation
- Directorate for Aviation Systems Management
- Directorate for Investigation, Analysis and Research
- The Administrative Division
- The Communication Arts Division
- The Management Information Systems Division

PERSONNEL:

COL Edward E. Waldron, II, assumed command of the Army Safety Center on 25 September 1978.

COL Joel J. Mikuta was assigned as Deputy Commander on 1 November 1979.

Principal military staff members are:

- COL J. Samuel Griffith, Flight Surgeon
- LTC Thomas J. Warr, Executive Officer
- COL Raydean H. Patterson, Director of General Safety
- COL Langley J. Chavis, Director of the Aviation Systems Management
- COL Francisco Trevino, Jr., Director of Investigation, Analysis and Research
- LTC Ronald H. Jones, Director of Education and Evaluation
- MAJ Joe A. Cole, Jr., Legal Officer
- SGM Fred Brown, III, Sergeant Major

Civilian members of th commander's staff are:

- Mr. Harold M. Myers, Chief of the Management Information Systems Division
- Mr. William E. Carter, Chief of the Communications Arts Division

ACCOMPLISHMENTS:

TRAINING:

Programs of Instruction: During FY 79 the following courses were conducted:

Aviation Safety Officer Course (ASOC) - 122 graduates. An eight-week Additional Skill Identifier (ASI) course which provides education and training techniques for conducting an effective aircraft accident prevention program and aircraft accident investigation. Four ASOCs were taught in 1979.

Aviation Mishap Prevention Course (AMPC). A two-week resident, non-ASI producing course for officers/civilians to familiarize them with the techniques of establishing and conducting aircraft accident prevention programs and aircraft accident investigations. Also presented as a one-week course onsite at various locations worldwide. Graduates for both resident (four courses) and onsite (one course) totaled 223 for 1979.

Aviation Mishap Prevention Management Course (AMPMC). A two-week ASI producing course for NCOs (ASI A2) and civilians for the purpose stated in above courses. This course was also presented in a one-week onsite form. During 1979, six courses were conducted in residence and seven courses onsite, yielding a total of 460 graduates.

Fundamentals of Army Accident Prevention (FAAP). A two-week resident course of instruction for company grade officers, warrant officers, NCOs, (E-6 & above), and GS civilians (GS-11 and below) to enable them to initiate and manage an accident prevention program appropriate to intermediate levels of tactical or installation organizations. This course is available in a one-week onsite form. This course was presented once in 1979 with 35 graduates.

Army Safety Program Management Course (ASPMC). A two-week resident course for civilian/officer safety personnel to enable them to manage or participate in division, installation, or higher level accident prevention programs. This course was presented three times in 1979 with 90 graduates.

Range Safety Course (RSC). A two-week resident course of instruction for field grade officers/DA civilians (GS-9 and above) with range safety responsibilities. The course includes the broad scope of overall range safety and hazards of particular weapon systems in combined arms live firing. This course (new) was presented one time in 1979 with 23 graduates.

OSHA Compliance Management Course. A one-week resident course for civilian/military personnel to enable them to manage OSHA compliance management activities at division, installation, or higher levels within the scope of the Army Safety Program. This course was presented three times in 1979 with 88 graduates.

Special Educational Presentations. Safety instruction was conducted for Active/Reserve Component Units/personnel and select civilian agencies at various installations and geographical locations. Instruction was also conducted in support of the following courses conducted in-house by other DA schools/activities: Aviation Commander's Readiness Course, Aviation Warrant Officer Advanced Course, Initial Entry Rotary Wing Course, the Flight Surgeon's Course, and the Army Safety Manager's Seminar. Attendees at these courses totaled 6,344.

SUMMARY:

Total students: 7,385.

Other service students: US Navy (1), US Coast Guard (1), US Marine Corps (3), US Customs (6).

International Students: Germany (16), Holland (2), Korea (2), Turkey (1), Israel (1), Canada (1).

Non-CONUS areas visited: Germany, Hawaii, and Panama.

Education Credit Evaluation: The Office on Educational Credit and Credentials, American Council on Education, granted various semester hour credits for resident courses conducted by the US Army Safety Center. Breakdown of credits by course and educational level is as follows:

Army Safety Program Management, 7K-F9, two weeks, August 1977.

Upper-division Baccalaureate: Two semester hours in industrial safety management. US Army Aviation Safety Officer, 7K-F12, 8-10 weeks, March 1977.

Upper-division Baccalaureate: Four semester hours in aviation safety.

Graduate: Three semester hours in aviation accident investigation. Aviation Mishap Prevention Management), 7K-F13, two weeks, August 1977.

Lower-division Baccalaureate/Associate Degree: Two semester hours in aviation safety and accident investigation.

Aviation Mishap Prevention (Aviation Accident Prevention), 7K-F14, two weeks, April 1977.

Lower-division Baccalaureate/Associate Degree: One semester hours in aviation safety and accident investigation.

Aviation Mishap Prevention Surveys. During 1979, students in the ASO course conducted mishap prevention surveys at four installations. The purpose of the surveys was to provide ASO students a realistic environment for the application of accident prevention principles learned in the classroom; to provide onsite commanders with mishap prevention feedback for use at their discretion; and to provide the US Army Safety Center with an evaluation tool for measuring accomplishment of course objectives.

Safety Assistance and Field Evaluations (SAFE). With the continued redirection of assets to the Centralized Mishap Investigation (CAMI) concept, the SAFE program remained as a "by request only" service. During 1979, SAFE teams traveled to the Illinois ARNG, the Maryland ARNG, and Yuma Proving Ground, AZ. Plans are continuing to reintroduce a regular schedule early in 1980.

New Directions in Safety Education. At the direction of the Director of Army Safety, a Range Safety Course was developed and a test class presented in July 1979. The test proved successful and the first class was presented in USAREUR in FY 80. The class will be presented twice a year as a resident course and once a year at onsite locations.

GENERAL SAFETY:

Developed Army Safety Policy. The Safety Center developed a complete draft revision of AR 385-55, Motor Vehicle Accident Prevention. This new regulation incorporates new missions, procedures, and policy guidance that will serve to implement DOD requirements.

Developed Army Safety Objectives for FY 80. The Safety Center developed and recommended the final program of objectives for Armywide coordination and DA approval.

Supported the Objectives 79 Program. The Safety Center developed and distributed a field support kit on civilian injuries and completed work on a similar Army Motor Vehicle (AMV) support kit. Progress has been well ahead of schedule in the development and fielding of a plan of action in support of the Army's Contingency Objectives. FY 79 accident experience was reversed downward in several targeted areas during the year.

Conducted a POV Program. A USASC developed POV Accident Prevention Program implemented by Ft. Hood proved successful. During the test at Ft. Hood, POV fatalities were reduced by 60%.

Fielded a Questionnaire on the Relationship Between Safety and Health Personnel. Developed and fielded a questionnaire to determine occupational health program and safety program interface problems. The resultant information, which is undergoing analysis, should highlight areas where improvements are possible.

Fielded the COUNTERMEASURE Publication. Three issues of COUNTERMEASURE, a commander oriented, mass distribution monthly publication, were fielded in 70,000 copies. These issues carried highly relevant accident prevention information and data in a format that commanders can effectively use.

Reorganized and Expanded the General Safety Element in the Safety Center. The Safety Center's General Safety element was raised to directorate status and expanded to 16 authorized spaces. Further planning and justification were completed for a directorate with 46 personnel.

Developed a Model Reporting System. The Safety Center developed and supervised the conduct of a test of the model program at several locations in the Army. The test confirmed key concepts relating to sampling procedures and report simplification which have been incorporated into a revised Army Mishap Reporting System.

Operated a Safety Information Bank (SIB). This bank of safety information consists of staff actions, promotional materials, and other actions collected from field units for distribution to Army safety managers. Over 1,000 items have been provided to the field during 1979.

Completed Two Semiannual Reviews of Accident Experience. These reviews were presented to senior safety officials on the DA staff. The reviews highlighted problems and solutions, and generated increased concern for improvements in general safety countermeasure efforts.

Developed a Model Installation Program. The Safety Center completed a successful test of the model at three installations. The model basically highlights the need for coordination of mishap prevention efforts at installation level and the methods to direct and support priority actions. Lessons learned from the test are being applied to new doctrine development.

Conducted a Third Drowning Prevention Program. This program includes new and expanded promotional material and guidance to assist commanders in efforts to significantly reduce drownings associated with the "Cold Water Syndrome." In addition this new campaign includes procedures to prevent operational drownings.

AVIATION:

CENTRALIZED MISHAP INVESTIGATION. After one and a half years of experience investigating aircraft mishaps under Centralized Mishap Investigation (CMI) procedures, the program was assessed. In February 1979, USASC requested comments from all major command headquarters that had mishaps investigated under the CMI program. In general, all comments received were oriented toward continuation of the program with refinements from lessons learned. The most significant change to CMI procedures was that the decision to investigate a mishap will be made on a case-by-case basis by the Center. The decision will not be based on classification alone but will consider the type of mishap, circumstances surrounding the event, and the potential benefit to the overall mishap prevention program. USASC concluded that the CMI program has produced better quality investigations, more accurate and complete reports than any previous system, and, therefore, better data for analyses and subsequent development of preventive actions. The CMI program has been validated, and USASC's authority to investigate selected mishaps has been included in AR 10-29. Forty-four mishaps were investigated under the program this calendar year.

AIRCRAFT SUPPORT TO USASC. Two C-12 aircraft were assigned to USASC for the entire year. Aircraft 73-22265 was flown 560 hours and 76-22563 was flown 664 hours. Fifteen assigned aviators are qualified to fly the aircraft. The aircraft are primarily used to transport aircraft accident investigation teams to/from mishap sites in support of the Centralized Investigation program.

Analysis of FY 78 Army Aircraft Accidents: A report of the Analysis of FY 78 Army Aircraft Accident (Accident Prevention Guide for Aviation Resource Managers) USASC Technical Report, TR 79-3, May 1978, an expanded version of FY 77 and FY 76 reports, was distributed to DA staff and MACOMs. The report was also distributed to aviation units at the installation level, laboratories, and libraries. Two printings of the report totaled 550 copies. The report of the analysis made of 69 accidents identified 27 different aviation system inadequacies. The top five inadequacies based on frequency of occurrence, severity of injury to men, severity of damage to the aircraft, and accident cost were (1) inadequate judgment, (2) improperly designed equipment, (3) inadequate written procedures, (4) inattention, and (5) inadequate mood or motivation.

Forced and Precautionary Landing Cost Survey. Analysis made of the 521 responses to a questionnaire initiated in March 1978 that extended over a six-month period revealed that: (1) forty-two percent of the forced landings (F/Ls) and 39 percent of the precautionary landings (P/Ls) caused the mission assigned the mishap aircraft to be cancelled; (2) manhours lost by personnel aboard the mishap aircraft tended to vary with the effect the mishap had on the mission; (3) maintenance personnel, when required for recovery of mishap, averaged approximately 8 hours per operation; (4) mishap aircraft were out of service for an average of 44 hours; (5) recovery of mishap aircraft was accomplished at the expense of scheduled ongoing operations; (6) sixty percent of the 159 malfunctioning components that were identified as cause of the mishap had a history of failure of greater than 5 years, while 30 percent had a history of failure of at least 8 years. The report, Survey of Forced and Precautionary Landings Cost, USASC Technical Report - TR 79-4, July 1979, was distributed to DA staff and MACOMs.

Trend Analysis. Statistical analysis made of the frequency Army aircraft accidents occur resulted in the development of a concise mathematical model which reflected long-term trends and seasonal influences. The model was tested against the accidents that occurred in FY 79 and was used to forecast the occurrence of accidents in FY 80. Details of the analysis are contained in Dean, R.N., "Accident Frequency - Trends and Forecast for Army Aviation," USASC, August 1979 - unpublished.

Joint Training Exercise Participation. Chief of Staff Memorandum 76-95-66, 30 December 1976, directed the USASC (1) participate in all major training exercises wherein aviation assets are extensively employed and (2) participate in all operational tests of new aircraft and simulators. The Worldwide Standardization Policy Board Conference conducted in November 1978 approved continued participation in major training exercises and operational testing. This requirement is now included in AR 10-29, Organization and Functions, US Army Safety Center. These requirements have been expanded to include General Safety in major training exercises and selected aviation-related items for operational testing. Beginning with REFORGER 79, a four-man team consisting of two Aviation Safety and two General Safety personnel have participated in all major training exercises.

Major Training Exercise Participation. Representatives from the US Army Safety Center have participated in the following exercises:

REFORGER 79, February 1979, Germany
BRAVE SHIELD XIX, March 1979, Fort Hood, TX
BRAVE SHIELD XX, August 1979, Fort Lewis, WA
BOLD EAGLE 80, October 1979, Eglin AFB, FL

Exercises scheduled for future participation in CY 1980 include:

EMPIRE GLACIER, January 1980, Fort Drum, NY
GALLANT EAGLE 80, Mar-Apr 1980, Fort Irwin, CA
BRAVE SHIELD XXI, August 1980, Fort Polk, LA
REFORGER 80, September 1980, Germany

Operational Testing Participation. Representatives of USASC have been involved in test activities through review of test plans, reports, or actual observation of the following tests:

AH-1 Flight Simulator, UH-60 IOC-FDTE, AN/APR-39(V)2, and FLIR Augmented Cobra Tow System, all of which are in report preparation phase.

OH-58C Follow-on Evaluation and Variable Filters, which are in the test phase.

UH-60 Flight Simulator and AH-1 Fire Control System, which are in test planning phase.

In addition to attending several conferences to coordinate the tests, three trips were made to Fort Campbell to observe tests and question participants about the operation and maintenance of the UH-60. The operational testing has been completed, and a report of the testing is being formulated.

Wire Strike Protection System (WSPS). This was an area of priority and progress during 1979. Since January 1974, there have been 136 Army aircraft accidents resulting in 32 fatalities, 50 injuries, and over \$11.5M in damage. Bristol Aerospace Limited of Winnipeg, Canada, tested and will field a WSPS for the OH-58 in February 1980. Blueprints for the UH-1 and AH-1 WSPS were formulated, and unsolicited proposals will be submitted to TSARCOM for those systems. USASC participated in testing of the OH-58 WSPS in Canada and by the Army Applied Technology Laboratories at the NASA Test Facility, Langley Field, Virginia. The Army is pursuing expedited procurement of the WSPS with the following priorities: OH-58, UH-1, and AH-1. These aircraft are involved in excess of 95 percent of the wire strikes.

UH-1 Hub Restraint. As one of the most promising counters to the mast bumping problem, this item has taken on added importance in view of the plan to extend the life of the UH-1. In order to minimize and/or eliminate the mast bumping hazard associated with the teetering rotor system, the US Army Applied Technology Laboratory and Bell Helicopter Textron has undertaken a developmental effort to design, fabricate, install, and test a hub restraint system. The system comprises bracketing that is attached to the main rotor hub and to the mast, connected by rubber shear pads and rubber snubbers. In extreme flapping situations, the shear pads are loaded and the snubbers prevent metal-to-metal contact between the hub and mast. Preliminary flight test results indicate an improvement in low "G" characteristics and improved control power.

The International Society of Air Safety Investigators Seminar. A representative from the US Army Safety Center (USASC) attended the 1979 Annual Seminar of the International Society of Air Safety Investigators (ISASI) in Montreal, Quebec, Canada. One hundred and thirty-five people representing sixteen countries were present. Twenty-four formal papers were presented on the subject, "The Air Safety Investigator's Role in Accident Prevention."

Aviation Hazard Reduction. The Aircraft System Management Division continued to identify aviation system hazards and take action to reduce or eliminate the hazards through coordination with responsible organizations. A "Study of Army Aircraft Maintenance-Error Mishap Experience" was published in October 1979 which identified the role played by maintenance error during the period 1 Jan 74-31 Mar 79. Findings were distributed to appropriate DA action agencies. Computer Analysis of Materiel Problems (CAMP) data were provided to TSARCOM in an effort to reduce materiel related problems. Periodic reviews of each aircraft system have been initiated to exchange information between all elements of the Safety Center concerning the status of hazard analysis and corrective actions relating to that system. The Aircraft System Managers have been designated as the interface between the Safety Center and outside activities on all matters concerning the specific aircraft system.

Memorandum of Agreement (MOA). The interrelationship between Troop Support and Aviation Materiel Readiness Command (TSARCOM) and USASC was reformed by an updated MOA signed on 10 December 1979. The purpose of the agreement is to facilitate the identification, prioritization, and resolution of maintenance/materiel problems involving aircraft safety. Key elements of the agreement are exchange of usage, malfunction and mishap data; participation of the appropriate USASC System Manager in the TSARCOM Readiness Project Officer (RPO) Team functions; and participation of the USASC Director of Aviation Systems Management in the TSARCOM Aircraft System Safety of Flight Review Committee (TASSFRC).

Accident Information Retrieval System (AIRS). Development of AIRS hardware for brassboard and flight testing continued. A draft Required Operational Capability (ROC) was developed by the USASC and approved for worldwide staffing in November 1979. Approval of this ROC is required to support advanced development and fielding of AIRS in new development aircraft. In December 1979, USASC initiated, in support of the ROC, a study to document the Armywide benefits of flight data recorders (FDRs). USASC also initiated and chaired a tri-service meeting for exchange of FDR technology. Held in June 1979, this meeting revealed that there was potential for tri-service development of FDR technology.

System Safety Panel. During 1979, USASC chaired the tri-service System Safety Panel. Organized under the auspices of the Joint Services Aviation Safety Conference, the goal of this panel is to enhance the effectiveness of system safety throughout DOD. Major accomplishments during the year were the initiation and publication of DODI 5000.36 (System Safety Engineering and Management) and initiation of system safety training at the Defense Systems Management College, Ft. Belvoir, VA.

Engineering Analysis of Crash Injury. The analysis of crashworthiness deficiencies in Army aircraft was continued. The objective of the study is the identification and prioritization of the major engineering causes of preventable crash injuries. Analysis of the OH-58A aircraft was completed in 1979, and study of the UH-1H was initiated. Results of these studies are being used by the TRADOC/DARCOM Joint Working Group for Aviation Life Support Equipment to prioritize efforts to improve the crashworthiness of the Army aircraft fleet.

Simulators in Aviation Accident Investigation, Research, and Prevention. An investigation was initiated in 1979 of the feasibility and desirability of the use of simulation to improve the investigation and research of Army aircraft accidents. Emphasis will be placed on existing Army simulator and computer facilities and developing appropriate organizational interfaces to ensure their timely use. Goal of the program is to reduce the time and expense required to investigate aircraft accidents, reduce the number of unknown accidents, and develop more effective countermeasures for the identified hazards.

Projected Accident Costs for the Advanced Scout Helicopter (ASH). USASC conducted an analysis of the economic benefits of providing crashworthiness and other safety-related design improvements within future scout helicopters. The analysis was performed for use by the ASH Project Manager and System Manager. The result of this study will be used in developing rationale and input to future Army and DOD reviews of the ASH and were published in USASC TR 80-1.

Crash Survival Evaluation of the RU-21B. A technical assessment was made of the RU-21B aircraft to evaluate its overall crash survivability and the influence of its mission equipment. The results indicated that the RU-21B in its present configuration has critical need for improvements in post-crash evacuation, delethalized crewstation operator restraint. Results of this assessment are being used to optimize the RU-21B system occupant survivability and to identify opportunities for improvement in new generation aircraft and were published as USASC TR 79-2.

Aircraft System Safety. USASC continued to participate closely with the aircraft manufacturer and materiel developer for the YAH-64 Advanced Attack Helicopter and CH-47D modernized Chinook to ensure that the optimum degree of safety is designed into these aircraft consistent with their mission requirements. Per the request of DARCOM, USASC performed an evaluation of the UH-60A to provide system safety input to the Human Factors Engineering Analysis and DSARC production decision for the Black Hawk.

MANAGEMENT INFORMATION SYSTEM:

Army Safety Computer. Justification and specifications for a dedicated large scale computer to support the Army Safety Program were approved by HQDA on 8 June 1979. A majority of the approved configuration was acquired via the ADPE reutilization program. Procurement action for the remaining items and services was initiated on 19 June 1979. Most essential equipment had been acquired by mid-November, and system testing was in progress as of 31 December 1979. A services contract, for operations of the computer site, is scheduled for award in January 1980.

Automation of TDY Budget Information. A management information system is being developed for the automation of TDY budget data. An in-house capability is required to facilitate ready access to up-do-date budget information on aircraft accident investigations and other TDY trips. Project is scheduled for completion in early 1980.

Reports.

The number of recurring safety reports (daily, weekly, monthly, etc.) which are being produced and provided to 47 DOD and civilian customers worldwide, increased from 111 in early 1979 to 139 at the beginning of 1980. This represents a 25-percent increase in recurring output, in addition to the 670 individual requests for nonrecurring reports which were processed during the year.

The US Army Safety Center processed and coded 20,613 input ground accident reports (DA Form 285) and 4,943 Preliminary Reports of Aircraft Mishap (PRAM). The Safety Center also received, processed, and coded 231 DA Form 2397 reports and 158 teardown analysis reports. Also, approximately 2,600 Accident Exposure Documents (DA Form 2398) were received and processed.

Joint Services Aviation Safety Conference (JSASC). USASC hosted the eighteenth Joint Services Aviation Safety Conference (JSASC) at Ft. Rucker in August 1979. This conference is an annual event that was attended by approximately 75 military and civilian safety specialists from the US Army, US Navy, and US Air Force plus the US Coast Guard, who comprised the principal delegates. Observers from other US Army and Federal agencies also attended. The conference is the primary forum available to the services to discuss and resolve matters of mutual interest and concern pertaining to safety.

NATO Flight Safety Working Party Meeting. The US Army was represented by USASC at the seventeenth meeting of the NATO Flight Safety Working Party (FSWP) held in Oberammergau, Germany, in June 1979. Military and civilian aviation safety specialists from all NATO member countries attended. Hosting responsibility rotates among the members and is on a volunteer basis.

Communications:

Films. The following training films were developed and produced in 1979 by the Army Safety Center:

TF 46-6119 - "Profile of an Accident - And Then There Were Two" - Recreation of an actual aircraft crash between an OH-58 and an AH-1.

Reforger - Safety Aspects

"May and Beyond" - NG Safety Campaign Film

"Inside the Army Safety Center" - (2 revisions) - Briefing film outlining mission and functions of the Army Safety Center.

Flight Surgeon's Presentation - Live recording of Dr. Griffith, Army Safety Center's Flight Surgeon, talking about the medical aspects of accident investigation.

"Semi-Annual Review" (2) - Review of Army accident experience for 1979.

Publications: Significant publications published by the Safety Center during 1979:

FLIGHTFAX (49 weekly issues)

SHARE (4 issues)

COUNTERMEASURE (3 issues)

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

Safety Talks for ASOs

What To Do and How To Report Military Aircraft Accidents

May and Beyond (National Guard Safety Campaign)

Subject/Directive Reference Index to Army Aviation Publications

TR 79-2 - Crash Survival Evaluation of the RU-21B

TR 79-3 - Analysis of FY 78 Army Aircraft Accidents

TR 79-4 - Survey of Forced and Precautionary Landing Costs

Joint Services Aviation Safety Conference Brochure and Final Report

Semi-annual Review of Army Accident Experience (2)

Maintenance Error Study

Posters, pamphlets, and folders distributed for a water safety campaign.

Posters, pamphlets, and folders distributed for a back injury campaign.

Posters, pamphlets, and folders developed for a backing campaign.

TR 80-1 - Projected Accident Costs for The Advanced Scout Helicopter

AWARDS:

Awards Program. USASC manages and has overall responsibility for the Department of the Army Aviation Accident Prevention Award Program as outlined in AR 672-74. This program consists of processing and issuing Department of the Army Awards of Merit, Honor, Excellence, and the Broken Wing Aviation Safety Award to qualified recipients. Awards issued from 1 January 1979 to 31 December 1979 were as follows:

Merit - 335

Honor - 111

Excellence - 74

Broken Wing - 70

US ARMY DENTAL ACTIVITY

MISSION:

Provides dental diagnosis, care, treatment, and consultation services to all eligible beneficiaries to include operation of two elementary school clinics in coordination with HEW. Established dental programs emphasize preventive dentistry and professional education. Dental specialty services for the Department of Dentistry are provided by the DENTAC.

PERSONNEL:

COL Kent M. Acomb, Commander (21 Jul 79 - Present)

COL Francis A. San Filippo, Commander (1 Jan 79 - 21 Jul 79)

ACCOMPLISHMENTS:

A preventive Dentistry Council has been established at Fort Rucker with representatives from each clinic. The purpose of this council is: to monitor the Army Oral Health Maintenance Program in each clinic; to plan for National Children's Dental Health Week Activities; to plan and monitor the Preventive Dentistry Program in each clinic; to assist in training graduates of the military hygiene course.

The Commander, DENTAC, and Public Health Dental Hygienist (PHDH), both recent arrivals, studied the AOHP as it had been executed in the past and felt a need for improvement. With ideas gathered from other posts and consideration of our unique conditions at the Army Aviation Center, a new program was developed and is now in trial stages. It is hoped that the new computerized program will be in operation during the first quarter of 1980. The flexibility of the new program should assist in improving unit participation.

The PHDH has taught prenatal classes as a part of the Community Health Program. She also gave a talk on her role in the community to two kindergarten classes at the Primary School.

Preventive dentistry activities are a regular part of our elementary and primary schools' dental program, year round. A recent screening in the classrooms of the Elementary School detected an apparent drop in the DMF rate.

US ARMY AEROMEDICAL CENTER

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.

ORGANIZATION:

The organizational structure is in accordance with Health Services Command Regulation 10-1 with approved deviations. The US Army Aeromedical Center Regulation 10-1 with current changes reflects detailed information.

PERSONNEL:

COL Daniel T. Sanders, M.D., Medical Corps, Commander, US Army Aeromedical Center, and Director of Health Services on the Commanding General's staff.

COL Donald L. Naylor, Medical Service Corps, Chief of Staff

COL Frank A. Pettyjohn, M.D., Medical Corps, Chief, Professional Services/Deputy for Aeromedical Activity

MAJ David M. Oatway, Army Nurse Corps, Chief, Preventive Medicine Activity

MAJ Robert V. Taylor, Veterinary Corps, Chief, Veterinary Activity

US LYSTER ARMY HOSPITAL

PERSONNEL:

COL Daniel T. Sanders, M.D., Medical Corps, Commander

COL Donald L. Naylor, Medical Service Corps, Chief, Professional Services

COL Barbara A. Sullivan, Army Nurse Corps, Chief, Department of Nursing (1 Jan - 5 Nov 79)

MAJ Helen C. Schotz, Army Nurse Corps, Acting Chief, Department of Nursing (6 Nov 79 - Present)

ACCOMPLISHMENTS:

Radiology Service continues to be provided by a high dollar contract.

ENT and GU services were terminated in November 1979 due to nonreplacement of physicians.

Orthopedic and Gynecology Services continue to be limited services as a consequence of only one physician being assigned to these specialties.

OB care continues to be provided from civilian sources.

Continued reliance on civilian physicians under CHAMPUS for OB, Orthopedics, ENT, GU, and GYN has a detrimental financial impact on the active duty and retired military communities plus an equally severe impact upon this command's operating budget under the Capitation Budgeting Demonstration.

The use of civilian physicians at this facility has proven to be less than optimal due to the dearth of available civilian physicians in this rural locality. Presently, there is but one civilian physician on the staff.

Chief, Professional Services assumed duties as Deputy for Aeromedical Activity on 15 Jul 79.

A Clinical Investigation Service was formally recognized by HQ, Health Services Command. A General Medicine Clinic (Provisional) was approved by HQ, Health Services Command.

The loss of the Urologist and Otolaryngologist has hampered the mission accomplishment in those areas and has greatly increased the workload in the CHAMPUS area.

The hiring of a Medical Records Librarian in the Patient Administration Division has resulted in a more efficient flow of productive work.

A complete inspection, inventory, and rewarehousing of the Medical Prepositioned War Reserve Stock was accomplished.

The new X-Ray units were placed in operation.

Construction was begun on the 4-bed Intensive Care Unit/Coronary Care Unit.

FOOD SERVICE DIVISION

MISSION:

Provides comprehensive nutritional care, to include preparation of appropriate food to patients and other personnel authorized to subsist in the hospital food service facilities; dietary counseling for patients; the provision of nutrition education for the military community; and applied research. Accomplishment of the food service mission is the overall responsibility of the Chief, Food Service Division.

PERSONNEL:

CPT Lynn B. Vice, Chief

SFC Weldon Fort, NCOIC

ACCOMPLISHMENTS:

The walk-in refrigerators, freezer, meat cutting room, and thaw room in the subsistence supply area had originally been painted with a paint that continually peels and is difficult to clean. A work order was submitted and follow-up action taken to have these areas lined with stainless steel. Total empirical cost for relining these areas with stainless steel proved prohibitive. The Chief, Preventive Medicine Activity researched various alternatives for a safe covering for these areas. His research resulted in submission of a new work order for application of a copolymer vinyl finish for these areas. This finish should greatly enhance the sanitation of these areas.

PREVENTIVE MEDICINE ACTIVITY

MISSION:

Provides planning and execution of a comprehensive Preventive Medicine Program consisting of epidemiology and disease control, occupational health services, environmental health services, and family health services to military, dependent, and eligible DAC personnel in the US Army Aeromedical Center area of responsibility. The Chief, Preventive Medicine Activity, advises the Commander, USAAMC on matters concerning the prevention and control of transmissible disease and the advancement of health.

ORGANIZATION:

The Preventive Medicine Activity is organized in four sections consisting of epidemiology and disease control, occupational health, environmental health, and family health. The hospital safety program is managed within the Preventive Medicine Activity.

PERSONNEL:

MAJ David M. Oatway, ANC, Chief

SFC Stephen K. Ritter, NCOIC

ACCOMPLISHMENTS:

Assignment of a second Community Health Nurse in November 1979 is expected to significantly improve the quality of the family health services available at Fort Rucker.

The Occupational Health Service has implemented programs in pregnancy surveillance, vision protection, surveillance of workers exposed to industrial hazards, and has included the military population in all occupational health programs.

In October 1979, Fort Rucker and Dale County Department of Pensions and Securities signed a "Letter of Agreement" to facilitate management of child maltreatment cases on post, and to permit establishment of state licensed foster homes at Fort Rucker.

The Influenza Immunization Program exceeded protection of 85 percent of the Fort Rucker military population.

Lake Tholocco was closed in August 1979 due to rising counts of total coliform bacteria. The quality of the natural bathing area continued to deteriorate through November 1979, and remains off limits to water contact sports. Coordination with State of Alabama Conservation authorities and Department of Interior Water Management authorities is expected to resolve the problem in the future.

Outbreaks of German measles (Rubella), and measles (Rubeola) were identified and contained during the calendar year. The outbreak of measles in February required limited quarantine of barracks of the 4th Battalion Arrival Detachment and required opening the hospital expansion ward. The reappearance of Rubeola in December 1979, resulted in immediate action to insure adequate immunization levels of the population at risk.

VETERINARY ACTIVITY

PERSONNEL:

MAJ Robert V. Taylor, Veterinary Corps, Deputy

CPT John C. Kelliher, Veterinary Corps, Chief, Food Quality Assurance Section

ACCOMPLISHMENTS:

The treatment and surgery room floors were resurfaced to facilitate cleaning the Animal Disease Prevention and Control Facility. Building 7204 was repainted inside and outside, and a new records management system was installed in the Veterinary Animal Clinic. Funds were approved for construction of a Veterinary Inspection Room at the Commissary Facility, Building 9213.

In October 1978, this area was declared epizootic for Rabies. Rabies had been confined to racoons and a few foxes until June 1978, when two cats and three dogs were found positive for rabies in the surrounding area. This trend continued through the summer months of 1979, and declined to only sporadic cases during the last three months of 1979. This activity held special rabies vaccination clinics during November 1978, and continued to warn people of danger involved with suspicious animals in this area through the local news media during 1979.

In an attempt to control our stray animal population at Fort Rucker, all animals adopted from this facility, which were physically mature, were neutered.

MEDICAL COMPANY

MISSION:

Provides for that portion of administration of military duty personnel related to unit administrative reports/records and supply/accounting records.

ORGANIZATION:

The organizational structure is in accordance with Health Services Command Regulation 10-1 with approved deviations. The US Army Aeromedical Center Regulation 10-1 with current changes reflects detailed information.

PERSONNEL:

CPT Philip J. Kuoni, MSC, Commander Medical Company/Medical Holding Detachment/Student Detachment (1 June 1979 - Present)

1LT David S. Carter, MSC, Commander, Medical Company/Medical Holding Detachment/Student Detachment (1 Jan 79 - 31 May 79)

1SG Willard S. Watkins, First Sergeant (1 Aug 78 - Present)

ACCOMPLISHMENTS:

Increased command emphasis on enlisted promotion recommendations and performance counseling of junior servicemembers.

Sole parent dependent care counseling was initiated and accomplished in accordance with AR 600-20.

Three Medical Company SMs (SP4 Roger Anderson, SP4 Daniel Mitchell, and SP4 Carolyn Vowells) were chosen as Tenant Activities' Soldiers of the Month during 1979. Likewise, SP5 James McNair was chosen as Tenant Activities' NCO of the Month (Nov 79), and SP4 Roger Anderson was chosen as Fort Rucker's Soldier of the Month (Nov 79).

Initiation of an annual AAMC Military Fall/Spring picnic was a successful event in October 1979.

Reorganization of the Unit Fund Council and increased emphasis on purchasing morale support items.

Construction of a volleyball court adjacent to Medical Company barracks as a self-help project.

The offices of Personnel Division and Medical Company were combined in May 1979.

US ARMY AEROMEDICAL RESEARCH LABORATORY

MISSION:

Participates in the preservation and enhancement of the health, safety, combat effectiveness, and survivability of the soldier. Conducts life sciences research, development, test, and evaluation in health hazard prevention technologies and aviation medicine concerning human tolerance, survivability, and combat crew effectiveness related to combat vehicles, weapons systems, and operations. Develops, maintains, and applies minimum bases and technologies needed to establish human tolerance and exposure relationships for fire, noise, vibration, impact, and optical hazards, and complementing other USAMRDC elements, physiological and psychological stressors. Develops and validates technologies for assessment of and protection from these health hazards. Validates those relationships in order to recommend exposure and health effects criteria. Assembles and maintains the psychophysiologic data base required to define operational envelopes for crew safety and effectiveness for Army aviation, combat vehicles, and parachuting. Develops health criteria for associated protective and life support systems. Conducts an active information transfer to health policy, combat and materiel developers, test and evaluation agencies, human factors agencies, and the aviation medicine community.

ORGANIZATION:

The US Army Aeromedical Research Laboratory (USAARL) is a Class II medical research laboratory of the US Army Medical Research and Development Command (USAMRDC), a Field Operating Agency (FOA) of the Office of the Surgeon General. USAMRDC has responsibility for the administration and coordination of the Research, Development, Test and Evaluation Programs of the Army Medical Department.

To meet major management changes instituted by USAMRDC in 1978, the first formal reorganization of USAARL was completed in October 1978. USAARL is organized under Table and Distribution Allowance Number MDW03AAMO dated 30 July 1979, and operated under this TDA in 1979. In addition to the command group, two research divisions and two support divisions were established. The internal organization is as follows:

- Office of the Commander
- Field Research and Biomedical Applications Division
- Human Tolerance and Survivability Division
- Research Systems Division
- Technical and Logistical Support Division

PERSONNEL:

USAARL Commander, Colonel Stanley C. Knapp, was appointed the US Army representative to the Aerospace Medical Panel, Advisory Group for Aerospace Research and Development, North Atlantic Treaty Organization.

Authorized personnel strength is 142 military and civilian personnel, including 31 officers, 46 enlisted and 65 civilians. Utilization of co-op students and temporary hires has allowed USAARL to operate within authorized strength. Key personnel assignments during the year were:

<u>Position</u>	<u>Personnel</u>	<u>Dates</u>
Commander	COL Stanley C. Knapp, MD	1 Jan - 31 Dec 79
Deputy Commander	LTC David D. Glick	1 Jan - 31 Dec 79
Executive Officer	LTC Regginial R. Barden	1 Jan - 31 Jan 79
	MAJ Webster L. Langhorne	1 Feb - 2 Jul 79
	MAJ(P) Roger P. Hula, II	3 Jul - 31 Dec 79
Adjutant/Detachment Cdr	CPT Raymond T. Burden, Jr.	1 Jan - 8 Aug 79
	CPT Reuben G. Pinkson	8 Aug - 31 Dec 79
Director, Field Research & Biomedical Applications Division	Dr. Kent A. Kimball	1 Jan - 31 Dec 79

Director, Human Tolerance & Survivability Division	MAJ Roger W. Wiley	1 Jan - 31 Dec 79
Director, Research Systems Division	MAJ Webster L. Langhorne	1 Jan - 31 Dec 79
Director, Technical & Logistical Services Division	Mr. Charles D. Williams	1 Jan - 31 Dec 79

ACCOMPLISHMENTS:

Co-op Program: Establishment of an undergraduate cooperative education program and a graduate fellow program is helping students receive practical knowledge in their field and is giving primary research investigators able research assistants. During the past year, 17 undergraduates and 3 postgraduate fellows contributed 8.08 man-years of time to the laboratory's research efforts.

Construction: Construction for the new research facility was at 20 percent of completion on 1 Jan 79. As of 31 Dec 79, the construction work was 65 percent complete. Due to alterations and required modifications, the size of the facility had increased from 105,119 sq. ft. to 116,000 sq. ft. An urgent minor exigent project for expansion of the vivarium has been submitted and as of 31 Dec 79 is being reviewed by the Secretary of the Army for submittal to Congress. Project completion date is now 18 Sep 80 (still within contract specifications).

Scientific Information Center: The USAARL Library was designated a Scientific Information Center in 1979. Memorandums of Understanding were signed to provide library service to US Army Safety Center, US Army Research Institute Field Unit, and US Army Aviation Board. Ten new neurological journals were added adn \$8,000 of journals on microfilm to complete the back file of journals. A 3M 500 microfilm reader/printer and a 3M 500 microfiche reader/printer were added to the Scientific Information Center. The first library science graduate student was assigned and trained through the cooperative education program.

Flight Hours: The four aircraft flew 250.7 hours of research missions, 290.3 hours in training missions, and total flight hours was 541.0.

Inspections: Command Logistical Inspection 21-25 Oct 79.

Materiel: Major items of equipment procured during this period were:

Anti-Aliasing Filter System, Model 816-11, by Rockland
 Digital Oscilloscope 2090 Series System, Model 2090-3C, by Oscilloscope Division
 Eye Movement/Eye Mark Recorder, Model IV, by Instrumentation Marketing Corporation
 Thermal Recorder, Model 7754B, by Hewlett Packard
 Automatic Pritchard Photometer with Control Console, Model 1980A-OPPL, by Photo Resources
 Electrocardioscanner with Electrocardiorecorder, Model 6002A, by Instruments for Cardiac Research
 Desk Top Computer/Controller with Plotter, Model 9845T, by Hewlett Packard
 Bi-Axial Displacement Follower, Model 561, by Universal Technology Inc.
 Ear Oximeter, Model 47201A by Hewlett Packard
 Desk Top Computer with Graphics Plotter, Model 9835A, by Hewlett Packard
 Tape Recorder Sabre VI, Model 632, by Sanagamo
 Universal Helmet Test System, Model TESPAC 800, by United States Testing Co., Inc.
 Octave Integrating Real Time Analyzer, Model 1995, Gen Rod

Standard Oxygen Generation Unit, Model 2262-490-1, by Garrett Air Search

Radio Navigation Receiver with Indicator Unit, model RA-29, Teledyne Hastings-Raydist

Embossing System Electronic Addressograph, Model 6500, by Addressograph Multigraph Corp.

Co-Oximeter, Model 282, by Instrumentation Laboratories

Automatic Blood Gas Analyzer, Model 813, Instrumentation Laboratories

Oxygen Analyzer, Model OM-11, Beckman

SCIENTIFIC ARTS

During 1979, the Scientific Arts Branch developed a design and method for photographic analysis and documentation of crash damaged life support equipment.

High speed photographic documentation of M198 blast showing blast sequence to be used in data collection of blast overpressure data.

Supplied photographic instrumentation in support of visual performance studies. This required photographing through an Eye-Mark simulator to record eye movement patterns of subjects.

Graphically depicted from raw data the decible limits of blast overpressure of the M198 and the 155mm howitzer. Expended 2,000 hours in support of research projects in scientific and medical illustration and engineering drafting. Scientific and technical photographic support of research expended 3500 hours.

RESEARCH ACTIVITIES

The US Army Medical Research and Development Command Program Review was 5-8 September 1979.

In August 1979, USAARL personnel participated in the self-deployment of helicopters to Europe without aerial refueling, "Operation Northern Leap." A flight surgeon-researcher accompanied the crews and a psychologist-data collector worked with the crews at intermediate stops along the route.

During this past year, a neurophysiology laboratory and a respiratory physiology laboratory have been established and staffed.

Effort has continued to identify and quantify the effects on hearing of exposure to high-intensity, low-frequency noise. Data collection began on an extramural contract to determine the cochlear microphonic response of the chinchilla's ear to 63 Hz octave-band noise. This electro-physiological data will be used to determine the intracochlear response to low-frequency noise which will improve our understanding of the mechanisms involved in hearing loss to low-frequency noise.

The evaluation of the real ear attenuation characteristics of SPH-4 manufactured by two companies was completed. Nine hearing protective devices identified in the Qualified Products List of products were evaluated and qualified under Military Specification MIL-P-38262. The evaluation of the Bilsom Prop-O-Plast was completed.

The specialized equipment necessary for measuring impulse noise in the field has been partially received and assembled.

During 1979 measurements were made on the M198/M203 to determine the iso-hazard contours forward and to the sides of the cannon and the dynamic pressure of the blast wave in the crew area at different heights above the ground.

The blast overpressures around and inside the M109 self-propelled howitzer firing the M203 were determined.

The development of a large animal model was initiated under a contract to develop training and audiometric test procedures for the mini-pig.

The spatial and spectral scanning photometer/radiometer previously used to measure static display quality has been modified to analyze dynamic image quality.

Two of three planned extensive multidisciplinary data collection exercises were completed in week-long simulator IFR flight operations. Survey data on aviation crew work/rest schedules were used in modeling aviator to aircraft seat ratios for sustained operations. These data were supplied to the TRADOC special study on Army Aviation Personnel Requirements for Sustained Operations (ASPRSO).

The UH-1M (INFANT) aircraft has been modified with a helmet sight, helmet display, flight symbology generator, position and location system, and aircraft parameter instrumentation system.

A new lower persistence P-43 phosphor is being used in the helmet mounted display to minimize image smear.

A symbology generator and an airborne photometric apparatus have been fabricated to research helmet mounted display (HMD) symbology luminance in-flight in the JUH-1M helicopter.

A Doppler Navigation System was obtained, and contracts were let to lease a projected map display (PMD) and install both systems in a JUH-1H instrumented research helicopter.

A draft Flight Helmet Performance Specification was written but validation requirements must be completed prior to release.

A tri-service contract to evaluate the UH-60 Black Hawk crew and troop seat energy-absorbing characteristics with cadaver occupants was initiated.

An Army-Navy agreement to provide multiaxis impact tolerance criteria via research with Navy volunteers was initiated.

Laboratory dynamic impact evaluation tests were conducted on four production lots of aviator flight helmets and two production lots of the combat vehicle crewman helmets to determine if they meet required medical criteria.

Tests were conducted to validate the impact protection effectiveness of the HGU-2 form fitted flight helmet to be utilized in the YAH-64 development program.

First article evaluation and testing were conducted to assess flight helmets produced by two new manufacturers.

An operational evaluation of a new aviator's flight glove was completed.

A field investigation of the modified scout helicopter (OH-58C) was completed and recommendations provided to reduce the medical hazards associated with the crewstation.

A biomedical/physiological crash injury computerized data base and associated retrieval programs were established and helmet injury correlation data collected.

Consultations were provided to the US Army Safety Center concerning the life support equipment aspects of accident investigations and injury prevention.

During FY 79, the Life Support Equipment Retrieval Program (LSERP) received 35 prams concerning major accidents. The life support equipment recovered from these accidents included 21 flight helmets, 4 seats, and a number of seat belts and articles of clothing.

Defects in helmet retention system replacement parts were discovered and brought to the attention of the procuring agency.

The data collection phase of the acceleration/deceleration impact hazard assessment of ground combat vehicles was completed and the data analysis phase initiated.

Preliminary medical criteria have been established for the development of the new combat vehicle crewman protective helmet.

The initial field assessment for the concept evaluation of the United Kingdom NVC protective clothing was conducted under aviation operational conditions.

Preliminary aircraft (U-21 and UH-1) bleed air environmental and gas analysis assessments have been conducted.

Static and in-flight environmental data collection systems have been designed and initial tests conducted.

Calibration and validation of the arterial blood oxyhemoglobin saturation assessment system have been conducted utilizing canine subjects.

Specifications were written for a Computer Driven Device for Dynamic Visual Acuity Measurement using a video display.

PUBLICATIONS:

During 1979 USAARL published 14 letter reports, 15 technical reports, one editorial guide and one video tape. There were five articles published in the open literature. The report number and title of the technical reports are:

USAARL 79-1, US Army aviation fatigue-related accidents, 1971-1977.

USAARL 79-2, Blast overpressures produced by prototype XM198, 155mm towed howitzer.

USAARL 79-3, High frequency hearing loss incurred by exposure to low-frequency noise.

USAARL 79-4, A fire simulator/shutter system for testing protective fabrics and calibrating thermal sensors.

USAARL 79-5, How to measure the burn-preventive capability of nonflammable textiles: A comparison of the USAARL porcine bioassay technique with mathematical models.

USAARL 79-6, Threshold pressures in chinchillas exposed to octave bands of noise centered 63 and 1000 Hz for three days.

USAARL 79-7, Normal blood chemistry values for laboratory animals analyzed by the sequential multiple channel analyzer computer (SMAC-20).

USAARL 79-8, In-flight performance evaluation of experimental information displays.

USAARL 79-9, Head aiming/tracking accuracy in a helicopter environment.

USAARL 79-10, Real-ear sound attenuation measurements of selected sound protectors identified in the DAF qualified list.

USAARL 79-11, Bifocal night vision goggle.

USAARL 79-12, The measurement of man-helicopter performance as a function of extended flight requirements and aviator fatigue.

USAARL 79-13, Medical evaluation of sound attenuation and electroacoustics characteristics of a NATO (COSMOCORD) peak limiting ear protector.

USAARL 79-14, Direct measure of CRT image quality.

USAARL 80-3, Preliminary evaluation of the blast overpressure field around the M198, 155mm howitzer firing the M203E1 propelling charge.

US ARMY COMMUNICATIONS COMMAND

MISSION:

Plans, programs, operates, and maintains communications-electronics (C-3) systems at Fort Rucker. Serves as C-E staff officer on the host installation commander's staff. Supervises operation of a Military Affiliate Radio System (MARS) Station. Provides communications support for Fort Rucker emergency operations. provides administrative and operational control of all Communications Service Authorization fo 29 Alabama, 42 Mississippi, and 10 Florida counties in accordance with AR 105-23. Plans, programs, operates, and maintains all air traffic control services provided military and civil aircraft operating within the Fort Rucker Control Zone. Plans for and furnishes operational support for stagefields as required by the host installation. Provides on site technical assistance to all CONUS USACC fixed station navigational facilities.

ORGANIZATION:

See chart on page 188.

PERSONNEL:

<u>Position</u>	<u>Name (Incumbency Date)</u>
Commander	LTC Emmett F. Johnson (Sep 76 - Present)
Executive Officer	MAJ James W. McCready (Dec 76 - Present)
Deputy	Mr. Gerald H. Jones
Sergeant Major	SGM Eli Lee, Jr. (Nov 77 - Present)
Cdr, Headquarters & Service Co.	CPT Charles H. Dove (Dec 77 - Present)
XO, Headquarters & Service Co.	LT Maria A. Medina (5 Jun 78 - Present)
C, Support Division	CPT W. Courtney Trabue (Jan 78 - Present)
C, ATC Operations Division	CPT Owen W. Chalfant (Mar 78 - Present)
ATC Operations Division Officer	LT Kathleen Boyer (14 Jun 79 - Present)
C, ATC NAV AIDS Maintenance Div	Mr. Benjamin F. Howell
C, Communications Division	Mr. Sam C. Williams
C, ARAC Division	Mr. Samuel T. Benton
Cdr, 256 Sig Spt Co (AMSF)	CPT Euford E. Herring (17 Dec 77 - Present)

HEADQUARTERS AND SERVICE COMPANY

During January 1979, Hqs & Svc Co underwent a 7th Sig Cmd IG Inspection with favorable results.

During March 1979, Hqs & Svc Co underwent a TRADOC Command Inspection with favorable results.

On 12 May 1979, 96% of all eligible members of Hqs & Svc Co, USACC-Ft. Rucker, participated in familiarization firing of the M-16 rifle.

On 30 June 1979, the Summer Party for all personnel and their families was held at Lake Tholocco. The party was a great success.

The following honors were received by members of Hqs and Svc Co:

Soldier of the Month - Ft. Rucker

Jan 79 - SP4 Sans Smith
Feb 79 - PFC Jeannie Steger
Apr 79 - PFC Iris Parker
Jun 79 - SP4 Catherine Henley
Jul 79 - SP4 Michael R. McMullen

NCO of the Month - Ft. Rucker

Feb 79 - SP5 Robert J. Black

SUPPORT DIVISION

During May 1979, the USACC PERMAS Team visited the unit with suggestions and comments directed toward the improvement of the local personnel management system.

During FY 79, the Division's Supply Branch was tasked to account for available fund balances on a daily, informal basis for supplies and equipment in assigned budget programs. The manual posting of increases and decreases to actual requisitions proved an insurmountable problem without additional manpower. The solution was automation with a specially designed computer program, written by MISO personnel, establishing a master file utilizing and daily incoming/outgoing requisition cards for updating. The program freed supply clerks for other duties.

AIR TRAFFIC CONTROL OPERATIONS DIVISION

Toth Stagefield was named USACC-Ft. Rucker and USACC-TRADOC Facility of the Year.

SP5 Gary S. Whitcomb was named USACC-Ft. Rucker, USACC-TRADOC Controller of the Year.

SFC Johnny R. Stewart and SSG James L. Burch were presented DA Certificates of Achievement. Presentation was made by MG Blair.

SSG Raymond Seale, SP4 Terri Linn, and SP4 Beverly Broadwater were presented Certificates of Achievement from the Tennessee National Guard for support of their annual summer training.

The Instrument Training Airway System (ITAS) has established a nondirectional radio beacon approach at Esto Ground Controlled Approach (GCA). It became operational on 3 January 1979 giving aviators another practice instrument approach into Esto GCA, further enhancing the flight training program at Ft. Rucker.

A prototype tactical tower was successfully tested at Skelly and Ech Stagefields in December 1978 and January 1979.

Tel-Con Override System was installed August 1979 on FSW-8 consoles in Cairns Tower with headsets secured from GTE.

ARTIS, GRC 171 backup UHF radio and new altimeter were installed in August 1979 at Lowe AHP.

In July 1979, WTSU (Troy State University TV) televised a 30-minute documentary on Troy Municipal Airport.

In June 1979, Runkle Control Tower was modified and upgraded with installation of new radios and recorder.

In February 1979, a direct landline communications was established with Hub Control.

ATC NAVAIDS MAINTENANCE DIVISION

SP6 George D. Gallagher of the AMF/ATC Br was selected by Headquarters USAATCA, Ft. Huachuca, AZ, for the annual ATC/NAVAIDS Maintenance Technician of the year Award from among competing technicians throughout USACC organizations worldwide.

Four civilian maintenance technicians received Quality Step Increases, and four received Sustained Superior Performance Awards. Also, several of the technicians received letters of commendation for noteworthy accomplishments.

ATC/NAVAIDS technicians received 4,340 hours of formalized classroom technical training on a variety of NAVAIDS systems and new equipment during 1979.

AMF/ATC maintenance personnel made approximately 100 on site maintenance assistance visits to USACC organization throughout the US, Alaska, and Hawaii. The DX repair facility repaired approximately 1,500 end items, components, assemblies, and sub-assemblies for customers or for return to usable stock.

There were two improvement suggestions submitted by personnel of the division and approved for adoption.

The division received nine new transportation vehicles to replace 1969 models which were over-aged, obsolete, and in poor condition. This has alleviated some of the transportation problems and reduced gasoline consumption.

There were no major problems encountered in the division during the year. The 95% on-the-time objective for all ATC/NAVAIDS facilities was surpassed again.

COMMUNICATIONS DIVISION

Project developed and approved for consolidation of USASSG/SSO and USACC Telecommunications Centers. Site preparation contract was awarded 17 Sep 79. Site preparation is in progress.

ARAC DIVISION

ARAC instrument air traffic control operations count set new record of 180,734.

The Central Control Facility (HUB) air traffic operations count totaled 17,058 which included a count of 3,564 for the month of August. This was the highest monthly total of the past four years.

In preparation for installation of the enhanced Automated Radar Terminal System (ARTS IIIA), the Data Systems officer completed a 320-hour ARTS IIIA Programmer Course at the FAA Academy in Oklahoma City.

The ARAC ARTS IIIA computer was enhanced by the installation of Continuous Data Recording equipment. Included therein is a medium speed printer and two 100 megabyte disc drives.

An additional 16K of memory was installed in the ARTS III computer.

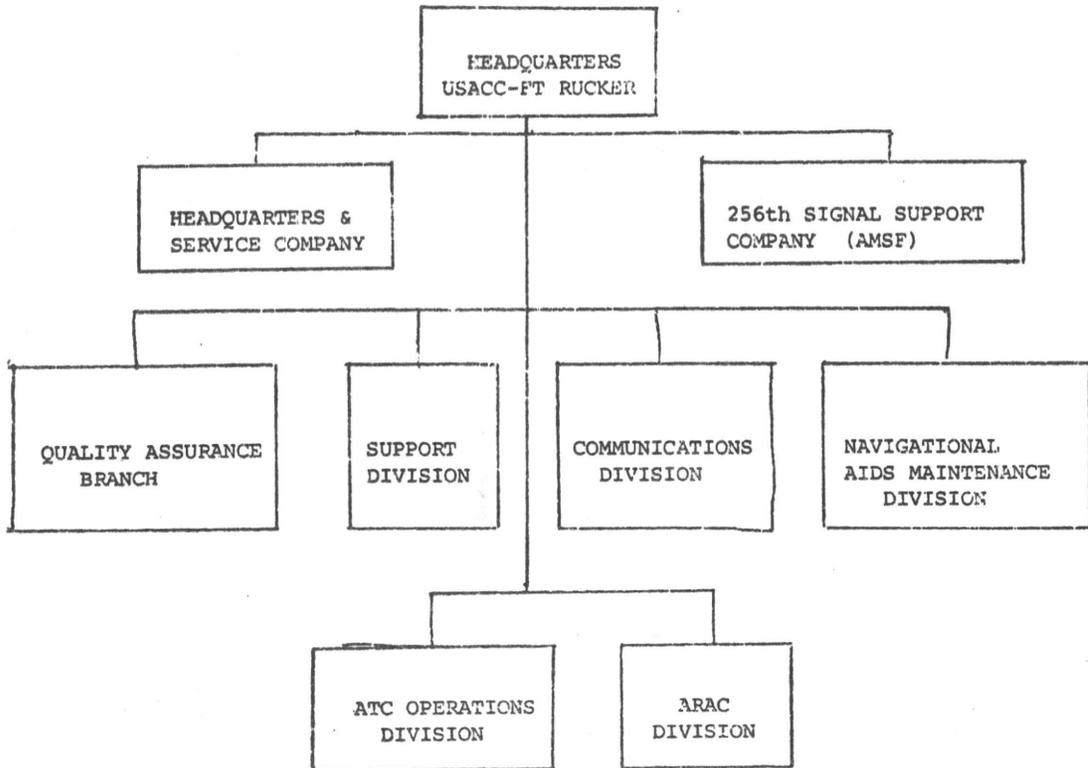
An IBM 129 Card Data Recorder was installed for use by the Data Systems staff.

The FAA delegated an additional 1,000 feet of airspace to the ARAC which now controls all instrument traffic operating at 7,000 feet and below over an area of approximately 8,000 square miles.

A new instrument approach procedure was developed and implemented at the Andalusia-Opp Municipal Airport.

To speed northbound departures, a new CLIOS I Standard Instrument Departure procedure was developed.

USACC Organizational Chart



USACC-Ft Rucker

Off 9
SM 419
Civ 129

256th Sig Spt Co

Off 1
WO 1
SM 30
Civ 4

US ARMY RESEARCH INSTITUTE FIELD UNIT

MISSION:

As the Army Research Institute's (ARI) lead element for aviation training research, the Fort Rucker Field Unit has as its research mission to provide training research, human resources research and technical advisory support to the Army-wide aviation community through direct participation with the USAAVNC; to execute an advanced development research program in support of the Aviation Center and Army aviation; and develop a technology-based program of research to provide future benefits to Army aviation. In all the research and technical 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.

ORGANIZATION:

The Army Research Institute is a developing agency of the Deputy Chief of Staff for Personnel.

PERSONNEL:

Mr. Charles A. Gainer is the Chief of the ARI Field Unit.

MAJ Gordon L. Rogers is the Military R&D Coordinator.

Assigned strength as of December 1979 was one officer and 16 civilians.

ACCOMPLISHMENTS:

Since its establishment at Fort Rucker, the ARI Field Unit has been conducting a multi-faceted training research program to enhance aircrew performance in the tactical environment. The active task areas and associated research tasks accomplished during 1979 are summarized below:

TASK A. FLIGHT SIMULATOR APPLICATIONS AND TRAINING EFFECTIVENESS

A major thrust of research currently underway is focused on the problems associated with flight simulation. ARI conducts research to define simulation requirements and aid in the development of new simulators and the development of Programs of Instruction (POI) using simulators. The following research efforts were completed during 1979:

Research Task 1. Determination of fidelity requirements for the motion and visual systems for flight simulators.

Research Task 2. Training effectiveness evaluation of the AH-1 flight simulator.

Research Task 3. Development of an objective grading system for the UH-1 flight simulator.

Research Task 4. Validation of Performance-Based Aviator Selection System (PASS).

Research Task 5. Projection of training research requirements for future aviation systems.

TASK B. AVIATOR SELECTION AND ASSIGNMENT

Research was completed for improved techniques of aviator selection. The Flight Aptitude Selection Test (FAST) has been revised and a new job-sample selection test developed. Another research effort underway is to further identify by aircraft category (attack, scout, utility, cargo) those flight training students best suited and qualified for that particular mission. The efforts completed during 1979 are:

Research Task 1. Mission Track selection process for the Army Initial Entry Rotary Wing (IERW) Flight Training Program.

Research Task 2. Revised Flight Aptitude Selection Test (reference DA Circular 611-77).

Research Task 3. Evaluation of minority and female performance in Army rotary wing aviation training.

Research Task 4. Validation and fairness evaluation of the revised FAST.

Research Task 5. Validation of the Dual-Track Aeroscout selection process.

TASK C. TACTICAL UNIT TRAINING AND COMBAT PROFICIENCY MAINTENANCE

The complexities of the modern battlefield and the development of sophisticated aviation systems have produced changes in the role of the aviator in these systems. As a result, it has become increasingly necessary that the aviator's role - his functions, capabilities, skills, and training - be subjected to detailed analysis. In its research program, ARI seeks to insure the training of the aviator within the complex man-machine systems of Army aviation are critical to the effectiveness of the total weapons systems in a high-threat environment. In direct support of the FORSCOM aviation units, the following products were developed:

Research Task 1. Pre-mission planning training module.

Research Task 2. Light attenuating filter for night training during daylight hours.

Research Task 3. Night navigation POI for terrain flight.

Research Task 4. A lexicon for terrain flight navigation.

Research Task 5. Program of Instruction for aviation training/retraining of Individual Ready Reservists (IRR).

TECHINCAL 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, USAAVNC, and to all elements within the USAAVNC. 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.

US ARMY LOGISTIC ASSISTANCE OFFICE (DARCOM)

MISSION:

Represents the Commanding General, DARCOM, at Fort Rucker and in the states of Alabama and Mississippi in all logistic matters of mutual interest; provides a focal point for exchange of logistic intelligence between user activities and DARCOM Headquarters; and performs liaison activities to foster good customer relations, improve customer service, and assist in resolving major non-routine problems within the DARCOM area of responsibility.

ORGANIZATION:

The United States Army Logistic Assistance Office (LAO), Fort Rucker, is organized as a single unit composed of representatives of the US Army Materiel Development and Readiness Command (DARCOM), collocated with Field Maintenance Technicians (FMT) for the various DARCOM commodity commands.

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

PERSONNEL:

The Fort Rucker LAO is authorized one officer and two civilians. Field Maintenance Technicians are assigned by commodity commands when requested by the installation. The LAO increased their support/assistance capability with the addition of an ARRCOM FMT, MICOM FMT, and a second TSARCOM FMT to the Fort Rucker office. Currently assigned personnel are as follows:

<u>Position</u>	<u>Personnel</u>	<u>Dates</u>
Chief	LTC Gerald Cornell	Jun - Dec 79
LMS	Mr. Archie L. Gage, Jr.	Jan - Sep 79 (reassigned to Korea)
LMS	Mr. William W. Vaughan	Aug - Dec 79
Secretary	Ms. Joyce M. Rudd	Jan - Dec 79

Field Maintenance Technicians attached to the LAO:

TARCOM	Mr. Norman F. Curtis	Jan - May 79 (retired)
TSARCOM	Mr. Irwin G. Rice	Jan - Dec 79
ARRCOM	Mr. Earnest E. Burton	Aug - Dec 79
TARCOM	Mr. Lawrence W. Fleck	Jul - Dec 79
CERCOM	Mr. Samuel E. Mills	Mar - Dec 79
TSARCOM	Mr. Thomas R. Lowe, Jr.	Jul - Dec 79
MICOM	Mr. Morris H. Burkett	May - Dec 79

ACCOMPLISHMENTS:

During 1979 there was a marked increase in the requirements placed on the LAO by DARCOM Headquarters. The Fort Rucker LAO was required to closely monitor the readiness posture of all units within the states of Alabama and Mississippi; to evaluate and report any incidents/accidents within this area in which materiel failure of DARCOM equipment is suspected; and to assist numerous teams from other DARCOM commodity commands when TDY in this area of responsibility.

Personnel from the LAO conducted over 65 customer contacts per month, with approximately one-third of these contacts being on-site. A quarterly schedule of visits was maintained with the National Guard and Reserve components and monthly visits made to Fort McClellan and Redstone Arsenal, Alabama. A maximum effort to increase LAO visibility and provide additional support to National Guard/USAR units in Alabama and Mississippi and three Class I installations has greatly increased the LAO workload and the number of requests for assistance.

Annual training (AT) at Camp Shelby, Mississippi, is the largest single project supported by the LAO. An LAO Field Office was established and operated at Camp Shelby from 23 May - 11 August 1979. This office was manned full time by FMT personnel from ARRCOM, CERCOM, and TSARCOM, and manned part time by LAO personnel from Fort Rucker. Camp Shelby is the site for annual summer training of over 100,000 National Guard and Army Reserve personnel.

In September 1979, the LAO assisted in a major project gathering data/facts on twelve parts/components causing a majority of precautionary landings at Fort Rucker. The DARCOM Troop Support and Aviation Materiel Readiness Command is continuing to monitor these items and provide bimonthly updates on ongoing corrective actions.

The LAO coordinated and submitted requirements for Logistic Assistance Personnel (LAP) support for FYs 81, 82, and 83, to include support for National Guard and Reserve units/activities.

The TARCOM FMT provided assistance on the 20-ton International Harvester Dump Truck. Repeated transmission failures were investigated, and a teardown inspection was recommended to ascertain the cause of these failures.

During 1979, the first Black Hawk aircraft was received at Fort Rucker; the ECAS Cobra fleet at Fort Rucker was also enlarged. These new aircraft have acquired extensive support from the TSARCOM, CERCOM, and ARRCOM Field Maintenance Technicians.

Logistic Assistance Personnel assigned or attached to Fort Rucker were instrumental in cost savings/avoidance in excess of \$300,000.00.

ARMY NATIONAL GUARD (ARNG) MULTI-MEDIA GROUP

MISSION:

Manages, develops, coordinates, and monitors the planning and administration of all multi-media instructional programs for ARNG aviation. Influences the training of over 5,000 ARNG aviators and crew members via a learning center network at the 87 aviation facilities throughout the 50 states, the District of Columbia, Puerto Rico, and the Virgin Islands.

Manages, develops, coordinates, and monitors the planning and administration of a safety educational program for the ARNG. The program influences over 340,000 Guardsmen and covers all aspects of safety to include aviation and general safety and the Occupational Safety and Health Act (OSHA) of 1970.

ORGANIZATION:

The ARNG Multi-Media Group is under the operational control of the Chief, Army Aviation Division, National Guard Bureau, and the military control of Headquarters, Alabama National Guard. Logistical and administrative support is provided by the US Property and Fiscal Officer (USP&FO) for Alabama.

PERSONNEL:

The Multi-Media Group is authorized and assigned six personnel, five of whom are ARNG technicians. Four of the technicians are instructional systems design and development specialists.

<u>Position</u>	<u>Personnel</u>	<u>Dates</u>
Manager	CPT Kenneth O. Boley	Jun 73 - Present
Training Specialist (Safety)	CPT Gary E. DeKay	Aug 78 - Present
Training Specialist (Aviation)	CW2 William W. Shawn	Aug 75 - Present
Illustrator	WO1 Ronald G. Swihart	Feb 74 - Present
Media Specialist	SSG Jules M. Hobbie	Jul 75 - Present
Administrative Specialist	Mrs. Shirley Hughes	Oct 79 - Present

ACCOMPLISHMENTS:

The Group was originally organized to support the individual aviator proficiency training program throughout the Army National Guard by developing audiovisual packages composed of all available multi-media material in the DOD structure. The Group supplements the program by developing and producing audiovisual material for ARNG peculiar requirements which cannot be satisfied by other sources. This mission is possible due to the media-oriented staff and in-house television, slide, and audio recording production capability. The acquired or developed material is then distributed to the ARNG learning centers established at each aviation support facility. During 1979, over 5,000 individual lessons were furnished to those training centers.

In 1979 the Group became involved in a totally new area of aviation training, the Aviation Life Support Equipment (ALSE) field. Recognizing the need for ALSE training in the ARNG and the absence of appropriate training materials in the Army structure, the Group began designing a completely exportable training program with which to train ARNG ALSE technicians, aviators, and crew members. The first aspect of the program involved the design and production of posters addressing ALSE. Once they were fielded to the ARNG, DARCOM Headquarters adopted them for use Army wide. In the next phase of the program, audiovisual productions on ALSE will be produced both by the Group and through civilian contracts.

The Group's general safety mission, first assumed in 1977 and actively pursued the following year with the addition of a Training Specialist (Safety), made tremendous strides in 1979. A completely exportable Unit Safety Officer/NCO Training Course was designed and implemented via in-house productions and civilian contract productions through the Training Extension Course (TEC) program of the Army Training Support Center, Fort Eustis, VA. During the year, 13 programs were completed for mass reproduction and distribution by the TEC system. A second phase of the general safety program, a poster campaign, also became reality, with over 35,000 Group-designed posters being distributed Guard-wide.

During 1979 the Group undertook an all-encompassing special emphasis safety campaign for the ARNG which would physically touch each and every Guardsman prior to annual training (AT) in 1980. Entitled "AT 80--15 Days to Success," the program was designed to significantly reduce injuries, fatalities, and fiscal losses in the ARNG during the most critical time of the year, the annual training period. The program incorporates a 4-pronged attack. An 8-page color brochure covering the four most common accidents a Guardsman is exposed to during AT will be given each individual prior to his unit's movement to camp. All 340,000 Guardsmen will also be given a 3-inch recall symbol (stick-on decal) to remind him of the program throughout the AT period. The third aspect of the program involved the production of a 16mm film outlining the program, its purpose, and the part that every Guardsman plays in its success. The last aspect involves additional posters geared to annual training and the AT 80 campaign. The expected effect benefits of this program within the ARNG nationwide is anticipated to yield a 26 to 1 cost benefit ratio.

The year 1979 proved to be an exciting one for the Multi-Media Group, with strides taken in areas previously unaddressed. Approval was granted by Fort Rucker, TRADOC, and the National Guard Bureau for a permanent structure to be erected for the Group on the installation, and HQ DA approved the purchase of a completely new, state-of-the-art, portable television production system. With the ARNG becoming more and more a vital portion of the total force concept, Multi-Media is keeping pace by fulfilling its role in the overall National Guard Bureau program.

DEFENSE PROPERTY DISPOSAL OFFICE RUCKER

MISSION:

Receives, classifies, and stores excess and surplus property generated by installation activities; effects disposition of property through reutilization, transfer, donation or sale, and provides advice and technical assistance to the Installation Commander on disposal matters.

ORGANIZATION:

The Defense Logistics Agency (DLA) is assigned the responsibility for worldwide integrated management of the Defense Property Disposal Program. The Defense Property Disposal Service (DPDS), a major field agency of DLA, headquartered in Battle Creek, Michigan, exercises program management and staff supervision of the Defense Property Disposal Program. The DPDS is comprised of five regions, Defense Property Disposal Region (DPDR) Pacific, DPDR Europe, DPDR Ogden, DPDR Columbus, and DPDR Memphis, headquartered in 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

PERSONNEL:

Authorized personnel staffing is 10 civilians. Key personnel are assigned as follows:

- Loretta Culpepper, GS-11, Chief
- Willie G. Faniel, GS-7, Property Disposal Specialist - Sales
- Enzell Tharpe, GS-7, Property Disposal Specialist - Utilization
- John W. Powell, WL-6, Receipts Coordinator

During the period there were four promotions and three personnel gains.

ACCOMPLISHMENTS:

During FY 1979 the activity accomplished the following:

Line Items Received	13,889	Acquisition Cost	\$9,523,137
Line Items Disposed of	14,568	Acquisition Cost	\$9,581,669
Line Items Reutilized and Transferred	1,389	Acquisition Cost	\$ 993,668
Line Items Donated	3,788	Acquisition Cost	\$1,963,867
Usable Property Sold	\$1,972,988	Proceeds	\$135,278
Acquisition Cost			
Percent of Returns	6.8%		
Sale of Scrap, Net Tons	913	Proceeds	\$54,597

Precious Metals

Received from the installation and shipped to DPDM-Earle for recovery.

Grams of Silver	11,018
Pounds of Scrap Film and Spent Hypo Cartridges	1,407
Pounds of Gold Plate	82
Used Spark Plugs for Platinum Recovery	2,902 each

The reutilization of property to the Department of Defense and authorized Federal agencies, to include forestry services, is the main emphasis of the disposal program. During FY 1979 DPDO Rucker reutilized property valued at \$513,404 with \$399,992 of this being returned to the Army.

Employee awards received during this period included one Outstanding Performance Award, one Quality Step Increase, one Group Award for all wage grade employees, and four Safety Awards.

DPDO Rucker received the Commander's Safety Achievement Award for Outstanding Safety and Health Performance presented by the Defense Property Disposal Region Memphis.

US ARMY CRIMINAL INVESTIGATION COMMAND

MISSION:

Provides criminal investigative support to all Army elements located within a geographical area encompassing 27 counties in southern Alabama, 10 counties in northwestern Florida, and 41 counties in southern Mississippi.

PERSONNEL:

<u>Position</u>	<u>Personnel</u>	<u>Dates</u>
Commander	CPT Terry F. Whitley	21 Mar 77 - 27 Jul 79
Commander	CPT Karl C. Hubbard	27 Jul 79 - Present
Operations Officer	CW3 Ronald R. Seekins	1 Nov 78 - Present
Crim Info Officer	CW3 David F. Johnson	1 Mar 79 - Dec 79
Crim Info Officer	CW2 Robert L. Beightol	17 Dec 79 - Present
Chief, Admin Support	Ms. Shirley M. Schied	7 May 62 - Present

ACCOMPLISHMENTS:

A Drug Suppression Officer supervising a Joint Drug Suppression Team (JDST), consisting of Military Police Investigators (MPI) and Criminal Investigation Division (CID) personnel, was established. Within the first three months of its existence, the JDST had seized approximately \$9,000.00 in illegal drugs.

Performed 14 Crime Prevention Surveys for Ft. Rucker activities/units.

Received 427 complaints during the year.

Conducted 103 criminal investigations, resulting in Reports of Investigation.

Supported Operation BOLD EAGLE, Eglin AFB, FL, Oct - Nov 79.

Unit personnel attended 10 military/civilian police related training courses throughout the year.

GLOSSARY OF ABBREVIATIONS

AAA	Army Audit Agency
AAAA	Army Aviation Association of America
AAAW	Army Aviation Annual Written Examination
AAC	Army Aeromedical Center
AAF	Army Airfield
AAH	Advanced Attack Helicopter
AAIR	Army Aviation Instrumented Range
AAMC	Army Aeromedical Center
AAPC	Aviation Accident Prevention Course
AAPMC	Aviation Accident Prevention Management Course
AAPR	Army Aviation Program Review
ABCS	Aircraft Battlefield Countermeasures and Survivability
ABN/PFDR	Airborne/Pathfinder
AC	Air Cavalry
ACCB	Air Cavalry Combat Brigade
ACCP	Army Correspondence Program
ACE	AH-1 Combat Effective; Aviator Combat Effective
ACE-TDE	Air Combat Engagement - Tactics Development Evaluation
ACJIS	Alabama Criminal Justice Information System
ACMS	Automated Career Management System
ACN	Action Control Number
ACRC	Aviation Commanders' Readiness Course
ACS	Army Community Service
ACSI	Assistant Chief of Staff for Intelligence
ADAC	Alcohol/Drug Awareness Class
ADATS	Air Defense Artillery Threat Simulator

ADSM	Air Defense Suppression Missile
ADT	Active Duty Training
ADTA	Aircraft Development Test Activity
ADTC	Armament Development and Testing Command
ADVTT	Advance Development Verification Test
AEFA	Aviation Engineering Flight Activity
AER	Army Emergency Relief
AFB	Air Force Base
AFN	American Forces Network
AG	Adjutant General
AGARD	Advisory Group for Aerospace Research and Development
AGES	Air-Ground Engagement Simulation
AGI	Annual General Inspection
AH	Attack Helicopter
AHAWWS	Advanced Heavy Armor Weapons System
AHP	Army Heliport
AIDAPS	Aircraft Inspection Diagnostic and Prognostic System
AIRS	Accident Information Retrieval System
AIT	Advanced Individual Training
ALNG	Alabama National Guard
ALPO	Allied Logistic Publication Office
AMDF	Army Master Data File
AMSAA	Army Materiel Systems Analysis Agency
AMTD	Allied Military Training Division
AOW	Action Officer's Workshop
APG	Aberdeen Proving Grounds
APPP	Advance Procurement Planning Program
AQC	Aviation Qualification Course
AR	Armor; Army Regulation
ARAC	Army Radar Approach Control
ARCSA	Aviation Requirements for the Combat Structure of the Army

ARI	Army Research Institute
ARMS	Aircraft Reliability and Maintainability Simulation
ARNG	Army National Guard
ARRCOM	US Army Armament Materiel Readiness Command
ARTEP	Army Training and Evaluation Program
ARTS	Automated Radar Terminal System
ASARC	Army Systems Acquisition Review Council
ASAVE	Aviation Safety Assistance Visit and Evaluation
ASE	Aircraft Survivability Equipment
ASF	Army Stock Fund
ASH	Advanced Scout Helicopter
ASI	Additional Skill Identifier
ASOC	Aviation Safety Officer Course
ASR	Airport Surveillance Radar
AT	Annual Training
ATC	Air Traffic Control
ATHELO	Attack Helicopter Organization
ATLP	Army Training Literature Program
ATM	Aircrew Training Manual
AUSA	Association of the US Army
AVMIS	Aviation Management Information System
AVNEC	Army Aviation Employment Conference
AVRADCOM	Aviation Research and Development Command
AVSCOM	US Army Aviation Systems Command
AWOAC	Aviation Warrant Officer Advanced Course
AWOL	Absent Without Leave
BASOPS	Base Operations; Base Operating System
BER	Budget Execution Review

BML	Bidder's Mailing List
BOIP	Basis of Issue Plans
BOQ	Bachelor Officer Quarters
CAA	Civil Aeronautics Administration
CAC	Combined Arms Center
CACDA	Combined Arms Combat Development Activity
CACMIS	Combined Arms Center Management Information System
CAI	Centralized Accident Investigation
CAMI	CONUSA Activity at Mobilization Installation
CAMP	Computer Analysis of Materiel Problems
CBR	Chemical, Biological, and Radiological
CBT	Combat
CDEC	US Army Combat Developments Experimentation Command
CDR	Commander; Critical Design Review; Continuous Data Recording
CE	Communications-Electronics
CEOI	Communications-Electronics Operation Instructions
CEP	Concept Evaluation Plan; Circular Error Probable
CERCOM	Communications and Electronics Materiel Readiness Command
CFC	Combined Federal Campaign
CFP	Concept Formulation Package
CG	Commanding General
C&GSC	Command and General Staff College
CI	Criminal Investigation; Counterintelligence
CID	Criminal Investigation Division
CL	Checklist
CM	Commander's Manual
COA	Comptroller of the Army
COBE	Command Operating Budget Estimate

COEA	Cost and Operational Effectiveness Analysis
COM	Computer Output Microfiche
COMEDS	CONUS Meteorological Data System
COMPACT	Consolidated Military Personnel Activity
CONUS	Continental US
COR	Contracting Officer's Representative
CORADCOM	Communications, Research, and Development Command
CPX	Command Post Exercise
CRP	Central Receiving Point
CS	Chief of Staff
CSM	Command Sergeant Major
CTD	Career Training Division
CTEA	Cost and Training Effectiveness Analysis
CTLT	Cadet Troop Leadership Training
DA	Department of the Army
DAAG	Department of the Army Adjutant General
DAAPP	Department of the Army Audiovisual Production Program
DAC	Department of the Army Civilian
DAMP/TVPP	Department of the Army Motion Picture/Television Production Program
DARCOM	US Army Materiel Development and Readiness Command
DAS	Defense Audit Service
DBFR	Domestic Base Factors Report
DCD	Directorate of Combat Developments
DCDR	Deputy Commander
DCS	Deputy Chief of Staff
DCSCD	Deputy Chief of Staff for Combat Developments
DCSOPS	Deputy Chief of Staff for Operations and Plans
DCSPER	Deputy Chief of Staff for Personnel

DCSRDA	Deputy Chief of Staff - Research and Development Activity
DDC	Defense Documentation Center
DDRE	Director of Defense Research and Engineering
DES	Directorate of Evaluation and Standardization
DEVA IPR	Development Acceptance In-Process Review
DFAE	Director of Facilities Engineering
DGFT	Department of Graduate Flight Training
DIA	Defense Intelligence Agency
DIO	Directorate of Industrial Operations
DLA	Defense Logistics Agency
DMD	Digital Message Device
DOAT	Department of Academic Training
DOD	Department of Defense
DOFT	Department of Flight Training
DOS-E	Disk Operating System Enhancement
DPC	Data Processing Center
DPCA	Directorate of Personnel and Community Activities
DPDS	Defense Property Disposal Service
DPFO	Data Processing Field Office
DPS	Data Processing System
DRM	Directorate of Resource Management
DRTM	Department of Resident Training Management
DS/GS	Direct Support/General Support
DSA	Defense Supply Agency
DSARC	Defense System Acquisition Review Council
DT	Directorate of Training; Development Test
DTD	Directorate of Training Developments
DUFT	Department of Undergraduate Flight Training
DWI	Driving While Intoxicated
DX	Direct Exchange
DYA	Dependent Youth Activities

ECIP	Energy Conservation Investment Program
ECP	Engineering Change Proposals
ED	Engineering Development
EDRE	Emergency Deployment Readiness Exercise
EDT	Engineering Design Test
EED	Education and Evaluation Division
EEMO	Engineer Equipment Maintenance Officer
EEO	Equal Employment Opportunity
EER	Enlisted Evaluation Report
EIS	Environmental Impact Statement
EN	Engineer
EO	Equal Opportunity
EOC	Emergency Operation Center
EOD	Explosive Ordnance Disposal
EPR	Equipment Performance Reports
ERISA	Employee Retirement Income Security Act
ETV	Educational Television
EURO/NATO	European/North Atlantic Treaty Organization
EWL	Electronic Warfare Laboratory
FA	Field Artillery
FAA	Federal Aviation Administration
FAD	Fund Authorization Document
FAO	Finance and Accounting Office
FARP	Forward Arming and Refueling Point
FARRP	Forward Area Rearming and Refueling Point
FCC	Federal Communications Commission; Flight Communications Center
FDTE	Force Development Test and Experimentation
FDW	Faculty Development Workshop

FHMA	Family Housing Management Account
FIA	Financial Inventory Accounting
FLITE	Federal Legal Information Through Electronics
FM	Field Manual
FMS	Foreign Military Sales
FMT	Field Maintenance Technicians
FOA	Field Operating Agency
FORSCOM	US Army Forces Command
FRG	Federal Republic of Germany
FS	Flight Simulator
FSWP	Flight Safety Working Party
FTX	Field Training Exercise
FW	Fixed Wing
FWMEQC	Fixed Wing Multi-Engine Qualification Course
FY	Fiscal Year
GAO	General Accounting Office
GAZCP	Gunner's Accuracy Control Panel
GED	General Education Development
GLHF	Ground Launch HELLFIRE
GLLD	Group Laser Locator Designator
GO	General Orders
GOCO	Government Owned-Contractor Operated
GPO	Government Printing Office
GS	General Support; General Schedule
GTA	Graphic Training Aid
HELBAT	Human Engineering Inventory Battalion Artillery Test
HELLFIRE	Helicopter Launched Fire and Forget Missile System
HFE	Human Factors Engineering
HMMS	HELLFIRE Modular Missile System

HQ	Headquarters
HR	Human Relations
HRO	Housing Referral Office
HSC	Health Services Command
HUD	Heads Up Display
HVY	Heavy
IAW	In Accordance With
IBM	International Business Machines
ICAO	International Civil Aviation Organization
ICTP	Individual/Collective Training Plans
IDA	Institute for Defense Analysis
IERW	Initial Entry Rotary Wing
IFF	Identification, Friend or Foe (Radar)
IFR	Instrument Flight Rules
IFS	Integrated Facilities
IG	Inspector General
ILS	Instrument Landing System
ILS/MT	Integrated Logistics Support/Management Team
IMAGES	Instructional Material Adequacy Guide and Evaluation Standard
INSCOM	Intelligence and Security Command
INVG	Improved Night Vision Goggles
IOC	Initial Operational Capability
IP	Instructor Pilot
IPC	Instructor Pilot Course
IPR	In-Process Review
IR	Infrared
IRIS	Infrared Imaging Seeker
ISD	Instructional Systems Development
ITAADS	Installation The Army Authorization Document System

ITC	Instructor Training Course
ITDT	Integrated Technical Documentation and Training
ITP	Individual Training Plan
JB	Job Books
J-CATCH	Joint Countering of Attack Helicopters
JCS	Joint Chiefs of Staff
JOA	Joint Operating Agreement
JROTC	Junior Reserve Officers' Training Corps
JSASC	Joint Services Aviation Safety Conference
JTX	Joint Training Exercise
JUMPS	Joint Uniform Military Pay System
LAO	Logistics Assistance Office
LNO	Liaison Officer
LOA	Letter of Authorization; Letter of Agreement
LOCALS	Low Cost Alternative Seeker
LORATS	Long Range Aviation Training Support Plan
LR	Letter Requirement
LSAR	Logistics Support Analysis Record
MACOM	Major Army Command
MARS	Military Affiliate Radio System
MASUBCOM	Major Subcommand
MC	Medical Corps
MCA	Military Construction, Army
MCAR	Military Construction, Army Reserve
MED	Medical

MENS	Mission Element Need Statement
MG	Machine Gun
MI	Military Intelligence
MILES	Multiple Integrated Laser Engagement Simulation
MILPERCEN	US Army Military Personnel Center
MIRADCOM	Missile Research and Development Command
MISO	Management Information Systems Office
MITAC	Map Interpretation Training Analysis Course
MMCS	Missile and Munitions Center/School
MMS	Mast Mounted Sight
MOA	Memorandum of Agreement
MOB	Mobilization
MOI	Methods of Instruction
MOS	Military Occupational Specialty
MP	Military Police
MSC	Medical Service Corps
MSP	Medium Speed Printer
MTD	Maintenance Training Division
MTOE	Modification Tables of Organization and Equipment
MTT	Mobile Training Team
NAF	Nonappropriated Funds
NAFCAB	Nonappropriated Fund Central Accounting Branch
NARADCOM	Natick Army Research and Development Command
NAS	Naval Air Station
NATO	North Atlantic Treaty Organization
NAVAIDS	Navigational Aids
NBC	Nuclear, Biological, Chemical
NCO	Noncommissioned Officer

NCOES	Noncommissioned Officer Education System
NCOIC	Noncommissioned Officer-In-Charge
NETT	New Equipment Training Team
NG	National Guard
NGB	National Guard Bureau
NH	Night Hawk
NICAD	Nickel Cadmium
NOE	Nap-of-the-Earth
NORAD	North American Air Defense Command
NOTAR	No Tail Rotor
NSA	National Security Agency
NVG	Night Vision Goggles
NVL	Night Vision Laboratory
OACSI	Office of the Assistant Chief of Staff for Intelligence
OCCS	Ordnance Chemical Center and School
OCONUS	Outside Continental US
ODCSOPS	Office, Deputy Chief of Staff for Military Operations
ODCSRDA	Office of the Deputy Chief of Staff for Research, Development, and Acquisition
OE	Organizational Effectiveness
OESO	Organizational Effectiveness Staff Officer
OJT	On-the-Job Training
OMA	Operation and Maintenance, Army
OMAR	Operation and Maintenance, Army Reserve
OMARNG	Operation and Maintenance, Army Reserve National Guard
OMB	Office of Management and Budget
OPMS	Officer Personnel Management System
ORSA	Operation Research/Systems Analysis
OS	Operating System

OSD	Office of the Secretary of Defense
OSHA	Occupational Safety and Health Act
OT	Operational Test
OTEA	Operational Test and Evaluation Agency
PA	Procurement Appropriations
PARR	Program Analysis and Resource Review
PCC	Precommand Course
PCS	Permanent Change of Station
PDR	Preliminary Design Review
PI	Product Improvement
PLC	Primary Leadership Course
PLL	Prescribed Load List
PM	Project Manager
PMO	Program Management Office
PM TRADE	Project Manager Training Devices
PNVS	Pilot Night Vision System
POC	Point of Contact
POI	Program of Instruction
POL	Petroleum, Oils, and Lubricants
POM	Preparation for Overseas Movement
POMCUS	Prepositioning of Materiel Configured to Unit Sets
POR	Preparation of Replacements for Overseas Movement
PQC	Prototype Qualification, Contractor
PQC	Prototype Qualification Test
PRAC	Program Resource Advisory Committee
PRAM	Preliminary Reports of Aircraft Mishaps
PT	Physical Training
PTA	Parent Teacher Association
PVT	Production Validation Test

PX	Army Exchange
QC	Quality Control
QM	Quartermaster
QQPRI	Qualitative and Quantitative Personnel Requirements Information
QSTAG	Quadripartite Standardization Agreement
R&A	Review and Analysis
RAM	Reliability, Availability, and Maintainability
RAP	Racial Awareness Program
RASA	Redstone Arsenal Support Activity
RC	Reserve Component
RCM	Reliability Centered Maintenance
R&D	Research and Development
RDAC	Research Development Acquisition Committee
RDTE	Research, Development, Test, and Evaluation
REFRAD	Release from Active Duty
RF	Radio Frequency
RFP	Request for Proposal
RFT	Radio Frequency Test
ROC	Required Operational Capability
ROTC	Reserve Officers' Training Corps
RPA	Reserve Personnel, Army
RSI	Rationalization, Standardization, and Interoperability
RW	Rotary Wing
RWART	Rotary Wing Aviator Refresher Training
RWIC	Rotary Wing Instrument Course
RWIFEC	Rotary Wing Instrument Flight Examiner Course
RWIIPMOI	Rotary Wing Instrument Instructor Pilot Method of Instruction Course

RWQC	Rotary Wing Qualification Course
SA	Special Agent
SAC	Supply Administration Center
SAF	Subject to Availability of Funds
SAG	Study Advisory Group
SAILS	Standard Army Intermediate Level System
SASC	Special Ammunition Support Command
SCC	Student Counseling Course
SCI	Sensitive Compartmented Information
SCRUB	System Change Request Utilization Board
SE	System Evaluation
SEAD	Suppression of Enemy Air Defense
SEBQ	Senior Enlisted Bachelor Quarters
SEER	Senior Enlisted Evaluation Report
SERE	Survival, Evasion, Resistance, and Escape
SF/FIA	Stock Fund/Financial Inventory Accounting
SFTS	Synthetic Flight Training System
SGS	Secretary of the General Staff
SIDPERS	Standard Installation Division Personnel System
SIF	Selective Identification Feature
SIP	Standardization Instructor Pilot
SIRS	Structural Integrity Recording System
SM	Service Member; Soldier's Manual
SMAS	Safety Management Assistance System
SME	Subject Matter Expert
SOP	Standing Operating Procedure
SPA	Skills Performance Aids
SPGM	Special Purpose Goggle Map

TTCP	The Tactical Corporation Program
TV	Television
TVOR	Terminal VHF Omnidirectional Range
UHF	Ultra High Frequency
UHPT	Undergraduate Helicopter Pilot Training
USAAA	US Army Audit Agency
USAAAVS	US Army Agency for Aviation Safety
USAADMINCEN	US Army Administration Center and Fort Benjamin Harrison
USAADTA	US Army Aircraft Development Test Activity
USAAMC	US Army Aeromedical Center
USAARL	US Army Aeromedical Research Laboratory
USAARMC	US Army Armor Center
USAATL	US Army Applied Technology Laboratory
USAAVN	US Army Aviation
USAAVNBD	US Army Aviation Board
USAAVNC	US Army Aviation Center
USAAVSCOM	US Army Aviation Systems Command
USACAA	US Army Concept Analysis Agency
USACAC	US Army Combined Arms Center
USACC	US Army Communications Command
USAEIGHT	Eighth US Army
USAEPG	US Army Electronic Proving Grounds
USAF	US Air Force
USAFAC	US Army Finance and Accounting Center
USAFORSCOM	US Army Forces Command
USALOGC	US Army Logistics Center
USAMACOM	US Army Major Command
USAMRDC	US Army Medical Research and Development Command
USAOTEA	US Army Operational Test and Evaluation Agency

WOCD	Warrant Officer Career Development
WOCMDC	Warrant Officer Candidate Military Development Course
WOOC	Warrant Officer Orientation Course
WOSC	Warrant Officer Senior Course
WPRAC	Working Program Resource Advisory Committee
XO	Executive Officer

