



HISTORICAL SUPPLEMENT

**UNITED STATES ARMY AVIATION CENTER
AND FORT RUCKER
FORT RUCKER, ALABAMA 36362**

1977

**US ARMY AVIATION CENTER
AND
FORT RUCKER**

**ANNUAL HISTORICAL SUPPLEMENT
1977**

**Prepared by:
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PREFACE

This annual Historical Supplement is a resumé of events at the US Army Aviation Center and Fort Rucker for calendar year 1977. 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.

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The US Army Aviation Center and Fort Rucker Annual Historical Supplement for 1977 was prepared in compliance with TRADOC Supplement 1 to AR 870-5.

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SECTION I

US ARMY AVIATION CENTER AND FORT RUCKER

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 specialities 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.)



Major General James C. Smith assumed command of the United States Army Aviation Center/
Fort Rucker on 19 July 1976.



Brigadier General James H. Patterson was assigned Deputy Commanding General, United States Army Aviation Center/Fort Rucker on 22 August 1977, replacing Brigadier General Benjamin L. Harrison who was reassigned to Officer Training Education Review Group, Headquarters, Department of the Army, Office of the Chief of Staff.



Colonel Patrick N. Delavan was assigned as Deputy Installation Commander, United States Army Aviation Center/Fort Rucker on 28 January 1977. This position was established to provide for more intense management of the support functions of the Army Aviation Center.



Colonel William R. Ponder was assigned Chief of Staff, United States Army Aviation Center/
Fort Rucker on 26 April 1976.



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

STAFF JUDGE ADVOCATE

MISSION:

Furnishes legal advice and services to the command, staff, and subordinate elements. Exercises staff supervision over administration of military justice. Renders legal advice and counsel concerning military affairs, legal assistance, and procurement to authorized personnel. Processes claims both for and against the government.

PERSONNEL:

LTC George S. Harrington served as Staff Judge Advocate in 1977.

CPT Michael McElligott was assigned as Legal Assistance Officer in January.

ACCOMPLISHMENTS:

The Administrative Law Section processed approximately 1,750 oral and written inquiries, an increase of almost 50% from last year, pertaining to legal and administrative questions of a military nature from the command group and subordinate units. All of these inquiries were answered after thorough legal research, analysis, and review. In addition to these requests, this section was deeply involved in the defense of five cases pending in Federal Court wherein the USAAVNC or members of the command have been named as defendants, covering such topics as employment discrimination, violation of constitutional rights in an elimination board, downgrading and reduction in force (RIF) of civilian employees, and challenging an Officer Evaluation Report (OER) which resulted in a RIF.

The Military Justice Section provided counsel in over 30 trials by regular Special Court-Martial and 15 trials by Special Court-Martial empowered to adjudge a Bad Conduct Discharge. In addition, 3 records of a Summary Court and some 500 records of proceedings under Article 15, Uniform Code of Military Justice, were reviewed for legal sufficiency. Two cases were processed for General Court-Martial, including Article 32 Investigations. During this period of time, this section prepared and processed to completion 4 discharges under the provisions of Chapter 10, AR 635-200. There were 5 cases in which charges were prepared for court but later handled by Chapter 13 or 14, Administrative Discharges. In addition, there were 20 charges prepared for court but later handled by Article 15, and there were 4 cases in which charges were withdrawn after preparation. Fort Rucker, utilizing the services of the military judges permanently assigned to Fort Benning, Georgia, has been involved in the trial of courts-martial an average of three days per month.

The Defense Section provided counseling and necessary representation for all courts-martial. Counseling was also provided for Flight Evaluation Boards, Student Eliminations, and investigations under provisions of AR 15-6, as well as elimination actions under provisions of AR 635-200 and 635-206. The total number of persons seen for counseling, interviewing, or other assistance was over 2,000, nearly triple the number seen in 1976.

The Administrative Boards Section processed 116 elimination actions under the provisions of Section III, AR 635-200, and Chapters 13, 14, and 16, AR 635-200, as well as providing reporters for 31 elimination board proceedings. The Administrative Board Section operates under the Legal Center Concept and is responsible for preparing all paperwork pertaining to the administrative eliminations from the time the unit commander concerned initiates the action until the subject individual is officially discharged.

The Legal Assistance Section of the Office of the Staff Judge Advocate assisted over 7,900 clients with legal problems; this was an increase of approximately 33% over the number of clients seen in 1976. An additional service of the section was furnishing notarizations for various needs; 4,518 notarial functions were performed. A legal education program included a Federal Income Tax Seminar for unit tax advisors, as well as classes for other groups of service members, dependents, and retirees. This section utilized a para-legal

until April, and during the summer months a number of reserve attorneys on active duty for their annual training was used to aid in rendering legal assistance to all eligible persons. The Legal Assistance Section also participated in the Emergency Readiness Deployment Plan by preparing wills and powers of attorney to assist the unit in implementing an expeditious out-processing plan.

The Procurement Section reviewed proposed contracts approximating \$35 million for legal sufficiency. Over 400 written and 900 oral opinions were provided to Procurement Division, DIO, on such matters as suits, protests, congressional inquiries, bonds, claims, and solicitations. The section attended numerous technical and evaluation board meetings, negotiation and claim sessions, conferences, and seminars. The Procurement Legal Advisor researched and prepared positions on, and participated in an increased number of contractor actions involving the Comptroller General, Armed Services Board Contract Appeals, Labor and Justice Departments, Small Business Administration, and contractor-employee labor relations problems, as well as making significant contributions to the defense of a major class action involving contracting out and the related downgrading of some civilian employees.

The Claims Section received 1,108 claims filed against the United States in the Fort Rucker geographical area for 1977. There were 1,042 claims adjudicated, and payment was made in the amount of \$295,288.35. In addition to its responsibility for adjudication of all claims against the United States for personal injury and property damage, the Claims Section was also responsible for pursuing claims in favor of the Government. A total of \$62,350.40 was recovered for damage to Government property and injury to Government personnel and dependents requiring medical treatment at Government expense.

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 Reserves and National Guard personnel, tenant activities, military dependents, and the geographic area of responsibility.

PERSONNEL:

MAJ John R. Cooke, Public Affairs Officer, December 1976 - February 1977.

MAJ Robert M. McDowell, Public Affairs Officer, March 1977 - present.

Mr. Herbert C. Strickland, Deputy Public Affairs Officer, December 1971 - present.

MSG Richard L. Scena, Public Affairs Supervisor, January 1975 - present.

ACCOMPLISHMENTS:

Guest speakers for the Bogardus S. Cairns Chapter, Association of the US Army were: Sergeant Major of the Army, William G. Bainbridge, 13 January; Lieutenant General John J. Tolson (Ret.), 5 May; Honorable William D. Clark, Deputy Assistant, Secretary of the Army for Reserve Affairs, 16 June; and General George S. Brown, Chairman, Joint Chiefs of Staff, 18 August.

The Army Aviation birthday was celebrated on 4 June. Visitors were invited to ride in one of the 12 UH-1 "Huey" simulators, visit a static display of seven aircraft and a hot air balloon, and the Army Aviation Museum.

Seven new members were inducted into the Aviation Hall of Fame. They were: Lieutenant General John Norton, Brigadier General Robert M. Leach, Colonel Robert H. Nevins, Colonel Claude L. Shepard, Jr., Colonel J. D. Vanderpool, Chief Warrant Officer Johnnie R. Sandidge, and Command Sergeant Major Lawrence E. Kennedy. All the new inductees are retired.

The US Army television news team from the Army Hometown News Center, Kansas City, MO, visited Fort Rucker in May to produce television news releases of aviation training activities.

Extensive Public Affairs coverage and support were provided for the 49'er Party, community projects and activities, seminars, and association activities.

The Army Flier, Fort Rucker's civilian enterprise newspaper, retained its Class A standing by Department of the Army. Layout modernization continued to improve the publication.

The Fort Rucker Public Affairs Office coordinated 16 television interviews for the WTVY (Channel 4) Morning Show. These interviews featured personnel and activities of Fort Rucker.

The Public Affairs Office coordinated media representation on the Marie Sode trial. Media represented included CBS, ABC, and NBC affiliates and local media.

The Public Affairs Office coordinated media coverage of the WILD RAIDER exercise. Local media (radio, television, and newspaper), ABC, CBS, and NBC affiliates were among those to cover the exercise.

A total of 43 tours of the post was coordinated by the Public Affairs Office. Various civilian groups including Boy Scouts, Girl Scouts, Civil Air Patrol, Reserve Officer Training Corps (ROTC), school groups, etc., made up the tours. A total of 1,893 people was given the hospitality of Fort Rucker through these tours.

A total of 840 printed news stories with photographs was released to local and area news media.

A total of 166 electronic releases was made to local and area radio and television stations. These releases went to an average of 10 stations each for a total of 1,660 releases.

INSPECTOR GENERAL

MISSION:

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

PERSONNEL:

LTC Charles E. Parker, Jr., continues to serve as the Inspector General, USAAVNC and Fort Rucker.

MAJ Theodore A. Speaker was assigned as Inspector General and Chief of the Inspections Branch on 11 January 1977.

CPT James L. Gerdeman continues as Inspector General and Chief of the Inspector General Action Request/Investigations Branch.

ACCOMPLISHMENTS:

During 1977, the Office of the Inspector General conducted inspections as follows:

Headquarters, 1st Aviation Brigade and four battalion headquarters
Twenty-four company-sized inspections

Inspection of major Center Directorates/Activities to include:
Directorate of Facilities Engineering, Directorate of Industrial Operations, Directorate of Personnel and Community Activities, Directorate of Combat Developments, Directorate of Evaluation/Standardization, the US Army Aviation Board, the Commissary, the Post Exchange, the Nonappropriated Fund Central Accounting Branch, Comptroller Division, Directorate of Resource Management, Wildlife Association, Visitor's Bureau Billeting Fund, Veterinary Clinic Fund, Flying Club, Chaplains' Fund, Riding Club, and Sport Parachute Club.

Additionally, the Department of the Army Inspector General conducted a general inspection of the US Army Aviation Center and Fort Rucker during the period 10-14 January 1977.

During 1977, approximately 238 Inspector General Action Requests were received and resolved by personnel of the Inspector General Office; additionally, 30 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 1977.

ACCOMPLISHMENTS:

During 1977, eighty-eight employees retired from Civil Service. Sixty retired on disability and 28 were optional retirements.

The civilian strength at the beginning of the year was 2,195 General Schedule (GS) and 696 Wage Grade (WG) employees for a total of 2,891. Due to reorganization and reductions in authorized spaces, there were 2,102 GS and 699 WG employees at Fort Rucker at the end of 1977.

A Full Scale Wage Survey of the Dothan, Alabama, locality was conducted in 1977 by representatives from the DOD Wage Fixing Office and Fort Rucker. The visits to private industries and comparison of wage data resulted in the following average increases in rates:

Nonsupervisory wage grade employees - 13.72% or \$.6773 per hour
Leader wage grade employees - 13.74% or \$.7460 per hour
Supervisory wage grade employees - 11.09% or \$.8794 per hour

Fort Rucker was selected as one of the pilot installations to implement the Standard Civilian Personnel Management Information System (SCIPMIS). Action was initiated during 1977; however, the system will not be fully operational until 1978.

CENTER CHAPLAIN

MISSION:

Provides a program of public worship, religious education, counseling, pastoral care, and moral leadership training to the total military population served by Fort Rucker, including dependents, retired military personnel, and authorized civilians.

PERSONNEL:

Chaplain (COL) Trevor D. Turner, Center Chaplain

Chaplain (LTC) Capistran J. Haas, Catholic Pastor

Chaplain (LTC) Leland S. Buckner, Director, Family Life Center

Arrivals:

Chaplain (CPT) Nicholas E. Wagner was assigned in January 1977 as the 1st Battalion and Worship Ministry Group Manager.

Chaplain (MAJ) Clyde M. Northrop, III, was assigned in August 1977 as 6th Battalion Chaplain and Outreach Ministry Group Manager.

Chaplain (LTC) Howard A. Easley was assigned in December 1977 as Pastoral Coordinator.

Departures:

Chaplain (MAJ) Harvey J. Mills departed in November 1977.

Chaplain (LTC) Alfred T. Forrest departed in June 1977.

Chaplain (LTC) Dallas G. Roscoe retired in August 1977.

ACCOMPLISHMENTS:

The birthday of the late Dr. Martin Luther King, Jr., was observed with a Service of Tribute at Headquarters Place Chapel on 14 January 1977. Reverend Robert Johns, pastor of the Pleasant Grove Baptist Church, Enterprise, Alabama, was the speaker, and COL William R. Ponder, Chief of Staff, presided.

The Annual National Prayer Breakfast was conducted at the Fort Rucker Officers' Open Mess at 0630 hours on 27 January 1977. The featured speaker was General Ralph E. Haines, Jr., USA (Ret).

The Protestant Women of the Chapel's Mother and Daughter Banquet was held on 17 January 1977 with a theme of "Bright Hope for Tomorrow."

1977 marked the first full year that a Chaplain Instructor, Chaplain (CPT) John W. Brinsfield, was assigned in the Warrant Officer Career College and Aviation Center. He taught twelve different subjects to a myriad of classes from NCOES level to advanced refresher courses of aviation officers. Subjects in communicative skills and moral leadership received extremely high critique ratings.

An Organizational Development Program was conducted for the Chaplain Section with Chaplain (LTC) Dan Rivers from the US Army Chaplains' Board serving as the OD Consultant. This program was instrumental in the development of the one-parish concept and the effort toward developing lay leadership.

A monthly Black Gospel Service was started with civilian choirs from the surrounding communities coming on post to lead in the singing worship services. This led to better communication between civilian and military personnel.

The Family Life Enrichment Center continued to expand its scope and influence with Chaplain (LTC) Leland S. Buckner as director. The Family Life Enrichment Center is providing programs such as family enrichment workshops, marriage enrichment workshops, communication workshops, family counseling, marital counseling, and individual counseling.

USAAVNC Regulation 608-3, Domestic Disturbance Instruction Program, was published under the supervision of the Center Chaplain. Instruction was begun with couples having domestic disturbances.

The Religious Education program included the training of four teams of young people during 1977 who were involved in a puppet ministry. The purpose of this group was to illustrate the biblical truths throughout the entire religious education and chapel programs using puppet dramas as both a teaching function and as a learning experience for the puppeteers.

Lenten Services were conducted at the Chapel of the Flags each Thursday evening at 1900 hours from 23 February through 10 April 1977 and were conducted at 1200 hours Monday through Friday at Headquarters Place Chapel.

The Bethel Series, an intensive Bible study of the Old Testament, began on 23 March and ended on 29 June 1977. The New Testament study began on 7 September and was held each Wednesday from 1930-2100 hours until January 1978. Mr. Louie Reynolds led the class.

The Easter Sunrise Service was conducted on 10 April 1977 at the Parade Field. Chaplain (BG) Brian Dougall, Deputy Chaplain General of the British Army, was the featured speaker.

Bishop John L. May, Bishop of the Mobile Diocese, administered the Sacrament of Confirmation at the Continuing Christian Development Program Mass on 23 April at the Fifth Avenue Chapel.

The Protestant Women of the Chapel held their annual Good Friday Prayer Breakfast production at the Fort Rucker Officers' Club on 8 April 1977 for Fort Rucker and the neighboring civilian communities. The Good Friday play, "A Dream to Remember," written by Mrs. Jewell Ellen Smith, was presented.

A Protestant Chapel Council was established and the Protestant program inaugurated a one-parish concept. This program was an effort to build team ministry among the Protestant chaplains on post and to coordinate all parish programs under the supervision of a lay Chapel Council composed of representatives from the various Protestant congregations. The areas of responsibility were worship, outreach, troop training, stewardship, and religious education.

An annual program sponsored by the Office of the Center Chaplain to invite civilian clergy from the Wiregrass area was conducted on 10 May 1977 to acquaint the clergymen with the activities of Fort Rucker and to elicit interest in the activities of the post. A briefing was given not only on the aviation activities but also on the work of the chaplains within the Fort Rucker community.

Quarterly Prayer Breakfasts were held in May and October 1977. Coach Bradshaw of Troy State University spoke at the Spring Quarterly Prayer Breakfast. LTC Roeper, the German Liaison Officer at Fort Rucker, spoke at the Fall Prayer Breakfast.

Catholic Vacation Bible School was held on 7-10 June 1977 at the Religious Education Center.

A Protestant Vacation Bible School (VBS) Workshop was conducted on 13-14 June 1977 by Mr. Reynolds, Protestant Director of Religious Education. The attending teachers and workers were trained to conduct a meaningful VBS.

A Catholic Summer Camp for pre-kindergarten through 5th grade children was held at the Fort Rucker Religious Education Center.

A Protestant Summer Camp was conducted at Blue Lake during 1-5 June 1977. Mr. Reynolds, the Protestant Director of Religious Education, and two other resource people led the five-day retreat.

On 11 July 1977, the Commanding General signed the Center Chaplain's Stewardship Program for 1978 embracing 122 projects. The projects involve a whole spectrum of ministries using both chapel staff and lay leadership anticipating 30,000 staff and volunteer manhours.

The Protestant Women of the Chapel held their Fall Rally 19 September 1977 at the Chapel of the Flags with the theme of "Reach Out and Touch." Mrs. Jere Beasley was the featured speaker at the luncheon held at the Lake Lodge.

The Catholic Continuing Christian Development Program began in September 1977 at the Fort Rucker Elementary School with 450 students from grades preschool through senior high school and 115 teachers, assistants, and helpers.

The Meditation Room, Jacob's Well, was dedicated in Lyster Army Hospital in September 1977.

The Medical Ethics Symposium was presented by Dr. Kenneth Vaux from the Texas Medical Institute at Lyster Army Hospital on 14-16 September 1977. Chaplain (CPT) Louis L. Schmit was the Project Officer in charge of this symposium which addressed itself to the chaplains and the medical staff at Lyster Army Hospital.

A Lutheran Retreat, 21-23 October 1977, was held at Camp Victory. Planning was made; lay leaders appointed a choir director, and lay readers volunteered. Two themes were "I Wish I Could . . ." and "I Wish We (as a Lutheran congregation) Would . . ."

An International Center for Learning Workshop was held on 28-29 October 1977 at the Religious Education Center.

A Family Care Program was instituted in November 1977 to more adequately care for chapel families. Chapel rolls were formulated in December to aid in enrolling families in the program.

The Protestant Women of the Chapel held their Annual Retreat at Blue Lake on 3-5 November 1977 with the theme of "Renewing Love." Mrs. Carlotta Ritenour and Mrs. Rose Ann Johnson from Renewing Love Ministries led the retreat.

An Ecumenical Thanksgiving Service was conducted on Thanksgiving Day by three chaplains and eight lay people. A brass ensemble accompanied congregational hymns and also presented the prelude and postlude.

The annual Feast of Christ the King Pageant was conducted for the Catholic parish in the Post Elementary School on 27 November 1977.

The Catholic Ladies Guild hosted the Annual Ecumenical Brunch on 2 December 1977 at the Officers' Club. The Protestant Women of the Chapel were the guests of the Ladies Guild. "Come to the Manger" was the theme of the brunch, and the cantata, "Wondrous Love," was presented by the George C. Wallace Choral Group. Food given to the Christ child at the manger was presented to the ACS Family Assistance Program.

A Christmas cantata was presented on 11 December 1977 at the Post Theater by the 98th Army Band and the combined (Protestant and Catholic) choirs. WO1 Luther Murphy, Bandmaster, directed the choir and band. The 1st Battalion was responsible for all publicity.

The annual Protestant Christmas Eve Candlelight Service was conducted on 24 December 1977 at the Chapel of the Flags, and a Lutheran Candlelight Service was conducted at Headquarters Place Chapel.

A Children's Christmas Eve Mass was celebrated at 1800 hours on 24 December 1977 at the Fifth Avenue Chapel, with a traditional Midnight Mass at 2400 hours.

On 27-29 December 1977, Father William Kelly led the Catholic Youth Organization (CYO) retreat.

Protestant Youth of the Chapel (PYOC) held their retreat at Blue Lake Assembly on 27-29 December 1977 led by Mr. Louie Reynolds.

The Off-Post Religious Retreat program continued to be a major religious emphasis during 1977 with 15 retreats conducted at Blue Lake Assembly, Andalusia, Alabama.

The Center Chaplain's Office co-sponsored the annual Post Christmas Tree Lighting Ceremony on 15 December 1977 in front of the post headquarters. Operation Santa Claus toys were symbolically distributed to the mayors of the surrounding communities, and candy stockings were distributed to the children.

SECRETARY GENERAL STAFF

MISSION:

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

Protocol Division - Plans and coordinates all itineraries, billeting, transportation, and social activities for official visitors and guests of the command.

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

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 1976/77:

Secretary General Staff	Major Joseph R. Gaston	12 Jul 76 - Present
Chief of Protocol	Major Robert F. Woodruff	11 Aug 76 - 4 Feb 77
	Captain George P. Wilson, III	5 Feb 77 - 22 Sep 77
Escort Officer	Lieutenant Karl W. Uchrinscko	21 Jul 76 - Present
Command Pilot	CW3 David R. Bailey	20 Mar 76 - Present
SGS Administrative Assistant	SP5 Gary W. Wright	7 Jan 77 - 20 Jun 77
	SSG Charles M. Hunter	21 Jun 77 - Present
Protocol NCOIC	SGT Vicki J. Shelton	3 Sep 76 - 19 May 77
	SP5 David L. Glazier	20 May 77 - 6 Oct 77
	SP5 Gary W. Wright	7 Oct 77 - Present

ACCOMPLISHMENTS:

The Office of the Secretary General Staff provided support or assistance to over 400 official visits to the United States Army Aviation Center. More than 80 official visitors were General Officers or equivalent and included Congressman William L. Dickinson, Congressman Erwin Horn, FRG; General George S. Brown, Chairman Joint Chiefs of Staff; General Bernard W. Rogers, Chief of Staff, United States Army; General John W. Vessey, Commanding General, 8th United States Army Korea; General Andrew Cucino, Chief of Staff, Italian Army.

The following visits were hosted by the US Army Aviation Center during 1977:

European/NATO Initial Entry Pilot Training Program Symposium attended by military representatives of the Federal Republic of Germany, Denmark, Norway, Italy, and the United States, 10-19 January 1977.

First US Army Standardization Training and Safety Conference, 15-17 April 1977.

1977 Foreign Military Attache Tour attended by military representatives of countries from Asia, Europe, Africa, the Middle East, North, South, and Central America, 10-11 March 1977.

US Army Airmobility Research and Development Laboratory Management Council, 17-20 April 1977.

Joint Services Training Conference attended by representatives of the Department of Defense, US Coast Guard, Marine Corps, Navy, Air Force, and Army, 9-10 May 1977.

Army Scientific Advisory Panel, 10-11 May 1977.

Worldwide Simulator Conference, 17-18 August 1977.

Twenty-five Senior Aviators of the 101st Airborne Division (Air Assault), Fort Campbell, KY, 14-17 September 1977.

Tri-Service Air-to-Air Symposium attended by 92 civilian and military representatives of the Department of Defense, 25-27 October 1977.

Army Aviation Orientation for Ground Commanders Tours attended by 48 officers of California National Guard, 14-16 November 1977.

DIRECTOR OF TRAINING

MISSION:

Serves as Command Aviation Officer and principal advisor to the Commanding General and Deputy Commanding General on the conduct and administration of resident instruction for which USAAVNC is proponent. Provides worldwide software for aviation simulators. Directs the efforts of the USAAVNC resident training departments. Supports Directorate of Training Developments and Directorate of Combat Developments with subject matter expertise. Serves as program manager. Provides staff supervision of Det 9-5th Weather Squadron and the Aviation Training Library.

ORGANIZATION:

The Directorate of Training (DT) is composed of four departments and a training library.

- Department of Resident Training Management
- Department of Academic Training
- Department of Undergraduate Flight Training
- Department of Graduate Flight Training
- Aviation Training Library

PERSONNEL:

COL Kenneth J. Burton served as the Director of Training throughout 1977.

LTC Lawrence D. Pierce was the Assistant Director of Training from 1 January 1977 to 15 May 1977.

LTC Ronald A. Jones was Assistant Director of Training from 16 May 1977 - 7 August 1977.

LTC Synda B. Allen was Assistant Director of Training from August - December 1977.

MAJ Donald W. Farnham was the Chief of Administration and Management throughout the year.

SGM Lloyd M. Rogers was the Directorate of Training Sergeant Major for 1977.

In July 1977 through the dissolution of the Office of the Education Advisor, the Aviation Training Library was placed under the control of DT. Ms. Lucile Durkin is the Chief Librarian, Aviation Training Library.

The Office of the Director of Training and the Aviation Training Library authorized strength at the end of 1977 is as follows:

Officers, 2; Enlisted, 1; Civilians, 14; Total, 17.

DEPARTMENT OF RESIDENT TRAINING MANAGEMENT

MISSION:

Coordinates and supervises training plans and requirements for resident courses of instruction relating to instructional methodology, the electives program, resident training, resources requirements, resident course scheduling, resident student input, and in-training load. Determines flight hour programs to support directed training missions. Manages and schedules aircraft, classrooms, classroom equipment, and other related USAAVNC resources. Produces and presents command briefings as directed by the Command Group. Provides staff supervision over Det 9-5th Wea Sq and the operation of training/maneuver areas, ground/aerial ranges, flight records, airspace coordination and management, and flight training facilities.

ORGANIZATION:

The Department of Resident Training Management (DRTM) is composed of three divisions:

Training Management Division
Training Support Division
Airfield Operations Division

PERSONNEL:

LTC Ronald A. Jones was Department Director from 1 January 1977 - 15 May 1977.

MAJ Kent D. Menser was Department Director from 16 May 1977 - 16 July 1977.

MAJ Richard C. Gogolkiewicz was acting Department Director 16 July 1977 - 25 August 1977.

COL George W. McIlwain became Department Director on 26 August 1977 through 31 December 1977.

MAJ Kent D. Menser was Chief, Training Management Division, 1 January 1977 - 14 May 1977.

CPT Donald P. Frederick was Chief, Training Management Division, 15 May 1977 - 25 August 1977.

MAJ Richard C. Gogolkiewicz was Chief, Training Management Division, 26 August 1977 - 31 December 1977.

MAJ Alan W. Coulter was Chief, Airfield Operations Division, 1 January 1977 - 31 December 1977.

MAJ Howard S. Rodesky was Chief, Training Support Division, 1 January 1977 - 8 April 1977.

CPT David H. Pollock was Chief, Training Support Division, 9 April 1977 - 31 December 1977.

Officers, 20; Warrant Officers, 11; Enlisted, 165; Civilians, 65; total 261.

ACCOMPLISHMENTS:

175/40 Initial Entry Rotary Wing (IERW) Dual Track Program

The 175/40 IERW course was implemented on 13 June 1977. This course is designed to make effective use of the synthetic flight training system of UH-1FS. The savings generated by UH-1FS use have allowed conversion of tactics flight from Vietnam era tactics to high threat tactics of the type anticipated on the modern battlefield. Twenty-five percent of all US Army students of each IERW class are chosen to participate in the OH-58 contact/combat skills phase of training. The remaining students complete the conventional utility helicopter track.

Aviation Commander's Readiness Course

The Aviation Commander's Readiness course was implemented on 11 April 1977 and is designed to provide aviation commanders and staff officers the most up-to-date information on aviation trends, doctrine, and threat awareness. The training will prepare these key individuals (who may or may not be rated aviators) to employ their aviation assets in the most tactically sound and cost effective manner. Each class of 20 students is composed of commissioned officers in the grade of Captain or above from both active Army or Reserve component units. The two-week course is presented once every four weeks.

Rotary Wing Aviator Refresher Training Course

The Rotary Wing Aviator Refresher Training Course was implemented on 25 April 1977. This course is designed to provide aviator personnel, returning from nonflying assignments, with refresher training to enable successful rotary wing instrument requalification and familiarization with current aviation threat, doctrine, tactics, and techniques. Total flight hours for this program include twelve UH-1 flight simulator hours and eighteen hours in the UH-1H. The class size is programed at ten students, and 500 will be trained annually.

Aerial Gunnery Range Expansion

In anticipation of the introduction of future weapons systems for attack helicopters, it has become apparent that USAAVNC range facilities are inadequate to support training on these systems. In this regard, action was initiated to expand the range area by approximately 7,000 acres. This expansion would be accomplished by the rerouting of Highway 27. A concept briefing was presented to representatives of local governments and US Congressman William Dickinson on 6 July 1977. Fullfledged support for this action was pledged, and tentatively the rerouting is planned for completion not later than November 1978.

AH-1S Production Aircraft

On 26 July 1977, the first AH-1S production aircraft was received by USAAVNC for use in the Cobra TOW qualification course. The AH-1S fleet used in conjunction with student training is composed of four AH-1S Production and two AH-1S Modified aircraft. Until such time as aircraft fleet worldwide is fully converted to production aircraft, students will be trained/qualified in both model aircraft.

Visit by California National Guard

During the period 15-17 November 1977, approximately 50 personnel from the California National Guard visited USAAVNC for a series of update briefings. The briefings were designed to provide the commanders and staff officers an awareness of how aviation assets will be employed to support the ground gaining arms. The highlight of the visit was their attendance at the Tactical Training Exercise (TTE) presented by the Department of Graduate Flight Training.

Support of 82d Airborne Div and 101st Airborne Div Emergency Deployment Readiness Exercise (EDRE)

On 28 June 1977, approximately 180, 82d Airborne troops arrived at the Dothan Airport via C130. They were transported to Tac Runkle by UH-1s and flown by students in the tactics phase of initial entry training. Following two days of rehearsals, supported by Advanced Div, DUFT, the troops were airlifted to Eglin AFB to conduct an operation at Hulburt AFB.

On 4 October 1977, approximately 170 troops from the 101st Airborne Div (Air Aslt) conducted a similar exercise. Rehearsals were conducted in the SERE area prior to the airlift to Eglin.

Long Range Aviation Training Support Plan (LORATS)

LORATS was developed in order to provide an orderly statement of the aviation training facilities required to support the USAAVNC mission during the period 1978-1990. This plan was approved by the Commanding General in May 1977 and will be published in January 1978.

Installation Expansion Capability Plan

Bernard Johnson, Inc., of Atlanta, Georgia, through a TRADOC contract supervised by Mobile District Engineers and in conjunction with DRTM and DFAE completed the Fort Rucker installation expansion capability plan. This plan articulates Fort Rucker's total capabilities to expand to meet a full mobilization training schedule and includes all utilities and physical resources available without regard to limiting factors such as manpower and funds. Although the groundwork for the plan was laid in late 1976, the majority of the input was provided between February and September 1977.

Night Vision Goggle Filters

In conjunction with USAARL, filters for the AN/PVS-5 night vision goggles were developed that would allow the goggles to be used for training during daylight hours. A three-week test, using IERW students, was conducted in June that determined the filters' suitability for training. As much as 60% of the initial training in the goggles can be conducted with the day filters.

Support of Reserve Component Training - 130th Aviation Battalion (CBT), Smyrna, Tennessee

Beginning 15 Jan 77, five increments of the 130th Avn Bn conducted their two-week annual training at Fort Rucker. The final element completed 28 May. During the five-month period, 110 officers were NOE qualified while 259 enlisted personnel received either classroom instruction or proficiency progression training, depending on their MOS and skill level.

EURO/NATO Helicopter Training Program Symposium

The second symposium was held at the German Aviation School, Bueckeburg, Germany, during the period 2-4 November 1977. The USAAVNC delegation was composed of MG Smith, the Director of Training, and representatives from Directorate of Evaluation/Standardization, Directorate of Training Developments, and Department of Resident Training Management. Items of discussion included resequencing of training phases, standardization of emergency procedure instruction, and the employment of EURO/NATO instructor pilot personnel in IERW training.

The following dates were of significance:

- | | |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17-18 Jan | USAAVNBD using DGFT IPs conducted Gunnery Accuracy Control Panel (GACP) and TOW Missile Sight Video Camera System (TMSVGS) Evaluation Test, Phase I. Phase II was completed on 2 Feb. |
| 28 Jun | USAADTA conducting test on the Chaff Warhead using the 2.75 IN FFAR at Blacksmill Range.

Layout and inspection for construction of new M79/M203 40mm Grenade Launcher and Light Antitank Weapon (LAW) Ranges were conducted by Company C, 46th Engr Bn and 123d Ord Det (EOD). |
| 19 May | Hands-on instructional training of student pilots of Class 77-14, AH-1G Aviator Qualification Course, in loading of AH-1G Attack Helicopters was initiated at Matteson Range. Instructional support was provided by Armament Support personnel, Range Branch, DRTM. |

25 May

New techniques utilizing NOE routes and hover-fire points around the Range Complex were initiated at Fort Rucker by Class 77-14 of the AH-1G Aviator Qualification Course.

936th AHC, Arkansas National Guard, conducted unit gunner training off Blacksmill and Matteson Aerial Gunnery Ranges.

ETV shot portions of DA Training Film, "SUPPRESSION OF ENEMY AIR DEFENSE WEAPONS, Part I," at Matteson Range.

877th Engineer Battalion (Alabama National Guard) and the 145th Engineer Battalion (Alabama National Guard) conducted two weeks annual training at Fort Rucker utilizing training areas and small arms ranges (Machinegun, Known Distance, Pistol, LAW, 40mm, and Trainfire).

Tactical Training Exercise held at Matteson Aerial Gunnery Range for USMA Cadets, WOAC/WOSC, and personnel from surrounding communities.

11-12 Aug

Tokyo Broadcasting System (TBS) filming Aerial Gunnery firing at Matteson Range for portion of 60-minute documentary on the US Army.

12 Sep

Initiated survey of locations for Forward Area Rearm Refuel Point (FARRP). Several areas considered; final location to be "old hand grenade range area."

Tactical Training Exercise held at Matteson Aerial Gunnery Range for California National Guard, Air Force ROTC class, and personnel from surrounding communities.

To provide more realism in aviation training, the Chief, Airfield Operations, was tasked to upgrade tactical sling loads. This was accomplished by replacing concrete blocks with salvaged 1/4- and 3/4-ton trucks, ambulances, and 3/4-ton trailers. The equipment was procured through various property disposal offices and was integrated into training during the month of August.

At the direction of the Commander, USAAVNC, Airfield Operations assumed responsibility for issue, accountability, and maintenance of all survival vests located at Fort Rucker. The daily management of this equipment is incumbent on the three basefields; thus, assuring that the pilot in command of every flight has a survival vest aboard his aircraft.

Significant airspace adjustments have been made to accommodate the 175/40 Flight Training Program and the reorganization of the Instrument Training Airway System.

Airfield Operations has participated in the evaluation of all stagefields in an effort to determine their adaptability for use of NVG and Night Hawk training.

During 1977 this activity published the following: The total revision of USAAVNC Suppl 1 to AR 95-1, as well as publishing Change 1 to the same; USAAVNC Pamphlet 95-15, the Fort Rucker Base and Stagefield Manual with Changes 1, 2, and 3; and Changes 1 and 2 to USAAVNC Suppl 1 to AR 95-26.

Cairns Army Airfield

The traffic count for the year totaled 315,275 operations. The assigned fixed wing fleet decreased from 41 to 32 aircraft. The helicopter fleet increased from 93 to 125, resulting in a net increase of 30 aircraft. The required parking spaces for the additional helicopters were added to Alpha ramp. In February the US Army Aviation Board was headquartered

in Building 30501AB. Headquarters and Service Company, United States Army Communications Command (USACC) Agency relocated from main post to Building 30501AB. Approximately 100 USACC enlisted personnel are billeted at Cairns. In January strobe sequential flashing lights were installed on the approach end of runway 06. They represent a significant aid to runway identification during periods of low visibility and the hours of darkness. Runways 06/24 and allied taxiways were resurfaced during the month of November.

Low Army Heliport

The traffic count for the year totaled 113,595 operations. The assigned rotary wing fleet decreased from 138 aircraft to 107. This was due to the relocation of all AH-1, OH-58, OH-6, and UH-1M aircraft to Hanchey AHP on 29 October 1977. During the year construction of the north and south departure lanes/forced landing areas for use of west ramp traffic was completed. The Low AHP Operations Office was remodeled to provide ease of flight planning and security of survival vests. Due to the expiration of a lease, the Low nondirectional beacon was relocated. This action resulted in the design and approval of the Low Copter NDB 060° approach, effective 1 December. In support of the 175/40 Flight Training Program, Low AHP flight operations began a twenty-four hour a day, five days a week schedule on 18 November.

Hanchey Army Heliport

The traffic count for the year totaled 83,019 operations. The assigned rotary wing fleet at year end was 225. In January the US Army Aviation Precision Demonstration Team (Silver Eagles) was officially deactivated. Their departure provided additional classroom, office, hangar, and aircraft parking space. As a result of this, the 46th Engineer Battalion (Combat) and Directorate of Facilities Engineering were tasked to build a secure armsroom and maintenance area within Hangar 208. With the completion of the armsroom, all AH-1, OH-58, OH-6, and UH-1M aircraft were relocated from Low AHP to Hanchey AHP on 29 October 1977. Because of the diverse types of aircraft assigned to Hanchey, the heliport hosted many visitors and conducted tours for parents and wives of student aviators, junior and senior high school students, scout groups, and various civilian organizations.

Runkle Army Airfield

The traffic count for the year totaled 122,205 landings and departures. There are no aircraft assigned to Runkle AAF. In support of the Departments of Undergraduate Flight Training and Graduate Flight Training, the Ground Control Approach (GCA) provided 2,177 practice approaches; while the Flight Coordination Center (FCC) provided flight following for 131,007 aircraft. During the year elements from both the 82d Airborne Division and the 101st Airmobile Division used Runkle AAF in support of field training. Improvements to the airfield consisted of replacing the outdated control tower and the removal of trees located on the south approach to the north heliport.

During 1977 USAAVNC flew 227,212 hours. March was the peak month with 20,564 hours. Aircraft Management Branch developed a new flight hour management program based on computer input/output. This will greatly facilitate the programming of flight hours. Scheduling Branch completed programming of the 175/40 Initial Entry Program. This project included accounting for more than 1,200 hours of instruction and coordinating unique support requirements associated with night qualification phase of training. Scheduling Branch also coordinated two live fire tactical training exercises in July and November. In October Instrument Aviator Qualification Office implemented the Aircrew Training Manual Program. This approach to individual training is expected to greatly enhance the readiness of USAAVNC aviators. Flight Records initiated action to attempt to obtain new word processing equipment to improve the operations. Although considered a viable method, it was postponed pending results of the Aviation Management Information System review. Additionally, Flight Records assumed responsibility for supporting the flight contractor with maintenance of flight hours.

DEPARTMENT OF ACADEMIC TRAINING

MISSION:

Conducts academic training for the Army Aviation Center to support flight, maintenance, flight operations, air traffic controller, noncommissioned officer education system, and warrant officer professional development course 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.

Extension Training Management Branch procures, stores, and issues training materials to active Army units, USAR schools, and USAR, ROTC, and ARNG units. Determines stock control levels of expendable and nonexpendable property and supplies, including those shipped to units, and maintains required property and inventory records. Fills requisitions received from other schools for nonresident instructional material. Maintains current mailing lists of all participating Reserve Components and ROTC activities, and other agencies as appropriate. Conducts periodic staff evaluation visits to designated USAR schools. Maintains liaison with and arranges instructional material support to other service schools, USAR schools, Reserve Component units, ROTC units, and active Army units. In coordination with DT and DTD, recommends changes to courses based upon comments from students, units, and other service schools. Assembles and issues the Army Aviation Written Examination and reference materials to all Army units with aviators assigned.

Air Traffic Control Division conducts advanced individual training (AIT) and NCOES advanced training for MOS 71P, 93H, and 93J.

Career Training Division provides an advanced and senior educational program to further the professional development of selected warrant officers and conducts common subjects instruction for the advanced NCOES courses for enlisted aviation personnel. Conducts academic instruction in support of aviation qualification, aviator refresher training, and graduate courses of instruction.

Maintenance Training Division conducts advanced individual training for MOS 67N and 67V and provides maintenance training for aviator qualification and graduate courses 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. Training began on the CH-47FS on 7 November 1977.

USAF Operation Location AK, 4525th Combat Applications Squadron, Tactical Air Command, conducts resident instruction for the USAAVNC on USAF subjects and the USAF aspects of joint aviation operations; serves as USAF advisor to the USAAVNC, and performs liaison tasks between appropriate elements of the USAF and the USAAVNC.

ORGANIZATION:

The Department of Academic Training (DOAT) is composed of a Headquarters, an Administrative Branch, a Supply Branch, an Extension Training Management Branch, an Operations Division, a Learning Center, and four training divisions:

Air Traffic Control
Career Training
Flight Simulator
Maintenance Training

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

PERSONNEL:

COL Howard E. Brown, assigned as Department Director in October 1973, continued in that capacity throughout calendar year 1977. The position of Deputy Director, held by LTC Wilfred H. Wittekind through November 1977, is now referred to as Executive Officer.

Key personnel changes during the year:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival/Departure Dates</u>
LTC W. H. Wittekind	Dep Dir	15 Mar 76 - Retired 30 Nov 77
LTC C. E. Anderson	C, Op Div	9 Sep 76 - 7 Feb 77
MAJ B. W. Addy	C, Op Div	16 Feb 77 - 24 Aug 77
MAJ J. V. Owens	C, Op Div	24 Aug 77 - Present
CPT C. Foster	C, MTD	8 Nov 76 - 17 Jan 77
MAJ I. Travis	C, MTD	17 Jan 77 - Present
LTC E. E. Curbow	C, FSI	15 Mar 76 - Present
LTC M. G. Thompson	C, CTD	7 Jan 74 - 29 Apr 77
MAJ J. V. Owens	C, CTD	29 Apr 77 - 11 Jul 77
LTC R. S. Jones	C, CTD	11 Jul 77 - Present

ACCOMPLISHMENTS:

The department provided academic training in support of 58 courses of instruction (COI) during the calendar year. The following Reserve/National Guard Training was supported by the department during the year:

101st Avn Gp, ATC Tng - 1 Apr 77
131st Avn Co (CBT) MS, NG, Jackson, MS, ATC Tng - 14-15 May 77/23 May - 3 Jun 77
TN NG, 17-28 Jan 77, 14-28 May 77
Fort Hood, APR-39 Tng, MTT, 10-13 Apr 77
AR NG, 31 Jul 77 - 14 Aug 77
CT NG, 67N Tng, 10 Jul 77 - 3 Aug 77
7/17th Cav, Fort Hood, TX, APR-39 Tng, MTT, 23-26 May 77
347th (Miami), 27 Jun 77
28th Avn Bn, PN, MTT, 15-16 Oct 77
MS NG, 8-9 Oct 77, 5-6 Nov 77
195th Avn Co, ARCOM, Fort Meade, MD, MTT, 14 Aug 77 - 9 Sep 77

AVIATION LEARNING CENTER

During this calendar year the Aviation Learning Center provided assistance to approximately 40,000 students. The 16-hour block of AIT common subjects was also revised and expanded. Currently, this course provides instruction for approximately 20 advanced individual training students per day. This course was implemented to provide maximum utilization of the Learning Center during the non-peak hours of the day and provide maximum utilization of instructor personnel. The AIT course is a self-paced course consisting of Command Information, Map Reading, and NBC. The course graduates approximately 100 students per week. To enhance and augment the instruction of the service schools on Fort Rucker, the Aviation Learning Center has a reservoir of information on every phase of instruction taught at the USAAVNC. The Aviation Learning Center continually acquires, updates, and revises the material used by students, permanent party, and civilian personnel. Acquisitions this year include a Lab 10 and 4-place tower to assist and complement instruction 93H and 93J students. This device is an exact duplicate of the tower utilized in the classroom. A qualified air traffic control instructor is also provided. Supplemental reading lessons are available to aid in curbing the potentially high rate of attrition of students having reading difficulties. This year approximately 85 part-time students have been aided in attaining a better understanding of reading and English. Diversified in its learning material, the Learning Center has acquired material on such unique subjects as mental health, stenographer refresher, typing, and speed reading in its desire to assist all service members. The Commanders' Readiness Program was assembled to aid senior company grade and field grade officers attending the Commanders' Readiness Course. This course contains 15 lessons which must be viewed during their off-duty time. The complete self-paced 71P course is available at the Learning Center to assist and reinforce instruction taught in the classroom. These programmed texts and supplemental tapes have greatly reduced the high rate of attrition of the course. Since its establishment in 1971, more than 150,000 students have participated in the multi-media instruction available at the Aviation Learning Center. On 9 March 1977, the Aviation Learning Center reached a milestone and symbol of continued success marked by the induction of the 150,000th student, SP4 Mark J. Garcia. Command changes at the Aviation Learning Center during year were: CPT Wyndell E. Burden (now Major) from October 1975 to January 1977; MAJ Charles O. Shepard from 17 January 1977 to 10 September 1977; and Charles E. Taylor from 10 September 1977 to the present.

AIR TRAFFIC CONTROL DIVISION

During 1977, all branches of the Air Traffic Control Division completed and finalized all aspects of the self-paced training programs. It has proven throughout the Air Traffic Control Division that this new type training produces a more rounded and better qualified student upon completion of the Army Air Traffic Control course.

The Advanced Branch has numerous new projects underway from CY 78, which include a new and improved communications system for the 15G16 Radar Simulator which is being constructed by Fort Rucker TASO with an estimated completion date of FY 2/78. A preliminary survey is underway to determine overhaul requirements for the 15G16 Radar Simulator, and a feasibility study regarding a control tower simulator.

Introduction to Terminal Air Traffic Control and Utilization of Air Traffic Control concepts have been presented to the Senior Safety Officer Course, Commanders' Readiness Course, and the Warrant Officer Career Course with the objective of presenting a clear understanding of the problems associated with air traffic control.

The non-radar training laboratory master consoles have been redesigned; training literature has been rewritten, and new audio and visual programs have been introduced which greatly improved the quality of instruction. A branch student control center was modified to give better control of incoming and outgoing students.

The Deployment Branch completed testing the 15G14 Radar Target Simulator Device, and all devices (32 systems) were inventoried, packed, and forwarded to the US Army Communications Systems Agency by 24 May 1977.

The Flight Operations Section (MOS 71P) completed the self-pace method of instruction on 29 August 1977. The new instruction which features training aids such as slides, cassette tapes, TV films, student handouts, and programed texts has produced more thoroughly trained students.

Overall, the initial results of "self-pace" have been encouraging, reducing the attrition rate from 60 percent to less than five percent. Also, more students are now being trained in a considerably shorter length of time.

Throughout the year the Air Traffic Control Division supported the National Guard units of the states of: New York, Minnesota, Pennsylvania, Mississippi, and Tennessee.

MAINTENANCE TRAINING DIVISION

On 30 May 1977, building 6005, Department of Maintenance Training (MTD) Facility, United States Army Aviation Center, was designated as Yano Maintenance Training Facility in honor of Medal of Honor recipient Sergeant First Class (SFC) Rodney James Takashi Yano. Memorial and dedication ceremonies were conducted on Memorial Day, 30 September 1977. Personnel attending the ceremony included Mr. and Mrs. Richard S. Yano, parents of the late SFC Yano; Brigadier General Benjamin L. Harrison, Deputy Commanding General of Fort Rucker; COL Howard E. Brown, Director of Department of Academic Training; and COL John C. Bahnsen, Former Commander of SFC Yano at the time of his death.

Throughout the year MTD supported numerous post functions by providing space in Yano Maintenance Training Facility for the annual 49'er Party, Officer and NCO Wives' Club Christmas Bazaar, and for the area ROTC Drill Team Competition.

In its continuing training responsibilities during 1977, the Maintenance Training Division has trained and graduated 1,047 67N students, 896 67V students, and 2,220 aviator related students. In addition to normal instructional requirements, Maintenance Training Division was committed to furnish MTT and NETT teams. A one-man mobile training team (MTT) was sent to Honduras in May 1977 to instruct UH-1B aircraft maintenance to the Honduran Air Force. Four enlisted personnel from MTD are presently committed to a new equipment training team (NETT) that will tour selected units in the United States and Europe. MTD also has one instructor on standby for the AH-1S MTT.

In October 1977, the Transportation School, Fort Eustis, Virginia, assumed the responsibility for developmental control of material to be taught in the 67N/V maintenance courses. The Transportation School has always been the proponent agency for the 67N/V maintenance courses, but had served only for approval/review agency in the past few years.

FLIGHT SIMULATOR DIVISION

The Flight Simulator Division (FSI) experienced a period of increased VIP briefings for the third year in succession. An overwhelming number of visitors were briefed and toured through the Synthetic Flight Training System (SFTS) facility. Over 6,000 individuals received briefings and visited the SFTS facility during the past year.

During 1977, FSI participated in the acceptance testing of the CH-47FS and provided assistance in evaluating the fidelity of the AH-1FS in preparation for acceptance testing. FSI assumed operational control of the CH-47FS on 1 Sep 77, and training began in the CH-47FS on 7 Nov 77.

The Division continued to participate in the UH-60FS developmental efforts and attended progress reviews and design reviews. At the same time, the Division became actively involved in the AH-64FWS concept formulation studies.

Additional flight hour requirements were generated by the implementation of the 175/40 IERW Course. This required FSI to implement a six-day week, three-shift operation on 3 Oct 77. In conjunction with this, McDonald Douglas Corporation installed analysis equipment on device number four that will enable the prediction of aviator student's successful completion of flight school.

Throughout this period and in view of the increased workload, FSI remained productive and contributed tangibly to the USAAVNC institutional training mission.

CAREER TRAINING DIVISION

PERSONNEL: The following key personnel have been assigned to the division during 1977:

<u>Key Personnel</u>	<u>Position</u>	<u>Arrival Date</u>
LTC Robert S. Jones	Chief	July 1977
MAJ Edwin A. Williams	Op Off	June 1977
MAJ Robert Shryock	C, Cbt Skills Br	April 1977
MAJ Stephen Proctor	C, Comb Arms Br	July 1977
MAJ Marvin McGraw	C, Avn Subj Br	June 1977

During 1977, Flight Subjects Division was combined with Career Training Division to form Aviation Subjects Branch and Combat Skills Branch. Aviation Subjects Branch was responsible for the academic training of personnel attending the Initial Entry Rotary Wing (IERW) Course, all instructor pilot (IP) courses, and fixed wing courses. Under the reorganization, many military and civilian personnel were reassigned from the Aviation Subjects Branch to the Career Training Division. Combat Skills Branch, formerly the Tactics Branch, finalized and implemented the tactical annexes of seven COIs to include the 5/69 IERW course.

At the direction of the Deputy Commanding General, Fort Rucker, AL, a war game, modeled after the Dunn-kempf Battle Simulation war game, was formulated by the Combat Skills Branch. Model terrain boards, utilizing 1/285 scale models were fabricated/procured. Scenarios were developed emphasizing the High Threat European environment. Battle simulation was presented to Class 77-2 (Aviation Warrant Officer Advanced Course) and several test IERW classes. Battle simulation was adopted into the COI for both courses.

In order to move the Tactics Laboratory into a better suited, more permanent facility, plans were developed to move the Tac Lab from building 6010 to the newer facility, building 6022. The actual move occurred in November and December 1977.

The Strategy Branch was redesignated the Combined Arms Branch. To upgrade target identification, electronic warfare, and threat classes, the branch established a sole-use classroom which was uniquely decorated and outfitted with locally designed and fabricated Rasnick Boxes. These boxes, designed by CPT Joe Rasnick, allow students to both locate and identify targets under varying light conditions.

In support of the WOCD Advanced and Senior Courses, Management and Leadership Branch, formerly the General Military Subjects Branch, produced thirteen hours of color and black and white video tapes. The effective writing program was revised and rewritten. Organizational Effectiveness Training was incorporated into the courses, as well as English and reading diagnostic examinations. A sixty-hour seminar was started in the Senior Course with the objective to enhance professional knowledge in 85 MOS topics. The MOS Reference Library, in support of this seminar, has grown to approximately 1,860 linear inches of material. Approximately 60% of the reference material is on microfiche.

EXTENSION TRAINING MANAGEMENT BRANCH

During the 1st and 2d Quarter of CY 77, the Extension Training Management Branch (ETMB) received a monthly average of 350 requests for instructional materials from units located worldwide. This equated to an average of 80,000 material units processed monthly.

In February 1977, the Extension Training Management Branch was placed under operational control of the Department of Academic Training. At that time, the instructional material supply function of DOAT was consolidated with ETMD and the Division was responsible for supporting the resident academic students with materials as well as continuing their mission of worldwide support. This resulted in an increase of requests from 350 to 550

per month and an increase in the material units processed from 80,000 to 185,000 average per month. With the consolidation of the material in one location, a significant monetary savings in printing costs was realized. The Division established a material monitoring system, whereby a piece of instructional material would be monitored from the time it was developed until it was stocked on the shelves and issued to the students. As a result of the 250 requests monthly for revision, new material and reprints, not a single piece of material was lost in the development process. TRADOC approval of the transfer of ETMB to DOAT is anticipated in the first quarter of CY 78.

DEPARTMENT OF UNDERGRADUATE FLIGHT TRAINING

MISSION:

Conducts primary, instrument, and advanced rotary wing initial entry flight training for officers, warrant officer candidates, Air Force officers, and allied officers.

ORGANIZATION:

The Department of Undergraduate Flight Training (DUFT) is organized into the following elements:

- Headquarters
- Primary Flight Division
- Instrument Qualification Division
- Advanced Division
- Operations Division
- Quality Control Branch
- Administrative Branch
- Supply Branch

All initial entry rotary wing flight training was conducted by DUFT during the year. The Primary Flight Division was responsible for primary flight training, and the training was conducted by Doss Aviation, Inc., a civilian flight contractor. The Instrument Qualification Division conducted the instrument flight training with three branches for most of the year. Doss Aviation, Inc., began phasing into take over the instrument flight training program on 1 October. This resulted in a reorganization of the division, which now consists of a Flight Evaluation Branch and Training Analysis Branch. The Advanced Division initially conducted contact, tactical, nap-of-the-earth (NOE) flight training with six branches. The division was subsequently reorganized into five branches and added night qualification training.

PERSONNEL:

COL Joseph F. Rutkowski was the Department Director through the entire calendar year.

MAJ Walter L. Bragg was the Deputy Director from 1 January 1977 through 4 August 1977.

MAJ Carson G. Suber was the Deputy Director from 5 August 1977 through 31 December 1977.

MAJ Carson G. Suber was the Primary Flight Division Commander from 1 January 1977 through 4 August 1977.

MAJ John E. Watts was the Primary Flight Division Commander from 5 August 1977 through 31 December 1977.

MAJ Glenn D. Robnett was the Instrument Division Commander from 1 January 1977 through 22 June 1977.

LTC Luther L. French was the Instrument Division Commander from 23 June 1977 to 31 December 1977.

LTC Donald M. Frierson was the Advanced Division Commander from 1 January 1977 through 17 February 1977.

LTC Synda B. Allen was the Advanced Division Commander from 18 February 1977 through 7 August 1977.

MAJ Dale A. Kiel was the Advanced Division Acting Commander from 8-21 August 1977.

LTC Jimmy D. Weeks was the Advanced Division Commander from 22 August 1977 through 31 December 1977.

MAJ Clark E. Sando was the Operations Division Commander from 1 January 1977 through 31 December 1977.

The personnel turnover rate for 1977 was 73.3%. This was an increase of 33.5% from the preceding year. Authorized strength at the close of the year was as follows: Officers - 117; Warrant Officers - 177; Enlisted Personnel - 43; Department of the Army Civilians - 77; Total 414.

The department staff included 10 instructor pilots from the Republic of Germany, one Dutch officer, and one British exchange officer.

ACCOMPLISHMENTS:

In 1977, a total of 817 initial entry rotary wing students graduated and received the wings of an Army aviator. Included in the total are 55 Air Force officers, 44 EURO/NATO students, 49 other allied officers, and 11 female students.

In accomplishing this training, 181,607 hours were flown, and 23,966 hours were flown in the Synthetic Flight Training System (Device 2B24).

In addition to the regularly scheduled student training, the Synthetic Flight Training System (SFTS) was utilized for remedial training, instrument flight proficiency, and instrument flight renewal check rides.

Four training vehicles were utilized throughout the year: The TH-55 during primary training - 50.0 hours to be flown over 40 training days (8 weeks); UH-1 transition - 25 hours to be flown over 20 training days (4 weeks); UH-1 instrument flight - a total of 55 hours, with 35 hours in the SFTS and 20 hours in the UH-1 (8 weeks); Night qualification training - 20 hours to be flown over 20 training days (4 weeks); Combat skills UH-1 - the course consists of 60.0 hours to be flown over 40 training days; Combat skills OH-58 - 60.0 hours to be flown over 40 training days. Five hours of additional time in the Synthetic Flight Training System were accomplished during the combat skills stage.

The new initial entry rotary wing program, 175/40, began with Class 77-35/36 on 13 June. This program has 175 hours of helicopter flight time and 40 hours of synthetic flight training.

The first classes in the new program will be completed on the 1st of February 1978. DUFT furnished advice and assistance in the development of the course of instruction and flight training guides utilized throughout the program.

DUFT provided support for NOE training to the 450th AHC, 130th Avn Bn, during the period 14 Jan through 28 May. In addition, DUFT in conjunction with student training provided support for the 82d Airborne Division on 28-30 Jun. This same type of support was provided to B Co, 75th Rangers, 101st Airborne Division during the period 4-6 October.

The 1977 USMA Aviation Summer Training Program was conducted by DUFT from 11 July through 5 August. Primary Flight Division provided each cadet with a maximum of 15 flight hours in the TH-55 helicopter. Forty-five (45) USMA cadets received this training.

During the year the Department of Undergraduate Flight Training had a total of 17 incidents and eight accidents, with three injuries. The accident rate for 100,000 flying hours was 4.4 for the calendar year.

Doss Aviation, Inc., received a Bronze Plaque for a superior accident rate. Individual safety Certificates of Achievement were received by 128 flight instructors. Fourteen safety Certificates of Achievement were awarded to flight branches. Four instructor pilots received the Broken Wing Award for safely landing an aircraft without damage or injury after having experienced an in-flight emergency.

On 5 November 1977, an honors dinner ceremony was held at the Officers' Club. At the dinner Branch II, Advanced Division, was presented the Daedalian Army Aviation Flight Safety Award by Colonel Raymond Wellington, USAF, Director of Manpower and Organization, HQ, Air University, Maxwell AFB, AL. COL Wellington, representing the Order of the Daedalian, presented the award for accomplishing 18,481 hours of accident free flying. This is the second consecutive year that the award was won by Branch II.

DUFT had the responsibility for planning, coordinating, and conducting the 35th Army Aviation Birthday program for 1977. The celebration included guided tours, early bird reception, static aircraft displays, and the Army Aviation Hall of Fame induction ceremony.

DUFT completed tests utilizing night vision goggles, and training in their use was initiated on 18 Nov 77.

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, US Marine Corps, and allied countries including Israel, Canada, Germany, Great Britain, Australia, Burma, Iran, Norway, Denmark, and Japan. Briefings for the US military and US civilian agencies included US Military Academy personnel, TRADOC, Secretary of the Army R&D, Secretary of Defense Management and Budget, Department of the Army Warrant Officer Chief, NASA, and Reserve Component personnel.

DEPARTMENT OF GRADUATE FLIGHT TRAINING

MISSION:

Conducts all advanced rotary and fixed wing flight instruction presented at the US Army Aviation Center. Serves as contracting officer's representative for graduate flight training contracts.

ORGANIZATION:

The Department of Graduate Flight Training (DGFT) is organized as follows:

Headquarters
Operations Division
Contract Evaluation/Rotary Wing Instrument Division (CE/RWID) with the Contract Evaluation Branch and Rotary Wing Instrument Branch
Rotary Wing Division (RWD) with Cargo Branch, Utility Branch, and Attack Branch

PERSONNEL:

COL Ralph L. Westrich, Director, DGFT, October 1976 - present
MAJ John Shields replaced MAJ Larry Higgins as Chief, CE/RWID in July 1977.
CPT Richard Poucher assumed duties as Chief, CE/RWID, September 1977.
LTC Charles W. Abbey replaced MAJ Richard C. Gogolkiewicz as Chief, RWD in August 1977.
CW3(P) Robert Wright replaced CW4 Robert Filipowski as Safety Officer in April 1977.

ACCOMPLISHMENTS:

The reorganization of DGFT and the Department of Undergraduate Flight Training (DUFT) into the Department of Flight Training (DOFT) in December 1977 will have a major impact on the Rotary Wing Division and Contract Evaluation/Rotary Wing Instrument Division. Rotary Wing Division will become the Hanchey Division of DOFT, and CE/RWID will become part of the Cairns Division. Utility Branch of RWD will become part of the Lowe Division, DOFT. The reorganization provides for continuity and better command and control of assets.

Rotary Wing Division: The contractual transfer of the Rotary Wing Qualification Course from Utility Branch to Doss Aviation, Inc., in September was one of the most significant events during the year. The Cargo Branch implemented the use of the new 2B31, CH-47 Flight Simulator, in October. Attack Branch received a Certificate of Achievement for 10,000 hours of accident-free flying during 1977.

Contract Evaluation/Rotary Wing Instrument Division: The Rotary Wing Refresher Course was established in April to provide refresher training to those aviators returning to flight duties. All fixed wing training was contracted to Doss Aviation in August 1977.

The Department continued to support Tactical Training Exercises for visiting dignitaries, including BG Harrison, Deputy Commanding General, USAAVNC, and the Honorable Erwin Horn, Congressman, and member of the Armed Forces Defense Committee.

The Department conducted missions in support of Army, Navy, and Air Force installations, to include recovery of Navy fixed wing trainer aircraft, night paratroops in support of the 82d Airborne Division and C Company, 509th Infantry. Recurring static display missions were conducted at Maxwell AFB and Fort Benning, Georgia.

The Department provided Mobile Training Teams to conduct aviator qualification training in the CH-47 and AH-1S. The training encompassed both active Army units and Reserve components.

During 1977, the Department of Graduate Flight Training graduated 2,145 aviators from 26 courses of flight instruction, broken down as follows:

CH-47 Aviator Qualification Course (AQC)	137
CH-47 Instructor Pilot Course (IPC)/Methods of Instruction (MOI)	33
CH-54 IPC	8
AH-1G IPC	38
AH-1G AQC	310
Cobra/TOW AQC	214
UH-1 IPC/MOI	187
UH-1 Gunnery	10
Tac/NOE MOI	120
Fixed Wing Multi-Engine Qualification Course (FWMEQC)	112
U-8 IPC	13
U-21 IPC	14
OV-1 AQC	34
OV-1 IPC	10
UH-1 IPC	142
M-22 Gunnery	19
Rotary Wing Instrument Course (RWIC)	53
Rotary Wing Instrument Flight Examiner Course (RWIFEC)	136
Rotary Wing Qualification Course (RWQC)	111
OH-58 IPC/MOI	55
Instrument Methods of Instruction	19
OH-58 Aeroscout	18
Night Hawk/Night Vision Goggle MOI	87
T-42 IP MOI	2
Rotary Wing Aviator Refresher Training (RWART)	253
OH-6 IPC	10

In accomplishing this mission, DCFT flew a total of 52,547 flight hours. The Department experienced two accidents during 1977 for an accident rate of 3.8 percent.

Two individuals within the Department received Broken Wing Awards during 1977:

Mark E. Metzger from the Attack Br of the Rotary Wing Division
Mr. James R. Smith, contract employee with Doss Avn, Inc., working in the FWMEQC

Eighty-nine additional instructor pilots received individual Flight Safety Awards during 1977.

Five individual Unit Safety Awards were presented during 1977 as follows:

RWD for a 12-month accident-free period.
Attack Branch, RWD, for a 26-month accident-free period.
Cargo Branch, RWD, for a 30-month accident-free period.
Rotary Wing Instrument Branch, FWID, for a 28-month accident-free period.
Utility Branch, RWD, for a 12-month accident-free period.

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 Center instruction, and for the educational and professional development of Army aviation personnel. Serves as a repository for publications related to the history of Army aviation and to 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:

Ms. Lucile Durkin continued to serve as Chief Librarian throughout the year.

The Aviation Training Library was operated by a staff of eight civilians and one worker-trainee. In September the library lost one space through a reduction in force, and the worker-trainee was reassigned to a permanent position at USAADTA in December.

ACCOMPLISHMENTS:

The Aviation Training Library began in 1955 with a footlocker of FMs and TMs. By 1959 the collection had grown to about 5,000 items, mainly books and documents. Today the library has a collection of 199,990 items which is an increase of 9,931 from 1976. Included in this total are 29,042 books (valued at \$675,499); 7,460 periodicals in hardcopy or microfilm; 13,430 audio-visual materials; and 95,450 documents.

On 31 October 1977, the USAAVS Library was officially closed, and its collection of 1,210 books and approximately 5,000 documents was transferred to the Aviation Training Library.

Increasing interest in local history and the organization of the Fort Rucker Historical Society have been supported by the library in several ways:

Books concerning the early history of south Alabama, northwest Florida, and the Creek Indians have been purchased to form the Fort Rucker Historical Collection. Many of these books are reprints of editions prior to 1900 and are not available in any other local libraries.

The Library has the Army Flier and scattered issues of its predecessors dating back to 1942 on microfilm. An index is being prepared and currently covers 1942-1958 and 1976 to the present. This is a continuing project.

Local papers (Enterprise Ledger, Dothan Eagle, and Southern Star) are scanned for articles concerning Fort Rucker and Army aviation. These articles are clipped and organized into a subject file with index.

Instruction materials such as lesson plans, COIs, and programed texts have been organized as part of the reference collection. These materials have been indexed, and plans are being made to convert noncurrent items to microfiche.

All non-Army published literature has been reviewed during the year for appropriateness to the training mission and to maintain high library standards to meet accreditation requirements of the Southern Association of Colleges and Schools. Books and documents are weeded continuously to provide up-to-date editions for instruction and research. Army aviation papers, correspondence and reports on the development of Army aviation, and military aviation and military history items which are unique are placed in the Archives to avoid loss and to assist in historical research.

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 Training Literature Program (ATLP). Provides for staff and faculty development, Training Aid Services Office (TASO) services, training aids support, and education television. Prepares the US Army Aviation Digest. Serves as Program Director for training developments.

ORGANIZATION:

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

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

The Staff and Faculty Development Division was realigned from the Office of the Education Advisor in August 1977, in accordance with TRADOC message 262055Z May 77, subject: Elimination of Education Advisor Positions.

PERSONNEL:

Directors of Training Developments for 1977 were:

Colonel Colin D. Ciley, Jr.	1 Jan 77 - 30 Sep 77
LTC William K. Bedsole	1 Oct 77 - 27 Nov 77
Colonel Larry J. Baughman	28 Nov 77 - Present

Other key personnel assigned to the Directorate were:

Colonel Loren C. Strange as Deputy Director from 1 Jan 77 through 31 August 77.

Major Jeffrey H. Thomason was Executive Officer from 1 October 1977 through 4 November 1977.

LTC Newell A. Mock was Study Project Manager for the Dual Track Initial Entry Rotary Wing (IERW) Program until 21 June 1977.

LTC Benjamin B. Powell, Jr., was assigned Aircrew Training Manual (ATM) Program Manager from 1 January 1977 through 31 October 1977.

Major Paul V. Brennan assumed duties as ATM Coordinator on 1 November 1977.

LTC Robert M. Furney assumed duties on 1 November 1977 as Project Manager, Review of Education and Training of Officers (RETO) Study Group.

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

LTC William K. Bedsole assumed duties as Chief, Training Analysis and Design Division on 13 June 1977 from LTC Robert M. Furney.

MAJ Bobby F. Thomas assumed duties as Chief, Training Literature Division on 31 July 1977. His predecessor was LTC Walter D. Marshall.

LTC Theo S. Epperson was Chief, Course Development Division for the entire year.

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

Mr. Harry I. Sands, Jr., was designated as Chief, Staff and Faculty Development Division from 7 August 1977 through 3 December 1977. On 25 December 1977 Mr. William B. Wells was designated as Chief.

Authorized strength at the close of the year was as follows: Officers - 62; Warrant Officers - 2; Enlisted Personnel - 41; Department of the Army Civilians - 188; Total 293.

ACCOMPLISHMENTS:

In addition to the accomplishments of the subordinate activities, three major actions required support from several internal and external sources.

Review of Education and Training of Officers (RETO)

On 1 November 1977, Headquarters, Department of the Army, Special Study Group formed to study the entire Army education training program of officers, from precommissioning training through retirement. The Study Group was chaired by MG Benjamin Harrison. The Study Group tasked the Aviation Center as the proponent for advanced training of Aviation Specialty 15 commissioned officers to complete a job task analysis of every aviation position in the Army. This required an analysis of the duty position (by grade from lieutenant through colonel) and the identification of the knowledge needed by the individual to accomplish the job. After this was accomplished, it was required to identify the best means to provide the education to the individual either precommissioning training, military schooling, formal on-the-job training, extension training, self-study, on-the-job experience, etc. These data were prepared on worksheets, then converted to ADP keypunch sheets and forwarded to DA on 1 December 1977. Additionally, there were questionnaires which required answering and an analysis of what was required to be qualified in each grade as far as assignments, experience, etc. (This portion of the action was coordinated with MILPERCEN and the DA proponent, ODCSOPS.) And finally, how or by what means would the Aviation Center recommend maintenance of specialty qualification and currency with the current policy of shifting back and forth, between primary and secondary specialty assignments. The end result will identify common training requirements by grade and in the opinion of the proponents, the best location and method to accomplish the training. Approximately nine manmonths were expended on the effort to analyze the 2,500 positions.

Aircrew Training Manual

The Aircrew Training Manual Coordinating Group was organized in January 1977 with the mission to coordinate development of Aircrew Training Manuals (ATM) being written at five proponent TRADOC schools. Guidance was provided to components to standardize the ATMs through messages, and three coordination meetings were held at Fort Rucker. Initial draft manuals were reviewed by field units in May and June 1977. Review comments were incorporated during July and printing was done during the August/September period.

During a 1 July 1977 meeting, called by DA, the decision was made to implement the ATM program worldwide on 1 October 1977. All manuals were to be printed and placed in the mail to using units not later than 15 September 1977. Because implementation was accelerated

at the DA meeting, a briefing team was organized to brief field units on ATM implementation. The team was composed of members from proponent schools and visited major CONUS units, Europe, Alaska, Hawaii, Korea, and Japan during October and November 1977.

The trip developed needed impetus to start the program in field units and also provided valuable feedback for proponents that will be used in ATM revision.

Dual Track Initial Entry Rotary Wing (IERW) Program

During 1st and 2d quarters of FY 77, the Directorate of Training Developments operated a special coordinating office to oversee the implementation of the change in the Initial Entry Rotary Wing flight courses. This revised course of instruction eliminated considerable solo flight time in the basic training aircraft from the curriculum; replaced it with utility helicopter flight which allowed reduction of five flight hours from the total course; and added 20 additional hours of UH-1 flight simulator training. To prepare changes in written supporting documents, flight training guides, manipulation of course flow, and the addition of flight training in the observation helicopter to 25% of the initial entry students required a year to prepare and implement. LTC Newell Mock oversaw the progression of implementation, identifying voids and shortfalls, and insuring the transition to the new course moved appropriately toward implementation in May 1977.

The first annual DTD Organization Day was organized and held 3 August 1977.

PROGRAM MANAGEMENT OFFICE

MISSION:

Serves as program manager and point of contact for the status of all programs including assigned projects and operating programs. Acts for the Program Director on resource matters. Conducts review and analysis of training development activities. Formulates policies and procedures related to administrative functions within the directorate. Compiles, monitors, and evaluates the training developments portion of the TRADOC Management Information System (TRAMIS). Provides internal administrative and logistical services for the headquarters.

ACCOMPLISHMENTS:

Coordinated/developed resource packages to support program change proposals for six new or changed courses of instruction (Rotary Wing Aviator Refresher Training Course, AH-1S Aviator Qualification Course, OV-1 Aviator Qualification Course, Rotary Wing Qualification Course (US Army/FMT), Rotary Wing Qualification Course (USAF), and Night Hawk (NH)/Night Vision Goggle (NVG) AN/PVS5 Instructor Pilot Course). Developed documentation and obtained DA approval for 19 additional operational flying positions. Prepared and published a DTD TRADOC Management Information System (TRAMIS) User's Handbook which established the policy and procedures for the development, maintenance, and use of TRAMIS data. Developed required documentation for the purchase of equipment to actively establish the DTD Word Processing Center by 2d Ind, DAAG-AMS-W (8 Apr 77), 28 Jul 77, subject: Request for Approval to Acquire Class I Word Processing Equipment. Procurement action was initiated in August 1977, and installation completed in December 1977. Developed training developments requirements for the FY 80-84 Program Analysis and Resource Review to include the Total System Program Annex and DA Study Program Annex. Coordinated the DTD Internal Quarterly Review and Analysis presentations. Maintained the data for 1,011 on-going actions accounted for and recorded in the TRADOC Management Information System. Accomplished reprogramming actions to implement the Restructure of Program 8 and establishment of a separate Army Management Structure (AMS) code of training developments.

TRAINING ANALYSIS AND DESIGN DIVISION

MISSION:

Directs and coordinates the activities of subordinate elements. Advises the Director of Training Developments on matters pertaining to operation of the division. Plans and coordinates the development or revision of Courses of Instruction (COIs). Plans and coordinates the conduct of training developments studies. Acts on feedback data and learning/training assessments. Maintains master files on Instructional Systems Development (ISD) documentation developed for assigned products. Coordinates TRAMIS input for the division. Conducts review and analysis of division activities. Provides internal administrative services. Performs Phase I of the ISD process for proponent/responsible MOS in the preparation of Individual Training Plans (ITP), Collective Training Plan (CTP), Soldiers' Manuals (SMs), and Skill Qualification Tests (SQTs). Performs Phase I of the ISD process for officer, warrant officer, and enlisted COI and nonresident instruction. Conducts analysis of training requirements for major aircraft systems and subsystems. Participates in development of training tasks for developmental and operational testing of aviation systems/equipment/flight simulators. Participates in the development of plans for tests/studies of simulators and training devices, reviews testing and test/study results, and provides technological input. Develops material requirements documents (TDR, LR, LOA) for simulators and devices. Monitors training devices development through type classification. Monitors development of automatic training and checkride tapes for simulators and devices under development.

Performs Phase II of the ISD process for proponent individual training and evaluation actions. Develops Soldiers' Manuals, Commander's Manuals, Job Books, Skill Qualification Tests (SQT), and preliminary Individual Training Plans for proponent enlisted specialties. Reviews and approves institutional course written examinations and coordinates the typing and publishing of the examinations. Maintains record files of the examinations. Reviews quality control reports and other training effectiveness feedback data from Directorate of Evaluation and Standardization and other agencies to identify deficiencies in training programs; recommends or initiates correction action as appropriate. Reviews COI for inclusion of Evaluation Plan and Determination of Grade Weights. Develops Army Training and Evaluation Programs (ARTEP) for USAAVNC proponent units. Provides input to individual/collective training plans (ICTPs) in support of integrated technical documentation and training (ITDT) actions for proponent aviation systems. Designs and develops the US Army Aviation Annual Written Examinations and related materials. Provides input to cost and training effectiveness analysis (CTEA).

ORGANIZATION:

The Training Analysis and Design Division is composed of two branches:

- Training Analysis Branch
- Training Design Branch

ACCOMPLISHMENTS:

The Instructional Systems Development (ISD) process Phase I analysis was accomplished for MOSs 93H and 93J and the Initial Entry Rotary Wing (IERW) Aeroscout and AH-1 IERW track and common tasks.

The ISD process Phase II Design was completed on MOS 71P and the OH-58 Scout Track of the IERW Course.

Soldiers' Manuals were developed for MOSs 93H and 93J, and Commander's Manuals and Job Books were developed for MOSs 71P, 93H, and 93J.

Army Training and Evaluation Program (ARTEP) 1-825T, Combat Aviation Battalion (DRS), was completed in draft.

Skill Qualification Tests (SQT) were completed for MOSs 71P, 93H, and 93J, skills levels 1-3. Field validation of the 71P SQTs was done at Fort Campbell, KY; field validation of the 93H and 93J SQTs was done in Korea.

Aviation Annual Written Examinations for each mission type aircraft were developed and field validated at Fort Hood, TX. There was no Annual Writ administered Army-wide during 1977 pending the implementation of the six-examination concept.

Simulation actions were accomplished for proponent systems. Letter Requirements were completed for AAH part-task trainers, CH-47D part-task trainers, and AH-1 part-task trainers. The AAH simulator training device requirement (TDR) was completed. AH-1 Cobra flight simulator was installed at Fort Rucker. The CH-47 flight simulator acceptance testing was completed at Fort Rucker. Developmental Test (DT) II/Operational Test (OT) II was completed on the CH-47 flight simulator.

An AH-1FS and CH-47FS Economic Analysis was completed in August. DA will use the findings to brief Congress and OSD to obtain future funding for the simulators.

Work is continuing on the AH-1 Weapons Systems Training Effectiveness Analysis (WSTEA). Model selection was made in May by TRASANA. The results of the meeting at TRASANA during 2-4 August was approved by SAC I held at Fort Knox on 26 August. The Study Plan was approved by SAC. A progress review was held during November. The final report is projected for 20 March 1978.

An Army Research Institute "Team Operations" Survey was completed in August. The survey will be used to improve Army team-level training programs.

Training Circulars (TCs) were reviewed: TC 1-35, Qualification Training and Standardization (UH-1); TC 1-39, Qualification Training and Standardization (CH-47); TC 1-36, Qualification Training Standards (AH-1); and TC 1-7, Helicopter Aerial Defensive Tactics.

Additional training literature documents and evaluation plans reviewed or completed: FM 1-51, Rotary Wing Flight; training effectiveness evaluation, Helicopter Repair Course, 67N; armament munitions support training requirements (AH-1); SEEKVAL Combat Air Support Target Acquisition Program (USAF); MOS/SQT physical training program (USAIS).

Reviewed and approved 338 Institutional Course of Instruction Examinations. Accomplishment of missions workloads required attendance at 53 off-post conferences/meetings.

TRAINING LITERATURE DIVISION

MISSION:

Responsible for Army-Wide Training Literature Program (ATLP). Prepares and/or coordinates the preparation of proponent Field Manuals (FM), Training Circulars (TC), and Command and Agency-wide Training Literature for final camera-ready copy. Prepares and/or coordinates the preparation of proponent augmentation training publications. Responsible for final processing of ARTEPs, SMs, CMs, and JBs. Determines ATLP requirements for assigned categories of publications and manages program accomplishment. Reviews doctrinal, organization, and materiel documents to evaluate impact on training literature for which responsible. Maintains master file on publications for which responsible. Determines school Department of the Army Motion Picture/Television Production program (DAMP/TVPP); Department of the Army Graphic Training Aid Program, and related requirements; assigns production priorities, and manages program accomplishment. Prepares and/or coordinates the preparation of scripts in support of the school educational television and DAMP/TVPP film programs. Provides support for the Integrated Technical Documentation and Training (ITDT) Program. Reviews and/or coordinates school review of training support media prepared by other school/training activities. Coordinates the development of and reviews all aircrew training manuals. Researches, develops, coordinates, reviews, and prepares proponent aircrew training manuals.

ORGANIZATION:

The Training Literature Division is composed of three branches:

General Publications Branch
Doctrine/Standardization Publication Branch
Publications Production Branch

ACCOMPLISHMENTS:

Field Manuals (FMs) were forwarded to TRADOC for DA printing: FM 1-60, Airspace Management and Army Air Traffic in a Combat Zone, and FM 1-15, Aviation Reference Data.

Training Circulars were forwarded to TRADOC for DA printing: TC 1-27, Preparation of the UH-1C/M for Night Flight; TC 1-33, Preparation of the OH-6 for Night Flight; TC 1-34, Qualification Training in Army Aircraft; TC 1-37, Qualification Training and Standardization (OH-58); TC 1-88, Aviator's Recognition Manual; TC 1-32, Preparation of the TH-47 for Night Flight; TC 1-16, Employment of Aircraft Flares for Army Aircraft; TC 1-12, Cold Weather Flying Sense; TC 1-38, Qualification Training and Standardization (OH-6); TC 1-39, Qualification Training and Standardization (CH-47); TC 1-81, Aerial Observer Programed Text: Instructor's Guide; TC 1-82, Aerial Observer Programed Text: Visual Search; TC 1-35, Qualification Training and Standardization (UH-1); and TC 1-10, Mountain Flying Sense.

The Aviation Center was tasked to rewrite and produce FM 17-40, Helicopter Gunnery, a Fort Knox publication, in order to meet the overall TRADOC time schedule for major training publications.

A staff study on the "Four Manual Concept" for the Training Literature program was completed. The purpose of this study was to examine the desirability and feasibility of adopting a four-manual concept for each Army aviation system.

CPT Ronald Cox attended a two-phase Joint Attack Weapon System Tactics Development and Evaluation (JAWS-TDE) Conference at Fort Benning, Georgia, and Hunter-Liggett Military Reservation, California, from the period 12 Sep - 22 Nov 77. The objective of Phase I was to develop a concept of operations for the joint employment of the attack helicopter team and the A10 close air support aircraft.

Objectives of Phase II were to validate the tactics developed during Phase I and to determine the complimentary effects of Joint Employment of the A10 and the Attack Helicopter Team in combined arms operation. From these evaluations a TC 17-50-3 would be developed to discuss the tactics and techniques executed during the JAWS-TDE and the inherent flexibility of joint employment of tactical aircraft, attack helicopter teams, and other members of the combined arms team.

CPT Ronald Cox attended the Staff Planners' Course for the STINGER Weapons System in Pomona, California. The course covered planning and progress in the engineering development of the STINGER Weapon System and the system capabilities and limitations.

CPT Ronald Cox attended a Joint Threat Working Group Meeting hosted by TRADOC at the Foreign Science and Technology Center, Charlottesville, Virginia, on 12-14 July 1977. This meeting was to ascertain US ability to counter Soviet attack armed helicopter capability and develop a technical and tactical compendium of Soviet attack and armed helicopters including projections of future capabilities.

MAJ Brennan and Mr. Fearing traveled TDY (4 Oct - 20 Nov 77) to military commands within CONUS, USAREUR, and the Pacific to present formal briefings on the implementation of the Aircrew Training Manual program. The purpose of the ATMs is to improve training techniques and to develop a new approach toward aircrew and individual aviator training.

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 Courses of Instruction (COI), instructional management plans, lesson plans, flight training guides, and related instructional material for institutional and extension instruction to include self-teaching extension packages (STEPS), programed texts, the Army Correspondence Program, and TEC lessons. Coordinates and validates preparation of institutional and extension training material with Directorate of Training (subject matter experts), Directorate of Evaluation and Standardization, and Training Analysis and Design Division, Directorate of Training Developments. Updates and coordinates changes to institutional and extension courses based upon comments/feedback from students, other service schools, agencies, training centers, and other sources. Coordinates and prepares input to Integrated Technical Documentation and Training (ITDT) products. Participates in the development of ETV films. Provides input to Cost and Training Effectiveness Analysis (CTEA) for ITP. Prepares final ITP for which the Center is proponent. Maintains vault file of COIs. 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 division was restructured on 12 September 1977 with the Commanding General's conceptual approval previously given at a briefing on 12 August 1977. Extension and Institutional Branches were merged and realigned to provide a course/project management system. The division consists of the following elements:

- Course/Project Management Coordination Team
- Flight/Systems Subjects Teams
- Career Subjects Team
- General Aviation Subjects Team
- General Military Subjects Team
- Training Extension Course (TEC) Team

The structure provided for a single manager for each course or project for which the division is responsible.

ACCOMPLISHMENTS:

The division has accomplished its mission and participated in many related activities during the year. Personnel from the division were provided to participate in special studies such as Review of Education and Training of Officers (RETO). The TRADOC Educational Data Systems (TREDS) Section was transferred to the Army Training Support Center, Fort Eustis, Virginia, on 1 June 1977. In August Division Headquarters and Institutional Training Development Branch moved to building 8745 and 8746 to consolidate all elements of the division in a single location. In September information was furnished the Army Training Support Center to assist in attaining accreditation of the Army Correspondence Course Program. Major Roger S. Collins attended the EURO/NATO Symposium on Training Helicopter Pilots during the period 2-4 November in Bueckeburg, Germany. The division's production of instructional materials is displayed as follows:

	<u>New Development</u>	<u>Revised</u>	<u>Reviewed For Print</u>
Courses of Instruction	9	45	
Flight Training Guides	9	11	19
Lesson Plans	282	216	432
Programed Texts	3	111	43
Adjunctive Texts	2		
Extension Subcourses	23	9	
Training Extension Course (TEC) Lessons	11		
USAAVNC Pamphlet 310-7	1		
Style Manual for Aviation Subcourses	1		
USAAVNC Correspondence Course Catalog			1

The division participated in numerous projects such as the following: Thirty exportable Night Vision Goggle training packages were prepared and delivered to the field.

Day filters for Night Vision Goggle training were perfected and will be implemented in training this year.

Experimentation was initiated in classroom navigation training using map interpretation and terrain analysis with Night Vision Goggles. Experimentation with visual simulator operation using Night Vision Goggles was initiated.

The T-41 Phase of the Fixed Wing Multi-Engine Qualification Course was deleted, and the T-42 Phase was extended.

An unsolicited proposal from Flight Safety International to conduct C-12A Qualification and Refresher Training for Army aviators was evaluated, and a recommendation was made to TRADOC to enter into a contract for C-12A training. The UH-60 Black Hawk (Utility Tactical Transport Aircraft System) entered the training development stage.

Coordination was effected with PM-Black Hawk, TSM Black Hawk, Sikorsky, and General Electric, and the UH-60 Individual/Collective Training Plan (ICTP) was revised and updated.

The USAAVNC input to the Advanced Attack Helicopter (AAH/HELLFIRE) ICTP was prepared and forwarded to Fort Knox, Kentucky.

TRAINING SUPPORT DIVISION/TASO

ORGANIZATION:

The Training Support Division/TASO is composed of two branches:

Training Aids Branch
Educational Television Branch

The division headquarters has not been formally established due to resource limitations; therefore, the two branches function independently and report directly to the Director of Training Developments.

TRAINING AIDS BRANCH

MISSION:

The Training Aids Branch is a consolidated training aid/audio-visual support activity providing a single point of contact for coordination of training aid requirements and is responsible for a centralized multi-media consultation service, control and distribution of work requests, control of priorities, quality assurance, and responsive service. The Training Aids Branch provides training aids support for the United States Army Aviation Center, the Army Reserve, National Guard, and ROTC units assigned within the geographic support area. Supported units and activities use a wide variety of training aids, particularly 35mm slides, transparencies, 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.

ACCOMPLISHMENTS:

The Graphics Section produced high quality graphic items such as master art for 35mm slides, overhead transparency masters and copies, charts, black-and-white printing plant masters, embossed signs for academic instructor and class identification, and miscellaneous graphic services as required. During this period a total of 31,650 end items were fabricated.

The Devices Section fabricated outstanding training devices at a high level of production and quality. Noteworthy devices included: a TRADOC directed project to fabricate a scaled tank target range system for use with a sub-caliber weapon; redesign of ATC tower labs and configuration change to enhance student training; design and fabrication of Weapon Status Light System for tanks on firing lines; design and fabrication of APR-39 trainer; armor vehicle silhouette targets (full-size); MITAC II training packages for Germany; and scope mounts for Dragon trainers. During this period a total of 11,632 end items were fabricated.

The Photographic Laboratory processed an exceptional number of support items for a variety of users. The majority of items produced were for 35mm color slides, color prints, and black-and-white prints. During this period a total of 676,141 negative equivalents were fabricated.

The Supply Section (Audio-Visual Support) processed requests from all areas within the Fort Rucker TASO geographic support area. These requesters were provided many various pieces of audio-visual hardware with which to present their training message. This hardware includes 16mm projectors, 35mm projectors, overhead projectors, opaque projectors, Beseler "Que/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 126,380 items were processed.

EDUCATION TELEVISION BRANCH

MISSION:

Operates the USAAVNC educational television facility. Coordinates USAAVNC support requirements for production of Army aviation training films and video tapes. Prepares and evaluates studies relating to the use and adequacy of the closed-circuit television system. Responsible for planning, developing, and producing training films and television tapes. Prepares and publishes video tape catalog. Schedules daily video tape distribution programs. Establishes and monitors production priorities. Presents briefings, and attends conferences and professional meetings on development of training technology and innovations. Determines availability of existing tapes to meet training needs. Provides administrative and clerical support for the facility. Maintains master video tape program library. Directs and produces educational video tapes and category I training film programs for local, regional, and Army-wide distribution. Coordinates with the Training Literature Division on the preparation of scripts for the USAAVNC ETV and Department of the Army

Motion Picture/Television Production Program (DAMP/TVPP) programs. Reviews the USAAVNC training programs to insure technical accuracy of film and video tapes. Prepares the annual USAAVNC training film and educational television programs. Operates and maintains a color studio and mobile television production and playback equipment. Prepares engineering studies, writes technical specifications, and oversees the installation and test of new and replacement equipment. Performs dubbing of USAAVNC master ETV programs for transmission locally, at other service school ETV networks, and Reserve Components. Provides video tape programs to other service schools and to units Army-wide. Instructs users in the operation of video trainers. Prepares studies and makes recommendations on procurement of TV equipment. Presents briefings, conducts liaison, and attends conferences on technically related ETV audio-visual media. Evaluates TV productions to insure tapes meet established technical standards. Performs supply functions for the branch.

ACCOMPLISHMENTS:

Substantial progress was made toward completion of a major category I television tape project, the TRADOC/FORSCOM NOE Television Course. These productions will be distributed to 177 locations Army-wide.

The following NOE television tapes were completed:

Unit 2, "The High Threat Environment."

Part I: Soviet Combat Doctrine & Organizations

Part II: Soviet Surface-to-Air Missiles

Part III: Soviet Anti-Aircraft Weapons Systems

Part IV: Soviet Threat Aircraft

Unit 7, "Suppression of Enemy Air Defense Weapons"

Part I: Vulnerability, Available Weapons, and Planning

Part II: Suppression by Friendly Artillery

Part III: Suppression by TACAIR and Naval Gunfire

Unit 10, "Army Aviation in a Chemical and Nuclear Environment"

Part I: Chemical Detection, Defense, and Decontamination

Part II: Chemical Awareness

Part III: Nuclear Awareness

Part IV: Aspects of Survival

The TV tape production, "SPH-4: The Aviator's Protective Helmet," was completed in response to a request from the US Army Aeromedical Research Laboratory. Usage of this tape will enable USAARL to "stretch" instructional resources in meeting the demand for instruction in fitting and wearing the SPH-4.

"Aircrew Training Manual" was prepared as an Army-wide briefing on the subject manual. "Implementation of the Aircrew Training Manual" was produced for use at the Army Aviation Center.

Special requirement presentations were produced:

A documentary, "The Aliceville Project," depicted demolition and removal of an abandoned railroad bridge by Company B of Fort Rucker's 46th Engineer Battalion. Demolition of the bridge removed an obstruction to work on the Tennessee-Tombigbee Waterway.

The first in a series of Army Aviation Center special reports, "MITAC -- The Map Interpretation and Terrain Analysis Course," explained development and validation of MITAC as an innovative instructional methodology. This presentation was produced in cooperation with the Fort Rucker Field Unit, Army Research Institute.

When the TRADOC System Managers' Seminar on the Advanced Attack Helicopter was held at Fort Rucker, the ETV Branch recorded the proceedings on television tape. The proceedings will thus be available as needed for future references.

In addition to production of TRADOC Category I and other instructional television tapes, and of tapes to meet special requirements, several tapes were produced in response to requests from the Fort Rucker military community.

Observance of Easter Week and Christmas was highlighted by several programs completed during 1977. Observance of Easter Week was highlighted through a series of five programs produced in cooperation with the Army Aviation Center Chaplain.

In response to a request from the Army Aviation Center Chaplain's Office, the ETV Branch completed production of the television tape, "Christmas at Fort Rucker." The tape will be shown on the Fort Rucker closed circuit TV system.

STAFF AND FACULTY DEVELOPMENT DIVISION

MISSION:

Develops policies and procedures relating to the operation of the Staff and Faculty Development Program. Manages the Education Intern Training Program. Conducts Staff and Faculty Development Program courses to include academic instructor and training manager training, training supervisor, programmed and self-paced training, instructional systems development (ISD), and related courses. Develops and conducts other COI for specific training required in development of school staff and faculty including training in counseling techniques and suitable academic training for instructor pilots. Administers the USAAVNC program for accreditation by the Southern Association of Colleges and Schools.

ACCOMPLISHMENTS:

A revised COI was approved for the Instructor Training Course to provide for instruction in self-paced training management in addition to platform instruction.

A new COI was approved for the Faculty Development Workshop for Criterion Referenced Instruction. The program was implemented in February at the direction of TRADOC.

A COI Annex of thirty hours was developed on Fundamentals of Instruction for IPs. One trial class was successfully conducted in June. Implementation of USAAVNC Instructor Pilot COIs is being handled by Course Development Division, DTD.

Minor revisions in the COI for the Student Counseling Course was approved. Staff and faculty trained during the year included: Instructor Training Course - 188; Faculty Development Workshop - 76; Student Counseling Course - 40; Instructional Technology Workshop - 10 (since discontinued).

The annual report to the Southern Association of Colleges and Schools was prepared and submitted to maintain accreditation of USAAVNC.

USAAVNC Pamphlet 350-10 was revised, staffed, and submitted to AG for publication in November 1977.

An Education and Training Career Intern Program was implemented in July with two career interns assigned to the division.

UNITED STATES ARMY AVIATION DIGEST

MISSION:

Coordinates with USAAVNC activities, Department of the Army, 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 specified 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 1977, Braceland Brothers, Inc., which has its home office in Philadelphia, Pennsylvania, and a branch office in Atlanta, Georgia, lost the contract for printing the Aviation Digest to Pensacola Engraving Company, Pensacola, Florida. The April issue was the first under the new contract.

During the past year the Digest continued to average about 28,000 copies printed each month. The highest number printed in the last 12-month period was in January 1977 when 30,033 copies were printed.

The Digest is under pinpoint distribution handled at the DA level.

DIRECTORATE OF COMBAT DEVELOPMENTS

MISSION:

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

ORGANIZATION:

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

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

PERSONNEL:

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

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

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

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

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

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

Authorized strength is as follows:

Officers - 67; Enlisted - 7; and Civilians - 46; for a total of 120.

ACCOMPLISHMENTS:

A request for approval to secure the computer terminal was approved by HQ TRADOC. Modification to the building was completed in December 1977. Additional equipment is expected in January 1978. This will provide a capability to run classified models in support of the combat developments study program.

TEST AND EVALUATION OFFICE

ACCOMPLISHMENTS:

Prepared the following test/concept evaluation plans/reports:

AN/TRN-30 Navigational Beacon Set
Submunition Warhead, 2.75 Inch Rocket
H-47 Flight Simulator
AN/APR-39 (V) 1 (V) 2 Radio Warning Receiver
AN/ALQ-144 HOT BRICK

Airborne VOR/ILS System
Lightweight Doppler Navigation System
AH-1 Flight Simulator
AH-1 Improved Main Rotor Blade
Increased Night Flight Training
Beacon Location System
AN/ARN-123 (V) VOR/ILS Radio Receiver
LORAN Navigation System XM-130 Aircraft General Purpose Dispenser
Portable Landing Light System
Nap-of-the-Earth Navigation Capability of the Projected Map Display System
VHF-AM Radio, AN/ARC-115A

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

AN/ALQ-144 HOT BRICK
UH-1 High Performance Hoist
LORAN Navigation System
XM-29 Protective Mask
XM-130 Aircraft General Purpose Dispenser
VHF-AM Radio, AN/ARC-115A
Nap-of-the-Earth Navigation Capability of the Projected Map Display
Portable Landing Light System
HONEST II
AN/APR-39 (V) Radar Warning Receiver
2.75 Inch Submunition Warhead
VOR/ILS Radio Receiver, AN/ARN-123 (V)
Cold Fog Dissipator, AN/AMQ-27
Increased Night Flight System
Radio Beacon Set, AN/TRN-30 (V) 1 (V) 2
AH-1 Improved Main Rotor Blade
Lightweight Doppler Navigation System
Air Combat Engagement Tactics Development
Airborne VOR/ILS System
CH-47 Flight Simulator
AN/TRN-30 Navigational Beacon Set

Provided representatives for the following conferences/working groups:

Advanced Attack Helicopter, Phase II, Test Integration Working group
VOR/ILS Radio Receiver, AN/TRN () Contract Requirements Receiver Board
UH-60 Flight Simulator Conference
Integrated Avionics Control System Test Integration Working Group
2.75 Inch Smoke Warhead, Test Integration Working Group
AH-1S IR Suppressor Final Flight Test Meeting
2.75 Inch FFAR Smoke and Chaff Round Inprocess Review
XM-130 Dispenser Inprocess Review

Provided input for test plans prepared by other agencies:

Nap-of-the-Earth Communication Evaluation Positioning and Navigation System

CONCEPTS AND STUDIES DIVISION

ACCOMPLISHMENTS:

Proponent Studies:

The Aviation Requirements for the Combat Structure of the Army (ARCSA) III Study was approved by the Chief of Staff of the Army in February 1977. He directed that the study be updated annually, and a new study accomplished every three years.

The CH-47 Flight Simulator Cost and Training Effectiveness Analysis is scheduled for completion in early 1978.

The Nap-of-the-Earth Communications Study is on schedule and will be completed in 1978.

The AH-1 Flight and Weapons Simulator Cost and Training Effectiveness Analysis was transferred to the Directorate of Training Developments at their request.

The Aircraft Survivability Equipment Cost and Effectiveness Analysis was initiated in May 1977.

Provided Aviation Center input to the following actions accomplished by other agencies:

AH-1/ITV Force Cost Analysis Division Restructuring Study

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

CH-47C Self-Deployability to Europe
Position Locating and Reporting System
ABCA (America, Britain, Canada, Australia) Symposium
Systems Program Review Coordinating Meeting
Helicopter Interservice Working Party
Army Attack Helicopter Effectiveness Survivability Study Group
Army Tactical Commanders Weather Requirement Conference
Advanced Attack Helicopter Tactical Evaluation I
Advanced Attack Helicopter Test Planning Conference
TRADOC Topographic Coordinating Committee Meeting
Tactical Environmental Support System Study Meeting
ASCC(Air Space Coordinating Committee) Working Party 44 Preplanning Meeting
Eighth Quadruplicate Working Groups Meeting
Joint Helicopter Commonality Planning Group Meeting
Night Operations Concept Paper Meeting
Threat Scenario Workshop
Helicopter Air-to-Air Self Defense Meeting
Counteroffensive Scenario, Europe I
EURNOW Scenario
Air Ground Cavalry Study Mission Analysis Team Map Exercise
Project Blue Flag

Prepared staff studies and/or concept papers as follows:

Low Level Extraction of CH-47 Internal Loads
Army Aircraft Management in the Combat Zone

Army Aviation Employment Conference (AVNEC):

Due to the rescheduling of the Army Aviation Program Review (AAPR) and an apparent variance of opinion regarding aviation employment, CG, USAAVNC, proposed the employment conference to Commander, TRADOC, ltr dtd 18 July 1977. USAAVNC received permission to conduct this conference with the level of attendees downgraded to MG and below. A working group was established on 7 November 1977 to prepare for the conference.

ORGANIZATION DIVISION

ACCOMPLISHMENTS:

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

TOE 1-252 HHD, Combat Aviation Group revised to implement ARCSA III recommendations
TOE 1-256 HHC, Combat Aviation Battalion revised to implement ARCSA III recommendations

TOE 1-500 Aviation Operating Teams updated
TOE 1-127 and 1-137 revised to implement ARCSA III recommendations

Developed Proposed Manpower Authorization Criteria for the following:

Air Traffic Controller, MOS 93H and 93J

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

Landing Control Central
Lightweight Doppler Navigation Subsystem
Receiver-Transmitter Radio Set
Flight Coordination Central
Charger Battery
Aircraft Survivability Equipment

Provided representative(s) for the following conference/meetings:

Tactical Radio Analysis Division Restructuring, Phase II conference
TRADOC TOE Review Board
Aviation Battalion TOE/Division Restructure Test Meeting
TRADOC Organization Symposium
Battalion Phase Restructuring Test
101st Airborne Division Study Group

MATERIEL SYSTEMS DIVISION

ACCOMPLISHMENTS:

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

Aircraft Survivability Equipment
Integrated Aircrew Helmet
FLIR Augmented Cobra TOW Sight
Helicopter Mounted Laser Weapon System

Monitored developmental effort on the following equipment:

Helicopter Mounted Laser Weapon System
Integrated Aircrew Helmet
Improved Lighting System for Army Aircraft
Utility Tactical Transport Aircraft System
FLIR Augmented Cobra TOW Sight
Aviation Life Support Equipment
Illumination 2.75" Rocket Warhead
2.75" (70mm) Rocket Lightweight Launcher
Chaff Dispensing 2.75" Rocket Warhead
Target Acquisition and Designation System/Pilots Night Vision System
Improved MK66 (70mm) Rocket Motor
Mast Mounted Sight System
OH-58 Product Improvement Program
Smoke Screening 2.75" (70mm) Rocket Warhead
Multipurpose Submunition 2.75" Rocket Warhead
Mobile Electric Power Sources
Advanced Attack Helicopter
Attack Helicopter Stinger Airborne Self-Defense Subsystem
AH-1S Program
HELLFIRE

Terminally Guided 2.75" Rocket System
Nickel Cadmium Battery Charger/Analyzer
Dynamic Tracking and Balancing System
PRC-112 Survival Radio
Army Navigation Radio Receiver System, AN/ARN-123
MF/LF Non-Directional Beacon, AN/ARN-30(V)
National Microwave Landing System
Integrated Avionics Control System
Projected Map Display System
Aviation Tactical Maps
AN/TSW-7A Air Traffic Control Facility
AN/PVS-5 Night Vision Goggles
AN/TSQ-97 Manportable Visual Air Traffic Control Facility

DIRECTORATE OF EVALUATION AND STANDARDIZATION

MISSION:

Represents the USAAVNC as proponent agent for United States Army Aviation Standardization, and acts as an extension of the Office of the Deputy Chief of Staff for Operations, Department of the Army. Monitors and evaluates Army-wide implementation of the Aviation Standardization Program. Conducts separate independent evaluations of selected items, products, systems, and programs for which the USAAVNC is proponent. Conducts a total systems analysis, identifies problem areas in fielded systems and programs, and provides that information as input to the trainer, the training developer, and the combat developer for solution of the problems.

ORGANIZATION:

The Directorate of Evaluation and Standardization (DES) was provisionally reorganized in August 1977 for a six-month test period, at which time results will be analyzed for recommended changes to the TDA. The purpose of the reorganization is to strengthen top-level management controls, enhance accomplishment of the DA aviation standardization and TRADOC training effectiveness evaluation missions, and improve complementary support of the Flight Standardization Division and Evaluation Division. The directorate is provisionally organized into the following major elements:

- Office of the Director
- Administrative Branch
- Plans and Operations Team (Test)
- Standardization Literature Review Team (Test)
- Flight Standardization Division
- Evaluation Division

PERSONNEL:

Colonel Charles S. Wingate assumed the duty as Director on 6 July 1977. Colonel Wingate's predecessor was Colonel Clement A. Wyllie.

Lieutenant Colonel Marco Torres, Jr., assumed the duty as Deputy Director on 20 June 1977, replacing Lieutenant Colonel Sylvan D. Hoyem.

Lieutenant Colonel Patrick J. Kelly was assigned as Chief, Evaluation Division, throughout the year.

Major John G. Shields assumed the duty of Chief, Flight Standardization Division, on 30 November 1977, replacing Lieutenant Colonel Robert K. Wright.

Major Harry E. Potts assumed the duty of Chief, Administrative Branch, on 1 August 1977, replacing Major Tommy E. Pevey.

Major Columbus F. Primm assumed the duty of Chief, Plans and Operations Team (Test), on 22 August 1977.

Captain Grover W. Hudgins assumed the duty of Chief, Analysis Branch, on 5 January 1977.

Captain Patrick J. Ronan assumed the duty of Chief, Collection Branch, on 1 April 1977.

Mr. Harry F. Baldwin assumed the duty of Chief, Standardization Literature Review Team (Test), on 22 August 1977.

Chief Warrant Officer Michael J. Novosel assumed the duty of Aviation Safety Officer on 30 November 1977, replacing Chief Warrant Officer Lowell D. Johnson.

Lieutenant Colonel James L. Joyner was assigned to the directorate as National Guard Liaison Officer on 10 January 1977.

Major Rob S. Rich, Australian Army, was assigned to the directorate as Exchange Officer on 10 January 1977.

Authorized strength as of 31 December 1977 was as follows:

Officers - 20; Warrant Officers - 27; Enlisted Personnel - 9; Department of the Army civilians - 22; Total - 78. The number of persons actually assigned as of the close of the year was 71.

OFFICE OF THE DIRECTOR

The director serves as the principal staff assistant to the Commanding General, USAAVNC, and the Deputy Chief of Staff for Operations and Plans (DCSOPS), Department of the Army, in implementing the United States Army Aviation Flight Standardization and the TRADOC Aviation Training Effectiveness and Evaluation Programs; serves as a member of the installation Program Resource Advisory Committee (PRAC), and the Installation Planning Board; serves as program director for directorate funds and advises Department of the Army and appropriate Army commands on the status of the United States Army Aviation Flight Standardization Program, and develops and recommends changes to the general policy guidance.

The Office of the Director serves as central point of contact (POC) for both developmental and type classified Synthetic Flight Training Systems (SFTS); prepares standardization communication (STACOM) items for publication in the USAAVS Flight Fax; researches, develops, coordinates, reviews, and revises Army Regulation 95-1; maintains the TRADOC Management Information System (TRAMIS) for the directorate; develops program/budget submissions, formal budget review data, and monthly financial management reports.

ADMINISTRATIVE BRANCH

Provides internal administrative and supply services; advises the director on personnel and manpower matters; formulates policies and procedures related to administrative functions; coordinates internal management improvement, work simplifications, reports and forms control; prepares estimates of requirements for supplies for the operating budget; prepares, maintains, and updates personnel information rosters and strength reports; establishes and monitors publication accounts, coordinates requirements for, and issues regulations to all internal elements, and coordinates all areas of personnel management and administration.

PLANS AND OPERATIONS TEAM (TEST)

Coordinates worldwide aviation standardization evaluation and assistance visit schedules with Department of the Army and major Army commands; coordinates directorate support requirements for scheduled worldwide aviation standardization evaluation and assistance visits to include personnel, TDY orders, travel tickets, and reservations for accommodations; coordinates internal staffing actions and replies pertaining to the Army Aviation Standardization Program; monitors development of policies/procedures for the implementation and evaluation of aviation related training at USAAVNC; prepares and coordinates topics/subjects for presentation to the USAAVNC installation Aviation Standardization Board; maintains current status information on both worldwide and USAAVNC Aviation Standardization and Training Effectiveness evaluations; maintains current Course of Instruction examinations on file for use in Instructor Pilot (IP) equivalency evaluations; monitors travel funds expended; acts as coordinator for the Director, Aircrew Training Program; prepares briefings for the director; develops future and long-range support requirements for worldwide aviation standardization evaluation and assistance visits; develops and coordinates USAAVNC contingency plans.

STANDARDIZATION LITERATURE REVIEW TEAM (TEST)

Reviews USAAVNC proponent related publications to insure that aviation standardization, training principles, techniques, and procedures are incorporated in flight and academic instruction; reviews and evaluates for technical accuracy, content and standardization, non-proponent literature such as training manuals, training circulars, flight training guides, operator's manuals and checklists, and other doctrinal publications; reviews any modifications of flight procedures, standardized aircraft operating procedures, and other aviation related procedures; coordinates results of reviews of aviation related publications with other directorates, agencies, and activities to insure that the goals of the Army Aviation Standardization Program are met.

FLIGHT STANDARDIZATION DIVISION

Advises the Director of Evaluation and Standardization on matters pertaining to the United States Army Aviation Standardization Program; conducts aviation standardization evaluation/assistance visits to active Army, Army National Guard, and Army Reserve installations and commands worldwide; evaluates flight training standardization within USAAVNC; conducts detailed flight tests and evaluations of proposed and/or established flight training maneuvers to insure that maneuver analysis is thorough, complete, and adequate to the training environment; evaluates the effectiveness of individual, unit, resident, and non-resident flight training programs; provides assistance and recommendations for improved quality control and overall aviation training effectiveness; recommends general policy guidance for the Army Aviation Standardization Program; provides subject matter expertise on aviation standardization staffing actions; provides technical advice to the Aviation Digest on aviation standardization articles; provides responses to Standardization Communication (STACOM) topics and questions for publication in the USAAVS Flight Fax; develops topics/subjects for the Fort Rucker Installation Aviation Standardization Board; assists in the development of Synthetic Flight Training Systems (SFTS), and prepares results from field evaluations of type classified SFTS for submission to proponent agencies; monitors and prepares replies to inquiries concerning the Army Aviation Standardization Program; coordinates with appropriate agencies on flight techniques and operating procedures which affect Army aviation standardization publications.

EVALUATION DIVISION

The Evaluation Division is organized into two branches, Collection and Analysis. The Collection Branch collects data relating to individual proficiency in aviation duty positions and aviation unit performance in the field; compiles results of Skill Qualification Tests (SQT), Army Training and Evaluation Programs (ARTEP), and other evaluative surveys/tests as pertains to aviation, and provides results to appropriate agencies; distributes individual training plan input/feedback data to appropriate agencies; writes and administers evaluative tests, survey instruments, and questionnaires to be used in evaluating both individual and unit performance in the field (this is in addition to SQTs, ARTEPs, and Training Extension Courses (TEC)); conducts a graduate questionnaire program for placement and followup in accordance with Standard XII of the Commission on Occupational Education Institutions; collects data on the validity of systems engineered statements; collects statistical data on USAAVNC training; collects evaluative data through on-site visits to active Army and Reserve Component units, and training activities; monitors through on-site spot checks the administration of SQTs and ARTEPs; compiles statistics concerning the Army Aviation Flight Standardization Program; processes requests for USAAVNC equivalency and qualification orders for IPs/SIPs completing USAAVNC courses of instruction at field sites; maintains a master file on all Army IPs/SIPs; evaluates performance records of IPs/SIPs to determine requirements for evaluation IAW AR 95-63; computes class performance analysis upon completion of each stage of flight training; compiles attrition data for all courses by stage or phase of training; provides instructor and SIP performance analysis on request; collects results from the Aviation Annual Written Examination; evaluates selective academic classes; prepares, distributes, collects, and evaluates critique booklets for all USAAVNC courses; performs those functions specified in Phase V (Internal and

External Evaluations) of the Instructional Systems Development (ISD) model, TRADOC Pamphlet 350-30; briefs all incoming officer and warrant officer classes on end-of-course critiques; distributes end-of-course critique materials to officer, warrant officer, and enlisted students.

The Analysis Branch develops policies and procedures for evaluating and improving aviation training; designs analytical tests and experiments to determine effectiveness of proponent aviation training; analyzes the results of SQTs, ARTEPs, on-site visits, and overseas Commander's Reports to determine the effectiveness of resident and exported aviation training using Operation Research Systems Analysis (ORSA) techniques; analyzes results of tests, survey instruments, and questionnaires to be used in evaluating both aviation skilled individuals and aviation units performance in the field (this is in addition to SQTs and ARTEPs, TEC Lessons, and in-course examinations); conducts random sampling of comprehension checks and progress evaluations included in TEC and other aviation training support materials; provides evaluation and analysis results to Combat Developments and Training Developments; maintains liaison with education and training communities, military and civilian; analyzes results of five-year graduate followup program of USAAVNC graduates IAW Standard XII of the Commission on Occupational Educational Institutions; analyzes attrition data on all USAAVNC courses for input to the Commander's Progress Review and Service School Training Report; analyzes results of the Aviation Annual Written Examination; analyzes statistical data on USAAVNC training; establishes, in coordination with Management Information Systems Office (MISO), the data processing techniques for analysis of end-of-course critiques, graduate questionnaires, and academic and flight examination scores; performs those functions specified in Phase V (Internal and External Evaluation) of the ISD Model, TRADOC Pamphlet 350-30.

ACCOMPLISHMENTS:

Performed over 1,800 flight and academic evaluations at the US Army Aviation Center, participated in 44 aviation standardization evaluations, 24 assistance visits, 30 augmentation of MACOM visits, and conducted 10 aviation standardization seminars for units of Army Reserve Components of various states/regions.

Completed over 1,000 flight standardization evaluations worldwide (external to USAAVNC).

Assumed DA proponent responsibility for AR 95-64, in addition to maintaining proponent responsibility for AR 95-1 and AR 95-63. Direction was received from DCSOPS, Department of the Army, to combine AR 95-1, AR 95-63, and AR 95-64 into a single document. A final draft was completed in December 1977 and forwarded to major Army commands and agencies for staffing prior to submission to DA for approval.

Provided subject matter expertise for development and fielding support of Synthetic Flight Training Systems (SFTS) throughout the year. Four standardization instructor pilots (SIPs) were qualified in the C-12A aircraft at the Beech Aircraft Company in Wichita, Kansas.

Conducted a special study to provide an analysis of the causes for Warrant Officer Candidate (WOC) self-initiated eliminations (resignations) from the Initial Entry Rotary Wing Aviator (IERW) Program.

An evaluation of the effectiveness of aerodynamic instruction in the U-21 Instructor Pilot Course was conducted as a result of unsatisfactory performance of graduates in the field.

When attrition in the Flight Operations Coordinator Course (MOS 71P40) exceeded acceptable levels, a study was initiated to determine the cause. The primary reason for increased attrition was determined to be the low-reading skill level of students.

Practical exercises in Survival, Evasion, Resistance, and Escape (SERE) training were deleted from the Initial Entry Rotary Wing Aviation Course; therefore, an evaluation is being conducted to determine if training objectives are still being met.

An evaluation of the effectiveness of TOW Cobra training, retention of skills, and whether appropriate skills were being taught at the USAAVNC was also conducted, and the results were forwarded to the appropriate agencies.

Participated as observer in exercise Red Flag 77-6, a joint Army-Air Force exercise conducted in the desert near Nellis AFB, Nevada, and Fort Irwin, California.

Evaluated the impact of Aircrew Training Manual (ATM) Program implementation at Fort Hood, Texas. Additionally, a TRADOC evaluation plan was developed to provide for the evaluation of the effectiveness of the ATM Program Army-wide during FY 78.

Feedback from the field on the low performance level of enlisted graduates resulted in evaluations of both UH-1 and OH-58 Helicopter Repair Courses (67N and 67V) to determine if graduates possessed the skills necessary to perform tasks contained in the Preventive Maintenance Services Daily Inspection.

Provided an opportunity for all classes to critique training received at the USAAVNC and followed up with graduate questionnaires to graduates of MOS producing courses and their supervisors. Graduates of the Aviation Commander's Readiness Course were also provided graduate questionnaires.

An analysis of critiques from the AH-1 Aviator Qualification Course was made to determine both favorable and unfavorable trends, and the findings were submitted to the Director of Training.

Attrition data for each quarter was compiled and presented to the Commanding General during the quarterly Command Performance Summary.

A representative of the directorate served on the Training Extension Course review board during the calendar year.

The director and other DES personnel attended the TRADOC, FORSCOM, and CONUS Army's Aviation Standardization Board Conferences during CY 1977. In addition, Colonel Wingate and two DES members attended/conducted the DA Aviation Standardization Policy Board meeting held at Washington, DC, in September. DES provided the action officer, CPT Jeffery C. Hovious, who coordinated required actions for the successful accomplishment of the meeting, to include drafting the after action report and recommended policy changes.

During the latter part of the year, the philosophy for conducting aviation standardization evaluations was changed through guidance from the DCDR and CG, USAAVNC. The revised concept calls for DES SIPs to assist the major Army commands in conducting inspections of their command aviation program. This concept was first implemented during the aviation evaluation/assistance visit to Korea in Oct/Nov. This change in philosophy has significantly enhanced the major Army Command's ability to conduct a thorough and unbiased inspection of their Aviation Program.

Calendar Year 1977 was an accident-free year for the Directorate of Evaluation and Standardization.



**US ARMY AVIATION BOARD
HEADQUARTERS**

**US ARMY AIRCRAFT DEVELOPMENT TEST
ACTIVITY HEADQUARTERS**

UNITED STATES ARMY AVIATION BOARD

MISSION:

Plans, conducts, and reports on Operational Test I (OT I), Operational Test II (OT II), Operational Test IIA (OT IIA), Follow-On Evaluations (FOE), and other user type tests of aviation systems and ancillary equipment.

Participates in Development Test I (DT I); Development Test II (DT II) (engineering phase), and Development Test IIA (DT IIA), as directed.

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

Conducts other tests and evaluations as directed by Headquarters, TRADOC.

ORGANIZATION:

The USAAVNBD consists of the President's Office, Headquarters Company, and five primary operating divisions—

Administrative Support Division

Test Concept and Operations Division

Electronic Systems Test Division

Resource Management Division

Aircraft Systems Test Division

PERSONNEL:

Year end authorized personnel strengths were 112 military and civilian personnel. Key personnel assigned during the year were:

President:	Colonel Robert A. Bonifacio	JAN-DEC
Technical Advisor:	Mr. George Slagley	JAN-DEC
Sergeant Major:	SGM Jack W. Lisenby	JAN-DEC
Executive Officer:	MAJ David Mabardy LTC Gregory J. Schrand	JAN-AUG AUG-DEC
C, Admin/Spt Div:	Mrs. Madge E. Frigo LTC Gregory J. Schrand LTC Conrad Chesser	JAN-APR APR-JUN JUN-DEC
C, TC&O Div:	LTC Gary W. Munroe, Sr.	JAN-DEC
C, Test Operations Br:	MAJ Kenneth Landon	JAN-DEC
Act C, C&M Br:	Dr. James Dees	JAN-SEP
C, C&M Br:	MAJ Michael Hannan LTC Bill Ross	SEP-OCT OCT-DEC

Act C, Test Spt Br:	Mr. Horace Riley	JAN-JUL
C, Test Spt Br:	MAJ John Patterson	JUL-DEC
1st SGT, HDQ Co:	SFC Royce L. Burns	JAN-JUL
Cdr, Headquarters Co:	MAJ John Patterson	JUL-DEC
C, Elct Sys Test Div:	LTC Louis H. Jacquay	JAN-DEC
C, Elct Sys Test Br:	MAJ Walter B. Miller	JUN-DEC
C, Elct Main Test/Inst Br:	CW3 T. P. Nietzold MAJ Michael Brittingham	JAN-JUL JUL-DEC
C, Res Mgt Div:	Mrs. Madge E. Frigo	APR-DEC
C, Acft Sys Test Div:	LTC Charley B. Davis LTC Hugh Rhodes	DEC-AUG AUG-DEC
C, Utility/Cargo Br:	MAJ Graham A. Smith	JAN-DEC
C, Scout/Attack Br:	MAJ Jesse W. Glance MAJ R. A. Neuwien	JAN-SEP SEP-DEC
C, Threat/Tactics Eval Br:	MAJ Jesse W. Glance	SEP-DEC

ACCOMPLISHMENTS:

During 1977, the Aviation Board completed the following 13 operational tests and participated in the planning, testing, and reporting phases on 35 programmed tests:

Agility Test of OH-58C and UH-1H

TRADOC TRMS No: 2-C4-000029-07

Agility Test of OH-58C vs UH-1H

Start: 20 Dec 76; End: 23 Dec 76

The purpose of this test was to subjectively assess the maneuverability, agility, and aural detectability of the OH-58C and the UH-1H during execution of selected scout flight profiles. A letter was submitted on 14 January 1977. An additional combined DT/OT letter report was submitted to Headquarters, Department of the Army, on 13 January 1977.

AH-1 Low Glare Canopy

TRADOC TRMS No: 4-C4-7-OTN440-04

Operational Test (Other), AH-1 Low Glare Canopy

Start: 23 Nov 76; End: 2 Dec 76

The purpose of this test was to evaluate the operational utility and suitability of the improved AH-1 Low Glare Canopy. Testing evaluated the effects of day and night weapons firing, the crewmember's ability to conduct day and night flight operations to include Nap-of-the-Earth (NOE) flight, and the aircraft's acoustics at varied speeds ranging from hover through velocity never exceeded (VNE).

Indications of analyzed data are that the AH-1 Low Glare Canopy: (1) provided fewer solar glint signatures than the standard AH-1 canopy; (2) provided comparable visibility to the standard AH-1 canopy during weapons firing; (3) exhibited increased cockpit glare and reflections from external light sources during night operations as compared to the standard canopy; and (4) exhibited acceptable qualities of operational suitability and utility. A test report was submitted on 19 January 1977.

Improved Main Rotor Blade (IMRB)

TRADOC TRMS No: 4-C4-7-OTN209-04

Operational Test II (OT II), Improved Main Rotor Blade for AH-1S

Start: 22 Nov 76; End: 13 Dec 76

The purpose of this test was to assess the mission performance, maintainability, logistical support, and weapons subsystem compatibility of the IMRB as opposed to the present B540 rotor blade. A letter report was submitted 9 February 1977.

TOW GACP/TMSVCS

TRADOC TRMS No: 4-C4-7-000005-04

Operational Test (Other) (Training), TOW Missile Sight Video Camera System (TMSVCS) and Gunnery Accuracy Control Panel (GACP) as a Cobra/TOW In-Flight Gunnery Training Device.

Start: 12 Oct 76; End: 22 Feb 77

This test was a training evaluation that will provide data to determine the most effective Cobra/TOW In-Flight Gunnery Training Device, GACP or TMSVCS. Test report was submitted 26 April 1977.

Radio Beacon Set AN/TRN-30 (V1) (V2)

TRADOC TRMS No: 6-A5-T-OTN414-05

Operational Test III (OT III), Radio Beacon Set AN/TRN-30

Start: 1 Dec 76; End: 21 Jan 77

The purpose of this test was to assess the adequacy of corrective actions taken as a result of the engineering and expanded service Developmental Tests II and III. Three manportable (pathfinder) configurations (V1) and one tactical semifixed configuration (V2) were tested in a simulated tactical environment utilizing the Pathfinder Teams and aircraft available at Ft. Rucker, Alabama. The test report was distributed on 3 May 1977.

Initial conclusions indicate that the AN/TRN-30 demonstrated the ability to be an effective tactical navigation aid; can be maintained by personnel trained with a new equipment training program that is short, concise, and responsive to local time and equipment conditions; and supports current tactics and doctrine. OT III also revealed that the manportable configurations failed to meet the reliability, availability, and maintainability (RAM) criteria; both configurations lacked the durability required for tactical use; and a significant number of deficiencies reported during Engineering Tests, Engineering Service Test, and DT III remain uncorrected. Additional deficiencies and shortcomings were discovered during OT III.

2.75 inch Multi-Purpose Submunition Warhead (MPSW)

TRADOC TRMS No: 2-C77-OTN290-04

Independent Evaluation, Multi-Purpose Submunition Warhead

Start: 21 Feb 77; End: 1 May 77

The purpose of the evaluation was to determine the effectiveness of the MPSW with respect to accuracy of delivery of basic round, dispersal of the submunitions, damage capability against personnel, materiel and light armor, remote fuzing capability and engagement of targets out of the line of sight. Findings are based on observations on DT I only. The warhead was fired from the AH-1 at Yuma Proving Ground, AZ, the week of 14 March 1977. The Aviation Board input will be provided to the Directorate of Combat Developments for inclusion in the Independent Evaluation.

Improved Main Rotor Blade for AH-1 Cobra (IMRB)

TRADOC TRMS No: 2-C4-7-OT209A-04

Start: 1 Apr 77; End: 2 Jun 77

Operational Test (OT III), Improved Main Rotor Blade for AH-1 Cobra

Initial data analysis indicated that IMRB (Kaman K-747) presents no operational change in radar signature; external noise emission of the new blade is not operationally significant; training manuals are adequate with changes; the current logistics system will support the new blade; and performance standards achieved during the OT II at Nap-of-the-Earth (NOE) flight are retained in the IMRB after damage/repair operations. Test report was submitted 29 July 1977.

AN/ALQ-144 Countermeasures Set

TRADOC TRMS No: 2-F6-7-OTN261-04

Operational Test II (OT II), IR Countermeasures Set for AH-1, UH-1, OH-58

Start: 1 Mar 77; End: 31 Jul 77

The purpose of this test was to determine if the system possessed the capability to jam infrared (IR) directed threats to US Army helicopters. Test report was submitted on 30 September 1977.

The AN/ALQ-144 met criterion for safety, human factors, training, tactics and doctrine, reliability, and availability. The AN/ALQ-144 was found unsatisfactory in the area of maintainability, since it did not meet the criteria for mean time to repair or maximum time to repair. Built-In Test Equipment (BITE) indications were unreliable, and control unit lighting was too bright for use with night vision goggles.

Increased Night Flight Training Time

TRADOC TRMS No: 7-J7-7-CEPO84-08

Concept Evaluation Program, Increased Night Flight Training Time

Start: 13 Jun 77; End: 17 Jun 77

The purpose of this concept evaluation was to determine the feasibility of using a helicopter-mounted 1.0 kw light system to increase ambient light levels during the conduct of AN/PVS-5, Night Vision Goggle Training (NVG). Test results indicated that the 1.0 kw light provides a relatively uniform light pattern which may be suitable for NVG training. NVG pilot comments indicated that a hazard from excess ambient light levels does exist from helicopter-mounted light systems. Results of light operator ratings indicated that the 1.0 kw light system is superior from a crewmember point of view. A letter report was submitted on 1 August 1977.

Tactical Instrument Steep Approach and Landing System (TISAL)

TRADOC TRMS No: 4-G5-7-CEP014-08

Concept Evaluation Program, Tactical Instrument Steep Approach and Landing System (TISAL)

Start: 17 Dec 76; End: 19 May 77

This evaluation involved the use of a Tactical Instrument Steep Approach and Landing System in a UH-1H test bed aircraft to determine the system's operational potential as a steep angle decelerated approach and landing system. Test subject aviators demonstrated an overall 89 percent success rate while flying the flight director cockpit arrangement. Approaches were flown using approach angles of 6, 9, and 12 degrees, and terminated at a hover. Test report was submitted on 1 August 1977.

CH-47C Helicopter Operational Flight Simulator

TRADOC TRMS No: 2-E6-7-OTN137-04

Operational Test II (OT II), CH-47 Synthetic Flight Training System (2B31)

Start: 17 Jan 77; End: 8 Aug 77

The purpose of this test was to evaluate the training potential of the 2B31, CH47FS. Transfer of training from the CH47FS to the CH-47 helicopter was evaluated during the examination of transition training using DA-programed students from Aviator Qualification Courses (AQC) 77-5 through 77-10. Combat readiness training testing was done using FORSCOM instructor pilots and aviators. Test report was submitted 31 October 1977.

Test results indicate that the test item is a high fidelity flight simulator and is effective as a training device. A cumulative training effectiveness ratio (CTER) of 0.72 was calculated for the institutional training program.

XM-130 Aircraft General Purpose Dispenser (Chaff/Flare)

TRADOC TRMS No: 2-G6-7-OTN257-04

Operational Test II (OT II), XM-130 Aircraft General Purpose Dispenser (Chaff/Flare)

Start: 7 Mar 77; End: 7 Sep 77

The purpose of this test was to determine if the XM-130 Dispenser System possesses the capability to provide reliable and timely decoy of IR-directed threats to CH-47 aircraft and decoy of radar threats to UH-1 aircraft.

The XM-130 mounted on UH-1H helicopter was tested with chaff vs. threat weapons during the period 7-21 March 1977 at Ft. Bliss, TX. Testing of the XM-130 mounted on the CH-47 helicopter was completed at White Sands Missile Range, NM, during the period 25 April-27 May 1977. RAM data collection on the CH-47 was completed on 7 September 1977. All criteria were considered met with the minor exceptions of compatibility, repair parts, maintenance test support package, test equipment, and modification work order. All critical issues were answered in the affirmative. Test report was submitted 31 October 1977.

Radar Warning Receiver, AN/APR-39(V)1

TRADOC TRMS No: 4-A7-OTN263-04

Operational Test III (OT III), Radar Warning Receiver, AN/APR-39(V)1

Start: 14 Feb 77; End: 1 Mar 78

The purpose of this test was to assess the operational suitability and effectiveness of the AN/APR-39(V)1 Radar Warning Receiver to provide reliable and timely warning of radar-directed threats to Army aircraft in an operational environment. The AN/APR-39(V)1 was tested against a threat weapons system during the periods 7-21 March and 17-20 July 1977 at Ft. Bliss, TX. Effectiveness testing against multiple threat radar simulators was conducted 18 April-7 June 1977 at Eglin Air Force Base, FL. The Aviation Board was assisted at Ft. Bliss by the TRADOC Air Defense Board.

The test report of results of OH-58, UH-1, and AH-1 testing with the AN/APR-39(V)1 was submitted on 31 October 1977. Additional testing, to include the CH-47 installation, will be resumed after 1 January 1978 and should be completed by 1 March 1978. An addendum test report of CH-47 findings will be submitted by 15 April 1978.

TRAINING HIGHLIGHTS:

Seven Aviation Board personnel successfully completed training in the Army Logistics Management Center (ALMC), Test and Evaluation Management Course, held at Ft. Lee, VA, 28 Mar-8 Apr 1977.

Two Aviation Board personnel attended the 3d Annual Reliability Testing Institute held 25-29 April at the University of Arizona, Tucson, AZ. The purpose of this conference was to gain the latest concepts in reliability testing techniques.

Two Aviation Board personnel successfully completed training in the Operations Research/Systems Analysis Course held at Fort Lee, VA, 20 August - 20 November 1977.

One Aviation Board employee successfully completed the Basic Supervisory Course held at Fort Rucker, AL, 31 October - 11 November 1977.

Three Aviation Board personnel successfully completed training in the TRADOC RAM 77-2 Course held at Fort Lee, VA, 8-26 August 1977 and 17 October - 4 November 1977.

Two Aviation Board personnel successfully completed training in the TRADOC User Testing Course at Fort Lee, VA, 9-13 May 1977.

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

- Commander, US Army Aviation Center
- TRADOC Liaison Officer to OTEA
- British Army Staff, Washington, DC
- Bell Helicopter Div, Textron Industries
- US Army Aeromedical Research Lab, Ft. Rucker, AL
- PM COBRA, USAASC, St. Louis, MO
- Director, TRADOC Combined Arms Test Directorate
- HQ, Canadian National Defense
- HQ, US Armor Center
- HQ, US Army Intelligence Center
- Dept. of Army IG General Insp.

Cdr, USA Agency for Aviation Safety

TECOM IG

Project Manager's Office, NAVCOM

Canadian Forces Attache

Canadian Defense Liaison Staff, Washington, DC

Aviation Development Manager, DARCOM

DA, DCSRADA

DA, DCSOPS

PM-ASE, AVSCOM

DCG, TRADOC

TRADOC HQ Liaison Officer to the Federal Republic of Germany

GENERAL COMMENTS:

Personnel turbulence has been a concern to mission accomplishment and operations continuity since activation 1 July 1976. Personnel turnovers included five military, five civilians, and ten temporary hires during this first year. Current operational strength includes one clerk typist overhire and seven student assistants.

An optimum TDA for an aviation operational test board continues to be studied. Included in the analysis are considerations of the workload and skills required to accomplish the Resource Management functions of budgeting, fund control, and reporting; manpower management; and the TRMS/TRCAS Management Information System for the USAAVNBD. The projected test workload was also included as a viable part of the study. A proposed TDA change was submitted to TRADOC, 1 July 1977 and approved. The new approved TDA will be implemented 1 January 1978, which will enable the USAAVNBD to more effectively accomplish the mission.

A Reliability, Availability, and Maintainability (RAM) cell is in the planning stages to better enable the Aviation Board to accomplish RAM testing functions. This RAM cell should be operational by mid-January 1978.

The co-location evaluation period ended will be 1 October 1977. A final report from the combined DARCOM/TRADOC study group analyzing all parameters is due to the Department of the Army in January 1978.

Several tests scheduled to begin during calendar year 1977 were delayed because the development community did not meet milestone schedules or provide the necessary support packages in a timely manner.



US ARMY AVIATION BOARD



FORT RUCKER, ALABAMA 36362
 BUILDING 30501 CAIRNS AAF
 TEL: AREA CODE 205
 COMMERCIAL: 255-XXXX
 AUTOVON: 558-XXXX
 TELECOPIER:

ORGANIZATIONAL DIRECTORY
 16 November 1977
 PREPARED BY:
 ADMIN SPT DIVISION

PRESIDENT
 ATZQ-OT

COLONEL ROBERT A. BONIFACIO 2179/1

EXECUTIVE OFFICER LTC SCHRAND 2179/3
 ACFT MAINT SGT/EVAL SGM LISENEY 5402/23
 TECH ADVISOR G. SLAGLEY 6017/20 (1)
 6017/5 (2)
 SECY STENO A. CASKEY 2179/3

HEADQUARTERS COMPANY
 ATZQ-OT-H

COMMANDER MAJ PATTERSON 3803
 ISG SFC BURNS 3803
 UNIT CLERK PVT GONZALEZ 3803
 CLERK TYPIST SP4 DUALE 3803

ADMINISTRATIVE SUPPORT DIVISION
 ATZQ-OT-S

CHIEF LTC CRESSER 3479/21 (1)
 CLERK STENO P. LEWIS 3479/0

TEST CONCEPT AND OPERATIONS DIVISION
 ATZQ-OT-C

CHIEF LTC MUNROE 6578/4 (1)
 CLERK STENO B. LAM 6578/5 (1)

ELECTRONIC SYSTEMS TEST DIVISION
 ATZQ-OT-E

CHIEF LTC JACQUAY 3683/6 (2)
 CLERK STENO J. DOTSON 3683/6 (2)

AIRCRAFT SYSTEMS TEST DIVISION
 ATZQ-OT-A

CHIEF LTC RHODES 6081/25 (2)
 CLERK STENO C. FUDGE 6081/24 (2)

ADMIN BRANCH
 ATZQ-OT-SM

CHIEF ADMIN CLERK SFC FLINNER 3479/0 (1)
 SCTY COM SP
 FILE CLERK
 COMPUTER SPEC N. LOCKLAR 3479/24 (1)
 COMPUTER SPEC E. JOHNSON 3479/24 (1)
 TECH PUB-WRITER J. GLOWACZ 3803
 CLERK-TYPIST J. SNELLGROVE 3803
 CLERK-TYPIST D. WILLIS 3803

TEST OPERATIONS BRANCH
 ATZQ-OT-CO

SR TEST OPNS OFF MAJ LANDON 6578
 TEST OPNS COORD CPT CAREY 6578/28 (1)
 TEST OPNS COORD CPT FOCHE 6578/28 (1)
 TEST OPNS COORD
 OP MCO SGT HAWKINS 6578/28 (1)
 SILENT MOPIC PHOTO J. T. NELSON 5903
 PHOTO (MOTION PIC) W. JACOBS 5903
 ILLUS (TECH EQUIP) L. RICKMAN 5903
 PHOTO

ELECTRONIC SYSTEMS TEST BRANCH
 ATZQ-OT-E

SR TEST PROJ OFF MAJ MILLER 4677/8 (2)
 TEST PROJ OFF CPT MCGEE 4278/9 (2)
 TEST PROJ OFF CPT GOFF 4677/9 (2)
 TEST PROJ OFF CPT MERKEL 4677/8 (2)
 TEST PROJ OFF
 TEST PROJ OFF
 EQUIP SPEC (ELECT) R. BIRINGER 4677/0 (0)

UTILITY/CARGO BRANCH
 ATZQ-OT-AU

SR TEST PROJ OFF MAJ SMITH 2375/20 (2)
 TEST PROJ OFF CPT JONES 2682/29 (2)
 TEST PROJ OFF
 TEST PROJ OFF MAJ DICKENS 2882/29 (2)
 TEST PROJ OFF
 TEST PROJ OFF CPT MCGAUGH 2882/29 (2)
 ACFT MAINT EVAL MAJ GORDON 2882/29 (2)
 ACFT MAINT TECH/EVAL CW2 DIZE 2882/29 (2)
 ACFT MAINT SGT/EVAL SFC VARNEY 2882/29 (2)
 CHIEF HEL TECH INSP SFC BLANTENO 2882/29 (2)
 FW TECH INSP
 FW TECH INSP SFC TANNER 2882/29 (2)
 RW TECH INSP SGT MAJOR 2882/29 (2)
 RW TECH INSP SSG PAYNE 2882/29 (2)
 RW TECH INSP
 RW TECH INSP
 RW TECH INSP
 CLERK TYPIST
 EQUIP SPEC (ACFT) D. TORRENCE 2882/29 (2)

TEST SPT BR
 ATZQ-OT-SL

SR TEST SPT OFF MAJ PATTERSON 3685/27 (1)
 TEST SPT OFF
 SUPPLY SERGEANT SGT GILES 3685/27 (1)
 GENERAL SUPPLY SSG HAYNES 3685/27 (1)
 CLERK-TYPIST
 EQUIP SPEC (GEN) H. RILEY 3685/27 (1)

CONCEPT AND METHODOLOGY BRANCH
 ATZQ-OT-CH

SR CONCEPT & METH OFF LTC ROSS 6578/22 (1)
 OP RESEARCH ANAL J. DEES 2875/26 (1)
 ENGR PSYCH L. HARRISON 2875/26 (1)
 ELCT ENGR
 ELCT ENGR J. ANDERSON 2875/8 (1)
 AEROSPACE ENGR R. MILLER 2875/8 (1)
 MATH STAT E. DONMASCH 6578/25 (1)

ELECTRONIC MAINT TEST/INST BRANCH
 ATZQ-OT-EM

AVIONICS MAINT OFF MAJ BRITTINGHAM 6115
 AVIONICS PROJ OFF CW3 NIETZOLD 6115
 AV EQ MAINT S/EVAL SFC GIRDLEY 6115
 AV EQ MAINT S/EVAL
 AV EQ MAINT S/EVAL SP6 AGOSTO 4916
 AV RDR EQ RPNH/EVAL SP6 ROSADO 4916
 EW EQ RPNH/EVAL SP5 MORRIS 4916
 AV RDR EQ RPNH/EVAL PFC BEELER 4916
 AV COMM EQ RPNH/EVAL
 AV NAV EQ RPNH/EVAL SP4 FLEMING 4916
 AV FLT EQ RPNH/EVAL SSG HOWARD 4916
 AV RDR EQ RPNH/EVAL SP5 STANLEY 4916
 ELECT TECH J. LEDDON 3892
 EQUIP SPEC L. LAMKIN 3892
 ELECT MECH K. HICKS 3892

SCOUT/ATTACK BRANCH
 ATZQ-OT-AS

SR TEST PROJ OFF MAJ NEUWEIN 6082/27 (2)
 TEST PROJ OFF CPT SWINEHART 3682/26 (2)
 TEST PROJ OFF CPT MOUNT 3682/26 (2)
 TEST PROJ OFF CPT BRIDGERS 6083/21 (2)
 TEST PROJ OFF
 TEST PROJ OFF
 ARMT TEST PROJ OFF CW3 YARLETT 6494
 ARMT SYS S/EVAL
 ACFT MAINT S/EVAL SFC GRIFFIN 3682/26 (2)
 ARMT SYS SGT/EVAL SGT LOPEZ 3682/26 (2)
 ACFT FC REP INSP/EVAL SP4 OLIVER 3682/26 (2)
 ARMT SYS MECH/EVAL PFC ALLDRIDGE 3682/26 (2)
 ARMT SYS MECH/EVAL
 EQUIP SPEC (ARMT)
 CLERK TYPIST M. MORRIS 6082/27 (2)

RESOURCE MANAGEMENT DIVISION
 ATZQ-OT-R

SUPV PROC ANAL M. FRIGO 3794/6 (1)
 MGT ANAL B. TINDELL 3794/6 (1)
 BUDGET ANAL
 BUDGET ANAL S. HALL 3794/6 (1)
 PROG-BUD ASST T. TRUMAN 3794/6 (1)
 BUD CLERK J. SIMPSON 3794/6 (1)
 TEST MGT SPT OFF J. ROBERTS 3794/6 (1)
 ACCTG CLERK

THREAT/TACTICS EVAL BRANCH
 ATZQ-OT-AT

SR TEST PROJ OFF MAJ GLANCE 6115
 TEST PROJ OFF
 TEST PROJ OFF MAJ HANNAN 6115
 TEST PROJ OFF CPT BAKER 6115
 TEST PROJ OFF CW4 BAKER 6115

TRADOC SYSTEM MANAGER - ATTACK HELICOPTER

MISSION:

The TRADOC System Manager, Attack Helicopter (TSM-AH), conducts total system management for the Advanced Attack Helicopter (AH-64) and generic attack helicopters (AH-1 series) 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 Project Manager (PM) Advanced Attack Helicopter and 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 the AH-64 and AH-1 systems.

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 AH-64 and AH-1 systems.

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

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

Primary user representation in all studies, evaluations, and other efforts supporting development/deployment of the attack helicopter systems.

Insuring development of training standardization, to include participation with DARCOM/PM in Integrated Technical Documentation and Training (ITDT) to insure that requirements are clearly stated for the attack helicopter systems.

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 attack helicopter systems master schedule.

Insuring that reports on the progress of the attack helicopter systems are provided as required by their 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:

The TSM-AH Office was established at Fort Rucker, Alabama, on 5 July 1977. Authorized personnel staffing is 5 officers and two civilians. Personnel assigned are as follows: (One civilian space is vacant.)

TSM	-	Colonel John C. Bahnsen
ASST TSM (TNG)	-	Lieutenant Colonel Joseph U. Moffett
ASST TSM (PERS)	-	Major Gerald T. Hipp
ASST TSM (LOG)	-	Major Joseph E. Beach
ASST TSM (T&E)	-	Captain Charles C. Crowley
SECY/STENO	-	Mrs. Shirley M. Ray

ACCOMPLISHMENTS:

The TSM was tasked by Headquarters, Department of the Army, through Headquarters, TRADOC, as the "user" representative to present a training, logistics, personnel, and tactics update during the Department of the Army Program Review on 15 December 1977.

The TSM staff has participated in numerous AH-64 and AH-1 development meetings, conferences, working groups, and tactics development and evaluations since office activation. Major commands and organizations involved were:

- HQ Department of the Army (DA)
- HQ US Army Training and Doctrine Command (TRADOC)
- HQ US Army Forces Command (FORSCOM)
- HQ US Army Materiel Development and Readiness Command (DARCOM)
- All TRADOC Schools and Centers
- HQ Operational Test and Evaluation Agency (OTEA)
- HQ Tactical Air Command (TAC)
- HQ XVIII Corps
- HQ III Corps
- HQ US Army Aviation Research and Development Command (USAVRADCOM)
- HQ TRADOC Systems Analysis Agency (TRASANA)
- US Army Maintenance Management Center (USAMMC)
- HQ 6th Air Cavalry Combat Brigade (ACCB)
- HQ US Army Troop Support and Aviation Materiel Readiness Command (TSARCOM)
- HQ US Army Combat Development Experimentation Command (USACDEC)
- HQ Air Mobility Research and Development Laboratory (AMRDL)

MAJOR CONFERENCES/WORKING GROUPS/SYMPOSIUMS ATTENDED:

- PM-AAH/TSM-AH Initial Coordination Conference
- Integrated Logistics Systems/Management Team (ILS/MT)
- Joint Attack Weapons Systems (JAWS) Tactics Development and Evaluation (TDE), Phase I
- JAWS TDE, Phase II
- *AH-64 Training Workshop
- AH-64 Integrated Mock-up Review
- *Joint Services Air-to-Air Conference
- Air Combat Engagement (ACE) TDE
- NATO Air Power Workshop
- ITDT Working Group
- Integrated Helmet and Display Sighting System (IHADSS) Joint Working Group
- ITDT Statement of Work (SOW) Working Group

*Hosted by TSM-AH

ADVANCED SCOUT HELICOPTER

MISSION:

The TRADOC System Manager (TSM) - Advanced Scout Helicopter (ASH) Office conducts total systems 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 (USAVRADCOM) and the Project Manager (PM), ASH system (when established).

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 Integrated Technical Documentation and Training (ITDT), 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.

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 ASH system master schedule.

Insuring that reports on the progress of the ASH system are provided as required by this 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:

The TRADOC System Manager (TSM) - Advanced Scout Helicopter (ASH) Office was established at Ft. Rucker on 5 July 1977 and chartered by the Commander, TRADOC, 9 August 1977. Authorized personnel staffing is four officers and two civilians. Key personnel are assigned as follows: (One civilian space is vacant.)

TSM - Colonel George W. Shallcross, Armor

Asst TSM (Tng) - LTC Lawrence B. Moeller, Infantry

Asst TSM (Log) - Major Vincent P. Mancuso, Infantry

Asst TSM (Testing) - Major Harold D. Pierce, Air Defense

Clerk Stenographer - Ms. Marian G. Young

ACCOMPLISHMENTS:

The TSM-ASH was tasked by Headquarters DA through Headquarters TRADOC in July 1977 to provide an updated ASH Required Operational Capability (ROC) document to DA in August 1977. A significant milestone was accomplished on 22 August when CG, TRADOC, approved the updated ASH ROC for submission to Headquarters DA.

The TSM and/or assistants conducted coordination visits to the following organizations:

- HQ Department of the Army (DA)
- HQ US Army Training and Doctrine Command (TRADOC)
- HQ Tactical Air Command (TAC)
- HQ North Atlantic Treaty Organization (NATO)
- HQ US Army, Europe (USAREUR)
- HQ US Army Forces Command (FORSCOM)
- HQ III Corps
- HQ V Corps
- HQ US Army Materiel Development and Readiness Command (DARCOM)
- HQ US Army Aviation Research and Development Command (USAVRADCOM)
- HQ US Army Troop Support and Aviation Materiel Readiness Command (TSARCOM)
- HQ US Army Maintenance Management Center (USAMMC)
- HQ US Army Training Center (USATC)
- HQ 6th Air Cavalry Brigade (ACCB)
- HQ TRADOC Systems Analysis Agency (TRASANA)
- HQ US Army Combat Development Experimentation Command (CDEC)
- HQ US Army Training Support Center (USATSC)
- HQ US Army Air Defense Center (USAADCEN)
- US Army Administration Center and Fort Benjamin Harrison (USAADMINCEN)
- HQ US Army Combined Arms Center (USACAC)
- HQ US Army Air Mobility Research and Development Laboratory (AMRDL)
- HQ US Army Logistics Center (USALOGC)
- HQ US Army Armor Center (USAARMC)

Training Courses Attended:

15 August - 23 September, MAJ Mancuso attended the ALMC Project Managers Course at Ft. Lee, VA.

15 August - 9 September, LTC Moeller attended the Rotary Wing Aviator Refresher Training Course at Ft. Rucker, AL.

26 - 30 September, COL Shallcross attended the TRADOC Senior Managers' Course at Leesburg, VA.

1 November, LTC Moeller and MAJ Mancuso attended the USAMMC's Executive Orientation for the Logistic Support Analysis Record (LSAR) at Lexington Blue Grass Army Depot.

ASH Briefing Presented to Organizations/Activities/Agencies:

CG FORSCOM and Staff, Ft. McPherson, GA, 20 October 1977
NATO Panel X, Brussels, Belgium, 9 November 1977
503d Cbt Avn Bn, Hanau, FRG, 10 November 1977
8th Cbt Avn Bn, Finthen, FRG, 10 November 1977
CINC USAREUR, 7th Army and Staff, Heidelberg, FRG, 11 November 1977
CG V Corps and Staff, Frankfurt, FRG, 11 November 1977
TRADOC LNO USAREUR HQ, Heidelberg, FRG, 11 November 1977
TRADOC LNO Germany Army Avn Center, Heidelberg, FRG, 11 November 1977
Dir British Army Avn, Ft. Rucker, AL, 15 November 1977
USAAVNC Avn Pers, Ft. Rucker, AL, 21 November 1977

Conferences/Working Groups/Symposiums Attended:

Advanced Scout Helicopter (ASH) Milestone Meeting
Joint Attack Weapons Systems Tactics Development and Evaluation (JAWS TDE) Phase I
Armed Helicopter Instrumented Test (AHIT) I
OH-58C Phase II Joint Working Group
Integrated Technical Documentation and Training (ITDT) Working Group Meeting
Advanced Scout Helicopter - US/NATO Game Plan Strategy Meeting
Flight Symbology Meeting (initial)
Helicopter Air-to-Air Combat Symposium
OH-58C Training Program Review
OH-58C Phase II Design Review/Tradeoff Study Working Group Meeting
Pre-NATO Panel X Conference
Joint Attack Weapons Systems Tactics Development and Evaluation Phase II
Air Force Logistic Composite Model (LCOM) Briefing/Meeting
Flight Symbology Meeting (Follow-on)
Aviation Requirements for the Combat Structure of the Army (ARCSA) Working Group
Radar Shaping Conference
OH-58 1980-84 POM Input Review
Fire Control Symposium

Bell Helicopter OH-58C Training Program Review
CAA ATHELO Joint Study Advisory Group Conference
TRADOC ASH Briefing to the Under Secretary of the Army
ASH Strategy Planning Conference

HELLFIRE

MISSION:

The TRADOC System Manager (TSM) - HELLFIRE Office conducts total systems management for the HELLFIRE Missile System 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 Project Manager (PM), HELLFIRE.

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.

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 HELLFIRE.

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

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

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

Insuring development of training standardization, to include participation with DARCOM/PM in Integrated Technical Documentation and Training (ITDT), to insure that requirements are clearly stated for the HELLFIRE system.

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 HELLFIRE system master schedule.

Insuring that reports on the progress of the HELLFIRE system are provided as required by this 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:

The TRADOC System Manager (TSM) - HELLFIRE office was established at Fort Rucker on 17 October 1977. Authorized personnel staffing is four officers and one civilian. Key personnel are assigned as follows:

TSM - Colonel Alman I. Butler, Inf.

Asst TSM (Testing) - LTC Morris D. Anderson, Inf.

Asst TSM (Training) - Major Jeffrey H. Thomason, Inf.

Asst TSM (Log) - Captain (P) Alvin G. Hogsett, FA.

Clerk Stenographer - Mrs. Jean G. Dockery

ACCOMPLISHMENTS:

The TSM-HELLFIRE was tasked by Headquarters DA through Headquarters TRADOC as the "users" representative to present a training, logistics, personnel, and tactics update during the Department of the Army Program Review on 15 December 1977.

The TSM and/or assistants conducted coordination visits for the following organizations during the period 17 October - 31 December 1977:

- HQ Department of the Army (DA)
- HQ US Army Training and Doctrine Command (TRADOC)
- HQ US Army Forces Command (FORSCOM)
- HQ US Army Materiel Development and Readiness Command (DARCOM)
- HQ US Army Missile Command (USAMICOM)
- US Army Maintenance Management Center (USAMMC)
- HQ US Army Training Support Center (USATSC)
- US Army Administration Center and Fort Benjamin Harrison (USAADMINCEN)
- HQ US Army Armor Center (USAARMC)
- HQ Operational Test and Evaluation Agency (OTEA)

Training Courses Attended:

6-11 Nov 77 - COL Butler attended the TRADOC Senior Managers Course at Leesburg, VA.

10 Nov 77 - LTC Anderson attended the USAMMC's Executive Orientation for the Logistic Support Analysis Record (LSAR) at Lexington Blue Grass Army Depot.

HELLFIRE Briefing Presented to Organizations/Activities/Agencies:

DCSPER FORSCOM, Ft. McPherson, GA, 1-2 Nov 77.

USAF LNO, Ft. Rucker, AL, 21 Dec 77.

Dir British Army Avn, Ft. Rucker, AL, 15 Nov 77.

USAAVNC Avn Pers, Ft. Rucker, AL, 8 Dec 77.

DAPR, Under Secretary of the Army, Washington, DC, 15 Dec 77.

Conferences/Working Groups/Symposiums/Briefings Attended:

Joint Attack Weapons Systems Tactics Development and Evaluation (JAWS TDE) Phase I.

Helicopter Air-to-Air Combat Symposium.

Joint Attack Weapons Systems Tactics Development and Evaluation Phase II.

Liaison Visits to HELLFIRE Prime Contractor (Rockwell).

Orientation/Liaison Visits to USATSC, TRADOC, USAMMC, PM HELLFIRE, USAADMINCEN, and OTEA.

HELLFIRE C³ Meeting/Conference.

Pre-DAPR Briefings at MICOM, TRADOC, and DARCOM.

DIRECTORATE OF PERSONNEL AND COMMUNITY ACTIVITIES/SECRETARY

MISSION:

Directs the aspects of military personnel administration, management, general administration, morale and welfare activities, Army Community Service, military educational development, drug abuse and alcoholism control, Equal Employment Opportunity, OE/Human Relations Division, and Recreation Services activities. Supervises officer and enlisted mess operations and Post Exchange activities. Exercises direct supervision of the USAAVN Museum, and the Adjutant General, Provost Marshal, and Security Divisions. 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
 - Post Exchange
 - Fort Rucker Dependents Schools
 - The American Red Cross
- Army Community Services
 - Office, Accident Prevention (Safety)
 - Installation Club System
- Organizational Effectiveness/Human Relations Division
- Adjutant General Division
- Recreation Services Division
- Alcohol/Drug Abuse Division
- Provost Marshal Division
- Intelligence Division
- US Army Aviation Museum

PERSONNEL:

COL Daniel B. Plyler became the director on 1 July 1976. LTC R. E. Abbott was the director from 17 December 1976 until 17 June 1977.
LTC James H. Thacker became deputy director on 21 June 1977.

PERSONNEL SERVICES DIVISION

MISSION:

Provides staff supervision on matters pertaining to morale; welfare; wearing of the uniform; standards of conduct; 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 funds and private association activities; and collateral reports of investigation and Flying Evaluation Boards.

ORGANIZATION:

- Morale Support Fund (CPF)
- Education Branch
- Post Exchange
- Fort Rucker Dependents Schools

PERSONNEL:

CPT Charlton, Assistant Personal Services Officer, departed the division on 4 Aug 77.

CPT Jerry E. White was Division Chief during 1977.

ACCOMPLISHMENTS:

The Combined Federal Campaign, conducted in the fall of 1977, realized over \$165,750 in donations and pledges.

The following private associations were established on Fort Rucker:

Civil Air Patrol
Road Runners
SE Alabama Archers' Association

The Defense Community Service Council completed the following projects:

Provided engineer support in clearing and grading approximately 4-acre parking lot at Friendship Baptist Church of Enterprise, Alabama.

Graded a ball field at the Fort Rucker Boulevard Elementary School, Enterprise, Alabama.

Provided assistance in erecting 6 power poles, digging holes, setting lights, and erecting poles at the Geneva County High School Stadium, Hartford, Alabama.

Provided assistance in enlarging athletic track at Eastgate Junior High School.

Provided ground support and assisted the Air National Guard in rigging slings to move two sections of Dothan Airport Tower to Auburn.

Constructed a house and a foot bridge at Humming Hills Girl Scout Camp.

Installed several 70-foot light poles for a recreation area at the city of Opp, Alabama.

Removed old light poles and erected mercury vapor lights on new poles for the Cottonwood Civic Club, Alabama.

MORALE SUPPORT FUND

MISSION:

Provides welfare, recreation, and morale activities support for the active duty and retired personnel in the Fort Rucker area.

PERSONNEL:

MAJ Clowes was reassigned to 1st Aviation Brigade on 1 Oct 77.

1LT Blalock assumed the duties of Custodian, Morale Support Fund, on 1 Oct 77.

ACCOMPLISHMENTS:

\$10,000 was provided for pool side equipment.

\$42,000 was provided for purchase of golf carts.

Due to reorganization, Morale Support Fund snackbars were transferred to the operational control of Recreation Services Division.

EDUCATION BRANCH

MISSION:

Provides civilian type educational opportunities as directed by AR 621-5.

PERSONNEL:

Mr. Thomas Baker joined the staff during the first quarter of the calendar year. He died unexpectedly during April of the year.

Mr. James K. Newton, a former staff member, became an Education Specialist, GS-11, assigned to the Apprenticeship Program during the first quarter of the calendar year.

Mr. Ginio Hernandez, Foreign Language Specialist, departed the section during the third quarter of the calendar year.

During the fourth quarter, Mr. George Arnold joined the staff as an Education Specialist, GS-11.

ACCOMPLISHMENTS:

Project JOBREC, later retitled the Industry Recognition Program/Apprenticeship Program, became operational during the first quarter.

During the first three quarters of the calendar year, 53 individuals successfully completed high school; 106 individuals received associate degrees; 47 persons were awarded a bachelor degree; and 14 were awarded a master's degree.

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. Al Roman, Sales and Merchandise Manager, was assigned to Fort Rucker Exchange Main Store, 5 Feb 77.

Mrs. Joan Wilbert, Retail Manager, was assigned to Fort Rucker Exchange Four Seasons Store, 2 Apr 77.

Mr. William Gomez, Personnel Assistant, was assigned to Fort Rucker Exchange, 20 Mar 77.

ACCOMPLISHMENTS:

Fort Rucker Exchange assumed direct control of motion picture operations on 26 Jun 77.

Main Exchange, Shoe Store, and Dog Hut in Hutton Plaza were reduced to a six-day per week operation on 1 February 1977 at the request of the installation.

The Copter Corner Carry-Out and Sub Shop was opened on 1 November 1977. The central kitchen food operation was moved into the same building from building 116 concurrently.

Low Army Airfield and Avi-Eater Snack Bars were converted to submarine shops in October 1977 to very successful customer acceptance. The Hanchey Army Airfield was deactivated on 4 November 1977.

Tac Runkle Site Exchange was deactivated on 1 July 1977.

The Book Store was converted to a troop exchange on 1 October 1977 to very favorable customer acceptance.

New concession operations were opened: Radio/TV/Electronic Repair, 1 April 1977; and a Rent-all service on 1 October 1977.

FORT RUCKER DEPENDENTS SCHOOLS

MISSION:

Provides suitable free public education to the dependent children of military personnel residing on the Fort Rucker reservation. Provides basic education including instruction in art, music, and physical education. Also provided are special programs in speech therapy, remedial reading, and education for the educable mentally retarded and the learning disabled. School health, guidance, and library services are provided as are food and transportation services.

ORGANIZATION:

The Fort Rucker Dependents Schools System consists of a district office, an intermediate school, and a primary school. A central kitchen is operated in the intermediate school, and the primary school lunchroom is operated as a satellite. Student transportation is provided by a civilian contractor under contract with the Army. The schools are operated by the Commanding General, Fort Rucker, with the costs reimbursed quarterly by the Department of Health, Education, and Welfare.

PERSONNEL:

Mrs. Betty Kennedy, Primary School Principal, resigned during the summer of 1977.

ACCOMPLISHMENTS:

The schools were reaccredited by the Southern Association of Colleges and Schools.

A 4,000-square foot instructional area that had been left unfinished at construction time was finished and occupied in November 1977.

The Pre-School Association moved into the Elementary School Building's unoccupied classrooms in summer of 1977.

ARMY COMMUNITY SERVICE

MISSION:

Provides information and referral services, assistance, and guidance to military personnel and their dependents in meeting personal and family problems.

ORGANIZATION:

A division within the Directorate, Personnel and Community Activities.

PERSONNEL:

1LT Shelly J. Tyson was assigned in March as Army Emergency Relief Officer replacing CPT Carl W. Biersack.

Mrs. Ruth Delavan was appointed in November as Volunteer Supervisor replacing Mrs. Lois Turner.

ACCOMPLISHMENTS:

Fort Rucker Army Community Service (ACS) remained one of the largest of the 156 ACS Volunteer Associations in the US Army with a monthly average of 200 adult volunteers and an additional 20 teenage volunteers. These volunteers worked 21,312 hours and provided 71,116 separate services.

The Fort Rucker Army Community Service sponsored 21 programs and committees.

ACS provided newly assigned personnel and 764 of their dependents with welcome orientations on post activities and activities in the local communities. In addition, ACS personnel provided all units on post with briefings on ACS programs and activities upon request.

The International Citizenship Committee assisted 27 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 \$56,213.00.

The Budget Counseling and Debt Reduction Program assisted a total of 44 persons of which 18 are still active. Total indebtedness managed exceeded \$336,000.

The Office of Consumer Affairs handled 86 cases involving problems and differences of opinion between military personnel and the business community.

The Social Work Section of ACS handled over 491 cases involving direct service to servicemen and their dependents and provided consultative and referral services in over 211 others.

The ACS Family Assistance Council provided \$1,957.80 in grants and loans to servicemen and their dependents experiencing financial emergencies where all other resources had been exhausted.

ACS, through its Loan Closet, provided over 10,000 loan services to servicemen and their families.

Sixty-one food packets were provided to military families in emergency situations.

In April ACS provided a briefing to General Dougall, Deputy Chaplain General of the British Army.

In February ACS provided a briefing to COL Patrick N. Delavan, Deputy Installation Commander, Fort Rucker, AL.

In October ACS provided a briefing to BG James H. Patterson, Deputy Commanding General, Fort Rucker, AL.

In December ACS provided a briefing to Mrs. Bernard W. Rogers, wife of the US Army Chief of Staff.

ACCIDENT PREVENTION

MISSION:

Serves as principal staff advisor, technical consultant, and coordinator to the command and staff in planning, organizing, directing, and evaluating USAAVNC safety programs. Provides for establishment and implementation of plans, policies, and procedures for safety programs at all levels of command.

PERSONNEL:

Mr. John S. Hickey, Jr. - Chief.

ACCOMPLISHMENTS:

Comparative accident rates for the past two fiscal years:

	<u>FY 76</u>	<u>FY 77</u>
Army aircraft accidents per 100,000 hours flown	7.32	5.44
Army motor vehicle accidents per 1,000,000 miles driven	2.45	2.26
Military fatalities per 1,000,000 mandays experience	7.51	1.34
Military disabling injuries per 1,000,000 mandays experience	27.13	19.30
Army civilian disabling injuries per 1,000,000 manhours experience	5.70	4.61

INSTALLATION CLUB SYSTEM

MISSION:

Advises 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 Store 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)
- Officers' Club Branch (Revenue producing)
- NCO Club Branch (Revenue producing)

PERSONNEL:

Mr. Joseph C. Wissel was the acting Installation Club Manager until MAJ Evan E. Smith, Jr., arrived in February 1977.

MAJ Evan E. Smith was the Installation Club Manager until 30 November 1977. Mr. Wissel is serving as the acting Installation Club Manager at the present time.

CW2 Donald Seeds has been the Officers' Club Branch Manager throughout this period.

Mr. James Harrelson was acting NCO Branch Manager until MSG Clearotis Birge arrived in February 1977.

MSG Clearotis Birge held the NCO Branch Manager position until 31 August 1977. Mr. Harrelson is the acting NCO Club Branch Manager.

Mr. Stan Filipiak has been the Package Beverage Branch Manager throughout the period.

ACCOMPLISHMENTS:

The Fort Rucker Club System as a whole recorded the most stable, profitable operation in over five years.

The Officers' Club Branch showed a net income for FY 77 of \$84,748 which is double the net income for FY 76.

The NCO Club Branch showed a net income of \$62,401 for FY 77 which is almost triple the net income for FY 76.

The Officer and NCO Club Branches had 14 Department of the Army assigned goals for FY 77. Both branches met or exceeded 10 of the 14 goals.

In July the Officers' Club Branch transferred to the NCO Club Branch the Lake Lodge facility. The NCO Club Branch opened the NCO Lake Lodge on 12 August 1977 as a Supper Club serving E4 thru E9 club members. This allowed the closing of the Pyramid Club (EM Club, E1 thru E9) on 31 July and redesignation of the NCO Club (building 2908) as an all grade club (E1 thru E9) on 1 August 1977.

The Officers' Club Branch is currently going through a redecoration program which is to be completed by mid-1978.

ORGANIZATIONAL EFFECTIVENESS/HUMAN RELATIONS DIVISION

ORGANIZATION:

The Organization Effectiveness (OE)/Human Relations Division is organized into two branches:

Organizational Effectiveness Branch
Human Relations Branch

OE BRANCH

MISSION:

Provides to Fort Rucker the capability to utilize 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. This 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). OESO presents instruction on the role of the OESO, organizational processes, and OE implementation techniques in the courses of instruction presented by USAAVNC. The OESO acts as a consultant in the design of the instructional system used to present OE instruction at USAAVNC.

PERSONNEL:

CPT Luther V. Alford served as the OESO until July 1977.

MAJ James W. Bryant became Chief of OE/HR Division and CPT Alford became the installation OESO.

ACCOMPLISHMENTS:

Training

In February an Organizational Effectiveness Executive Seminar was conducted at Fort Rucker. Approximately 100 key managers attended the three-day seminar. CPT Alford was assisted by LTC Zierdt, Chaplain (LTC) Rivers, and MAJ Jones.

CPT Alford presented a four-day seminar to approximately 20 personnel at C&GSC, Fort Leavenworth, KS, during March.

MAJ Bryant attended the TRADOC OE Workshop during October.

During November and December, Organizational Effectiveness Training Center, Fort Ord, CA, provided Fort Rucker with six OESOs who were completing their required training. This group, plus the Fort Rucker OESO, presented a Leadership and Management Training Course for approximately 45 personnel.

Instruction Presented

The Organizational Effectiveness Branch is currently presenting OE instruction in the following courses: WOAC, WOSC, NCOES, Instructor Development Course, Commander Readiness Course, and Commander's Orientation Course.

HUMAN RELATIONS BRANCH

MISSION:

Assists the Commander in achieving racial harmony and equal opportunity through education, affirmative action, and implementation of special activities.

PERSONNEL:

CPT Alford was assigned Division Chief in January 1977 replacing CPT Mellem who departed for the Artillery Advance Course at Fort Sill, OK.

In July 1977, MAJ Bryant was assigned Division Chief, replacing CPT Alford who assumed duties as OESO.

1LT Bishop, the Education and Training Officer, departed to Fort Knox, KY, in August.

During the year the division experienced a 100% loss of Defense Race Relations Institute (DRRI) trained officer personnel and a 25% slot reduction for enlisted personnel.

ACCOMPLISHMENTS:

Education and Training Section

During 1977, the Education and Training Section conducted three Installation Human Relations Workshops which graduated 62 instructors. These instructors returned to their units to conduct human relations training.

In 1975, the Education and Training Section commenced the training of members of the Southeastern and Northeastern Recruiting Commands. To date, 47 personnel have been training.

During the year the section continued to provide instruction to WOCMDC, WOAC, WOSC, and NCOES.

Also, the section provided guest speakers for RAP Sessions in several units and departments throughout Fort Rucker.

In June two members from the Education and Training Section went to the Waterway Experiment Station, Vicksburg, MS, to provide human relations training to the military personnel assigned there.

In July MAJ Bryant, Chief of OE/HRD, and staff members from Education and Training attended a one-day Managers' Human Relations Seminar at Fort McPherson to develop a greater insight on current trends and educational activities as they pertain to senior military commanders and civilian supervisors.

Equal Opportunity Section

During 1977, this section received and processed two off-post accommodations complaints and ten miscellaneous complaints which were settled informally by respective commanders.

AR 600-21, dated 1 September 1977, and TRADOC Suppl 1 to AR 600-21, dated 26 October 1977, were received at Fort Rucker. AR 600-21 gives the commanders greater responsibility and flexibility in their unit Human Relations Program. Fort Rucker is currently revising USAAVNC Suppl 1 to AR 600-21 to reflect the new changes.

MAJ Bryant, the Division Chief, attended the TRADOC EO Regional Conference held in August at Fort Jackson, SC.

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:

MAJ Kenneth C. Bowden served as the Adjutant General from October 1976 until March 1977.

LTC James E. Crouch has served as the Adjutant General since March 1977.

CPT Carl W. Biersack was assigned as Chief, COMPACT, in July 1977.

ACCOMPLISHMENTS:

On 7 January 1977, the Post Reenlistment Office moved to its present location, building 132. It has been completely renovated, painted, and carpeted. The six new self-contained offices accommodate Reserve and National Guard Career Counselors, 46th Engineer Battalion Career Counselor, and two Post Career Counselors. This new location is very accessible to customers and has ample parking space.

On 9 March 1977, the Commanding General instituted Target Ten program. Target Ten is an identification system that involves the commanders in selecting the quality prospects for reenlistment. Each unit commander selects 10 high quality soldiers, and the list is forwarded to the next higher commander. At the Battalion level, the list is consolidated and the names of 10 best qualified are selected. This selection process is repeated through Brigade, and the list is forwarded to Post Reenlistment. Post Reenlistment in turn provides the list to the CG in addition to other factual information concerning the prospects. The Target Ten program is intended to reduce the number of quality soldiers that leave the service.

On 16 May 1977, a new system of providing 24-hour coverage for the Casualty Unit was implemented. Under this new system, it is no longer required for someone to physically be in the Casualty Unit during nonduty hours. Instead, a designated individual is required to be on call and remain within a ten-mile radius of Fort Rucker. This new system is a definite improvement over the previous system in that it requires someone in the office only if needed. It also allows the section chief more flexibility in the efficient utilization of the limited personnel resources available. Implementation of this new system has not caused any difficulty or problems in providing immediate response to requests for casualty assistance in the Fort Rucker area of responsibility.

Effective 4 October 1977, authority for approval of recommendations for award of Certificates of Achievement was delegated to the O6 Directorate level. Presentation of Certificates will also be made at this level. In those instances where the Director is not an O6, approval authority is automatically passed to the next O6 in the chain of command. This is normally the DIC or Chief of Staff. Previously, recommendations for Certificates of Achievement were processed through the Awards and Decorations Board with final approval or disapproval by the CG. This change has resulted in a reduction in the number of recommendations being considered by the Awards and Decorations Board, and has also served to greatly reduce the amount of manhours and paperwork required to process Certificates of Achievement and preparation of the Awards and Decorations folders.

On 20 August 1977, the Retirement Services Office conducted the installation's annual Retiree Open House for the retired Army community residing within Fort Rucker's area of responsibility. The function was attended by 120 retirees, 92 spouses, and five surviving widows. Colonel Patrick N. Delavan, Deputy Installation Commander, gave the welcoming address and then presented a briefing on the status of Army aviation and on Fort Rucker matters of interest to the retiree. The guest speaker, Major Lloyd M. Mitchell, Chief, Retired Activities Division, The Adjutant General Center, Washington, DC, , spoke on the retiree functions performed by his office and addressed ongoing congressional legislation which may affect retirees. Also participating in the Open House were representatives from the various post service facilities, the Veterans' Administration, the Social Security Administration, and the Alabama Employment Service. These representatives answered questions from attendees and provided individual counseling upon request.

In August 1977, the 427th Medical Company participated in REFORGER 77 at 100% strength due to the efforts of the AG Management personnel in obtaining filler personnel.

A continuous project to identify critical MOSs and obtain these personnel was initiated in July. With the assistance of the departments, critical MOSs are identified and special emphasis placed upon obtaining filler personnel and maintaining the current strength through the use of operational deletions.

During October 1977, Publications Section, Administrative Services Branch, implemented a new procedure for requisitioning of blank forms and publications using AUTODIN in lieu of manual preparation. Requisitions are key punched on IBM cards and transmitted through AUTODIN to appropriate supply points. Improvements under this system are mail transient time and requisition processing time which speeds up the receipt of publications and blank forms by approximately 21 workdays. Under the manual system, it took approximately 6 weeks for receipt of blank forms and publications.

A forthcoming change to AR 635-5 to be effective 17 January 1978 will announce the authority for E7s, E8s, and E9s serving as Chiefs of Transfer Point to sign DD Form 214. This change was the direct result of an action submitted by the AG Division, Fort Rucker, wherein we requested authority for SGM Uszuko to sign DD Form 214 since he is serving as Chief, Transfer Point (a position normally filled by an officer).

Also, in keeping with Department of the Army's policy of placing senior NCOs in more responsible positions, SFC Sam T. Johnson assumed the position as Chief, Reenlistment Office, upon the departure of 1LT Partee in August 1977. This is another example of a senior NCO filling an officer position and accomplishing the mission in an outstanding manner.

Elimination of 23 civilian positions within the AG Division during September 1977 resulted in the curtailment of various functions which did not directly impact on a servicemember's career.

RECREATION SERVICES 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.

PERSONNEL:

MAJ Alan R. Keller replaced LTC Charles A. Spencer as Recreation Services Officer on 13 June 1977. LTC Spencer retired 30 June 1977.

ACCOMPLISHMENTS:

The Arts & Crafts Branch participated in National Hispanic American Week by providing a display and demonstration of Latin American weaving and spinning techniques.

Arts & Crafts sent several entries to the 7th All-Army Art Contest. CPT Clinton M. Kounk and SP4 Alberto Oyola represented Fort Rucker at TRADOC level competitions.

Ms. Linda Platshon, DAC, won a 1st Place award in crafts at the 1977 National Peanut Festival held in Dothan, Alabama.

Energy conservation measures and staffing limitations in March 1977 required a cut-back in the operation of Arts & Crafts facilities from a 40-hour a week schedule in all facilities to 8 hours in Ceramics, 16 hours in Multicrafts, and 16 hours in the Woodshop. The Woodshop operation was later expanded to 40 hours a week with staffing assistance from the 46th Engineer Battalion.

Plans for consolidation of Arts & Crafts facilities into building 9002 were canceled due to cost increase. On 1 Nov 77, the Multicrafts Center was relocated from building 3507 to 8912.

Volunteers contributed 1,600 hours to the Arts & Crafts Branch. They provided assistance in the Woodshop, Ceramics Center, and Autocrafts Center. Mark Honnaker, Steven Brown, SFC Randy Gore, and Jannette Heikkila each volunteered over 250 hours in 1977.

Ms. Constance Evans, Multicrafts Director, departed for Redstone Arsenal in March 1977. Ms. Carol Holley replaced Ms. Evans in June 1977.

Dependent Youth Activities Branch: Mr. Walter Winchester, Dependent Youth Activities Director for one and one half years, transferred to Fort Knox, Kentucky, on 16 August 1977. Mr. Billy Adkins, Youth Activities Sports Director, was detailed to the position. SFC Denzil Bleigh, Scout Coordinator and former NCOIC of the division, transferred to Germany in September. SFC Edmund Baum transferred to the branch in October and was selected to serve as Director of the Youth Center.

An entirely new program was introduced at the Youth Center in 1977. Members are being divided into three age groups - sub-teens, ages 6-9; pre-teens, ages 10-12; and teens, ages 13-19. Once this is totally accomplished, a program of activities will be directed towards each age group. Plans have been formulated to offer more dances at the Youth Center and short trips, such as roller and ice skating.

Dancing, Acrobatics, Baton, and Gymnastics classes expanded during the year. Many renovations were made in the Dance Studio which make it a much more pleasant place to work and learn. This work was accomplished through cooperation with the 46th Engineers and DFAE. The participation in dance and related classes increased by 60 students. Classes were offered in ballet, jazz, modern dance, and acrobatics. Baton twirling classes are also a part of

the program, upon demand. Various equipment was purchased for the gymnastic program, to include balance beam, parallel bar, mini-trampoline, and spring board. A large floor mat was purchased by the Thrift Shop and donated to the gymnastic class. Two competitive gymnastic meets were held, and Fort Rucker's team performed well.

Soccer - A Soccer field was prepared, and goals were constructed and installed by DFAE. Over 100 participants registered for the sport. There were four teams formed for small fry's, and one team for 13-14 year olds. The older boys were entered in the Dothan Soccer League. The local team completed the season with a record of 6 wins, 1 tie, and 1 loss. It was a successful first year. Soccer will be offered as a major sport during the Fall and Spring.

Basketball - The 1977 registration marked the largest turnout for this sport in years. Five minor league teams (8-9-10), four major league teams (11-12), two pony league teams (13-14), and two senior league teams were organized for the boys. Two minor leagues (12 and under) and two teams (13 and over) were formed for the girls. The teams will participate in the Dale County Basketball League; thus offering a greater variety for competition.

Baseball - Baseball continued to be the sport with the greatest appeal for boys and girls. All leagues expanded in the number of teams as well as in the number of participants on each team. Fort Rucker franchised teams in Dixie Youth (4), Dixie Boys (3), and Dixie Majors (2). Traveling teams represented the installation at tournaments for each division. Two traveling teams were selected in the 11-12 year-old divisions, one to participate in Dixie Youth Tournaments and one to participate in the Southeast Military Tournament held at Eglin Field in Florida. T-Ball participation doubled. A playoff tournament was organized for the minor league teams.

Softball - Fort Rucker's girls softball doubled in participants. The 12 year-olds and under were franchised with the Dixie Ponytails for the first time. The Ponytail traveling team participated in the District and State competition. Fort Rucker was host for the State Tournament held at Flier Field. Dixie Debs (13 and over) had a good season and participated in the State Tournament held in Birmingham.

Football - There were more participants registered for youth football and cheerleading than in previous years. Fort Rucker participated in the Dale County Youth Football League and played a leading role in the expansion of the league. Fort Rucker had two teams entered in the Pee Wee Division and two in the Midget Division. Our teams were fully competitive and were complemented with 30 team members each. The Major League Division played with Fort Benning to form a league of five teams. Fort Rucker played at Benning three times and Benning came to Fort Rucker for three games. The Fort Rucker teams dwindled in number of participants in the last of the season; therefore, the two teams were consolidated into one team for the last two games. The major league teams played junior high games against New Brockton and were successful in both games. Fort Rucker provided a punt, pass, and kick contest for both boys and girls.

Swimming - The Youth Swim Team, the Frogs, greatly increased in participants in 1977. The team enjoys year-round competition, using the indoor pool at the Physical Fitness Center. The team acquired a new coach, Mrs. Black; however, Coach McKinzey continues to offer his assistance. The team hosted swim meets and traveled to other areas to participate in meets.

Tennis - Tennis clinics were conducted by a volunteer tennis instructor at scheduled times during the year.

Bowling - Interest in Youth Bowling continued to grow. Youth Bowling occupies the Fort Rucker Lanes from 0800 to 1200 hours each Saturday during the school year. During summer months Youth Bowling is available on Wednesdays. The current enrollment is 92 bowlers. Exceptional children's bowling is scheduled for Sunday afternoons with ACS being the sponsoring agency. Youth Bowlers participated in the State Tournament. The 1978 tournament will be held in the spring at Florence, Alabama.

Archery, racketball, and handball clinics were held, seasonally, for those interested in learning a new sport. Equipment is available for individuals interested in perfecting their skills in each of the sports.

1977 was a fantastic year for adult volunteers in the Sports Programs.

Girl Scouts - The Girl Scouts enjoyed a very successful day camp program at Singing Pines. Heaters were installed in the Singing Pines facilities, and the camp can now be used year-round by both girls and boys. The Fort Rucker scouts worked closely with local civilian community projects, assisting them in getting back to Girl Scouting. Mrs. Nancy White is the Girl Scout Coordinator.

Boy Scouts - Boy Scouts were consolidated into five buildings on post. The central operation of all scouting was moved to the Youth Center, building 207, with Mr. Ed Hess, Billy Adkins, and SFC Edmund Baum working with the scouts through Dependent Youth Activities. Courts of honor and meetings are scheduled monthly in the Youth Center. LTC Anderson is the post representative for Boy Scouting.

Library Branch - Using a \$500.00 grant from the 49'er Party, the library began a genealogical research collection. The materials are basically the how-to guides and those tools especially helpful to minority groups. Since this collection was developed in June, the reference department has processed over 50 interlibrary loan requests from persons tracing their family ancestry.

Music & Theatre Branch - During the 1977 season, the Fort Rucker Area Community Theatre produced three major shows - Treasure Island (Apr 77), The Tempest (Aug 77), and Ebenezer Scrooge (Dec 77). The New Orleans Philharmonic Orchestra gave an outstanding performance in February. On stage activities were provided for the 49'er Party and AUSA Picnic. Also throughout the year, the Music & Theatre Branch provided support for the 98th Army Band, the Post Chapels, and community churches in their dramatic endeavors. Equipment and professional knowledge was provided to numerous public school activities in the area, local beauty pageants, and dance recitals. Mr. Alvin Buckmaster, Branch Director, secured judges for local Arts & Crafts festivals, Music & Theatre competitions, and costume contests. After two years of planning, development of musical activities began in 1977.

Outdoor Recreation Branch - Mr. Jim Cullina, Branch Director, transferred to Korea in March. He was succeeded by Mr. James Zapp. In 1977, the Lake Tholocco Engineer Beach area was officially opened. The area offers eighteen campsites with water and electrical hookups. In September concrete pads, picnic tables, and barbeque grills were installed at each campsite.

Recreation Center - The Recreation Center conducted numerous community-wide events during the year, such as pet shows, bike rallies, and gong shows. Participation in these events was outstanding. The professional staff planned and offered a total of 712 programs in 1977, with participation more than doubled over 1976.

The Information, Tour and Travel Office planned and conducted 51 tours in the surrounding areas.

A six-foot diagonal television was donated to the Recreation Center from 49'er Party proceeds.

Snack Bar Activities - In August 1977, the Golf Course and Bowling Lanes Snack Bars were transferred from the Morale Support Fund Branch, Personnel Services Division, to Recreation Services Division. The Wildlife Association Snack Bar was transferred to Recreation Services in November 1977.

Sports & Athletic Training Branch - Major efforts were made in 1977 to increase the variety of sports offered. This was accomplished with the addition of soccer, boxing, and volleyball to the Sports Program. These sports are available at post level along with basketball and softball. The Intramural Program experienced growth in all of the existing sports (basketball, football, softball, and bowling) and will incorporate swimming and racketball in the upcoming months of 1978.

The Sports and Athletic Training Branch had one major staff change in 1977. In January Mr. Lamar Caldwell, Sports Director, departed for Korea. He was replaced by Mr. Billy Smith in May 1977, who transferred to the position from Hunter Army Airfield, Georgia.

Fort Rucker had men's and women's teams participating in the following TRADOC tournaments:

Basketball	Men, 7-11 Mar 77	Host: Ft. Knox, KY
	Womens, 14-18 Mar 77	Host: Ft. Rucker, AL
Softball	Men, 22-26 Aug 77 (TRADOC Champions)	Host: Ft. Benning, GA
	Women, 22-26 Aug 77	Host: Ft. McClellan, AL
Bowling	Men and women, 11-15 Apr 77	Host: Ft. Leonard Wood, MO
Tennis	Men and women, 10-15 Jul 77	Host: Ft. Leavenworth, KS
Golf	Men, 15-19 Jul 77 (Single Champion)	Host: Ft. Rucker, AL

During 12-14 Aug 77, the Sports Branch hosted its second annual softball tournament. Twenty-four teams from both the military and civilian community participated. In Oct 77, the Sports Branch hosted three weekends of tennis tournaments. Personnel from both civilian and military communities competed in Singles (men and women), Doubles (men and women), and Mixed Doubles.

ALCOHOL/DRUG ABUSE DIVISION

MISSION:

Advises the commander and DPCA on matters pertaining to alcohol and other drug activities. Advises and assists commanders in implementation of alcohol and drug abuse prevention and control programs.

ORGANIZATION:

The Alcohol/Drug Abuse Division was begun at Fort Rucker in September 1971 as part of the Human Relations Division. The Alcohol and Drug Program became a separate division under DPCA in November 1973.

PERSONNEL:

CPT Gary A. Keevert assumed command of the division as Alcohol/Drug Control Officer from CPT Thomas H. Carter in May 1977 and remained in that position throughout the year.

The staff has suffered the losses of one of the civilian counselors and the division NCOIC.

The Bio-Chemical Testing continues to operate with only one person who also performs the duties of Education Coordinator and Intake Counselor.

ACCOMPLISHMENTS:

The education program transmits creditable information about alcohol and other drug abuse and associated problems. Throughout 1977, numerous outreach programs were presented by members of the staff. During the year 3,160 persons outside the military family were reached. These programs were presented to local schools, civic clubs, scouts, churches, and other activities in the local area.

The Halfway House for live-in clients continued to remain closed during 1977. The Prevention and Control Team continued to run group sessions. The clients are counseled and educated on drug and alcohol abuse. The Prevention and Control Team worked with 326 military personnel in 1977.

Urinalysis testing such as command directed, client testing, etc., is still in effect.

The DWI School was reopened, and the program graduated 65 people in 1977.

PROVOST MARSHAL

MISSION:

Advises the DPCA and Command Group on matters pertaining to maintenance of order and discipline and the enforcement of laws, orders, and regulations.

ORGANIZATION:

See organization chart on page 93.

The 141st MP Company supports the Provost Marshal's Office with personnel and equipment. The TO&E presently calls for three officers and ninety-six enlisted personnel.

Sentinel Protective Services was awarded the civilian guard contract in July 1977. They are responsible for security of all airfields, the ammunition storage dump, other sensitive buildings and facilities, and for money escorts.

PERSONNEL:

COL David J. Anderson assumed duties as the Provost Marshal in August 1976.

CPT Alan M. Richardson became Deputy Provost Marshal in June 1977, replacing CPT Michael L. Johnston who departed Fort Rucker for Germany.

SSG John Chance replaced SSG Calvin Haygood as Provost Marshal Administrative NCO in June 1977.

SSG Billy Young replaced SSG John Chance as Provost Marshal Administrative NCO in November 1977.

1LT Paul Schlup, OIC, MPI Section, relinquished his duties in September 1977, and SSG Larry Miller is currently NCOIC of that section.

LT Steven Boudier is OIC of the Military Police Operations Section.

ACCOMPLISHMENTS:

Vehicle Registration Section registered and cleared over 18,000 vehicles and weapons, and transitioned into the automated Management Information System.

The duties of the Game Warden Section were simplified with the transferral of the responsibility for sale of hunting and fishing permits to the Wildlife Association on 7 November 1977. The following figures depict business conducted by this section:

Administration:

Hunters signed out	5,874
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Reported Kills:

Deer	331
Dove	312
Rabbit	317
Squirrel	289
Quail	110
Turkey	22

The AWOL Apprehension Section processed and returned to military control 253 absentees. The area of responsibility for this section includes portions of Florida, Mississippi, and Alabama.

The Military Police Investigation Section opened 1,095 cases and closed 1,027 cases. A breakdown of some of the cases follows:

<u>Offense</u>	<u>Subjects Identified</u>	<u>Cases</u>
Simple assaults	40	42
Larcenies	51	358
Possession of marihuana	252	213
Harassing/obscene phone calls	4	36
Prowlers	1	16
Unlawful entry	3	7
Miscellaneous	76	423
Value of property stolen and recovered:		
<u>Stolen</u>	<u>Recovered</u>	
\$19,728.37	\$2,048.26	

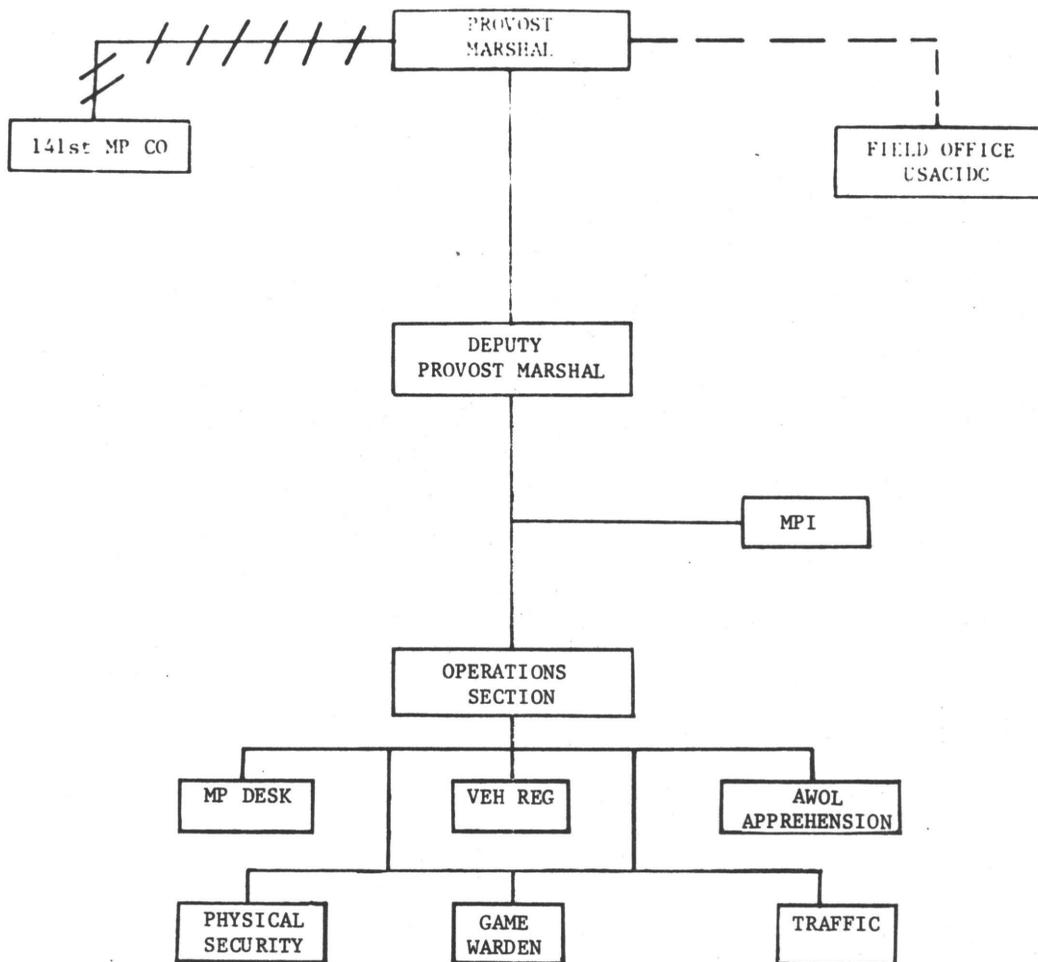
The Physical Security Section has accomplished the following inspections and actions:

Unsecured building reports	179
Annual inspections	194
Annual surveys	27
Supplemental inspections	2
Annual courtesy inspections	3
Annual unannounced inspections	141
Initial inspections	9
Crime prevention inspections	18
Alarm activations	193

The Operating Section in addition to exercising overall supervision of the sections indicated on inclosure 1, has forwarded the following reports:

DA Form 3975 (MP reports)	2,983
DD Form 1408 (traffic tickets)	1,718
Traffic accident reports	470
Post driving privileges suspended	137

In addition, approximately 9,300 other miscellaneous administrative papers were processed.



LEGEND:  Supports PM with personnel and equipment.
 Coordination with liaison with PM.

INTELLIGENCE DIVISION

MISSION:

Advises and assists the Director of Personnel and Community Activities on all intelligence, counterintelligence, and security matters.

PERSONNEL:

Mr. Marion E. Hill was Chief from 1 January through 8 December 1977.

Mr. William G. Parsons, previously assigned to the Comptroller, was assigned to this division effective 24 January 1977. Mr. Parsons replaced Mr. Francis K. Wetzel, Security Specialist, who transferred to the Defense Investigative Service on 9 October 1976.

Mr. Henry A. Stroup, Personnel Security Specialist, died of a heart attack on 31 August 1977. Mr. Stroup was initially assigned to this division on 3 May 1976.

ACCOMPLISHMENTS:

In 1977, the Intelligence Division processed 9,146 security clearance actions; conducted 138 security inspections; denied, suspended, or revoked 5 security clearances; and received and processed 1,718 documents classified SECRET or higher. There were no reportable security violations at Fort Rucker during this reporting period.

US ARMY AVIATION MUSEUM

MISSION:

Collects, restores, preserves, and displays significant items in the field of aviation relating to the history of the United States Army.

PERSONNEL:

Mr. William A. Howell, Curator, retired in March 1977.

Mr. Thomas J. Sabiston became the new Museum Curator in August 1977.

ACCOMPLISHMENTS:

The museum had 72,536 visitors during January through November 1977. A total of 124 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.

The US Army Aviation Museum's hot air balloon was flown at the Lake Eufaula Festival, Eufaula, Alabama, and at the National Peanut Festival, Dothan, Alabama, in conjunction with recruiting activities. It was also flown and displayed at the Army Aviation Birthday Celebration activities at Fort Rucker, Alabama.

The museum collection now consists of 49 rotary wing aircraft, 33 fixed wing aircraft, and one (1) lighter-than-air, along with hundreds of other items of Army Aviation memorabilia valued at approximately \$40 million.

Historical items donated or transferred to the museum during 1977 total 350 and range from small personal items to complete aircraft. Some of the more notable items acquired were:

OH-6A helicopter used by the US Army Aviation Precision Demonstration Team (Silver Eagles).

XH-51A compound helicopter used in various tests for the Army.

OH-58 helicopter, the first production flying model built, was used primarily for product improvement testing by the manufacturer.

Altitude chamber, received from the US Army Aeromedical Research Laboratory, was one of the first used by the Army to train pilots.

DIRECTORATE INDUSTRIAL OPERATIONS

MISSION:

Directs all activities of the logistics program (supply, aircraft quality assurance, procurement, services, plans and operations, transportation, maintenance, and housing) to include the management of facilities and material and other logistics aspects of actions which are involved in assuring the effective training of personnel. 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 logistics operations.

ORGANIZATION:

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

- Supply & Services Division - Negative report submitted
- Procurement Division
- Transportation Division - Negative report submitted
- Maintenance Division
- Housing Division
- Aircraft Logistics Management Division (ALMD)

PERSONNEL:

Director of Industrial Operations - COL Gaither C. Bray

The following military personnel assignments were made:

LTC George R. Kuntz	Ch, Plans & Operations	Aug 77
LTC James O. Poulnot	Ch, Maintenance Division	Jul 77
MAJ James R. Dayton	Ch, Maint Surv Br, ALMD	Jun 77
SGM Jack R. Fulp	DIO Sergeant Major	May 77

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:

Chief, Procurement Division - MAJ Ralph S. Tomita

Arrivals:

Billy B. Newton, Contract Specialist, assigned 7 February 1977
Perry E. Doyal, Price Analyst, assigned 21 April 1977

Departures:

Billy B. Newton, Contract Specialist, departed 28 November 1977
Emily J. Abel, Contract Specialist, departed 10 June 1977

ACCOMPLISHMENTS:

Mandatory Procurement Training. Mandatory Procurement Training continued to receive emphasis with an 84.1% completion rate. DA 1977 goal is 75%. A total of 25 mandatory courses were completed. This training has improved the technical competency of careerists and overall cost effectiveness of procurement support. Additionally, two TRADOC procurement interns are receiving training in the various facets of contracting. Both interns are making excellent progress in the program.

Advance Procurement Planning Program. Advance Procurement Planning Program (APPP) continued to be emphasized. Two revised plans were developed and published with major effort made to recycle recurring service requirements away from the fourth quarter. These comprehensive plans include recurring services, construction, supply, educational, and purchase requirements. Additionally, bi-monthly DFAE/DIO coordination meetings are held to discuss contractual problems and projecting construction, including Family Housing workload. A program of "shelf projects" was also instituted. Initially, the program involved first quarter projects which were submitted in the fourth quarter. This program has now been expanded to include construction projects developed and awaiting administrative approvals. These APPP actions resulted in a 26% overall solicitation reduction in the fourth quarter FY 77. TRADOC's goal was 42%.

Contract Workload. Contract workload increased with twice the number of solicitations issued in FY 77 as compared to FY 76. There was an overall 14% increase in the average number of contracts awarded. Contract mission support requirements increased with support provided to Armed Forces Entrance and Examining Station; Armed Forces Recruiting Command; Nonappropriated Fund (excess of \$2,500); Commercial Industrial Type Activity (CITA); and Automatic Data Processing Requirements. This increased mission support was assumed with no personnel changes.

Department of Labor (DOL) Compliance Measures. Labor compliance procedures have been formalized to include both construction and service contract personnel. An internal Standing Operating Procedure (SOP) was developed to insure standardization of procedures. Wage Determination procedures were also revised and standardized to insure currency of available wage rate data.

Contract and Contract Administration Improvements.

Utilization of requirements contract type for construction projects increased approximately 400% in comparison to FY 76. This contract type has eliminated the need for several smaller separate contracts, and reduces the number of manhours required to develop and process these separate requirements. Contract administration workload increased with the need to issue delivery orders and monitor contractor progress.

Contracting Officer Representative (COR) letters were revised to include specific guidance on COR duties. This action was taken to preclude possibilities of informal commitments, and decreasing the number of change orders. Additionally, monitorship of contract progress has continued with noticeable improvement in contractor performance.

The FY 78 Aircraft Maintenance Contract was awarded after major revisions of the solicitation to include data requirements, statement of work, property provisions, and source selection authority (SSA) method of evaluation. The SSA method of evaluation was highly successful in alleviating many pre-award and post-award problems (Freedom of Information Act requests, GAO protests, Congressional meetings) experienced in the FY 77 contract award. AVSCOM, TRADOC, and DA representatives were directly involved in all aspects of the solicitation development, evaluation, and contract award phases.

A solicitation/contract checklist was developed and implemented to standardize contract files and provide ready reference to determine status, and if required, accomplishment of required actions. Contract specifications continue to be reviewed to reflect the Government's minimum requirements. Review of contract specifications

and improved negotiations resulted in lower overall contract price and improved contractual services.

Blanket Purchase Agreement (BPA) semi-annual reviews have resulted in a major reduction in the number of BPAs. This reduction has improved the control and reduced the manhours required to monitor these agreements.

A system of bi-monthly follow-up on purchase orders to both vendors and requiring activities was implemented. This procedure lessens the number of delinquent orders and assists in insuring that proper documentation is forwarded to insure vendor payment.

US Army Aviation Center Regulation 715-1. USAAVNC Regulation 715-1 was distributed on 8 April 1977. This regulation outlines the administrative policies and operating guidance governing the functions of requiring activities receiving procurement support. It also establishes uniform procedures for purchasing and contractual support and contains the Advanced Procurement Plan for Fort Rucker.

Class B Telephone Conversion. Communication Service Authorization (CSA) was awarded to General Telephone Company of the Southeast on 11 February 1977. This CSA authorizes General Telephone Company to provide telephone service to unofficial subscribers within Fort Rucker and outlying airfields and/or facilities.

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 organizational maintenance performed on Army equipment in the possession of troops.

PERSONNEL:

LTC James O. Poulnot, Chief, Maintenance Division, assigned July 1977.

Mr. Thomas J. Hedrick, General Equipment Maintenance Officer, assigned June 1977.

ACCOMPLISHMENTS:

Quality Assurance Branch of Maintenance Division has begun a realignment and reassignment of its Quality Assurance Inspectors to conform with assigned mission. There is an inspector assigned on a permanent basis to the Weapons and Combat Vehicles Branch, the Communications and Electronics Branch, and the General Support Equipment Branch. The assignment of inspectors to these areas has saved many manhours, improved the quality of work, and is saving turn-around time on items repaired in these shops. Quality Assurance will continue to strive to improve the quality of work performed in all shops of Maintenance Division.

In addition to this, Quality Assurance supports all the installation staff assignments such as: Emergency Deployment Readiness Exercise, Annual General Inspections, Courtesy Inspections on TOE units, and gives support to Reserve components that perform annual summer training at this station.

A new Calibration Recall System (CRS) was implemented in August 1977 in compliance with TRADOC/FORSCOM Manual 18-1-B-DMA, Volume II, dated 1 July 1977, by the Planning, Production and Control Branch.

An annual inventory of all functions of the Commercial-Industrial Type Function (CITF) Program related to the Maintenance Division was completed during 1977.

TRADOC approval for continuance of in-house operations for the following CITF functions was obtained: J506 Non-combat Vehicles, S719 Wearing Apparel.

The Maintenance Assistance and Instruction Team (MAIT) transferred under Chief, Maintenance Division in 1976. The team is comprised of two (2) Department of the Army Civilian Equipment Specialists. Scheduled visits are being made to troop units on Post annually, and requested visits to troop units on Post and Reserve Components satellited on Fort Rucker to help with any problems encountered during summer encampments. Formal classroom instruction on new and old equipment is being given to troops on this installation. The MAIT aids significantly in improving the operation and maintenance of the equipment used by unit personnel.

Quality Assurance Personnel of the Training Devices Branch assisted in UH1FS Army acceptance at Fort Stewart, Georgia; Fort Bragg, North Carolina; Fort Hood, Texas; Korea; Fort Riley, Kansas; and Indiantown Gap, Pennsylvania. The CH47FS was accepted at Fort Rucker by the Army. Maintenance Division assumed the Quality Assurance responsibilities. Quality Assurance personnel from the Training Devices Branch went to Germany for an assistance visit on the UH1FS there. The Training Devices Branch, Quality Assurance personnel furnished on-the-job training for Quality Assurance/Contracting Officer Representative personnel at new UH1FS field sites. Construction for the UTAS started in September 1977. Fort Rucker SFTS Quality Assurance personnel assumed logistical acceptance at Fort Rucker for worldwide UH1FS support. The 15G16 Radar Lab was reconfigured to economize instructor personnel.

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 composed of three Branches:

- Family Housing Branch
- Furnishing Management Branch
- Billeting Branch

PERSONNEL:

Authorized personnel strengths were 13 military, 28 appropriated fund, and 32 nonappropriated fund civilian personnel during the year. Key personnel and assignment dates are as follows:

Chief, Housing Division	Mr. William F. Hodgkinson	Apr 77
Chief, Family Housing Branch	Mrs. Myree P. Horne	Mar 77
Chief, Furnishings Mgt Branch	Mr. James R. Smith	May 72
Chief, Billeting Branch	1LT Douglas A. Thorpe	Aug 76
Chief, Budget Section	Miss Patricia A. Sales	Aug 76

Departed key personnel:

Chief, Housing Division	Mr. Henry L. Dowling	Jan 77
Chief, Housing Division	Major Jerry L. Goodson	Mar 77

FAMILY HOUSING BRANCH

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. Screens and processes job order requests for major repairs or improvements. Reviews preventive maintenance program, and conducts review and analysis of family housing costs. Monitors the self-help program. Maintains inventory of Government controlled housing and real property serving family housing only. Administers the Government quarters rental program and substandard housing program. 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 trailers and 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 five major sections:

- Management and Administration
- Assignment and Termination
- Inspection
- Housing Referral (HRO)
- Facilities

PERSONNEL:

Authorized 2 military and 13 civilian personnel.

ACCOMPLISHMENTS:

During 1977, the Family Housing Branch terminated and assigned 1,916 sets of quarters, a 7.5% decrease from 1976. This represents a turnover rate of 63% as opposed to a 67% rate in 1976.

Average occupancy rate for all family housing units for the year was 99.46%.

Of 2,817 persons eligible for off-post housing assistance reporting to Housing Referral Office for assistance, 2,639 persons requested assistance and 2,471 were housed as a result of HRO assistance. Approximately 125 additional bachelor personnel were processed.

The Housing Referral Office listed an additional 660 off-post housing units as being available for sale or rental on a nondiscriminatory basis.

Fifty-six sets of field grade quarters and thirty-eight sets of company grade quarters were reallocated to NCO in order to equalize waiting periods for family quarters.

Substandard Quarters, Lake Lot #4, was temporarily diverted to Bachelor Officer's Quarters (BOQ) status during April 77. Four other substandard units, Lake Lot Nos. 1, 2, 3, and 5 were held in inactive status pending DOD decision on disposition of substandard quarters.

A contract was awarded in January 1977 for interior painting, replacement of folding doors, and floor refinishing.

A contract was awarded in May 1977 for installation of fire stop blocking.

A contract was awarded in May 1977 for grounding of water laterals.

A contract was awarded in March 1977 for fertilizing of lawns.

Two contracts were awarded (one in May and one in December 1977) for installation of water heaters.

A contract was awarded in June 1977 for replacement of kitchen range hoods in Capehart houses.

A contract was awarded in June 1977 for initial installation of kitchen range hoods in MCA units.

A contract was awarded in July 1977 for exterior painting of 43 Red Cloud Road.

A contract was awarded in June 1977 for rerouting of condensate lines.

A contract was awarded in July 1977 for correction of street drainage deficiencies.

A contract was awarded in July 1977 for mowing in common use housing areas.

A contract was awarded in August 1977 for installation of garbage can holders in the Trailer Park.

A contract was awarded in August 1977 for replacement of gas laterals.

A contract was awarded in September 1977 for replacement of kitchen floor covering at 43 Red Cloud Road.

A contract was awarded in September 1977 for repair of walls behind washers and dryers.

A contract was awarded in February 1977 for construction of sidewalks and curbing in Bowden Terrace.

A contract was awarded in December 1977 for repairs of lawn drainage systems at split level units.

A contract was awarded in December 1977 for installation of smoke detectors.

A contract was awarded in December 1977 for replacement of clotheslines in the Trailer Park.

A contract was awarded in December 1977 for replacement of bathroom medicine cabinets.

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 for new housing. Requisitions, receives, stores, and issues 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 5 military and 6 civilian personnel.

ACCOMPLISHMENTS:

Phaseout of unserviceable family housing furnishings began during 1977.

The use of personally owned refrigerators was authorized by the Installation Commander in 1977.

Self-help garden tools were transferred from DFAE to Furnishings Management Branch.

A laundry direct exchange system for troop units was initiated in 1977.

BILLETING BRANCH

MISSION:

Assigns and terminates assignments of personnel in bachelor housing. Manages transient housing facilities to include Visiting Officer's Quarters (VOQ) and Visiting Enlisted Quarters (VEQ). 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 5 major sections:

- Management and Administration
- Assignment and Termination
- Accounting
- Supply and Inspection
- Housekeeping

PERSONNEL:

Authorized 5 military, 5 appropriated fund and 32 nonappropriated fund (NAF) civilians; 7 additional personnel are assigned.

ACCOMPLISHMENTS:

Occupancy in the 520 bachelor officer quarters (BOQ) and 60 senior enlisted bachelor quarters (SEBQ) has increased to an annual average of 87.6 percent. This has been the result of extensive utilization programming and strict adherence to the directives regarding the issuance of certificates of nonavailability. Assignment policies have been altered to provide maximum utilization under existing training loads and personnel input.

Prime emphasis has been placed on the management of nonappropriated fund activities in the BOQ/SEBQ operation. The Billeting Fund suffered losses totalling \$5,495.00 for the first three months of this fiscal year. However, those operational losses have been fully recovered. This recovery effort involved an extensive review of NAF operations to determine which goods and services paid from NAF sources could be shifted to appropriated fund channels. Then source conversions were made so that nonappropriated funds are no longer used to provide goods and services that are available from appropriated fund sources. Also, NAF personnel changes were made to streamline the operation and maximize personnel utilization while minimizing payroll expenditures. This past August, a comprehensive revision of NAF accounting procedures was implemented. This revision reduced the administrative workload in the accounts maintenance section by approximately 33 percent.

A request for exception to policy has been prepared to obtain approval for a withdrawal of \$30,463.00 from the Nonappropriated Fund Centralized Investment Program. The Billeting Fund currently has \$55,320.78 on deposit in this program. If the withdrawal is authorized, the money will be used to fund a redecoration project for 6 common use areas within the BOQ. Five of the areas are used as recreation rooms for the occupants. The sixth area is the BOQ lobby where registration is conducted. All of these areas are poorly equipped, and it is virtually idle space; however, with the redecoration project, the areas will provide attractive and convenient facilities in which the occupants can enjoy their leisure hours.

We have also developed a plan for the implementation of AR 210-52, Transient Quarters. The plan calls for the diversion of 260 BOQ/SEBQ rooms to be used as VOQ/VEQ facilities. This proposal will leave a balance of 280 BOQ and 40 SEBQ rooms for the assignment of PCS personnel. In conjunction with this plan, billets will be provided for civilian personnel in TDY status.

Energy conservation has been closely scrutinized in the BOQ/SEBQ. Excessive exterior lighting was extinguished. Facilities Engineers have checked all water heating systems to insure that water temperatures are being monitored. Individual room thermostats have been recalibrated to maintain proper control efficiency. The activation of central air units has been restricted during seasonal changes to prevent the waste of energy during the temperate times of the year.

BUDGET SECTION

MISSION:

Implements program and budget guidance; develops and prepares housing budget to include minor construction, operation and maintenance, family and bachelor housing furnishings, and family and bachelor leased housing activities. Plans for long-range program requirements, including resource forecasting. Establishes program management guidelines and provides execution advice to housing manager. Develops current year financial plan; monitors utilization, and redistributes funds as necessary. Reviews fund requirements; justifies additional funds, and declares excess funds to higher headquarters. Prepares financial and workload data for required reports; maintains unit cost and cost per square foot comparisons; analyzes cost reports and performance data. Issues intra-Army orders for reimbursable service to support activities. Participates in Resources Conservation Program.

ORGANIZATION:

The Budget Section works directly under the Division Chief.

PERSONNEL:

Authorized 2 civilian personnel.

ACCOMPLISHMENTS:

Programed, monitored, and distributed FY 77 Housing funds in the following amounts:

BP 1910

Personnel costs	\$245,200
Utilities	\$1,039,200
Refuse, travel, and supplies	\$ 183,000
Sub-Total	\$1,467,400

BP 1920

Engineer In-house	\$ 747,700
Contract	679,800
Sub-Total	\$1,427,500

TOTAL \$2,894,900

AIRCRAFT LOGISTICS MANAGEMENT DIVISION

ACCOMPLISHMENTS:

Additional evaluation of aircraft cockpit lighting was conducted in support of the US Army Lighting Advisory Committee and the requirements to provide a field modification of Army aircraft to insure compatibility with the AN/PVS-5 Night Vision Goggles (NVG) and Night NOE training. Present plans call for conversion of the entire UH-1H fleet at Lowe AHP to the NVG/NOE configuration.

The oil debris monitoring program that was started in 1976 was continued through 1977. This test is being conducted in conjunction with the US Army Air Mobility Research and Development Laboratory, Fort Eustis, VA, and will determine if better filtration of lubricants would protect and thereby extend the service life of oil wetted components. The present test program will be expanded in 1978 to include improved transmission oil filters and a greatly improved burn-off chip detector system for both engines and transmissions.

The reliability testing of the twenty cell configuration of the BB433/A NICAD battery has proven to be quite successful. It is being continued with 30 batteries; however, the modification of more batteries to the twenty cell configuration has been suspended at the request of ECOM due to the availability and free issue of a new improved permion cell to replace all present cellophane coated cells in UH-1 aircraft. The new permion cell should provide almost complete protection against thermal runaway.

New crashworthy internal auxiliary fuel cells (300 gallon) were authorized and procured by US Army Troop Support and Aviation Materiel Readiness Command (TSARCOM) for Army-wide installation. Fort Rucker was given first priority for tanks to be installed in the instrument fleet. The plumbing provisions (minus tanks) will be installed in all assigned UH-1H aircraft at the rate of ten per month until all are equipped.

In conjunction with the US Army Air Mobility Research and Development Laboratory, Ft. Eustis, VA, an evaluation was made of a Structural Integrity Recording System (SIRS) which consists of a light recorder, data retrieval unit, and a Fatigue Damage Assessment Math Model. The installation was made on five TH-1G aircraft in August 1977 for a five month evaluation.

Low RPM Warning Fix: The testing and evaluation of a TSARCOM RPM warning control adapter which will actuate the low RPM warning audio horn only when a low audio signal is received from both the N² and rotor tachometer generators has been completed and proved to be quite successful. A favorable report was submitted to TSARCOM Engineering.

The reliability testing of skid type landing gear skid shoes and flexane filled cross tubes is a continuing effort. Six TSARCOM, BHC landing gear assemblies for the Cobra aircraft are still undergoing evaluation. The skid shoes have a superior wear surface.

In accordance with TRADOC direction, 960 lines of YC-7A repair parts and special tools with a value of approximately \$460,000 were transferred to Ft. Bragg, NC.

In accordance with TRADOC directive, 1,050 lines of T-41 repair parts with a value of approximately \$155,000 were transferred to Ft. Belvoir, VA, West Point Flying Detachment, and the Ft. Rucker DPDO.

Condensed contractor warehousing facilities from seven buildings in various locations on main post to four centrally located buildings.

Turned in 19 temporary supply trailers located at two major airfields and placed the repair parts in permanent buildings.

Updated contractor storage facilities with new bins and racks which has allowed for accurate condensed storage.

The Aircraft Logistics Management Division coordinated the transfer of 97 aircraft onto and away from Ft. Rucker during the calendar year. These transfers include aircraft reassignments to depots, National Guard and Reserve units, and other installations. They also include aircraft gains from depots and other installations. Primarily as a result of these transfers, the following changes in the US Army Aviation Center inventory occurred during 1977.

<u>ACFT</u>	<u>Asgd 31 Dec 76</u>	<u>Asgd 9 Dec 77</u>	<u>Change</u>
U-8	2	2	0
U-21	3	3	0
OV-1	6	5	-1
T-42	11	10	-1
YC-7A	2	0	-2
CH-47	11	13	+2
UH-1M	6	6	0
UH-1H	181	199	+18
OH-6	11	2	-9
CH-54	2	3	+1
OH-58	11	9	-2
TH-55	150	146	-4
TH-1G	13	13	0
AH-1S	<u>4</u>	<u>6</u>	<u>+2</u>
	413	417	+4

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. 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 eight 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

PERSONNEL:

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

ENGINEERING PLANS AND SERVICES DIVISION

ACCOMPLISHMENTS:

Contract for a major rehabilitation of the electrical distribution system was begun in 1976, and completion is scheduled for March 1978 at a cost of \$3,767,255. Contract for construction of an 18-chair dental clinic was begun in 1977 and is scheduled for completion in February 1978 at a cost of \$890,230. A new flight simulator building was begun in 1977. This facility is costing \$1,225,800 and is expected to be completed in August 1978. Project for construction of industrial waste treatment facilities on post and at various ranges and training areas was begun in 1977 and is scheduled for completion in June 1978 at a cost of \$467,864. Project for additional site work at the modular barracks in the 4900 block was begun in 1977. Work is expected to be completed in June 1978 and will cost \$148,393

During the period 1 January through 31 December 1977, 80 minor construction and maintenance/repair contracts costing \$3,501,467 were completed.

These are further enumerated as follows:

<u>TYPE</u>	<u>NUMBER</u>	<u>COST</u>
OMA	56	\$2,346,032
USAR	5	75,975
Class II	1	4,967
Family Housing	18	1,074,493
	TOTAL	\$3,501,467

Construction was a major activity at Fort Rucker. There was total of \$6,499,542 in MCA construction underway in 1977 and 80 OMA and minor construction projects completed at a cost of \$3,501,467 for a grand total of \$10,001,009.

ENVIRONMENTAL OFFICE

ACCOMPLISHMENTS:

Approximately 40 Environmental Impact Assessments were written by various activities at Fort Rucker. Included in these assessments were the granting of a license to the Alabama National Guard to train at Fort Rucker, introduction of the HELLFIRE missile into Fort Rucker's weaponry system, and leasing of ten acres to the city of Ozark for use as a sanitary landfill.

The draft Fort Rucker On-Going Mission Environmental Impact Statement (EIS) was completed. The EIS has been staffed through Fort Rucker and HQ TRADOC Agencies, and is presently at DA for review.

Construction begin in 1977 for the MCA project entitled "Industrial and Domestic Waste Treatment, WPC." When completed, Fort Rucker will be capable of operating in compliance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit that has been issued to Fort Rucker.

Funds in the amount of \$267,000 were provided Fort Rucker by higher headquarters in 1977, specifically earmarked for environmental use. The funds will be utilized for projects to correct existing and potential pollution problems, procurement of equipment to eliminate potential pollution, and a noise study to be conducted by the Construction Engineering Research Laboratory.

SUPPLY-STORAGE DIVISION

ACCOMPLISHMENTS:

Purchases through the Army stock fund system totaled \$1,994,721. During the third quarter, a change in procedures directed that supplies valued at \$85,000 be purchased out of direct consumer funds. The consolidation of these show that supplies valued at \$2,079,721 were purchased by the stock record account during the year.

BUILDINGS AND GROUNDS DIVISION

ACCOMPLISHMENTS:

Two hundred and seventy squares of built-up roofing were replaced by contract in the cantonment area and airfields in 1977.

Fort Rucker experienced a severe drought during the spring and early summer of 1977. Adverse effects on the post were: loss of 85 acres of corn planted for wildlife; receding water level on all lakes with a small fish kill on Buckhorn Lake; complete water loss in most streams; and severe stress placed on most hardwood and ornamental trees and shrubs. An infestation of army worms destroyed several wildlife fields planted in millet. USAAVNC Regulation 420-74, Natural Resources, Land, Forest, and Wildlife Management, was rewritten and updated by DFAE in coordination with several other activities on post. This regulation outlines the hunting and fishing rules for the installation. It was approved by the Commanding General, published, and released for distribution in October 1977.

Pine bark beetle activity continued until the spring of 1977 when there was an unexplained decline in activity. Southern pine bark beetle activity is not predictable. Secondary salvage of trees showing delayed damage caused by Hurricane Eloise is continuing.

Eight wooden structure bridges (two on Christian Road, one on Hatch Road, one on Johnson Road, one on Farrel Road, and three on Riff Road) were replaced with precast concrete and steel piling bridges at a total cost of \$614,799. Twenty-one Buildings and Grounds Division BMAR projects were validated at a total estimated cost of \$3,135,620.

FIRE PREVENTION AND PROTECTION

ACCOMPLISHMENTS:

The Fort Rucker Fire Department conducted 3,687 on-post fire inspections. They also responded to six mutual aid responses at the request of Elba, Ozark, Brundidge, Newton, and Daleville - an increase of two from last year.

Classes and demonstrations which emphasized actions to be taken in the event of fire and included prevention measure and use of fire extinguishers were attended by 6,703 personnel. Major emphasis was placed on fire prevention during Spring Clean-Up Week in March and National Fire Prevention Week in October.

Seventeen fires occurred during 1977. Army dollar loss resulting from these fires amounted to \$4,142 - a decrease of \$5,429 from last year. Two fires (both structural) were reported to higher headquarters.

A contract on test and inspection of a sprinkler system to include all systems on main post and basefields was expanded.

The Fire Department initiated a program which required contractors to obtain a hot work permit prior to the start of work. Upon completion of the work, the Fire Department must be notified to inspect the work site to insure that it is safe.

UTILITIES DIVISION

ACCOMPLISHMENTS:

The new facility to receive electrical energy at 110,000 volts is nearing completion. The new system will reduce the incoming voltage to 44,000 volts and distribute it to three load centers for distribution to using facilities. The new system should be in operation during the 2nd quarter, FY 78.

Invitations to bid have been sent out to provide a computerized "Energy Management Control System" for the utility systems on post. This system, which will cost approximately \$1,250,000 will reduce energy usage and manpower requirements. The system will be self-liquidating.

A new standby generator has been installed at the sewage plant. This unit will provide electrical power for the sewage plant during periods when commercial power is not available. This precludes dumping raw sewage into Claybank Creek, a violation of the EPA permit to discharge.

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. To assist the commander plans, directs, and controls the programming and budgeting, force development and manpower, management analysis and improvements, review and analysis, accounting and disbursing, and internal review responsibility of USAAVNC; provides a variety of financial and management services to assist in obtaining, managing, and controlling USAAVNC resources; develops and provides to higher headquarters cost analysis data as required; provides input to higher headquarters regarding the Foreign Military Sales Program; provides analyses to mission and program accomplishment and of resource availability and utilization as a basis for management decisions; manages the USAAVNC manpower program, to include preparation and maintenance of 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 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; and 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
- Office of the Comptroller
- Office of Force Development

PERSONNEL:

On 1 February 1977, administrative personnel of the Office of Comptroller and Office of Force Development (OFD) were consolidated under the direct control of the Director of DRM. Reassignment was approved on TDA WOU9AA, CCNUM TC 0477, effective 21 August 1977.

On 18 February 1977, COL George F. Powers, Director of DRM, was reassigned as Commander, 1st Aviation Brigade.

On 6 March 1977 - 11 July 1977, Mr. Danny L. Wright was appointed Acting Director, DRM.

On 11 July 1977, COL William F. Koehler was assigned as Director of DRM.

On 23 October 1977 - 16 December 1977, Mr. Danny L. Wright was assigned as Acting Director of DRM.

ACCOMPLISHMENTS:

Conferences, seminars/schools:

From 11 July 1977 - 5 August 1977, Mr. Danny L. Wright, Deputy Director, attended the Defense Management Systems Course (JT) conducted by the Naval Post Graduate School, Monterey, California.

On 11 August 1977, COL William F. Koehler, Director, along with Mr. George H. Broxson, Jr., Budget Officer, and Mr. Walter E. Akridge, Cost Analyst, attended the TRADOC Resource Management Study Meeting at Fort Monroe, Virginia.

On 3 October 1977, Col William F. Koehler, Director, attended the TRADOC FY 78 Installation Contract Meeting at Fort Monroe, Virginia.

From 23 October 1977 - 16 December 1977, COL William F. Koehler, Director, attended the Professional Military Comptroller School, Maxwell Air Force Base (AFB), Montgomery, Alabama.

On 1 November 1977, Mr. Danny L. Wright, Acting Director, attended the TRADOC Resource Management Conference at Fort Monroe, Virginia.

OFFICE OF THE COMPTROLLER

MISSION:

Serves as the financial advisor to the DRM and to the installation Program Resource Advisory Committee (PRAC) for overall management and financial matters; Command Liaison Officer for onpost banking facilities; project officer for US Army General Accounting Office (USGAO), Office of the Secretary of Defense (OSD), US Army Audit Agency (USAAA), and commercial review and audit teams; and Comptroller for tenant activities. To assist the DRM, determines and obtains financial resources required to accomplish the command's mission; provides analyses of mission and program accomplishment and/or resource availability and utilization as a basis for management decisions; develops and maintains effective financial and management controls, systems, and procedures to safeguard and achieve optimum use of resources; provides management analyses on organizations and management systems as a basis for improving management systems within the command. Exercises direct supervision over budgeting and funding activities, cost analyses, financial services, accounting and disbursing, internal review, and automatic data systems audit procedures. Exercises staff supervision over NAFCAB.

ORGANIZATION:

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

- Internal Review Division
- Program and Budget Division
- Finance and Accounting Division

PERSONNEL:

On 9 January 1977, Mr. Joe Pouncey was appointed Chief, Disbursing Branch, Finance and Accounting Division.

On 2 March 1977, 1LT John R. Blalock was assigned to the Finance and Accounting Division.

On 4 March 1977, Ms. Elizabeth Nelson, Accounting Branch, Finance and Accounting Division, retired.

On 1 April 1977, Ms. Daisy Paulk, Travel Section, Finance and Accounting Division, retired.

On 11 April 1977, Mr. James H. Woodard was assigned to Cost Analysis as a TRADOC Accounting Intern.

On 2 May 1977, CPT Virginia Stephens, Chief, Pay and Examination Branch, Finance and Accounting Division, was reassigned to Management Analysis Division, OFD.

On 2 May 1977, CPT Milton K. Allen was assigned as Chief, Pay and Examination Branch, Finance and Accounting Division.

On 6 May 1977, MSG George J. Law, Supervisor, Military Pay Section, Finance and Accounting Division, departed.

On 15 May 1977, Mr. Larry H. Redden was assigned to Internal Review Division as a TRADOC Auditor Intern.

On 6 June 1977, Mr. Edgar H. Dodson, Auditor, Internal Review Division, transferred to Fort Monroe, Virginia.

On 26 June 1977, Mr. William Peacock was appointed Chief, Civilian Pay Section, Finance and Accounting Division.

On 1 July 1977, Mr. Donald E. Wilson was appointed Special Disbursing Agent (Finance and Accounting Officer).

On 8 July 1977, CPT Jack B. Quick, Cost Analysis, departed.

On 11 July 1977, Mr. Bob Cole, Chief, Civilian Pay Section, Finance and Accounting Division, retired.

On 17 July 1977, MAJ Ram M. Sarda, Finance and Accounting Officer, departed.

On 21 August 1977, Mr. Bobby D. Tindell, Budget Analyst, Program and Budget Division, transferred to the US Army Aviation Board.

On 29 August 1977, SGM Clyde H. Hodges, Operations NCO, Finance and Accounting Division, departed.

From 1 September 1977 - 18 December 1977, SFC Robert E. Wayson was assigned as Acting Operations NCO, Finance and Accounting Division.

On 1 September 1977, MAJ Barry G. Poole, was assigned as Finance and Accounting Officer.

On 6 September 1977, Mr. Luther W. Drennan, was assigned as an Auditor, Internal Review Division.

On 1 October 1977, 1LT John R. Blalock, Finance and Accounting Division was reassigned to the Morale Support Fund, Directorate of Personnel and Community Activities (DPCA)/ Secretary.

On 19 December 1977, SGM Joel D.F. Faulk was assigned as Operations NCO, Finance and Accounting Division.

ACCOMPLISHMENTS:

Installation Accountant.

From 14 April 1977 - 19 April 1977, program directors and fund control personnel were given comprehensive briefings on decentralized fund control.

Policies and procedures for effective management and control of accounting documents were published as USAAVNC Regulation 37-3, 18 July 1977.

Detailed procedures for FY 77 Closeout were published as USAAVNC Circular 37-3, 1 August 1977.

Cost Analysis. The cost analysis function, which is responsible for developing and accomplishing the TRADOC Cost Analysis Program at USAAVNC, was instrumental in providing resource estimates for some important studies involving not only Fort Rucker, but also DA as a whole.

Cost Analysis Reports:

The Course Budgetary Analysis Report, RCS ATTNG-272, which reflects detailed course training costs on a functional basis was furnished TRADOC on 14 April 1977. These detailed course costs are presented to Congress as required by Public Law 604. The Command Analysis of operation and maintenance, Army (OMA) Funding Report, RCS CSCAB-306, which reflects expenses incurred, workload accomplished, and manpower utilized by specific account for FY 77 was furnished to TRADOC on 7 December 1977, and the Military Occupational Specialty Training Costs Report, RCS ATRM-159, which reflects expenses incurred by activity (direct and reimbursable), workload accomplished by course of instruction and manpower utilized by courses of instruction receiving support was provided to TRADOC on 7 December 1977. The last two reports are used in preparation of the cost per student for each course taught at USAAVNC. While TRADOC prepares the course cost feeder data from the above reports, USAAVNC cost analysis personnel provide additional information telephonically to refine the proration of overhead costs to the individual courses of instruction.

Studies:

Army Aviation Training Study. Although DA gave concept approval to the 175/40 (Dual Track) Initial Entry Rotary Wing Course (IERW), Aviator Refresher Course and the Aviation Commanders Readiness Course, specific methods of accomplishment were not approved until 21 January 1977. All courses approved as a result of the Army Aviation Training Study have been implemented, and the first 175/40 IERW class is due to graduate on 3 March 1978. The contracting-out of additional flight instruction in certain fixed wing and rotary wing courses was approved by higher headquarters on 15 June 1977, and the Doss Aviation, Incorporated flight instruction contract was amended to add the new courses of instruction on 16 June 1977. Contracting-out of flight instruction for additional fixed and rotary wing courses was accomplished as being cost beneficial to USAAVNC and the US Government.

Consolidation of Undergraduate Helicopter Pilot Training (UHPT). USAAVNC staff prepared a detailed resource package for consolidation of UHPT at Fort Rucker, Alabama, which was provided Department of Defense (DOD) on 8 December 1976 for finalization and presentation to Congress. Congressional hearings were held by the House of Representatives Appropriations Subcommittee during June 1977 - July 1977. USAAVNC cost analysis personnel provided DOD inserts for the Congressional Record as unanswered questions arose. Consolidation of UHPT was approved by the House, but defeated in the Senate for accomplishment during FY 78.

Cost Analysis of Simulator Use vs the Use of an Aircraft. Cost Analysis developed a study to determine the costs of one hour of simulator use compared to one hour of the actual aircraft operating costs to be used in evaluating various training proposals promoted by USAAVNC Training Departments and Training Developments. The report was disseminated to the USAAVNC departments for their local use.

Conferences/Symposiums attended:

From 17 January 1977 - 11 March 1977, LTC Paul Bozeman, Comptroller, attended the Professional Military Comptrollership Course, Maxwell AFB, Montgomery, Alabama.

On 2 August 1977, LTC Paul Bozeman, Comptroller, visited HQ TRADOC to attend a working conference on budgetary matters.

On 20 March 1977 - 24 March 1977, Mr. Francis L. Schlager, Systems Accountant, attended Standard Army Intermediate Level System functional training conducted by TRADOC at Fort Benning, Georgia.

On 12 September 1977 - 15 September 1977, Mr. Francis L. Schlager, Systems Accountant, participated in the test of Standard Finance System Systems Change Package Number 17 at Fort McPherson, Georgia.

INTERNAL REVIEW DIVISION

ACCOMPLISHMENTS:

Audits and Visits by the USAAA:

Audit of Management of Undergraduate Pilot Training, Report No. EC 77-805. During period 1 February 1977 - 4 February 1977, USAAA performed a review of the Synthetic Flight Training System requirements at Fort Rucker. The review was made in conjunction with a recommendation contained in USAAA Report No. EC 77-805 as requested by DA, Deputy Chief of Staff for Operations and Plans.

Audit of Supply and Maintenance Activities, Report No. SO 77-9. The audit was initiated on 28 July 1976, and the final report was dated 22 August 1977. The report contained nine findings and recommendations. A formal installation reply to the findings and recommendations was required.

Audit of Troop Subsistence. The audit was initiated on 5 July 1977. The final report had not been received from USAAA as of 31 December 1977. Command received three tentative findings and recommendations in connection with the audit.

Audit of Synthetic Flight Training System, UH-1 Flight Simulator (UH-1FS), Report No. HQ 77-401. The audit was initiated on 1 February 1977, and the final report was dated 17 February 1977. Response to the report was made directly to HQDA (DAMO-AZ), ATTN: DAMO-RQZ, Washington, DC 20310, on 29 March 1977.

Cost Analysis Activities (AR 235-5). USAAA audited six cost analyses prepared by this headquarters during 1977. Cost analyses are prepared to determine the most economical method of performance (in-house or by contract) of function. Cost analyses of the following functional areas were audited by USAAA during 1977:

<u>AREA</u>	<u>REPORT NO</u>	<u>REPORT DATE</u>
Fire Prevention and Protection	SO 77-624	29 March 1977
Alteration of Wearing Apparel	SO 77-625	1 April 1977
Fixed Wing Flight Instruction	SO 77-626	13 April 1977
Maintenance of Motor Vehicles	SO 77-627	28 April 1977
Maintenance on Noncombat Vehicles	SO 77-629	28 April 1977
Food Services	SO 77-641	2 June 1977

Reviews and Surveys by USGAO:

Survey of US Military Loans and Leases of Defense Articles to Foreign Countries. A request (TRADOC message, ATNG-PRD-S, 091624Z Mar 77, subject: GAO Survey of Army Loans/Leases (S-18 Mar 77)) for information regarding defense articles Fort Rucker had on loan or lease to foreign countries as of 18 March 1977 was received 14 March 1977. A negative report (USAAVNC message, ATZQ-RM-CM-IR, 181350Z Mar 77, subject: GAO Survey of Army Loans/Leases (S-18 Mar 77)) was forwarded to TRADOC on 18 March 1977.

Administration of Skill Training Program. A request was received from TRADOC on 23 May 1977 (TRADOC message, ATRM-IR&ACO, 192018Z May 77, subject: GAO Study, Administration of Skill Training Program (S-8 Jun 77)) for this installation to provide information concerning skill training courses taught at Fort Rucker during FY 76. The information was to be furnished to USGAO for use in their study of the administration of the skill training program. The information was transmitted to TRADOC by USAAVNC message, ATZQ-RM-CM-IR, 031530Z Jun 77, subject: GAO Study Administration of Skill Training Program (S-8 Jun 77) on 8 June 1977.

Congressional Inquiry Regarding the Possible Downgrading of Civilian Instructors at Fort Rucker (USGAO Assignment Code 962097 - Review of Administration of Skill Training Program). During the period 6 July 1977 - 7 July 1977, USGAO conducted a followup on a Congressional inquiry regarding the reorganization of the Training Department under School Model 76 and its impact on possible downgrading of civilian employees. A report was not issued to Fort Rucker; however, USGAO indicated that a letter report would be issued to each member of Congress who made inquiry regarding the possible downgrading of instructors at Fort Rucker.

Congressional Visits:

Mr. Frank T. Lyons and Mr. Lewis D. Rinker, Survey and Investigation Staff, House Appropriation Committee, Washington, DC, visited Fort Rucker during the period 15 February 1977 - 16 February 1977. The general purpose of the visit was to develop increased familiarity and knowledge of the Army's flight simulator program.

The Honorable William L. Dickenson, US Congressman, Alabama, visited Fort Rucker on 6 July 1977. The general purpose of the visit was to discuss the rerouting of Highway 27 and the long range plans at Fort Rucker.

Other Visits:

Mr. Franz Kretzmann, Mr. Steve Tolliver, Mr. Gene Ebner, and Mr. Greg Carter, Office of Management and Budget (OMB), Washington, DC, visited Fort Rucker during the period 21 March 1977 - 25 March 1977. The general purpose of the visit was to discuss and observe individual and unit training at Fort Rucker. LTC James L. Tedrick served as TRADOC escort for OMB visitors. A report was not issued to Fort Rucker.

Mr. E.A. Rogner, Mr. A. Conti, and Mr. K. Peterson, OSD, Washington, DC, visited Fort Rucker during the period 23 March 1977 - 25 March 1977. The general purpose of the visit was to discuss aviation training. A report was not issued to Fort Rucker.

Mr. Robert Moss, Troop Support Agency (TSA), visited the Fort Rucker Commissary during the period 7 February 1977 - 16 February 1977. The purpose of the visit was to conduct a review of the Fort Rucker Commissary. A report was issued through the TSA Field Office to the Fort Rucker Commissary.

Mr. Cheney of the Internal Review Element, US Army Medical Research and Development Command, Washington, DC, visited the US Army Aeromedical Research Laboratory (USAARL) at Fort Rucker during the period 28 February 1977 - 4 March 1977. The visit was internal to USAARL. A report was not issued to Fort Rucker.

Mr. H.T. Budoff, TRADOC, visited Fort Rucker during the period 10 January 1977 - 14 January 1977. The general purpose of the visit was to determine if adequate corrective action had been taken by the installation on recommendations contained in the USAAA Report SO 76-5, Management of Aviation Training. A report was not issued to Fort Rucker.

Mr. Prawess Scriprach, Accountant, Bank of Thailand, Mr. Macario G. Sevilla, Secretary to the Commission on Audit Republic of Philippines, Ms. Filomena N. Cantoria, Consultant, Commission on Audit, Republic of Philippines, and Ms. Lucita C. Adres, Chief, Supervising Auditor, Performance Audit Office, Republic of Philippines, visited Fort Rucker during the period 4 October 1977 - 5 October 1977. The general purpose of the visit was to discuss the USAAVNC audit and accounting procedures.

Conferences and training courses attended:

On 19 January 1977 - 24 February 1977, Mr. Woodrow J. Farrington attended the Military Comptrollership Course at Fort Benjamin Harrison, Indiana.

On 3 April 1977 - 4 May 1977, Mr. Edgar H. Dodson attended the Military Accounting Course at Fort Benjamin Harrison, Indiana.

On 20 June 1977 - 24 June 1977, Mr. Kenneth D. Barrett attended the Supervisory Auditor Course at Fort Benjamin Harrison, Indiana.

On 14 July 1977 - 17 August 1977, Mr. Roy B. Ward attended the Military Comptrollership Course at Fort Benjamin Harrison, Indiana.

On 26 September 1977 - 27 October 1977, Mr. Larry H. Redden (TRADOC Intern) attended the Military Accounting Course at Fort Benjamin Harrison, Indiana.

On 4 October 1977 - 4 November 1977, Mr. John L. Kirk attended the Military Comptrollership Course at Fort Benjamin Harrison, Indiana.

On 17 October 1977 - 21 October 1977, Mr. Kenneth D. Barrett attended the Internal Review Conference at TRADOC.

PROGRAM AND BUDGET DIVISION

ACCOMPLISHMENTS:

Budget Execution Review (BER) - In late February and early March 1977, this office prepared and submitted its FY 77 BER. The BER is a major mid-year procedure used by HQDA to adjust priorities, programs and funds of major commands and installations within fund availability. The BER is a means of measuring accomplishment toward goals and serves as a vehicle for the improvement of the programing/budgeting process.

Command Operating Budget Estimate (COBE) - In early June 1977, the Program and Budget Division developed and transmitted to major commands its FY 78/79 COBE. The COBE is a major comprehensive budget report prepared by installations and major commands and contains their detailed operating programs. The COBE provides data to support the Army's apportionment requests and is the basis for developing Annual Funding Programs.

Zero Base Budget (ZBB) Submission - In early June 1977, this office submitted its FY 78/79 Zero Base Command Operating Budget Estimate. Development of the FY 78/79 ZBB focused on specific decision units within the base operations area in the OMA and operation and maintenance, Army Reserve (OMAR) appropriations. Decision packages were independently prepared within stated appropriation minimum and maximum levels, i.e., minimum, current, and improved levels of operation. Each decision package was a prioritized compilation of line items that made up the decrement/increment packages and was accompanied by a brief justification of why each particular line was in the base program or what improved capability would be gained from its inclusion in the increment package. Experience gained from this submission indicates that when first developing zero base procedures and data base, it is extremely important that we not become overly ambitious. Developing too much data at too low an organizational level can be potentially fatal to the process. The amount of time and paperwork involved in preparing a ZBB appears to increase geometrically. ZBB is a tool that many feel affords management various and more meaningful alternatives upon which their decisions may be based. Experience gained from this ZBB reveals the need for an extended timeframe to prepare a ZBB submission and an increase in staffing at all levels of command to meet the increased workload. Future budget submissions may be entirely zero based.

FY 77 Budget Actions:

Austere funding conditions continued in effect throughout FY 77. Continuous efforts were expended to obtain necessary funds for support of FY 77 operations. FY 77 funding requirements stated in the FY 77 BER were:

<u>SOURCE</u>	<u>AMOUNT</u>
TRADOC OMA	\$92,595,500
TRADOC FHMA	3,371,700
FORSCOM OMAR	1,176,100
FORSCOM OMA	1,064,100

FY 78 Budget Actions:

The FY 78 Draft Installation Budget Contract was transmitted to HQ TRADOC 28 October 1977 and considered a total OMA obligation authority of \$98,803,600. 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.

As of 30 Dec 77 the TRADOC Installation Contract had not been signed. The purpose of the contract is to outline objectives to be accomplished within available resources. FY 78 resources made available by the Draft Installation Contract are:

<u>APPROPRIATION</u>	<u>TRADOC</u>	<u>FORSCOM^{1/}</u>
OMA	\$98,803,600	\$996,900
FHMA	2,882,900	-0-
OMAR	-0-	869,500
OMARNG	-0-	24,000
RPA	85,000	-0-
RDTE	1,344,600	-0-
ASF	26,610,000	-0-

^{1/} US Army Forces Command (FORSCOM) did not sign a Contract/Commander's Resource Agreement for FY 78. Above figures were derived from Fund Authorization Documents.

The FY 78 training load furnished in the Budget and Manpower Guidance includes the Interservice Consolidation of Undergraduate Helicopter Pilot Training. Student input comparison of FY 77 and FY 78, as stated in the FY 78/79 COBE is shown below.

<u>STUDENT</u>	<u>FY 77</u>	<u>FY 78</u>	<u>CHANGE</u>
Flight	(2,470)	(4,089)	(+1,619)
Undergraduate	773	1,802	+1,029
Graduate	1,697	2,287	+ 590
Nonflight	4,744	5,467	+ 723
Total	7,214	9,556	+2,342

The FY 78/79 COBE was furnished TRADOC and FORSCOM in June 1977 and included a ZBB submission for specified base operation functions. The FY 78/79 COBE considered fund requirements as follows:

	<u>OMA FUND</u> <u>REQUIREMENTS</u>	<u>OMAR FUND</u> <u>REQUIREMENTS</u>	<u>FHMA FUND</u> <u>REQUIREMENTS</u>
TRADOC	\$129,628,400	\$ -0-	\$3,179,500
FORSCOM	1,004,000	1,195,600	-0-

Conferences attended:

From 3 August 1977 - 5 August 1977, Ms. James, Budget Analyst, attended a Stock Fund Seminar at Fort Monroe, Virginia. Topics of discussion included Stock Fund Management Problems, Accounting Problems and Budget Preparation.



PROGRAM AND BUDGET DIVISION STAFF ARE PICTURED FROM LEFT TO RIGHT: LUCILE ALDRIDGE, BILLY STANFORD, MADGE JONES, JERRY LINDSEY, GEORGE BROXSON, JR. (CHIEF), GLORIA HARPER, BETTIE JAMES AND JIM EVANS.

FINANCE AND ACCOUNTING DIVISION

ACCOMPLISHMENTS:

The JUMPS-Army reject rate for 1977 averaged 1.10% per month. Late pay change input during the year averaged 5.2% of automated items input into the JUMPS-Army system. Late pay changes were computed on a base of 23,401 automated items out of 159,879 total pay changes input during the year.

A Class B Agent office was operated at Camp Shelby, Mississippi, during the period May 1977 - August 1977. During this time, approximately 28,921 payments in the amount of approximately \$9,220,000 were made to Army Reserve and National Guard personnel.

Christmas partial payments were made to 258 military personnel in the amount of \$548,254.

Disbursements of \$224,549,216.54 and collections of \$68,222,528.12 were made during 1977, an average daily business of \$1,166,421.29.

The Finance and Accounting Office conducted a savings bond drive during May 1977.

FY 77 Closeout was accomplished in October 1977 with no difficulties encountered.

Average monthly workloads accomplished included 3,573 travel vouchers processed; 6,237 Personal Financial Records maintained; 32,918 cash payments, collections, checks and bonds; 6,237 commercial invoices processed; 2,928 civilian personnel paid; and 13,823 military pay changes.

Reviews of finance and accounting operation:

The TRADOC Finance and Accounting Surveillance Team conducted a review of the USAAVNC finance and accounting operations during the period 22 August 1977 - 26 August 1977. No formal report was received.

The DA Accounting Assistance Team from US Army Finance and Accounting Center (USAFAC) conducted a review of the USAAVNC finance and accounting operations during the period 7 November 1977 - 11 November 1977. No formal report was received.

Nonappropriated Fund Central Accounting Branch.

Effective 1 July 1977, the Nonappropriated Fund Central Accounting Office (NAFCAO) was designated as the Nonappropriated Fund Central Accounting Branch (NAFCAB), Finance and Accounting Division, in compliance with DA message, ATRM-FAP, 152059Z Jun 77, subject: Recognition of the Central Accounting Division.

The NAFCAB completed a project assisting the USAFAC in the development of a Standard Army Nonappropriated Fund Accounting System during 1977. The system was partially implemented locally during developmental efforts. Official conversion to the standard system will take place during the 2d quarter, FY 78.

Total NAFCAB operating expenses averaged \$18,258 per month during 1977..

OFFICE OF FORCE DEVELOPMENT

ORGANIZATION:

The Office of Force Development (OFD) is responsible for manpower, equipment, and force structure management; review and analysis; management analyses; statistical reporting; and organization structure. Functional responsibilities are to develop and manage the USAAVNC manpower program, determine and obtain manpower resources required for current and projected missions, program manpower resources to applicable accounting levels for

budget and related actions, and control civilian hire program; prepare and maintain TDAs/MTOEs, direct and accomplish the ITAADS, process the Basis of Issue Plans, and supervise the preparation of data for the TRM; plan and conduct manpower, equipment, and organization surveys/studies and system analysis in areas relating to organization and resource utilization; prepare and maintain USAAVNC Regulation 10-1 (Organization and Functions Manual); serve as the manpower advisor to the installation PRAC; administer the Quick Return on Investment Program and Management Information Control system, manage the TRAMIS, and conduct the Commander's Performance Summary (Review and Analysis).

PERSONNEL:

On 23 January 1977, Helen W. Morgan was converted from temporary to permanent appointment as Data Transcriber, GS-356-03, Management Analysis Division.

On 23 January 1977, William G. Parsons, Installation Reports Control Officer, Management Analysis Division, transferred to Intelligence Division, DPCA/Secy.

On 23 January 1977, Ms. Jeanette H. Carr, Management Analysis Division, was appointed as Installation Reports Control Officer.

On 14 March 1977, LTC Charles L. Woodhurst was assigned as Chief, OFD.

On 15 April 1977, MAJ Marquis G. Howell was assigned as Special Assistant to the Chief of Staff.

On 15 April 1977, Mr. Charles L. Meadows was detailed to Management Analysis Division. He was permanently assigned to the division on 5 June 1977.

On 30 April 1977, Mr. Howard C. Hoeffler, Management Analyst, Management Analysis Division, retired.

On 2 May 1977, CPT Virginia C. Stephens was reassigned to Management Analysis Division from Finance and Accounting Division. She resigned from military service effective 31 May 1977.

On 27 June 1977, Ms. Edith W. Stark was assigned as Management Analyst Intern, Management Analysis Division.

On 5 October 1977, Ms. Anne E. Tedrick, TRADOC Management Analyst Intern, Manpower Division, resigned.

ACCOMPLISHMENTS:

Conferences and training courses attended:

On 8 April 1977 - 3 May 1977, LTC Charles L. Woodhurst attended the Army Installation Management Course, Fort Lee, Virginia.

On 5 December 1977 - 6 December 1977, LTC Charles L. Woodhurst accompanied by Mr. Benjamin H. Zorn, Management Analysis Division, attended the TRAMIS Conference at Fort Leavenworth, Kansas.

MANPOWER DIVISION

ACCOMPLISHMENTS:

TRADOC Review of Manpower (TRM) - TRADOC has the mission to train and educate the entire Army. DA develops projected training loads for the current fiscal year (FY) and three successive fiscal years. DA disseminates these projections in the quarterly Army

Programs for Individual Training (ARPRINT) report. The ARPRINT provides programed input by course for all TRADOC school courses and programed trainee input for all Army training centers. The TRM, formerly the Training Base Review (TBR), repostures the Army school systems to support the programed fiscal year workload resulting from DA projections. Through the TRM process, each installation/school/center must develop and justify annual manpower and equipment requirements needed to train the assigned total programed student input/load. The Manpower Division participated in one TRM in 1977. During the period 25 August 1977 - 29 August 1977, manpower and equipment requirements were validated for FY 79 and updated for FY 78. Formal documentation of the adjustments resulting from this TRM was accomplished to finalize this action.

US Army Aviation Training Study:

Starting with a questionnaire to Army aviators and an intensive study of the present methods of training aviators, the US Army Aviation Training Study Group was formed to develop the optimum aviation training possible within resource constraints. Continuing work from 1975 and 1976, the Study Group formulated, resourced, evaluated, and revised alternatives to arrive at the optimum mix of aviation training to best meet the Army's needs in the late 1970's and 1980's. TRADOC and DA accepted a majority of the Study Group findings/recommendations. Implementation was accomplished on a phase-in basis in 1977.

1st Aviation Brigade (Augmentation):

On 7 February 1977, TRADOC forwarded HQDA approval to redesignate the USAAVNC Troop Brigade as the 1st Aviation Brigade (HHC Augmentation). Prior to this approval, the 1st Aviation Brigade was assigned to Fort Rucker at zero strength. Due to the exceptional historical lineage of this unit and the esprit de corps Army aviators associated with this unit, the only Army aviation brigade in the history of aviation, the project to redesignate the USAAVNC Troop Brigade as the 1st Aviation Brigade began in 1976. The redesignation would keep the traditions, history, and colors of the 1st Aviation Brigade alive and restore the 1st Aviation Brigade to active participation in the Army aviation mission. The redesignation was accomplished provisionally on 18 February 1977 and officially on 2 July 1977.

Civilian Reduction Plans:

As a result of civilian manpower reductions directed by Congress and apportioned by OSD and DA, TRADOC was assessed both a FY 77 and a FY 78 civilian manpower reduction. The FY 77 reduction was received from TRADOC on 31 March 1977. The reduction consisted of TRADOC-directed actions, TRADOC-identified functional areas with strong potential for management reductions, and the remaining reduction at the discretion of the installation commander. The FY 78 reduction was received from TRADOC on 3 October 1977. This reduction also consisted of functional area elimination/curtailment guidance with the remaining reduction at the discretion of the installation commander. In both reductions the Manpower Division prepared reduction proposals according to TRADOC guidance with the intent of meeting the reductions with the least possible impact on the USAAVNC and in as fair a manner as possible. The proposals were submitted to the Commander. A series of meetings was held by the Commander with all activities before approval of the final reductions.

Restructure of Program 8:

The restructure of Program 8 is one of several ongoing actions designed to provide proper resource accountability and visibility for the diverse TRADOC missions. It is designed to enhance the delineation of functions and responsibilities brought about by School Model 76. Though it is programed to be fully implemented in FY 78, TRADOC-funded installations were required to convert budget/manpower data on FY 77 Budget Contract to the proposed new structure. After conversion of the FY 77 Budget Contract, the Manpower

Division and USAAVNC activities continued to refine and reprogram resources in full implementation of the restructured Program 8 in FY 78.

Control of Augmentation Requirements:

USAAVNC Regulation 310-4, 21 April 1975, and TRADOC Regulation 614-1 provides augmentation policy, guidance, and procedures for use in controlling special duty and other similar personnel assignments. TRADOC guidance also requires the documentation and command approval of military augmentation positions along with the conduct of a quarterly review to implement required adjustments. An augmentation requirement is a military position which must be manned in a garrison/peacetime environment but cannot be authorized on a formal TDA because of manpower limitations. A series of four review boards chaired by the Deputy Commanding General was held to review and prioritize TDA augmentation requirement submissions. Two-hundred and fourteen (57 Officer, 4 Warrant Officer, and 152 Enlisted) requests for augmentation requirements were reviewed by the review board with 152 (54 Officer, 4 Warrant Officer, and 94 Enlisted) augmentation positions approved and documented.

Conferences attended:

On 23 March 1977, Mr. Howell L. Flowers, Chief, Manpower Division, accompanied by Mr. Walter E. Akridge, Cost Analyst, attended the Commercial Industrial-Type Function Study Group Meeting at Fort Monroe, Virginia.

On 25 August 1977 - 29 August 1977, Mr. Howell L. Flowers, accompanied by Ms. Jeanette Price, Management Analyst, attended Phase II of the TRADOC Review of Manpower Joint Analysis Conference at Fort Monroe, Virginia.

MANAGEMENT ANALYSIS DIVISION

ACCOMPLISHMENTS:

Principal management studies conducted in 1977:

Requisitioning, Stocking, and Issuing of Training Literature (Directorate of Training and Adjutant General Division, DPCA).

Review of Training Development Staffing Factors (Directorate of Training Developments).

DRM Administrative Structure/Requirements.

Manpower Evaluation of Adjutant General Functions.

Word Processing Study of Adjutant General Division.

Instrument Aviator Qualification Office and Flight Records Branch, Department of Resident Training Management.

Supply and Services Branch, Directorate of Industrial Operations (DIO).

Aviation Management Information System.

Range Branch (Training Ammunition Function), Department of Resident Training Management.

Consolidation of Directorate of Facilities Engineering Organizational Maintenance with DIO Maintenance.

Word Processing Study of Department of Academic Training.

Conferences and training courses/seminars attended:

On 7 June 1977 - 9 June 1977, Mr. Benjamin H. Zorn attended a Data Processing Field Office Users Conference at Fort Leavenworth, Kansas.

On 30 August 1977 - 1 September 1977, Mr. Harry G. Howell attended Correlation and Regression Analysis Course at US Civil Service Commission Regional Training Center, Atlanta, Georgia.

On 13 September 1977 - 15 September 1977, Mr. Harry G. Howell attended Management of Time Course at US Civil Service Commission Regional Training Center, Atlanta, Georgia.

On 18 October 1977 - 20 October 1977, Mr. Clark K. Davis attended International Word Processing Symposium in Atlanta, Georgia.

On 14 November 1977 - 18 November 1977, Ms. Edith W. Stark attended Leadership and Management Development Course conducted by Fort Rucker Organizational Effectiveness/ Human Relations Division.

On 28 November 1977 - 8 December 1977, Ms. Edith W. Stark attended Financial Management Course for Comptroller Interns at US Army Institute of Administration, Fort Benjamin Harrison, Indiana.

MANAGEMENT INFORMATION SYSTEMS OFFICE

MISSION:

The Management Information Systems Office (MISO) is responsible for the combined duties of staff advisor to the Commander on all information systems and operation of the consolidated Data Processing Installation (DPI) for Fort Rucker, Alabama.

PERSONNEL:

LTC John R. Griffin, Chief of MISO since February 1971, retired from active military service effective 30 September 1977. LTC Griffin played a major role in achieving the present automatic data processing (ADP) operation at Fort Rucker. During his tenure, four separate data processing installations were consolidated into the current single MISO facility. Not only were large cost savings realized, but also more efficient and responsive ADP support resulted. His leadership, dedication, and knowledge of ADP will be sorely missed.

Mr. Rex Thompson, Deputy MISO, has been designated as Acting Chief, pending arrival of the new MISO. MAJ Richard W. Jordan is scheduled to assume the duties of Chief, MISO, effective 8 January 1978.

ACCOMPLISHMENTS:

A Computer Output Microform (COM) system was installed in MISO in April 1977. Several ADP applications have been converted from hardcopy output to microfiche. These systems include Standard Army Finance Systems (STANFINS), Aviation Management Information System (AVMIS), Base Operating Information System (BASOPS), logistical, and others. It is anticipated that significant savings in paper cost can be realized when the COM concept is fully implemented.

Saturation of the two IBM 360/50 computer systems operated by MISO precluded implementation of Standard Army Intermediate Level System (SAILS) in March 1977 as previously scheduled. DA/TRADOC has approved installation of a third computer, IBM 360/40, to cope with the SAILS workload. The equipment will be installed in late 1977, and SAILS will be implemented approximately March 1978.

Storage of bulk ADP supplies has created problems in the past due to improper environmental controls and physical location of the supply warehouse. Approval has been granted by TRADOC to lease a storage facility in close proximity to the MISO site. This action will allow better storage conditions for ADP supplies, and the new building will be extremely convenient.

ADP security has been enhanced by installation of a locking system on entrances to the restricted areas of MISO. This system will provide improved control of access to such areas.

SYSTEMS ANALYSIS AND PROGRAMING BRANCH

Completed actions related to the conversion of nonappropriated fund support systems from CDC 3300 to system IBM 360 were submitted to Finance and Accounting Center, Fort Benjamin Harrison, Indiana, in April 1977. The Mutual Data, Fixed Assets Accounts Receivable and portions of the Inventory Sub-Systems were implemented for interim use pending release of standard systems. US Army Computer Systems Command has assumed responsibility of the converted systems and will extend them to all installations in early 1978.

The Standard FORSCOM/TRADOC Housing Information Management System (HIMS) was implemented in June 1977. The system is designed to provide the command with the ability to process data necessary to determine assignments and utilization of housing facilities and maintain current waiting lists.

The DA DCSPER Standard Civilian Personnel Management Information System (SCIPMIS) was implemented in June 1977. The system is designed to facilitate the Army wide standardization of automated support to the civilian personnel function with retrieval capability from an installation level data base to support management information requirements.

An interim version of the FORSCOM/TRADOC Organizational Effectiveness (OE) Survey Data Processing System was implemented in October 1977. This system supports the Army's organizational effectiveness and development efforts by providing the OESO with statistical data to satisfy specific organizational requirements.

All local systems were maintained and changes to DA/MACOM and Health Services Command Systems were implemented as directed. Standard system maintenance included the reporting of 75 incident and/or system change requests and the implementation of 163 System Change - Emergency/Urgent Change Packages.

AVIATION SYSTEMS DEVELOPMENT BRANCH

Extension of the Aviation Management Information System (AVMIS) is continuing primarily in a refinement mode. Reports are being converted from printouts to microfiche with formats and content being modified to more fully satisfy customer requirements. Preliminary studies have been completed into automated class flows and flight hour projections with test data now being produced.

MACHINE OPERATIONS BRANCH

During 1977 the Machine Operations Branch continued to provide effective ADP support to all Fort Rucker major activities, the aircraft maintenance contractor, and the US Army Agency for Aviation Safety.

Two items of note occurring in this time frame were the implementation of a Computer Output Microfiche (COM) system and preliminary rearrangement of existing equipment preparatory to the installation of a third computer system. The COM system allows for selected systems to go directly from computer output magnetic tape to reports in a microfiche format. This will eventually result in a large reduction in the volume of computer paper used and simplify the retrieval of data by functional users of microfiche reports.

DIRECTORATE OF RESERVE COMPONENTS

MISSION:

Provides a single point of contact at this installation to coordinate and provide training facilities, administrative and logistics support to those directed or authorized reserve claimants. Geographical area of responsibility for USAR and ARNG is the southern parts of Alabama and Mississippi, 29 counties in Alabama and 41 in Mississippi. The area of responsibility for ROTC support is basically the same in Alabama and Mississippi plus Northwest Florida. Senior units supported: 2 in Alabama, 2 in Florida, and 1 in Mississippi. Junior units supported: 24 in Alabama, 8 in Florida, and 1 in Mississippi.

ORGANIZATION:

The Directorate of Reserve Components functions under the Deputy Installation Commander. The directorate is organized into the following functional areas:

- Plans and Training
- Plans and Operations
- Program Management

PERSONNEL:

Director: LTC Rex H. Peterson

ACCOMPLISHMENTS:

The installation hosted 30 units/elements for Annual Training aggregating 3,915 personnel. Support was provided for a total of 49 units performing inactive duty training and active duty training that amounted to 76,839 mandays of training. This support included administrative, logistical, medical, self-service supply, ranges and training areas.

The following units performed Annual Training during the period 15 May through 21 August:

<u>UNIT</u>	<u>COMPONENT</u>
1156 MP Det (CI)	ALARNG
162 MPC	MSARNG
398 MI Det	USAR
11 SF Grp HHC	USAR
11 SF Spt Bn HHC	USAR
11 SF Spt Bn Sig Co	USAR
335 SC Gp HHD	USAR
116 SC Co (Comm)	SCARNG
116 SC Co CCDI	SCARNG
614 MP Plt	USAR
150 TC Bn HHD	MSARNG
134 TC Co	MSARNG
405 CA Gp	USAR
276 MP Plt	USAR
491 CS Co	USAR
936 Av Co	ARARNG
683 EN Plt	MSARNG
145 EN Bn	ALARNG
167 EN Co	ALARNG
877 EN Bn	ALARNG
347 MD Det	USAR

204 JA Det
566 MP Plt
172 JA Det
1135 CS Co
199 JA Det
833 Pers Svc Co
187 JA Det
282 AV Co
376 TC Co

USAR
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DETACHMENT 9, 5TH WEATHER SQUADRON

MISSION:

Detachment 9 is organized to provide a variety of services on a 24-hour-a-day, 7-day-a-week, year-round basis. This includes notification of impending severe weather for the Fort Rucker complex, complete meteorological watch of the local flying area, remote briefing service for nearby stations which have limited hours, and radar meteorological watch of the 200-nautical mile radius of Fort Rucker. Communication facilities include one of the largest military closed-circuit "Weathervision" networks in existence, over which forecasts, weather warnings, briefings, and Met-Watch advisories are disseminated to the various using agencies. The detachment also operates both UHF and VHF pilot-to-meteorologist radio service. Like all Air Force weather detachments, Detachment 9 has a variety of telecommunications equipment over which the continental US weather is continually updated, and forecasts and observations for anywhere on earth can be obtained rapidly. Operating Location - Alpha provides 14-hour-a-day, 5-day-a-week, observing support to the US Army Aviation training mission at Troy Airport.

PERSONNEL:

Commander: LTC Clark S. Pinder, USAF

	<u>Authorized</u>	<u>Assigned</u>
Officers	7	6
Airmen	25	24

As of 1 Oct 77, the maintenance section became OL-B, 1973 Communications Sqdn, Air Force Communications Service, and although not part of the weather detachment's organization, is still located with the detachment and provides equipment maintenance as before.

	<u>Authorized</u>	<u>Assigned</u>
Airmen	4	4

ACCOMPLISHMENTS:

Completed 17,714 outbound pilot briefings (DD Form 175-1).

Provided weather support for 192,442 local and cross-country flights.

Issued 80 severe weather warnings for a 15-mile radius of Fort Rucker, 29 severe weather warnings for Troy, and 503 MET Watch Advisories for the local flying area--a 100-mile radius of Fort Rucker.

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

A telephone answering device provided weather forecasts to an average of 4,094 calls per month.

Weather indoctrination tours of the Cairns Weather Station were given to approximately 420 students and members of the local community groups.

The CONUS Meteorological Data System (COMEDS) was installed and became operational late in 1976 at Cairns AAF. This is a sophisticated system linked to a computer at Carswell AFB, TX. Meteorological data is continuously being updated in the computer's memory banks and may be interrogated from any terminal in the CONUS, like the one at Cairns. World wide data is available in seconds via COMEDS.

1ST AVIATION BRIGADE

MISSION:

Exercises command over all assigned battalions. Provides administrative and logistical support to all assigned units and departments of the 1st Aviation Brigade. Directs training, intelligence, and security activities within the 1st Aviation Brigade.

ORGANIZATION:

The 1st Aviation Brigade consists of the following units:

First Battalion
Fourth Battalion
Sixth Battalion

ATTACHED UNIT:

Forty-Sixth Engineer Battalion (Combat) (Heavy)

PERSONNEL:

Brigade Commanders for 1977 were:

COL Anthony J. Adessa	1 Jan 77 - 17 Feb 77
COL George F. Powers	18 Feb 77 - 31 Dec 77

Command Sergeant Major for 1977 was:

CSM James W. Harris	1 Jan 77 - 31 Dec 77
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ACCOMPLISHMENTS:

On 18 February 1977, the 1st Aviation Brigade was reactivated as Colonel George F. Powers assumed command. The colors of the USAAVNC Troop Brigade were retired as Colonel Anthony J. Adessa departed for Fort Bliss, Texas.

During the period 270900 to 280900 January 1977, Plans & NBC Office, S-3, USAAVNC Troop Brigade, conducted a continuous operation in support of Commander, TRADOC Military Affiliate Radio System (MARS) communication exercise to test the system's capability to provide an auxiliary or alternate means of communications. During the conduct of the exercise, this office received eight (8) messages and dispatched four (4) messages. From this office's viewpoint, the MARS communication system functioned, but was not tested with a meaningful number of messages such as would have occurred during an actual emergency. Two (2) additional exercises are planned for this year.

During the period 310530 to 310830 January 1977, USAAVNC EOC was activated as a result of a 2-inch accumulation of snow and the 0430 hours decision to temporarily suspend training and base operations. During this period representatives from DPCA, DIO, DFAE, and USAAVNC Troop Brigade answered questions concerning the situation and monitored activities of 46th Engr Bn and DFAE to survey and clear roadways and bridges. Fort Rucker's situation was reported to TRADOC and FORSCOM EOCs at 0740 hours and 0750 hours. FORSCOM informed this installation that while FORSCOM was heavily committed in Pennsylvania, New York, Ohio, Virginia, and Indiana, they were not anticipating support from Fort Rucker. At 0850 hours, TRADOC and at 0900 hours FORSCOM were informed that Fort Rucker would be operational at 1200 hours, 31 January 1977. Staff representatives were released at 0830 hours, 31 January 1977.

During February 1977, as authorized by the Chief of Staff, the EOC included the following message in the weekly preempt test of the Emergency TV Notification System: "In quarters, thermostats will be set to maintain a maximum of 65 degrees during daylight and 60 degrees at night. In offices, maximum 65 degrees during duty hours and 55 degrees during non-duty hours. Outside lights will be used only as necessary and wattage will be reduced whenever possible. For example, entrances will not exceed 40 watts."

2LT McNeil and SP4 Sode of 12th Company, and SP4 Webb, USAAVNC Troop Brigade Information Specialist, visited the George C. Wallace Community College on 3 February 1977, to photograph members of Afro-American Club who were models in the Wallace Campus Black History Week Fashion Show.

The 98th Army Band presented a class on musical instruments to students of the Fort Rucker Elementary School on 2 February 1977. They also played a short concert for the students.

On 3, 4, and 5 February 1977, 75 percent of the 98th Army Band members volunteered to participate in the Southeastern United States Band Clinic. The clinic was held at Troy State University at Troy, Alabama.

Personnel of the 4th Battalion assisted the Girl Scouts of the Singing Pine Girl Scout Camp by transporting and enplacing four (4) portable latrines that were provided by the USAAVNC DIO. These personnel further assisted the Girl Scouts by cutting and supplying fire wood for the Scout Training Program.

During 1977, Plans and NBC Office prepared and executed a number of emergency, contingency, and mobilization plans. Plans Office also participated in five (5) NORAD exercises; disseminated 38 Severe Weather Warnings via telephone; disseminated two (2) Severe Weather Warnings and 12 command announcements over the Emergency Television Notification System; and conducted weekly radio communication checks, weekly tests of the Emergency TV Notification System, and weekly "growl" and monthly "full-scale" tests of the Air Defense Warning Sirens. In addition to the above, Plans and NBC Office accomplished the following in 1977:

Contingency/emergency plans developed or revised:

- Work Stoppage Plan (FOUO), 21 Jan 77
- Military Assistance Plan, 27 Jan 77
- Land Defense Plan (Unclas), 1 Feb 77
- Dispersal Plan, 14 Apr 77
- Continuity of Operations Plan (Unclas), 20 May 77
- Hurricane Alert and Evacuation Plan, 1 Jun 77
- Survival, Recovery and Reconstitution Plan (Unclas), 2 Jun 77
- Fallout Shelter Plan, 3 Jun 77
- Provisional Aviation Unit Plan, 14 Jun 77
- Oil and Hazardous Substances Spill Prevention/Contingency Plan, 6 Jul 77
- Programing Plan (Unclas), 19 Jul 77
- Emergency Support Air Transportation Plan, 27 Jul 77
- Postal Augmentation Plan (FOUO), 8 Sep 77
- Civil Disturbance Plan (FOUO), 8 Nov 77
- Search and Rescue Plan, 29 Nov 77

USAAVNC publications published:

- USAAVNC Supplement 1 to AR 50-5, Nuclear Surety, 11 Apr 77
- USAAVNC Regulation 105-2, Alert and Exercise Notification, 14 Jun 77
- USAAVNC Regulation 525-15, Narrative Operational Reporting System, 12 Jul 77
- USAAVNC Supplement 1 to AR 50-6, Chemical Surety, 2 Dec 77

Miscellaneous items published:

USAAVNC CBRE SOP for NUDET Reports, 9 Feb 77
Contingency Plan Reference Chart, 16 Feb 77
1st Aviation Bde NBC Affirmative Action Program, 1 Mar 77
SOP for Nuclear, Biological, Chemical Element, 1 May 77
Bomb Threat Procedures, 9 May 77
Fact Sheet, Force Status and Identity Reporting System (FORSTAT), 6 Jun 77
Fact Sheet, Joint Resource Assessment Data Base Report System (JADREP), 6 Jun 77
SOP for National Warning System (NAWAS), 7 Jul 77
SOP for USAAVNC Staff Duty Officer Alert Notification, 12 Aug 77
USAAVNC Nuclear Chemical Accident and Incident Control Operation Checklist, 2 Oct 77
1st Aviation Bde NBC Readiness Evaluation Guide, 15 Nov 77

The USAAVNC conducted the following Emergency Deployment Readiness Exercises during 1977:

25-27 May 77	108th Quartermaster Co
15 Jun 77	91st Engineer Det
28-30 Jun 77	416th Transportation Co
13-14 Jul 77	427th Medical Co (Amb)
27-30 Sep 77	46th Engineer Bn

Due to severe weather conditions, Plans and NBC Office submitted daily reports for Fort Rucker to TRADOC during the period 3-10 Feb 77. Since Fort Rucker was not tasked to provide resources, negative reports were submitted.

The Plans and NBC Office was represented at the Civil Defense Exercise - Evacuation of Joseph M. Farley Nuclear Plant and Surrounding Area, conducted in the Emergency Operations Center, Houston County Courthouse, Dothan, AL, on 24 Feb 77. The exercise was actually a planning session for a full scale exercise to be conducted at a later date.

On 8 Mar 77, the TRADOC NBC Training Packet, complete with slides and lesson plans, was published and distributed.

On 9 Mar 77, Plans and NBC Office reviewed the manual "Training for Operation, Service, and Maintenance of Automatic Chemical Agent Alarm, M8, M10 through M18 (ACAA)."

The 2-hour session of the Commanders' Orientation Course was conducted on 16 Mar 77 and on 13 Jul 77 in the EOC to familiarize unit commanders with the EOC facilities, emergency/contingency plans and unit readiness reporting.

Semiannual Operations Security Committee Meetings (OPSEC) were held on 29 Mar 77 and 21 Sep 77 in the Plans and NBC Office.

On 6 May 77, Joyce S. Johnson briefed COL James P. Randall and the Disaster Preparedness Staff, Tyndall AFB, FL, on Protection Plan for Eglin/Tyndall Evacuees.

Captain Gary N. Bowman, Installation Chemical Officer, was transferred on 19 May 77 from Fort Rucker, AL, to Germany, via Aberdeen Proving Ground, MD, for additional schooling.

COL Lawson M. Lynn, First US Army Liaison Officer for Civil Defense to Alabama Army National Guard, visited Plans and NBC Office on 16 Jun 77 and 6 Dec 77.

The Annual OPSEC Report was submitted to TRADOC on 15 Jul 77.

On 4 Aug 77, Donald L. Cline and Joyce S. Johnson attended a classified working conference on Project GRADUAL DEGREE at Carlisle Barracks, PA.

The USAAVNC participated in CPX GATE LATCH BRAVO, 8-26 Aug 77. The exercise was a classified exercise conducted in accordance with USCINCRD OPLAN 701. USAAVNC participation in the exercise included application of previously determined capabilities of Fort Rucker TOE units to respond to emergency requirements from higher headquarters. Using realistic time schedules, Fort Rucker units could have responded to all taskings imposed well within the time available.

Donald L. Cline attended the OPSEC Training Conference, Fort McPherson, GA, on 16-18 Aug 77.

On 18 Aug 77, Aircraft Logistics Management Division, DIO, requested assistance on disposal instructions for one (1) "possible" contaminated Auxiliary Test Stand received from Dugway Proving Ground, Utah. The item had been detoxified, but had not been thermally decontaminated; DPD refused to accept the item until thermal decontamination was done. Plans and NBC Office obtained instructions from DARCOM, and item was shipped to Sharpe Army Depot, Lathrop, CA.

During the period 28 Aug - 30 Sep 77, USAAVNC participated in Exercise REFORGER 77. Exercise REFORGER 77 included the actual deployment of troop units from CONUS to the Federal Republic of Germany (FRG). The Fort Rucker unit that deployed by air to the FRG, the 427th Medical Company (Ambulance), departed from Eglin AFB, FL, on 28 Aug 77, and arrived at Ramstein the following day. After drawing ambulances and other TOE equipment prepositioned in the FRG, the unit performed its normal mission throughout the exercise. The unit arrived at Eglin AFB on 30 Sep 77, on its return from the FRG and was moved to Fort Rucker by surface means on same date.

On 30 Aug - 1 Sep 77, a 10-man team from XVIII Airborne Corps conducted a Plans and Procedures Evaluation only of the 108th QM Co and 416th TC Co. No troops were involved.

On 8 Sep 77, a meeting was held with the Commanding General and staff agencies to discuss mobilization. Per guidance received from the Commanding General, a Mobilization Planning Worksheet was sent through Reserve Component major commands to unit commanders with mobilization station of Fort Rucker. The Mobilization Planning Worksheet was designed to support mobilization planning/execution and to insure mobilized unit requirements are supported.

On 14 Sep 77, SFC Robert Beer attended the Radiological Refresher Course on Civil Defense Radiological Instruments held at Carroll High School, Ozark, AL, conducted by Dale County Civil Defense.

On 17-21 Oct 77, Jo Ann Sutton and Carolyn Z. Rock attended the FORSTAT Training Class at Fort Gillem, GA.

On 19 Oct 77, Plans and NBC Office assisted in the review of audiovisual projects for 1978 from the US Army Ordnance and Chemical Center and School.

Representatives from the Plans and NBC Office attended the Civil Defense Disaster Drill, 2 Nov 77, conducted by the Dale County Hospital, Ozark, AL.

Donald L. Cline and Joyce S. Johnson attended the Military Traffic Management Command Reserve Unit Conference in Washington, DC, on 5-6 Nov 77. The purpose of the conference was coordination of support requirements on training and mobilization.

The Annual Area Disaster Meeting for civil authorities and Civil Defense Representatives was hosted by the Plans and NBC Office on 9 Nov 77. Personnel in attendance were from Region 3 DCPA, American Red Cross, Salvation Army, Alabama Army National Guard, Alabama Civil Defense, and city/county officials from nine (9) surrounding counties.

The "NBC Nuggets," an informational FORSCOM brochure, was received and distributed on 12 Dec 77.

The NBC Training Evaluation has been developed and is ready for staff coordination as of 14 Dec 77.

1ST BATTALION

MISSION:

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

ORGANIZATION:

1st Battalion, 1st Aviation Brigade, consists of the following units:

11th Company	15th Company
12th Company	98th Army Band
13th Company	141st Military Police Company
14th Company	*USA Aviation Board

*Attached for administration

PERSONNEL:

Commanding Officers for 1977 were:

LTC William J. McCluskey	1 Jan 77 - 17 Feb 77
LTC Donald M. Frierson	18 Feb 77 - 31 Dec 77

Command Sergeant Major for 1977 was:

CSM John H. Smith	1 Jan 77 - 31 Dec 77
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ACCOMPLISHMENTS:

The 1st Battalion successfully completed its Annual General Inspection (AGI) during the period 22 Mar - 1 Apr 77.

2LT Randall W. Bechtel was assigned on March 1977 as the Battalion Operations Officer as the first step in upgrading the Battalion's Training and Physical Conditioning Program.

SFC Larry C. Keen was assigned on 14 June 1977 as the 1st Battalion PSNCO.

The 1st Battalion successfully organized a league volleyball team.

The 1st Battalion initiated an organized morning PT Program.

An extensive training program was instituted by the battalion.

Battalion moved physically to reduce number of billets being utilized in consonance with utilities conservation.

Battalion integrated all barracks.

Battalion instituted a vigorous weight control and Physical Training Program.

Laid plans for a new Battalion Headquarters in Bldg 4503.

Completed a battalion reorganization study with a view toward consolidation of all supply at battalion with a manpower savings.

Established and staffed a fully operational S3 Section.

Had the 98th Army Band returned to 1st Battalion command and control.

Initiated an upgrade of the 98th Army Band's quarters and moved their rehearsal hall to a more suitable environment.

Established a REFORGER mission contingency complete with plan and projected EDRE testing.

MAJ John S. Halburnt was assigned on 1 September 1977 as 1st Battalion XO.

Established and staffed a fully operational S4 Section.

1LT Paul C. Spinler was assigned on 2 September 1977 as 1st Battalion S4.

The Supply Administration Center (SAC) was established with a goal to be fully operational by 28 October 1977.

Organized and executed a REFORGER Support Plan to assist the 46th Engr Bn in preparing to perform their REFORGER mission. The providing of physical security, assistance to dependents, dining facility operation, property inventory, POV outprocessing, and personnel outprocessing support enabled the 46th Engr Bn to successfully pass a USAAVNC administered Emergency Deployment Exercise during 27, 28, and 29 September 1977.

1st Battalion provided its service members with a barbeque picnic and an evening of musical entertainment on Troop Appreciation Day, 22 July 1977.

Prepared a battalion staff study to determine if the PAC concept would increase administrative efficiency in the 1st Battalion. The answer was negative; therefore, an exception to policy was requested.

On 25 November 1977, 1st Battalion began conducting Quarterly Command Inspections (QCI) for all assigned companies.

In November 1st Battalion began making plans for the dissolution of 15th Company in order to accommodate a reorganization of the departments.

1st Battalion received an award for outstanding participation in the Wiregrass Combined Federal Campaign.

Open visitation in the battalion billets was authorized by the Commander on 6 December 1977.

A 100 percent Furnishings Management Office (FMO) property inventory was done by the SAC on all companies.

Provided project officer for the Elementary School Halloween Carnival, and constructed all props.

1st Battalion went undefeated in the fall volleyball league.

Coordinated personnel for SQT testing of 76 MOS series.

11TH COMPANY

MISSION:

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

ORGANIZATION:

The 11th Company provides permanent party staff for Office of the Staff Judge Advocate, Public Affairs Office, Inspector General, Management Information Systems Office, Secretary General Staff, Office of Force Development, Directorate of Personnel and Community Activities, and the Directorate of Resource Management. The 11th Company also provides transient personnel and AWOL returnees with administrative and logistical services and billeting. Consolidated Mail Room #6 is operated by the 11th Company.

PERSONNEL:

Commanding Officers for 1977 were:

CPT William R. Stiffler, Jr.	1 Jan 77 - 27 Mar 77
CPT Robert L. Johnson, Jr.	28 Mar 77 - 31 Dec 77

First Sergeant for 1977 was:

1SG Harvey W. Pinder, Sr.	1 Jan 77 - 31 Dec 77
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ACCOMPLISHMENTS:

The 11th Company passed the Annual General Inspection in March 1977.

Initiated use of TV Trainer to make unit training available to company personnel who missed the initial class.

Administered PT test.

Revamped Intransit Section to facilitate better control. Placed XO in charge of Intransit Section.

Conducted M16A1 Familiarization Firing for all assigned personnel to include a period of indoor instruction.

11th Company overhead personnel had the highest per capita donation to the 1977 Army Emergency Relief Drive of any unit in 1st Aviation Brigade.

Overhead personnel contributed an average of \$43 to the Combined Federal Campaign for the highest contribution in the 1st Battalion.

Instituted a monthly NCO Call for the approximately 60 NCOs in the unit in the grade of E6 and above. Topics of discussion include leadership techniques and current subjects of professional interest.

11th Company Intramural Softball Team won Division and Post Championships.

11th Company Intramural Basketball Team won Division and Post Championships.

The Intransit Section billeted over 2,700 personnel during the past year to include TDY, overnight, attached, and AWOL returnees.

12TH COMPANY

MISSION:

Performs command, administrative training, billeting, and disciplinary functions for assigned personnel.

ORGANIZATION:

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

PERSONNEL:

Commanding Officers for 1977 were:

CPT Charles D. Goldman	1 Jan 77 - 20 Sep 77
CPT Ronald E. Lofton	21 Sep 77 - Present

First Sergeant for 1977 was:

1SG Gerard Golden	1 Jan 77 - Present
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ACCOMPLISHMENTS:

Company received commendable remarks in several areas during the Annual General Inspection.

Company supplied project officers for Black History Week in February 1977.

SFC Donald R. Johnson became Reenlistment NCO.

The 12th Company basketball team secured third place in Post standing.

SSG Alan R. Duff became Reenlistment NCO and SP5 Donna M. Houck became Training NCO.
SP4 Carol J. McManis became PSNCO.

SSG John M. Johnson was selected as Brigade NCO of the Month for June 1977.

Company overhead displayed maximum participation in PT Program.

While a member of this command, then PFC Michael E. Hillestad submitted an article, "Let the Soldiers Do It," that was printed in the April 1977 issue of "Soldier's Magazine."

SP4 Kimberly Philyaw placed first in the Women's Doubles, Army Wide Bowling Tournament at Fort Leonard Wood, Missouri, in April 1977.

SSG George Stewart received a direct appointment to WO1.

Reenlistments and extensions: 55 reenlistments and 24 extensions.

12th Company's softball team placed in the post runoffs.

12th Company overhead had 100 percent participation in Combined Federal Campaign.

12th Company won second place in the Post Flag Football Championship and won the Eastern Division Championship.

13TH COMPANY

MISSION: Provides command and control, administrative, logistical, and billeting support for assigned and attached personnel.

ORGANIZATION:

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

PERSONNEL:

Commanding Officer for 1977 was:

CPT Floyd C. Emery 1 Jan 77 - Present

First Sergeant for 1977 was:

1SG William B. Williams 1 Jan 77 - Present

ACCOMPLISHMENTS:

During the year a 99.6 percent SIDPERS processing rate was maintained.

The 13th Company had 73 reenlistments and 23 extensions during this period.

The 13th Company underwent its Annual General Inspection.

SP4 James Anadell was selected as Fort Rucker Soldier of the Month for April 1977.

In May 1977, the company strength exceeded 400.

In May 1977, 13th Company completed the integration of females within the modular barracks.

SP4 Thomas McGuire was selected as Fort Rucker Soldier of the Month for July 1977.

SP5 Ossie Carey was selected as 1st Battalion NCO of the Month for August 1977.

SSG Thomas Chambers was selected as Fort Rucker Noncommissioned Officer for September 1977.

SSG Theophil Koziol was selected as 1st Battalion Noncommissioned Officer for October 1977.

14TH COMPANY

MISSION:

Provides administrative support, training, billeting, and military justice for personnel assigned or attached to 14th Company.

ORGANIZATION:

The 14th Company provides permanent party staff and faculty for Directorate of Combat Developments, Directorate of Training Developments (less Training Support Division), Directorate of Training (less DOAT, DGFT, Airfield Operations Division (DRTM), and Range Branch (DRTM)).

PERSONNEL:

Commanding Officers for 1977 were:

CPT Patricia F. Brewer 1 Jan 77 - 8 Sep 77
CPT Walter J. Culberson 9 Sep 77 - Present

First Sergeant for 1977 was:

1SG Joseph H. Milam 1 Jan 77 - Present

ACCOMPLISHMENTS:

The 14th Company completed its Annual General Inspection on 29 March 1977.

SP4 Patricia A. Pferdner was selected as 1st Battalion Soldier of the Month for February 1977.

PFC Judy Bailey was selected as Battalion, Brigade, and Post Soldier of the Month for June 1977.

Seven soldiers reenlisted and two extended during this period.

Department of Resident Training Management was shifted to 12th Company due to a TDA change.

The 14th Company orderly room was transferred from bldg 4505 to bldg 4502.

The troops residing in the barracks were merged (males and females) and now reside on the 3d floor of bldg 4502.

SP4 Lora Raley was selected as 1st Battalion Soldier of the Month for September 1977.

The unit was responsible for providing support to the 98th Army Band Concert conducted on 8 September 1977.

Five career soldiers reenlisted to fill their own vacancies.

Four NCOs attended Advanced NCOES School at Fort Rucker, Alabama.

2LT Catherine J. Biersack was assigned as XO on 7 October 1977.

The unit conducted annual PT testing for 374 officer/enlisted personnel during the months of November and December 1977.

One SM attended USAAVNC Safety School during the 4th Quarter of 1977.

15TH COMPANY

MISSION:

Provides command, administrative support, logistics, and billeting for assigned and attached personnel.

ORGANIZATION:

Unit consists of permanent party staff of Brigade, Battalion, and Company Headquarters; personnel of Department of Graduate Flight Training; and personnel of Directorate of Evaluation/Standardization.

PERSONNEL:

Commanding Officers for 1977 were:

CPT Dan R. Popham	1 Jan 77 - 30 Jun 77
CPT Larry J. Atchley	1 Jul 77 - Present

First Sergeants for 1977 were:

1SG Harold F. Ayers	1 Jan 77 - 30 Jun 77
1SG Tommie C. Johnson	1 Jul 77 - Present

ACCOMPLISHMENTS:

Unit completed first quarter with 271 SIDPERS transactions, two errors, for an overall rate of 99.3 percent. There were no late entries.

Unit successfully completed its Annual General Inspection on 23 March 1977. There were many complimentary comments in areas of supply, administration, fire, and safety.

Reenlistments for the year were 13 extensions and 29 reenlistments.

Unit moved from bldg 4505E to its present location, bldg 4914W, during April 1977.

Promotions for the year were as follows: E8 - 1; E7 - 4; E6 - 1; E5 - 4; E4 - 6; and E3 - 6.

Unit began conversion of supply activity to combine with other battalion supply functions for Battalion Level Consolidated Supply function. Rear of bldg 4914W was transferred to battalion control.

141ST MILITARY POLICE COMPANY

MISSION:

Provides military police services to Fort Rucker, Alabama. Provides assistance to the installation commander in maintenance of order and military discipline among military personnel within the military reservation and in civil communities adjacent to the reservation. In addition the 141st MP Company provides the following services:

Prevention and suppression of crime.

Enforcement of military law and regulations.

Protection and security for military and civilian population of Fort Rucker, Alabama, and the operational airfields.

ORGANIZATION:

On 5 December 1974, DA approved the reorganization of the 141st Military Police Company (WCT2AAA) MTOE 19 500HTC17, effective 1 May 1975, with the following authorized: 3 officers and 96 enlisted.

PERSONNEL:

Commanding Officers for 1977 were:

CPT Alan M. Richardson	1 Jan 77 - 7 Jun 77
CPT Ronald E. Travers	8 Jun 77 - Present

First Sergeant for 1977 was:

1SG Paul S. Birdwell	1 Jan 77 - Present
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Personnel are assigned duty under the operational control of the Provost Marshal in the following subsections:

Motorized Patrol Section.

Military Police Investigation Section.

Traffic Section.

Military Police Station Personnel.

Physical Security Section.

Post Vehicle Registration.

Game Warden Section.

ACCOMPLISHMENTS:

Reenlisted 4 E6s, 7 E5s, and 4 E4s - 3 extensions.

SP4 John S. Boyd was selected as Fort Rucker Soldier of the Year. He was awarded the Army Commendation Medal for Meritorious Service during the period 1 January 1976 to 31 December 1976.

2LT Steven J. Boudier, SGT Artie L. Franklin, and SP4 Thomas K. Tinsley attended the two week CBR School.

PFC Michael B. Speegle was selected as 1st Battalion Soldier of the Month for March 1977.

MP of the Month for January was SP4 Woodrow W. Gandy, February was PV2 Ricky L. Benedict, and March MP was PFC Michael B. Speegle.

The unit had a 99.7 percent SIDPERS rate for this period.

The male and females residing in the barracks were completely integrated on 24 March 1977.

Completed Annual General Inspection on 30 March 1977.

Turned in \$5,350 of equipment for return to the supply system.

PFC Howard McDonald was selected as 1st Battalion Soldier of the Month for May 1977.

The MP of the Month for April was PV2 Christopher Pietras; the MP of the Month for May was PFC Howard McDonald.

CPT Michael L. Johnston departed this unit on 2 June 1977 for an assignment in Germany.

On 23 May 1977, CPT Ronald E. Travers was assigned to the unit.

An eight week training program was developed to prepare personnel in MOS 95B for the SQT to be administered in August 1977.

MP of the Month for July 1977 was SP4 Thomas K. Tinsley; August - PFC Ricky L. Benedict; September - PV2 Darlene G. Heath.

98 percent of all personnel passed the Physical Fitness test IAW AR 600-9.

The unit conducted annual Range Firing during August 1977. The M-16 rifle, 45, 38, cal and riot shot gun were fired by all personnel.

SP4 Alberto Oyolo was accepted for attendance at the Officer Candidate School at Fort Benning, Georgia.

Personnel of the unit completed the hands on and written component of the SQT for MOS 95B.

Two personnel finished GT refresher course.

SP5 Thomas K. Tinsley graduated from NCO Academy at Fort Bragg, North Carolina.

MP of the Month, October PFC Christopher Pietras, November, SP4 Robert C. Golden, December, SP4 Kathleen A. Dartt.

PFC Darlene G. Heath was selected Soldier of the Month in October for 1st Battalion and 1st Aviation Brigade as well as Post Soldier of the Month for November.

SSG Michael R. Muncy was selected as 1st Battalion and 1st Aviation Brigade NCO of the Month for November and Post NCO of the Month for December.

Personnel performing MP road enforcement duties changed from 12-hour to 8-hour shift after more than a year on the 12-hour shift.

All unit TOE vehicles were laterally transferred to post Transportation in October.

Unit Supply was consolidated with 1st Battalion SAC.

1SG Birdwell was selected for attendance at the resident course of the US Army Sergeants Major Academy (USASMA).

1SG Birdwell was selected for promotion to E9.

98TH ARMY BAND

MISSION:

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

ORGANIZATION:

MTOE 12107HTC10.

PERSONNEL:

Unit Bandmaster for 1977 was:

WO1 Luther E. Murphy 1 Jan 77 - Present

Unit Enlisted Bandleader for 1977 was:

SFC Haywood E. Sellers 1 Jan 77 - Present

ACCOMPLISHMENTS:

During the past year the 98th Army Band performed 242 commitments, many of which were civic jobs. The band traveled over 5,500 miles and was heard by over a half-million people. The band performed at the following events:

1 July thru 31 July 1977 - 1st Bn Troop Appreciation Day; Celebrate America Day, Dothan, Alabama; TRADOC Softball Tournament; TRADOC Golf Tournament; and Blessing of the Shrimp Fleet, Bayou La Batre, Alabama.

1 August thru 31 August 1977 - AUSA Meeting (Chairman of the Joint Chiefs of Staff in Attendance), Band support for US Army Infantry Center, Ft. Benning, Georgia; and 427th Medical Company Sendoff (REFORGER).

1 September thru 30 September 1977 - Concert Under the Stars; 1st Annual Seafood Festival, Pensacola, Florida; AUSA Picnic; Student Orientation Week, Florida State University; and 4th Bn Enlisted Student Reception.

1 October thru 31 October 1977 - The National Rodeo Parade in Bonifay, FL; Troy State University Appreciation Day in Troy, AL; National Peanut Festival Parade in Dothan, AL.

1 November thru 30 November 1977 - Dedication of Key Brothers Museum and Veteran's Day Parade in Meridian, MS.

4TH BATTALION

MISSION:

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

ORGANIZATION:

4th Battalion, 1st Aviation Brigade, consists of the following units:

41st Company	Company E, 30th Infantry
42d Company	Company C (PFDR/ABN), 509th Infantry
43d Company	260th Field Artillery Detachment

PERSONNEL:

Commanding Officers for 1977 were:

LTC Robert T. G. Hackett	1 Jan 77 - 12 May 77
LTC Jefferson T. Boulware, Jr.	13 May 77 - Present

Command Sergeant Major for 1977 was:

CSM Tilden R. Kirkland	1 Jan 77 - Present
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ACCOMPLISHMENTS:

Average student strength for 1977 was 791.

All units participated in the Change of Command ceremony for the departing Colonel Anthony J. Adessa on 18 February 1977.

Consolidated Dining Facility #4 (43d Co) received the General's Best Mess Award for 1st Quarter, 1977.

SFC Rufus Montgomery was appointed to Warrant Officer (W01) in the food service field on 25 February 1977.

Consolidated Dining Facility #3 (43d Co) supported the 9th AUSA Rifle and Drill Competition by feeding 600 Junior ROTC Cadets from 1-3 April 1977.

All units participated in the 4th Battalion Change of Command ceremony on 13 May 1977.

The Annual General Inspection, 1977, of the 4th Battalion units was conducted during the period 12-20 April 1977. The 4th Battalion received a satisfactory rating with many commendable areas.

4th Battalion units participated in the 49'er Party which was held 29 and 30 April 1977.
4th Battalion organized and operated the Red Garter Saloon.

Fourth Battalion Dining Facility (Con #4) received the General's Best Mess Award for the 3d Quarter, FY 77.

During the month of June 1977, 4th Battalion administered the 11B SQT. This is the first SQT administered at Fort Rucker.

The 4th Battalion Personnel Administration Center (PAC) commenced operation in bldg 6203 (4th Battalion Headquarters), 7 October 1977.

Consolidated Dining Facility #3 received the Best Mess Award for Third Quarter, 1977.

41ST COMPANY

MISSION:

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

PERSONNEL:

Commanding Officers for 1977 were:

CPT Gregory L. Cook	1 Jan 77 - 12 Sep 77
CPT James B. Norwood	13 Sep 77 - Present

First Sergeant for 1977 was:

1SG Robert M. Kanardy	1 Jan 77 - Present
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ACCOMPLISHMENTS:

PVT Joseph R. Crockett was selected to be the first trainee in the 4th Battalion Student of the Month for July 1977.

42D COMPANY

MISSION:

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

PERSONNEL:

Commanding Officers for 1977 were:

CPT Michael D. Martin	1 Jan 77 - 28 Jul 77
CPT Chesley D. Auten	29 Jul 77 - Present

First Sergeants for 1977 were:

1SG Edward M. Shevlin	1 Jan 77 - 5 Jun 77
1SG Clyde W. Mobley	6 Jun 77 - Present

ACCOMPLISHMENTS:

Constructed and installed playground equipment for the Fort Rucker Elementary School.

PVT Scott Burkins was selected as the September Battalion Student of the Month.

43D COMPANY

MISSION:

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

PERSONNEL:

Commanding Officers for 1977 were:

CPT Reginald W. Marcus	1 Jan 77 - 31 Jul 77
CPT Charles T. Woolwine	1 Aug 77 - Present

First Sergeant for 1977 was:

ISG Timothy Bronson	1 Jan 77 - Present
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ACCOMPLISHMENTS:

PVT Mark E. Belgen was selected as the 4th Battalion Student of the Month for August 1977.

ISG Timothy Bronson was selected to attend the US Army Sergeants Major Academy.

COMPANY C (PFDR/ABN), 509TH INFANTRY

MISSION:

Establishes aircraft landing and drop zones, and provides terminal guidance to the United States Army Aviation School in support of the initial entry rotary wing training program.

PERSONNEL:

Commanding Officers for 1977 were:

CPT Alan S. Sariego	1 Jan 77 - 20 May 77
1LT Samuel L. Mitchell	21 May 77 - 19 Jun 77
CPT Ramon Acevedo	20 Jun 77 - Present

First Sergeant for 1977 was:

ISG Alexander Boxley	1 Jan 77 - Present
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ACCOMPLISHMENTS:

SSG Charlie Blake was selected as Fort Rucker NCO of the Year.

Company C entered 25 percent of the unit strength in the Fort Rucker CLEP program.

Company C completed 11 parachute operations at Cairns Army Airfield, 4 parachute operations at Allen Stagefield, 1 at Ech Army Airfield, and 1 at Hooper Army Airfield.

On 6 June 1977, West Point Cadets Joseph McMullin and Michael Noble reported in for a 4 week summer training period. On 9 July 1977, three more West Point Cadets underwent the Cadet Troop Leader Training Program for 7 weeks.

SGT Prophet Kemp was selected as Post NCO of the Month for May 1977.

SSG Nathaniel E. Burkett was selected as Post NCO of the Month for June 1977.

Company C completed a 6-mile road march on 20 June and an 11.5 mile road march on 24 June 1977.

1SG Alexander Boxley was selected to attend the US Army Sergeants Major Academy.

Company C assumed an additional mission of supporting sling-load operations at TAC Runkle.

Company C conducted a field training exercise (FTX) on 7-9 September 1977.

Company C conducted a river crossing exercise on 22 July, a familiarization fire (KD Range) on 17 August, and 2 gas chamber exercises on 15 and 22 September 1977.

Company C completed 6 parachute operations during the fourth quarter of 1977.

E COMPANY, 30TH INFANTRY

MISSION:

Provides infantry support to the US Army Aviation Center and to perform Honor Company missions which include Honor Guards, parades, and military funerals.

PERSONNEL:

Commanding Officers for 1977 were:

CPT Joseph L. Pike	1 Jan 77 - 4 Aug 77
CPT Joseph M. Laura	5 Aug 77 - Present

First Sergeant for 1977 was:

1SG Willie Helms	1 Jan 77 - Present
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ACCOMPLISHMENTS:

Company E Marksmanship Training Element entered a rifle and pistol team in the FORSCOM Regional Rifle and Pistol Championships at Fort Meade, Maryland.

Honors were provided for 157 funerals in the Alabama, Florida, and Mississippi area.

West Point Cadets Calvin Holman and Russell Sherrit were assigned to Company E for summer leadership training.

Company E relinquished control of the Fort Rucker Marksmanship Training Unit and turned in all related property.

SP4 Philip W. Cunningham was selected as the Post Soldier of the Month for April 1977.

SGT Lewis A. Cox was selected as Post NCO of the Month for August 1977.

SP4 Charles F. Welch was selected as Post Soldier of the Month for September 1977.

Company E participated in 6 USAAVNC Retirement Reviews and 1 formal five-man color guard for AUSA.

SSG Walter C. Fulmer, Company E, 30th Infantry, was chosen Post NCO of the Month for September 1977.

Company E provided 10 color guards during the fourth quarter of 1977.

260TH FIELD ARTILLERY DETACHMENT

MISSION:

Provides 105mm Howitzer support to the US Army Aviation Center in all operations requiring an organic Field Artillery (FA) Battery.

PERSONNEL:

Detachment Commanders for 1977 were:

1LT Joseph M. Laura	1 Jan 77 - 2 Jun 77
2LT Rodney B. Wilkerson	3 Jun 77 - Present

ACCOMPLISHMENTS:

During 1977 the 260th FA has continued to support the US Army Aviation Center by firing night illumination missions, as well as participating in all monthly retirement ceremonies.

6TH BATTALION

MISSION:

Command of and administrative support for all personnel assigned permanent party and students. Advisor to 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 or her full leadership, academic, and flight potential. Responsible for recommending 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:

6th Battalion, 1st Aviation Brigade, consists of the following units:

- 61st Company (1st Warrant Officer Candidate Company)
- 62d Company (2d Warrant Officer Candidate Company)
- 63d Company (Officer Student Company)
- 64th Company (Officer Student Company)
- Allied Military Training Division

PERSONNEL:

Battalion Commanders for 1977 were:

LTC Sydna B. Allen	1 Jan 77 - 31 Jan 77
LTC Charles E. Anderson	1 Feb 77 - Present

Command Sergeants Major for 1977 were:

CSM Dominick L. Careccia	1 Jan 77 - 13 Jul 77
MSG Gerald L. Ullom	1 Aug 77 - 2 Nov 77
CSM Alonzo C. Miller	3 Nov 77 - Present

ACCOMPLISHMENTS:

SSG Bays replaced SP5 Fordham as Administrative NCO in January 1977.

The 6th Battalion received an outstanding evaluation for the 1977 Annual General Inspection.

SSG Foust reenlisted on 1 June 1977 for a period of 6 years.

CPT Robert L. Floyd III was promoted to Major effective 1 July 1977 and departed for the Command and Staff College.

MAJ Donald R. Scroggins became the Battalion XO effective 8 September 1977.

MSG Cupit replaced SFC Devoe as Operations/Training NCO effective 8 September 1977.

MSG Cupit, S3, 6th BN, will retire 31 December 1977.

SSG Bays successfully completed the Personnel Senior Sergeants Course at Fort Benjamin Harrison, Indiana, on 9 December 1977.

61ST COMPANY

MISSION:

Develops selected personnel to be warrant officer aviators in the Army of the United States who will be capable of performing duties appropriate to their grade in aviation units.

PERSONNEL:

Company Commanders for 1977 were:

CPT Leland N. Yonkers	1 Jan 77 - 12 Jun 77
CPT Charles O. Broughton	13 Jun 77 - Present

First Sergeant for 1977 was:

1SG Gerald A. Faulk	1 Jan 77 - Present
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ACCOMPLISHMENTS:

Maintained an average unit strength of 241.

Graduated 320 warrant officers (W01).

91 warrant officer candidates participated in the Post sponsored AUSA Volksmarch on 12 November 1977.

Warrant Officer Hall of Fame reopened with a ribbon cutting ceremony by MG James Smith on 22 November 1977.

62D COMPANY

MISSION:

Develops selected personnel to be warrant officer aviators in the Army of the United States who will be capable of performing duties appropriate to their grade in aviation units. The secondary mission is to serve as a basis for mobilization as the needs of the service require.

PERSONNEL:

Company Commanders for 1977 were:

CPT Barry P. Gerischer	1 Jan 77 - 16 Feb 77
CPT Merlin H. Olson	17 Feb 77 - Present

First Sergeant for 1977 was:

1SG Robert W. Black	1 Jan 77 - Present
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ACCOMPLISHMENTS:

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

On 12 March 1977 and 19 March 1977, Class 77-27, Brown Flight, was involved in a project to paint the city of Daleville's community center. Brown Flight worked from 0830 until 1300 hours to complete as much work as possible. The job consisted on painting the entire gymnasium, three hallways, latrines, kitchen, and numerous small rooms. The city of Daleville furnished all supplies while Brown Flight supplied the manpower. The men of this flight have conducted themselves as potential officers and upheld the high standards of the 62d WOC Company.

The May Red Cross Blood Drive was extremely successful. The company had 100 percent participation of those individuals eligible to give blood.

The Army Emergency Relief Drive was also very successful. The 62d Company collected a total of \$1,256.36.

The 62d Company provided detail personnel to help restore, repair, and set up the Boy Scout Camp ALAFLO. WOC Theodore A. Andruss also gave archery instructions at the camp.

Graduated 147 personnel from the Warrant Officer Candidate Military Development Course during the fourth quarter.

101 personnel participated in the AUSA Volksmarch.

Eight personnel, under the operational control of CW3 Blanchfield, participated in the hot air balloon display at the National Peanut Festival, Dothan, Alabama, 11-22 October 1977.

WOC class 78-11 supported the Chaplain Drive for food for the needy.

WOC class 78-5 gained 100 percent participation in membership in the Warrant Officer Association.

DA approved request for exception to promotion policy submitted by 62d Company of 14 September 77, which authorized promotion of all arriving personnel to the grade of E5 upon sign-in date as opposed to date of class start. Approval granted for the period 27 October 77 thru 16 December 77 and was a temporary measure to alleviate financial problems created by an 8 to 12 week wait to begin the course.

63D COMPANY

MISSION:

Provides administration, operations, and coordination for permanent party personnel and student officer and warrant officer personnel.

DETACHED UNITS:

Company D (Fort McClellan, Alabama)
A Company Quarry Section

ATTACHED UNITS:

108th Quartermaster Company
416th Transportation Company
427th Medical Company
123d Ordnance Detachment
91st Engineer Detachment (Firefighting)

PERSONNEL:

Battalion Commander for 1977 was:

LTC James R. Whitley 1 Jan 77 - Present

Command Sergeant Major for 1977 was:

CSM Hal S. Gladson 1 Jan 77 - Present

ACCOMPLISHMENTS:

Successfully completed its AGI.

The battalion's equipment maintenance program was initiated and included a Friday afternoon prime time stand down period coupled with maximum leadership supervision.

The battalion's PT program was instituted as a daily requirement and produced many high PT scores during the semi-annual PT test.

A Battalion maintenance refresher course for operators/drivers was initiated in February.

On 31 March Battalion fire fighting class was conducted to prepare personnel for unit fire fighting contingency plan operations.

The March to October time frame was devoted to construction ARTEP training through Post projects.

Conducted Battalion Field Training Exercise from 25 - 30 May.

Conducted a battalion 51H Squad Leaders construction training course for unit E-4, E-5, and E-6 personnel during maximum covering, planning, and construction skills.

Conducted preparation for overseas (POR) movement in June.

Conducted National Defensive Driver Course licensing in June.

Evaluated 877th Engr Bn annual training from 8 - 16 July.

Conducted Float Bridge Training from 22 - 27 July.

Battalion completed POR training exercises for all units on 17 and 18 August 1977.

Battalion participated in an Engineer CPX at Fort McClellan, Alabama, with the 412th Engineer Command on 17 - 18 August 1977.

The battalion contributed \$18,275 to the post CFC campaign. The contributions were given by 86 percent of the battalion and averaged \$15.59 per capita.

Battalion conducted a REFORGER EDRE on 6 - 9 September 1977 and satisfactorily completed a post initiated REFORGER loadout on 27 - 29 September 1977.

Battalion was visited by the new USAAVNC Deputy Commanding General, BG Patterson, on 9 September 1977.

A Battalion Guard was established in October due to the theft of some government tools from the motor pool areas. The guard force was dissolved when the tools were recovered.

The battalion deadline rate dropped from 7 percent to 6 percent during the third quarter.

The Battalion REFORGER advance party conducted aircraft loading classes at Ft. Benning in October.

The Battalion S-3 headed a task force charged with maneuver damage repair for JTX Bold Eagle. This task force deployed to Eglin Air Force Base on 31 October and returned on 11 November.

On 4 November the training emphasis was shifted from construction to combat skills.

An NBC PLL for each subordinate unit was approved and established in November 77.

An NBC Mobile Maintenance Team assisted the battalion for 3 days in November.

Four personnel were sent to NBC basic training schools to become either NBC Officers, Non-Commissioned Officers, or Enlisted Alternates.

A religious retreat was held from 18-20 November 77 at Blue Lake Assembly in Andalusia, Alabama. Twelve battalion personnel attended.

Satisfactorily completed a Post Information Security Inspection.

An Intelligence Sergeant, Reconnaissance Sergeant, and Photographer were added to the S-2 section.

The Combat Engineer/Combat Support task ARTEP Training Program was initiated on 7 November. Since that time, squads and platoons have conducted vigorous training in demolitions, mine warfare, and patrolling.

Four critically short TO&E end items were received which included the shop equipment maintenance supplement #1, medical equipment set for the Battalion Aid Station, and two tank and pump units.

A Bailey Bridge and Bridge Erection Set were approved for addition to the installation TDA for training.

In November the battalion commander and three staff officers participated in a Combat Heavy Engineer Battalion reorganization conference at Ft. Belvoir, Virginia.

Battalion PAC, SAC, and TAC System SOPs were developed in November.

The Battalion REFORGER SOP was upgraded in November.

A noise level survey of unit motor pools was conducted in November resulting in the identification of the air compressors as a noise hazardous item.

A six station round robin communication training course was established at the Battalion Combat Training Area in December.

A communications training program, to provide the battalion radio operators with basic radio techniques to operate effectively in an Electronic-Warfare environment, was established and implemented in December.

The Battalion COMSEC accounts were inspected by the regional Army Security Agency on 14 December 1977 and resulted in no deficiencies in any of the three COMSEC accounts.

The Battalion C-E Section installed the post public address system providing troop areas with retreat music.

A radio operator training packet, consisting of essential communications materials necessary to maximize transmission security, and cryptographic security was designed and distributed.

An Inter-Battalion TO&E telephone net was installed to provide daily exposure to C-E systems, to act as a ready back up system in the event of an emergency, and to provide a battalion secure telephone system during deployment exercises.

Developed a vitally needed organizational C-E maintenance program which has greatly reduced the normal workload received from the Battalion by the Post DIO Electronics Division.

Established an organizational maintenance communications equipment PLL.

A Battalion Learning Center consisting of 13 Beseler Que/See tape machines, over 200 tapes, and a reference library were established and became operational on 1 December 77.

The battalion commander, S-3, and Bn EEMO participated in an 18th Engr Bde CPX held in Germany from 1 - 10 December 77.

From 1 - 10 December the Battalion Maintenance Officer visited the 21st Support Command in Manheim, Germany, and reviewed POMCUS listings, visited pre-stock points, and compared stored ASL/PLL's against actual requirements.

The construction of a 15 station NBC course was completed on 4 December 77.

An NBC Program of Instruction (POI) for training of individuals and squads was completed on 8 December 77 and implemented on 10 December 77.

An aerial photographic OPSEC reconnaissance was conducted by the battalion during their 9 - 14 December FTX.

A Battalion Garrison SOP was developed in December.

A Direct Support Maintenance Program for a 100 percent technical inspection of engineer equipment prior to the beginning of the construction season was established in December 77.

DFAE and the 46th Engr Bn planned projects for the 1169th Reserve Engineer Groups summer annual training to be conducted at Fort Rucker, Alabama.

An Electronic-Warfare (EW) van was designed to provide the battalion with realistic EW training.

The battalion received a nuclear densometer for the Soils Analyst Section.

The battalion was very active in the Reserve Affiliation Program. The commander and primary staff met with members of the 877th Engineer Battalion in March 1977 for preliminary planning of the units summer exercise. In July the battalion evaluated the 877th and 145th Engineer Battalions during their summer annual training and expended over 1,700 manhours in conducting combat/combat engineer training for these ALANG units. In September an assistance visit was made to the 877th Engineer Battalion to assist in its annual training planning and to coordinate future assistance to be rendered. In October two assistance visits were held. The first was from 5 to 6 October 1977. The visit resulted in the finalizing of support requirements for the 877th Engr Bn FTX held on 15 - 16 October 77 and provided a better understanding of the methods of recording training accomplished and development of annual training plans. The second visit was made by fifteen officers and enlisted men from the 46th Engr Bn on 15 - 16 October 77 to Vernon, Alabama to join the 877th on a two day FTX. Training assistance was provided in the subject areas of NBC defense, security of bivouac sites, communications, erection of maintenance tents, and in general training advice to unit commanders. In December, the 46th Engr Bn sponsored and FTX and hosted a composite platoon from the 877th which was attached to B Company. The platoon was airlifted to the FTX site and trained in eight ARTEP tasks which included disabling bridges, constructing obstacles with engineer equipment, emplacing non-explosive anti-vehicular obstacles, installing deliberate protective minefields, installing point minefields, securing worksites, and reconnaissance.

HEADQUARTERS AND HEADQUARTERS COMPANY

MISSION:

Provides command, construction planning, direction, coordination and control of the engineer combat heavy battalion and attached units, and provides overall supervision of the battalion dining facility.

PERSONNEL:

Company Commanders for 1977 were:

CPT Thomas L. Bailey	1 Jan 77 - 10 Jul 77
CPT Peter L. Ng	11 Jul 77 - 31 Dec 77

First Sergeants for 1977 were:

1SG Nicholas F. Gasper	1 Jan 77 - 4 Feb 77
1SG Virginia LeBlanc	5 Feb 77 - 31 Dec 77

ACCOMPLISHMENTS:

SP4 Donald Skipper was selected as Battalion Soldier of the Month for March 1977.

During November the Battalion Consolidated Dining Facility was remodeled to improve the general dining atmosphere.

The Intelligence Sergeant attended a 6-week physical security school during October and November.

One officer attended a NBC School during the year.

Two NCOs attended NBC Schools during the year.

One officer attended Air Transportability School this year.

One EM attended an M-880 Operator course this year.

Two personnel attended an NBC Maintenance Conference.

The following events and training were conducted as indicated below:

10 - 12 Jan	FTX
17 Jan	Drug and Alcohol Classes
18 Jan	CPX
24 - 26 Jan	ARTEP
10 Feb	Quarterly Command Inspection
14 - 18 Feb	PT Test
22 - 23 Feb	Rap Classes
25 Feb	Annual General Inspection
12 - 14 Apr	Weapons Qualification
27 - 28 Apr	PT Test
10 - 11 May	Gas Chamber Exercise
31 May	¼-ton jeep class
28 - 30 Jun	Load Planning Class and tie down classes held by Air Force Personnel
25 - 29 Jul	NDDC Classes
18 Aug	Mask Confidence Training and Chamber Exercise
12 - 16 Sep	REFORGER Training
7 - 11 Nov	FTX concentrating on reconnaissance, communications, map, reading, NBC, minefields, and weapons training
9 - 14 Dec	FTX concentrating on establishing a bivouac site, site security, patrolling, and training on anti-tank warfare

A COMPANY

MISSION:

Company A, the Equipment and Maintenance Company, provides support to three construction companies responsible for horizontal and vertical construction.

PERSONNEL:

Company Commander for 1977 was:

CPT Eddie Duncan	1 Jan 77 - 31 Dec 77
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First Sergeants for 1977 were:

SFC Charles F. Dillon	1 Jan 77 - 30 Apr 77
SFC Charles E. Nelson	1 May 77 - 6 Nov 77
SFC Daniel K. Smith III	7 Nov 77 - 31 Dec 77

ACCOMPLISHMENTS:

SP5 Perry L. Nelson was selected as Battalion NCO of the Month for March 1977.

One officer and four SM attended NBC School.

Two NCOs attended NCO Academy.

Three SM attended a 25-ton crane MOS School.

One SM attended an NBC Maintenance Conference.

The following events and training were conducted as indicated below:

6 - 7 Jan	FTX
10 - 12 Jan	FTX
24 - 26 Jan	FTX

8 Feb	Weapons Qualification
11 Feb	QCI
24 Feb	Hearing Conservation Study
28 Feb	POR Qualification
23 Mar	Alcohol and Drug abuse seminar
24 Mar	Initiated Athletics and Recreation (A&R) program
31 Mar	Firefighting class
1 Apr	Physical Combat Proficiency Test (PCPT)
11 - 12 Apr	NBC Individual Training
13 - 25 Apr	NBC Team Training
23 - 26 May	FTX
30 Jun	POR Qualification
4 Aug	PCPT
17 Aug	Gas Chamber Exercise
12 - 16 Sep	Initiated Unit REFORGER
14 Nov	Initiated Combat/Combat Support ARTEP Training
18 Nov	NBC Team Training
29 Nov - 2 Dec	FTX
5 - 8 Dec	NBC Team Training
9 - 14 Dec	FTX
19 - 21 Dec	EDRE
22 Dec	FMO Inventory

CONSTRUCTION PROJECTS:

IJO H-321-T Remove housing slabs destroyed by tornado. Removed seven concrete slabs and filled and graded areas to match existing terrain.

IJO 6302-T Level area and spread topsoil at bldg 1105. Removed masonry debris where bldg 1105 was demolished, leveled area, placed topsoil, and seeded area.

IJO 0403-7 Clear Building Sites, Cleared the 3100, 7400, 7500, 7600, 8000, 9400, and 600 blocks on post by bulldozing, loading, and hauling six hundred and two 20-ton dump loads of broken concrete, brick, and debris.

IJO FR 00014 Reshaped and compacted road base, installed culvert, and applied a double surface treatment to 1½ miles of road at Hatch Stagefield.

JD 73-03 Anchored playground equipment, dug holes, and poured concrete to anchor equipment.

JD 25-76 Opened double 48" culvert on Bailey Road, and cleaned and draglined 400' of ditch.

CAP 1-77 Camp ALAFLO Road improvement. Reconstructed surface portion on road by replacing with rock and asphalt. Corrected erosion and reconstructed culvert headwalls.

CAP 9-76 Relocate Dothan Airport tower to Auburn-Opelika Airport. Provided ground support and assisted Air National Guard in rigging slings to move two sections to tower.

IJO 0115-7 Cleared emergency landing areas near Hooper Stagefield.

B COMPANY

MISSION:

Evacuates, hauls, compacts, and grades earth; provides stabilized earth subgrades for airfields and roads; constructs and rehabilitates buildings, post facilities, bridges, and drainage structures; installs and repairs utilities, and is prepared to conduct combat engineer and infantry operations as required.

PERSONNEL:

Company Commanders for 1977 were:

CPT Randy L. Beckett	1 Jan 77 - 4 Jul 77
CPT Robert W. Burkhardt	5 Jul 77 - 31 Dec 77

First Sergeants for 1977 were:

1SG Virgia LeBlanc	1 Jan 77 - 4 Feb 77
1SG Anthony Polelli	5 Feb 77 - 31 Dec 77

ACCOMPLISHMENTS:

The following events and training were conducted as indicated below:

11 - 12 Jan	Field Training Exercise
13 - 14 Jan	ARTEP Training
17 - 21 Jan	Field Training Exercise
28 Jan	Parade
1 - 3 Feb	Maintenance and accountability of unit/individual property
8 - 9 Feb	Quarterly Command Inspection
10 Feb	POR Qualification
18 Feb	NCO Classes (weekly)
24 Feb	Annual General Inspection
	Rap Classes (biweekly)
	PT (Physical Training) (daily)
	Squad Leader Time (daily)
9 Mar	A & R Program
8 Mar	Hearing Conservation
22 Mar	Council Meeting Day
28 Mar - 22 Apr	Begin Combat/Combat Support ARTEP
31 Mar	Fire Fighting Class
22 Apr	POR Qualification
25 Apr - 12 May	Construction
11 - 12 May	Supervisor Maintenance Classes
12 - 13 May	National Defensive Drivers Course Classes
13 May	Quarterly Command Inspection
16 - 20 May	REFORGER Planning and Loadout
23 - 26 May	Field Training Exercise
14 Jun	M880 Classes
17 Jun	Tool Room Inspection
28 - 30 Jun	Load Planning & Tie Down
1 Jul	Physical Training Test
8 Jul	Preparation for Overseas Movement Qualification
18 Jul - 21 Aug	Bridge Training (M4T6 & LTR)
6 - 9 Sep	REFORGER Training
12 - 16 Sep	REFORGER Training
17 - 20 Oct	Field Training Exercise
24 - 30 Oct	Spook House constructed and operated for Fort Rucker PTA (Parents Teachers Association)
28 Oct	Parade
7 Nov - 31 Dec	Initiate ARTEP (Combat/Combat Support)
9 - 14 Dec	Field Training Exercise
27 Dec	Organizational Effectiveness Study

PFC Michael Lavoie was selected as Battalion, Brigade, and Post Soldier of the Month for September 1977.

SGT James Cadden was selected as Battalion NCO of the Month for September 1977.

B Company established a "Spook House" and provided general support for the Halloween festivities at the Post Elementary School in support of fund raising for the Post Youth Activities Center.

Graduated the first on-the-job trainee in the Battalion C-E 36K MOS producing program.

One officer and four SM attended NBC schools during year.

One officer attended Air Transportability School.

One NCO attended NCO Academy.

One officer attended an Engr Equipment Repair Course.

Six SM attended a 51R30 MOS producing course.

CONSTRUCTION PROJECTS:

CD 1007-76 Original work was accomplished on 10 helipads at Cairns AAF in fall, 1975. During July 1977, noted project deficiencies were corrected.

CD 46-1012-77 Cleared a wooded area 50m wide and 50m long northeast of artillery fire point #10, Grid coordinates FK 10808330.

CD 46-1014-77 Cleared trees in an area 175m wide by 50m deep along a hilltop at artillery fire point #6, FK 17008280.

CD 1044-73 Construct campsite and bathhouse at Engineer Beach. Constructed a latrine with septic tank and disposal field, camp site pads, camp site roadways, and water distribution lines.

IJO 0314-7 Construct drive and ramp at West Beach. Constructed a 20' wide double bituminous surface drive and ramp area at Fort Rucker's Enlisted Men's Beach. Ramp was constructed from a 12" rip-rap rubble covered with a 3" sand layer and a 6" base material layer, and 66 cubic yards of redi-mix was poured.

IJO 0298-7 Longstreet culvert and roadway. Replaced 60" metal culvert, fabricated wing walls using 100 bags of cement, and raised road surface 6" with sand for approximately 3,000'.

IJO 1849-6 Constructed a latrine in the Post Range Headquarters. Two sheetrock walls, a pump house water line, and plumbing fixtures were installed. A drain was connected to the septic tank, and an electrical circuit was connected for light fixtures in the latrine.

IJO 2099-7 Repair washrack in HHC Motor Pool. Poured 4 cubic yards concrete, installed 3 new water valves, and cleaned 3 drains.

IJO 3439-T Spread rock at Florida Recreation Center. Delivered and spread five 20-ton loads of 1" - 1½" gravel.

IJO 2190-T Relocate shelter to bus terminal. Removed shelter from area near bldg 132, repaired weather damages, and formed and poured 1.5 cubic yards of concrete for a concrete pad at the bus terminal, and mounted shelter.

IJO 6285-T Demolish bldg 4404. Demolished part of bldg 4404 and placed remaining building on 10-ton lowbed and transported to the Wildlife Association.

IJO 0495-7 Construct sidewalk. This project was started by the 877th Engr Bn (CBT) (HVY) during summer training 1977. The 46th Engr Bn completed it by placing 75 yards of concrete, providing adequate drainage ditches, and landscaping.

IJO BE 00013-7 Modify Mail Room. Installed new security chain, constructed steel framed mail security container, and modified window by adding security screen in the consolidated mail room #1 in Bldg 4508.

JD 36-76 Place guard houses on designated ranges. Levelled area for and placed guard houses issued by DFAE.

JD 77-07 Design and construct fixed bridge training area. Constructed two timber Bailey Bridge abutments, two M4T6 fixed dry-span abutments, and prepared an area for the 46th Engr Bn bridge training site at FK 208711.

JD 77-06 Battalion PLL storage bins. Constructed 16 each wooden storage bins.

JD 77-09 Painting of outside doors at Bldg 4511. Painted and sanded metal doors and windows of Bldg 4511 (north side).

IJO 2325-7 Constructed 150 feet of a concrete block retaining wall, backfilled behind wall, and sodded damaged area at the Fort Rucker Elementary School.

IJO 2639-7 Install four lights and two duplex outlets. Installed 4 outdoor waterproof lights in bleachers at Matteson Range with two outdoor electrical outlets.

CAP 2-77 Augered 6 holes, set and tamped six 75' long poles, and assisted the Hartford Alabama Utility Division in erecting exterior lights for their football stadium.

CD 46-1003-77 Construction of Skeet Range at Wildlife Lake Tholocco. Obtained materials by disassembly of three buildings. Constructed five foot earthen foundation for the Skeet Range building.

CD 46-1026-77 Constructed 42 wooden picnic tables using 3000' of 2" X 4"s, 1680' of 2" X 12" and 100 pounds of nails.

IJO 0141-7 Removed wooden water tower at West Beach, Lake Tholocco.

C COMPANY

MISSION:

Evacuates, hauls, compacts, and grades and stabilizes earth subgrades for airfields and roads; constructs and rehabilitates buildings, post facilities, bridges, and drainage structures; installs and repairs utilities; and is prepared to conduct combat engineer and infantry operations as required.

PERSONNEL:

Company Commanders for 1977 were:

CPT Thomas A. Bauer	1 Jan 77 - 17 Aug 77
CPT Thomas L. Bailey	18 Aug 77 - 31 Dec 77

First Sergeants for 1977 were:

1SG Sims A Charrier	1 Jan - 3 Apr 77
1SG Lester H. Reeves	4 Apr - 31 Dec 77

ACCOMPLISHMENTS:

PFC David B. Rupp was selected as Battalion Soldier of the Month for May 1977.

Constructed the first Bailey Bridge at the new Battalion Bridge Training Area.

During the 9 - 14 December 77 FTX, the unit began destruction of a 620 foot timber bridge southeast of Newton. This bridge was secured for training after a year of negotiation with the Houston County Engineer. Each squad in the Battalion will have an opportunity to destroy two fifteen foot spans with demolitions. The first spans were destroyed by the 1st Platoon.

SP5 Charles Braddum was the NCO of the Month for October 1977.

One officer and three SM attended NBC School.

One officer attended Air Transportability School.

One SM attended NCO Academy.

Two SM attended a 25-ton crane MOS School.

One SM attended a 20-ton dump truck MOS School.

The following events and training were conducted as indicated below:

1 Feb	Demo Classes
11 Feb	Quarterly Command Inspection
14 Feb	Maintenance Refresher Classes
15 - 18 Feb	Mine Warfare and Maintenance Classes
2 Mar	Annual General Inspection
21 Mar	Insurance Classes
21 - 25 Mar	Construction
28 Mar	Snake Bite Classes
11 - 14 Apr	FTX concentrating on map reading, squad tactics, radio procedures, POWs, NBC defense, stream crossing, minefield, repelling, land navigation, patrolling, camouflage
19 Apr	100 percent unit inventory
21 Apr	Initiated Unit A & R Program
3 May	Soviet Weapons Training
11 - 12 May	Initiate Maintenance Supervisor Classes
13 - 16 Jun	Bus Driver Classes
27 Jun	PT Test
28 Jun	Tie down and Loading Classes
28 Jun	M880 and ¼-ton Classes
18 - 22 Jul	Bridge Training
25 Jul	¼-ton classes, M880
29 Jul	PT Test
6 - 9 Sep	REFORGER Training
20 Oct	Organization Day
7 - 25 Nov	Combat/Combat Support Training initiated
28 Nov	Orienteering
8 - 15 Dec	FTX on Combat/Combat Support ARTEP tasks
19 - 23 Dec	Individual NBC Proficiency Course
19 - 23 Dec	EDRE, joint unit (1st time)

CONSTRUCTION PROJECTS:

CD 46-1006-77 Target frames for zero range. Constructed 50 target frame holders of 18" long X 4" inside diameter pipe, and constructed twenty-five 2" X 4" wood target frames.

CD 46-1013-77 Cleared 5 firing lanes of trees and graded three access routes to firing lanes at the tank qualification course range.

CD 46-1014-77 Cleared a wooded area 50m wide and 200m long along the ridgeline from FK 13508055 to FK 108055 to provide an unobstructed line of sight for artillery observers at the artillery range.

CD 46-1020-77 Modification of Supply Center (SAC). Constructed two 30' stud wall partitions, a 23' long cabinet, a 25' long counter, and installed a 3' cased opening in an existing wall in building 4585 in order to provide S-4 with an area for the consolidated battalion supply center.

CD 46-1022-77 Construct Skijump Ramp. Constructed a 14' by 24' floating wooden skijump ramp at Lake Tholocco for the Fort Rucker Ski Club.

IJO BE 00040-7 Battalion Generator sheds. Erected approximately 600' of chain link fence for partitions in bldg 4706 to separate company generator maintenance and storage areas.

IJO FR 0015-7 Construct helipads at Hooper Stagefield. Placed concrete for three 20' X 20' helipads at Hooper Stagefield.

IJO FR 00016 Laid 600 square feet of sod of POL berm at Cairns AAF.

IJO 2402-6 Install chain link fence around 6000 and 8300 blocks. Erected 1740' of chain link fence around the 8300 and 6000 blocks.

IJO 2187-7 Constructed partition and counter for EEMO.

IJO 0322-7 Haul for Cairns AAF washout. Filled washout at Cairns Airfield. Hauled and stockpiled sandy clay soil materials to Cairns Airfield.

IJO 2323-7 Installed 27 sheets of 4' X 8' window security screen in Bldg 8403.

IJO 23-26-7 Hung approximately 960 square feet of sheet rock and installed 800 square feet of floor tile in Bldg 3710, 416th Company driver training classroom.

IJO 2415-7 Renovated bldg 8307 by constructing partitions to separate the building into three separate tool rooms, a supply storage area, and a mess storage area for C Company.

IJO 2558-7 Parking area, horse stables, cut trees, cleared and compacted an area 225' X 250'.

IJO 2730-7 Constructed Riding Club jumps and arenas.

IJO 3002-7 Hauled and spread fill material around concrete camping pads and graded one-half mile of access roads at the Engineer Beach campground.

IJO 3072-6 Repair drainage system at Riding Club. Graded and compacted roads, filled sand bags, tamped headwalks, and assembled and erected road signs.

IJO 9038-7 Installed 100 sheets of paneling at USAAVNC Headquarters.

IJO 9052-7 Brigade partition. Fabricated a wall frame from 2" X 4" lumber, covered wall frame with sheetrock, painted wall, and installed a pre-fab door.

IJO 9066-7 Drill competition scoreboards. Constructed score boards for annual AUSA ROTC Drill.

JD 77-10 Riding Club Horse Bridge. Bridged a 20' deep ravine by constructing a 14', class 4, timber trestle bridge at the Fort Rucker Riding Club.

JD 77-08 Removal of SERE animal cages. Removed animal cages from SERE area and relocated at Fort Rucker Wildlife Association.

JD 77-05 Battalion BOM Room. Build cabinets, made minor repairs on walls, installed plumbing and electrical circuits.

JD 77-01 Hung door for Thrift Shop. Extended walls and hung two wooden doors.

JD 77-04 Construct athletic field at Vivian B. Adams School. Constructed athletic field, to include hauling, filling, compacting, grading, and leveling its surface.

JD 72-02 Motor Cross. Constructed camel humps, enlarged track and graded.

CD 46-1030-77 Construction of a cast in place reinforced concrete structure for arms storage facility at Hanchey AAF.

IJO 2101-7 Installed lavatory for Troop Medical Clinic in bldg 4505.

CD 46-1015-77 Constructed a road around the waste pond at FK 188708 for the 108th QM and the 416th TC companies' disposal of waste from fuel tanker purging operations.

IJO 2182-7 Constructed and installed PT ladder in the 4500 block.

IJO 3947-7 Constructed a concrete sidewalk between bldg 4301 and 4501.

IJO 2730-7 Constructed and upgraded platforms at Fort Rucker Riding Club.

108TH QUARTERMASTER COMPANY

MISSION:

Provides rapid refueling and limited storage capability to the US Army Aviation Center and provides refueling and storage capability for US Army contingency missions.

PERSONNEL:

Company Commanders for 1977 were:

CPT Michael J. Amidei	1 Jan 77 - 1 Sep 77
CPT Paul E. Tommey	2 Sep 77 - 31 Dec 77

First Sergeant for 1977 was:

1SG John DeJesus	1 Jan 77 - 31 Dec 77
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ACCOMPLISHMENTS:

SP4 Ronnie McCray was selected as Battalion Soldier of the Month for January 1977.

SGT Churchill Phelps was selected as Battalion NCO of the Month for January 1977.

SP4 Jackie Hignight was selected as Battalion Soldier of the Month for February 1977.

SSG Thomas T. Taylor was selected as Battalion NCO of the Month for March 1977.

SP4 Ronnie McCray was selected as the Battalion NCO of the Month for May 1977.

Satisfactorily completed a post sponsored EDRE.

The unit responded to a request from DFAE and saved the Buckhorn Lake fish population by aerating the water for two days.

Established an NBC fallout shelter SOP.

For the AER drive, this unit collected \$1,195.00 with 100 percent participation.

Conducted 69 tactical refuel missions for the 3d quarter of 1977 in support of USAAVNC Aviation Training and Ranger Training at Eglin AFB, Florida.

SP4 Michael V. Hollingsworth was selected as Battalion Soldier of the Month for July 1977.

SP4 Bruce E. Carlson was selected as Battalion Soldier of the Month for August 1977.

Satisfactorily completed an XVIII Airborne Corps sponsored plans and procedures evaluation from 30 August - 1 September.

SSG Earlie Clark was selected as Battalion NCO of the Month for August 1977.

From 5 October to 5 November, the 108th QM Company participated in Exercise Bold Eagle 78 at Eglin AFB, Florida. The 108th QM Company handled all fuel requirements for the two divisions participating in the exercise (over 700,000 gallons of fuel provided during support), established a field communications center, and logged over 15,000 vehicular miles. The exercise ended with a 87 mile relay run back to Fort Rucker, Alabama.

On December 2 - 3, the Company Commander went to Fort Ord, California for the initial coordination meeting on Brave Shield 17.

The 108th Quartermaster radio teletype (RATT) with secure systems participated in the Bold Eagle exercise at Eglin Air Force Base. This was the first time secure RATT training was conducted in the battalion.

SP5 Bruce E. Carlson was the NCO of the Month for December 1977.

PFC William J. Hines was Soldier of the Month for October and November 1977.

One officer and two SM attended NBC School during the year.

One NCO attended the NCO Academy.

One SM attended an NBC equipment maintenance conference this year.

The following events and training were conducted as indicated below:

4 - 11 Jan	Funeral Team Practice
13 Jan	In briefing of new personnel
18 Jan	Commo Training
18 Jan	POR Qualification
1 - 4 Feb	Air Movement Training
1 - 4 Feb	Funeral Team Practice
7 Feb	POL Handling and Safety Training
8 - 10 Feb	Mask Proficiency Course
9 Feb	Breakdown, inspection, and inventory of all petroleum Supply Points

11 Feb	Cryptographic Laying Exchange Training
14 Feb	Decontamination Team Training
15 Feb	CBR Detection Team Training
16 Feb	Annual General Inspection
17 Feb	Hearing Conservation Briefing Training
25 Feb	Venereal Disease Classes
28 Feb	Rail Loadout Training
2 Mar - 8 Apr	Gallant Crew Exercise
25 Apr	Chemical Detection Team Training
27 Apr	Airborne "D" Exercise
16 May	Initiated ARTEP Training
19 May	Conducted unit run to Atlanta, Georgia
27 May	Post Airborne "D" Exercise
9 Jun	Dependent Assistance Briefing held
16 Jun	Airborne "D" Training
21 - 23 Jun	NBC Instruction
24 Jun	Range Guard
27 - 30 Jun	Communications and NBC Training
11 Jul	Ambulance driver Training
15 Jul	Airborne "D" Training
20 Jul	GPM Pump operation
25 - 29 Jul	Conducted Bus Driver Training
29 Jul	Airborne "D" preparation
8 - 11 Aug	NBC Proficiency Test held
8 - 12 Aug	Supported Level Plains with potable water
15 - 17 Aug	ARTEP Training
17 Aug	FTX and Funeral Detail
23 - 25 Aug	NBC Training
30 Aug - 1 Sep	Airborne "D" Training Exercise (by XVIII Abn Corps)
8 Sep	Convoy Training
5 Oct - 11 Nov	Operation Bold Eagle
11 Nov	Unit Run to Fort Rucker
3 - 5 Dec	NBC Training
6 Dec	COMSEC Class
12 - 14 Dec	Field Sanitation
14 Dec	NBC Class
19 - 21 Dec	Airborne "D" Exercise

416TH TRANSPORTATION COMPANY

MISSION:

Provides refueling capability to the United States Army Aviation Center and provides transportation of bulk petroleum in line haul missions as required in support of the US Army contingency missions.

PERSONNEL:

Company Commanders for 1977 were:

MAJ Robert J. Cannom	1 Jan 77 - 1 Sep 77
CPT Michael L. Jarvis	2 Sep 77 - 31 Dec 77

First Sergeant for 1977 was:

1SG Robert D. Olinger	1 Jan 77 - 31 Dec 77
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ACCOMPLISHMENTS:

SP4 Marrine McGerin was selected as Battalion Soldier of the Month for April 1977.

Initiated adventure training to supplement the regular ARTEP program. (Two platoon sized elements spent one week in the Smokey Mountain National Park in September 1977.)

Accumulated 39,000 toys under Operation Santa Claus (a "Toys for Tots" type program) and repaired 16,433 toys. The toys were distributed to needy children in 27 surrounding communities and Fort Rucker.

During the 3d quarter of 1977 drove 48,453 miles in support of aviation refuel and other USAAVNC support missions.

The unit completed the G series ARTEP tasks during October.

In October the unit conducted 1,700 line haul missions in support of Operation Bold Eagle 1978 at Eglin AFB.

The unit constructed the NBC proficiency course at the Battalion Combat Training Area.

1LT Ondishko was selected as the Post Commander's Aide-de-Camp for the month of December 1977.

Repaired building 8911 through use of the self help program. This resulted in the consolidation of two cub scout packs.

Established a "Spook House" at the Post Elementary School to support fund raising for the Youth Activity Center on Post.

SGT Walter F. Ford was NCO of the Month for November 1977.

SP4 Gail Martinez was Soldier of the Month for December 1977.

One officer and four SM attended NBC Schools during the year.

One SM attended the M880 MOS School this year.

One SM attended the NBC Equipment Maintenance Course this year.

The following events and training were conducted as indicated below:

5 Jan	Air Movement Training
11 - 13 Jan	FTX
17 - 19 Jan	EDRE
2 Feb	QCI
7 Feb	Drug Abuse Training
9 Feb	NBC Training on choking and nerve agents
17 Feb	AGI
1 - 4 Mar	FTX
7 - 14 Mar	Vehicle Recovery Operation Training
29 - 30 Mar	EDRE
3 - 6 May	ORTT Evaluation
16 - 19 May	Weapons Qualification
3 Jun	Ambush Training
2 - 5 Aug	FTX
8 - 12 Aug	Provided potable water to Level Plains after a storm
30 Aug - 1 Sep	XVIII Airborne Corps Plans and Procedures Evaluation
25 Oct	Aircraft Loading Training by Air Force
31 Oct - 4 Nov	NBC Proficiency Course

28 Nov - 2 Dec
6 - 8 Dec

12 - 16 Dec
19 - 24 Dec

NBC Testing
FTX concentrating on trailer transfer and local line haul
missions
NBC Training
EDRE

427TH MEDICAL COMPANY

MISSION:

Provides medical ambulance support to the US Army Aviation Center and provides for ground evacuation of patients in support of US Army contingency missions.

PERSONNEL:

Company Commanders for 1977 were:

CPT Bruce M. Schafer	1 Jan 77 - 26 Oct 77
1LT Barry S. Hersey	27 Oct 77 - 31 Dec 77

First Sergeant for 1977 was:

1SG Konrad A. Gasteiger	1 Jan 77 - 31 Dec 77
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ACCOMPLISHMENTS:

SP5 Patricia D. Meyer was selected as Battalion NCO of the Month for February 1977.

SP5 Richard E. Carson was selected as Battalion NCO of the Month for April 1977.

SP4 Gary A. Sullivan was selected as Battalion Soldier of the Month for June 1977.

SP5 Enorris Johnson was selected as Battalion NCO of the Month for June 1977.

SP5 Patricia D. Meyer was selected as Battalion, Brigade, and Post NCO of the Month for July 1977.

Satisfactorily prepared for and deployed to Germany for REFORGER "77" on 26 August 1977. (76,000 miles were logged on this exercise in patient evacuation prior to their return on 30 September 1977.)

Completed 20 ambulance commitments during the 3d quarter of 1977 in support of the US Army Aviation Center.

Unit returned from a successful deployment to Germany on 1 October.

Unit began ARTEP training in November to prepare for February ARTEP tests.

Unit provided USAAVNC Support at Lyster Army Hospital.

Conducted Change of Command with vehicular mounted pass in review on October 1977.

One officer and four SM attended NBC School this year.

Three SM attended Air Transportability School this year.

One officer attended an Action and Administration School this year.

One SM attended the NBC Equipment Maintenance Course this year.

The following events and training were conducted as indicated below:

4 - 5 Jan	CBR Decontamination and Communication Training
11 Jan	Thomas Let splint class and medical effect of the atom bomb
19 Jan	Classes on Cold Weather Injuries
1 Feb	Convoy procedures and Map Reading
4 Feb	Classes on Treatment of Fractures
8 - 12 Feb	Weapons Classes
18 Feb	AGI
22 Feb	European Road Signs
22 Feb	A look at the Soviet soldier
23 Feb	Conducted Night/day convoys
1 - 3 Mar	Treatment of NBC Casualties
7 Mar	Erection of 292 Antenna
8 Mar	Emergency Medical Treatment
9 Mar	Intravenous Infusimas and taking of vital signs
15 - 17 Mar	Communications
28 Mar	POR Qualification
4 - 9 Apr	Weapons qualification
18 Apr	Water Safety
26 - 28 Apr	Decontamination of vehicles
3 May	Treatment of patients enroute
4 May	Dressing of filters
10 - 14 May	Tourniquets and restricting bandage
17 - 19 May	Treatment of burns and shock
23 May	Heart message and hemorrhages
1 Jun	Drug Abuse
2 Jun	Preparing accident reports
8 Jun	Mask Confidence Course
13 Jun	Basic First Aid and Air Evacuation procedures
14 Jun	Alcohol and Drug Abuse
15 Jun	Perimeter defense and Camouflage
22 - 24 June	ORTT
7 Jul	Initiate REFORGER preparation
11 Jul	POR Qualification
1 Aug	Drown proofing
13 Oct	Received new wall lockers and began assembly
7 Nov	Crossing a contaminated area training
14 Nov	Control of bleeding and heat injuries treatment
15 Nov	Comfort and safety of patients
28 Nov	React to NBC Air attack and conduct of Motor Marches in Mine warfare
29 - 30 Nov	Convoy and FTX
15 - 19 Dec	NBC equipment training

123D ORDNANCE DETACHMENT

MISSION:

Performs final reconnaissance, identification, render safe, recovery, field evaluation, and final disposal of unexploded explosive ordnance.

PERSONNEL:

Detachment Commander for 1977 was:

CPT Steven L. Buettner

1 Jan 77 - 31 Dec 77

First Sergeants for 1977 were:

SFC Raymond O. Funderburg	1 Jan 77 - 21 Mar 77
1SG Charles Ireland	22 Mar 77 - 19 Jun 77
SSG Ronald G. Wilkins	20 Jun 77 - 31 Dec 77

ACCOMPLISHMENTS:

The following events and training were conducted as indicated below:

12 Jan	Chemical Surety Training
12 Jan	PCPT
12 Jan	Wind Meter Operational Training
26 Jan	Wire Communication and NBC Instrument Training
3 Feb	Training on air shipment packing
16 Feb	Surety Inspection
24 Feb	Individual NBC Equipment Training
25 Feb	Maintenance of Weapons Training
22 Mar	Conventional Ordnance Training
23 Mar	Nuclear Weapons Systems
24 Mar	Technical Intelligence Training
12 Apr	Map Reading Training
19 Apr	Fire Fighting Operations
21 Apr	PCPT
26 Apr	NBC Decontamination procedures Training
3 May	Fragmented Unit Operations Training
5 May	Established a personnel decontamination stadium
17 May	Rocket Wrench Training
19 May	.50 Cal Weapons Training
24 May	Security/Surety Training
26 May	Air Sampler T290 Training
16 Jun	M882 Maintenance and Operations Training
12 Jul	Dispersal of Chemicals Training
15 Jul	PCPT
20 Jul	Protective Mask Training
2 Aug	Chemical Detection Team Training
4 Aug	Nuclear Weapons Systems Training
10 Aug	Camera Sets Training
16 Aug	Mine Detection Training
31 Aug	Bomb Training
1 Sep	Grenade Training
6 Sep	Commo and Map Reading Training
7 Sep	Organize CP and Chemical Ordnance
13 Sep	Conventional Ordnance
14 Sep	First Aid Training
11 Oct	Conventional Ordnance Safety Training
12 Oct	Organization of a Biological CP Training
18 Oct	Nuclear Packing and Shipping Training
20 Oct	Map Reading Training
3 Nov	NBC Individual/Team Training

91ST ENGINEER DETACHMENT

MISSION:

Support the US Army Aviation Center by maintaining two fire trucks continuously at Knox Army Airfield to function as crash rescue units.

PERSONNEL:

Command and control comes from the 416th Transportation Company.

SECTION II

TENANT ACTIVITIES

US ARMY AIRCRAFT DEVELOPMENT TEST ACTIVITY

MISSION:

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

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

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, US Army Test and Evaluation Command (TECOM).

ORGANIZATION:

The US Army Aircraft Development Test Activity (USAADTA) was established under the Commanding General, US Army Test and Evaluation Command 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.

PERSONNEL:

Year end authorized personnel strengths were 278 military and civilian personnel. Key personnel assigned during the year were:

Commander:	COL Donald F. Hemphill, SC	1 Jan-20 Jun
	COL William F. Lang, Jr., FA	21 Jun-18 Jul
	COL William E. Crouch, Jr., FA	19 Jul-31 Dec
Deputy Commander:	COL William F. Lang, Jr., FA	1 Jan-20 Jun 19 Jul-31 Dec
Technical Director:	Dr. James S. Kishi	Jan-Dec
Executive Officer:	LTC Ray H. Kreulen	Jan-Dec
Chief, Management Division	Mr. Robert L. Hall	Jan-Dec
Chief, Plans and Methodology Division	LTC William B. Benton	Jan-Dec
Chief, Materiel Test Division	LTC Delano R. Brister	1 Jan-7 Apr
	LTC Leo A. Kramer, Jr.	8 Apr-1 May
	LTC John O. Turnage	2 May-31 Dec
Chief, Test Support Division	LTC Gregory J. Schrand	1 Jan-1 Apr
	LTC Billy W. Taylor	2 Apr-31 Dec
Commanding Officer, Headquarters Detachment/Headquarters Company	1LT Edwin E. Spain III	1 Jan-21 Oct
	CPT James E. Wilson	22 Oct-31 Dec

ACCOMPLISHMENTS:

PLANS AND METHODOLOGY DIVISION

PLANS AND PROGRAMS BRANCH

During 1977, the activity averaged seventy-five projects in the planning, testing, and reporting phases. Sixty-seven new projects were initiated. Fifty-three projects were retired to the historical files of which ten were terminated and forty-three were completed. Testing was accomplished at China Lake, California; White Sands Missile Range, New Mexico; Eglin Air Force Base, Florida; Bell Helicopter Plant, Hurst, Texas; Tropic Test Center, Panama Canal Zone; Manchester, New Hampshire; and Fort Rucker, Alabama. 10,045 flight hours were flown in accomplishment of our test programs. Of these 9,193 were flight test hours and 852 were support flight hours. Testing included the following:

MAJOR AIRCRAFT SYSTEMS

During March 1977, the USAADTA completed the Northern CONUS maturity phase testing of the UH-60A "BLACK HAWK." The testing was conducted at Fort Drum, New York, for the purpose of exposing the "BLACK HAWK" to a winter environment similar to that found in Northern Europe. Those deficiencies reported during this test have now been corrected on production UH-60's.

In September of this past year, the two-year test of the Bell Iranian 214 helicopter was concluded. This aircraft was subjected to an extensive RAM evaluation and environmental testing which included climatic hangar testing for cold weather environment at Eglin Air Force Base, Florida, while high altitude and desert testing was conducted at Pikes' Peak, Colorado, and White Sands, New Mexico, respectively.

AIRCRAFT ENGINES

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

AVIONICS SYSTEMS

Avionics testing consisted of:

- DT III Testing of AN/ARN-123 VOR Receiver
- DT/OT II Testing of AN/ARN-114 LORAN
- DT/OT II Testing of the Lightweight Doppler

AIRCRAFT SURVIVABILITY EQUIPMENT

Aircraft Survivability Equipment Programs consisted of the following:

- DT III Testing of the AN/ALQ-147 XE-1 for the OV-1D Aircraft
- DT II Testing of Engine Suppressors for the OV-1D and RU-21 Aircraft
- DT II Testing of the AN/APR-39(V) Radar Warning Receiver
- DT II Testing of the XM-130 General Dispenser
- Compatibility Testing of the XM-130 Dispenser for the OH-58
- DT II Testing for the AN/ALQ-144 Radar Jammer

ADVANCED METHODOLOGY AND INSTRUMENTATION BRANCH

Instrumentation planning efforts during 1977 consisted of preparation and submission of the FY-78 through FY-84 Instrumentation Program documents. Major accomplishments consisted of joint work with the Instrumentation Branch in processing all paper work to purchase \$418,000 worth of new instrumentation equipment to support testing. Equipment purchased provides one airborne data acquisition system, a replacement data reduction system, and test equipment to support these and existing systems. Other routine tasks included identification of hardware items to be purchased with FY-78 instrumentation funds and the preparation of specifications for these items.

The Methodology Program for 1977 consisted of updating four Test Operations Procedures. These were: "Arrival Inspections and Pre-Operational Inspections," "Physical Characteristics," "Vulnerability and Security," and "Aircraft Military Utility and Functional Tests." The Methodology Study on the Arctic Simulation Test of the Emergency Repair Shelter was also completed. Additionally, an interim report was submitted on the Flight Profiles Data Acquisition Methodology Project. This project is scheduled for completion in 1978.

MATERIEL TEST DIVISION

SYSTEMS TEST BRANCH

The Systems Test Branch completed fifteen projects during 1977. Twelve test plans and fifteen test reports were published. Some of the significant tests were:

- AN/ARN-123 Radio Receiving Sets
- LORAN XE-1 and XE-2 C/D Navigation System
- Projected Map Display
- CH-47 SFTS
- AIDAPS
- AN/ALQ-144 IR Jammer
- AN/ALQ-144 IR Jammer (Tropic Environment)
- AN/APR-39 Radar Warning Receiver
- AH-1 Performance Verification
- AN/ASN-128 XE-1 and XE-2 Doppler Navigation System
- XM-130/UH-1
- CA657 Radio Set

Systems Test Branch organized an ASE test section during the month of December due to projected workload of ASE testing. Three officers, six enlisted, and two civilians were assigned to the section. Assistance was provided to the TRADOC Aviation Board on OT tests; this comprised a major portion of Systems Branch workload.

AIRCRAFT PRODUCT IMPROVEMENT TEST BRANCH

The Aircraft Product Improvement Test Branch completed twenty-two projects during 1977. Eighteen test reports and ten test plans were published. Four quarterly and twenty monthly progress reports were published. Some of the significant tests and areas requiring major resources during the year were:

- Product Improvement Test, OH-58/250-C20B Engine
- Engineering Design Test, XM-130 Dispenser System
- Northern CONUS Winter Test of Utility Tactical Transport Aircraft System (UTTAS)
- Product Improvement Test, Multi-Hook System for CH-47
- Product Improvement Test, CH-47C Cold Chamber Starts
- Support UH-1() Helicopter Icing Test
- Initial Production Test, 214A Helicopter
- Prototype Qualification Test-Government, XM-130 Dispenser
- Configuration Test, XM-130 Dispenser on OH-58() Helicopter

RELIABILITY AND ANALYSIS BRANCH

The Reliability and Analysis Branch acquired two aerospace engineers early in 1977. This branch conducted a Reliability, Availability, and Maintainability (RAM) Analysis and Assessment for all tests conducted by ADTA which require a RAM subtest. This branch also participated in the on-site screening of RAM/LOG data collected during the Northern CONUS Winter Test of the UTTAS. Personnel from this branch were the project engineers for tests of the CH-47C Synthetic Flight Training System and the Automatic Inspection, Diagnostic, and Prognostic Systems. Engineering Performance data for several tests were analyzed and assessments were made. In addition, a Test Operating Procedure (TOP) on Vulnerability and Security Evaluation was written.

INSTRUMENTATION BRANCH

The Instrumentation Branch grew in personnel and equipment last year. Two electronic technicians and three enlisted personnel were added to the branch. Equipment for gathering data, setting up the measurement devices, and reduction of the data were added to the equipment for the branch. This equipment has given the branch the capability to collect and reduce such data as temperature, vibration, strain, pressure, airspeed, RPM, pitch, roll, and several other parameters.

The number of projects that the branch supported increased last year.

TEST SUPPORT DIVISION

LOGISTICS MANAGEMENT BRANCH

Logistics Management Branch installed the new Installation Equipment Management (IEM) System from August through December 1977. The Catalog and Property Book are operational with implementation for the utilization and maintenance portions of the system continuing.

The Branch provided logistical support to the activity as the basic mission function. The XM-130 was the most significant project. Cold weather testing at Fort Drum, New York, was supported by the branch.

HEADQUARTERS DETACHMENT/COMPANY

PERSONNEL:

Commander	1LT Edwin E. Spain III	1 Jan-21 Oct
	CPT James E. Wilson	22 Oct-31 Dec
First Sergeant	1SG Glen C. Barnes	1 Jan-31 Dec

ACCOMPLISHMENTS:

Headquarters Detachment was redesignated Headquarters Company on 15 March 1977 due to an increase of test support personnel.

Headquarters Company enlisted soldiers are temporarily billeted with Medical Company, Lyster Army Hospital. Headquarters Company is operating from temporary facilities until permanent facilities are available.

US ARMY AGENCY FOR AVIATION SAFETY

MISSION:

Within the scope and responsibilities of the Army Safety Program established by AR 10-5 and AR 385-10, determines ways and means to aid the commander at every echelon in the conservation of aviation resources to advance the combat effectiveness of the United States Army.

ORGANIZATION:

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

USAAAVS is organized internally as follows:

Office of the Commander

Directorate for Plans, Operations and Education
Directorate for Technical Research and Applications
Directorate for Aircraft Accident Analysis and Investigation
Directorate for Management Information System

The Administrative Management and Supply Division
The General Safety Division
The Legal Division
The Medical Division
The Publications and Graphics Division

The commander of USAAAVS is designated the US Army Aviation Safety Officer. In this capacity, he serves as the primary advisor and action officer on matters of aviation safety and accident prevention for the Department of the Army and its subordinate commands. He serves as a member of the Department of the Army Aviation Flight Standardization Policy Board, established IAW AR 95-63. The commander serves as principal US Army representative to the Flight Safety (FS) Working Party, North Atlantic Treaty Organization (NATO).

PERSONNEL:

COL Keith J. Rynott assumed command of USAAAVS on 1 August 1976.

COL David F. Stoutamire has been Deputy Commander since October 1976.

Principal military staff members are:

LTC Howard D. Deane, Executive Officer.
COL William M. Johnson, Director of the Aircraft Accident Analysis and Investigation Directorate.
LTC Billy B. Dooly, Director of the Technical Research and Applications Directorate.
LTC Thomas J. Warr, Director of the Plan, Operations, and Education Directorate.
MAJ John A. McHardy, Legal Officer.
LTC Daniel S. Berliner, Flight Surgeon.

Civilian members of the commander's staff are:

Mr. Harold M. Myers, Acting Director of the Management Information System Directorate.
Mr. Paul A. Dierberger, Chief of the General Safety Division.
Mr. William E. Carter, Chief of the Publications and Graphics Division.

The agency is organized in accordance with Table of Distribution and Allowances, number SFWOJ 7AA.

As of 1 January 1978, there were 161 military and civilian personnel assigned to USAAAVS, including 42 officers (including 2 officers who act as Points of Contact (POC) for the USAR and ARNG), 8 warrant officers, 18 enlisted persons, and 89 permanent and 3 temporary civil service employees.

ACCOMPLISHMENTS:

Integrated AWOAC/ASO Training. In coordination with MILPERCEN and the United States Army Aviation Center, it was determined that warrant officers attending the Aviation Warrant Officers Advanced Course (AWOAC), who are identified by MILPERCEN as candidates for a safety career, should attend the Aviation Safety Officer (ASO) Course as part of the AWOAC. This would result in a graduate leaving Fort Rucker with career school and skill school completed in one term, thus resulting in considerable dollar savings to the Army. This program was initiated with ASO Class 77-5 in August 1977 and is ongoing.

Resident Training. During the period 1 January 1977 to 1 January 1978, the following number of personnel received training as indicated:

Aviation Safety Officers (ASO)* - 160

*includes 10 Iranians

1 USCG
2 USAF

Aviation Safety NCOs (AAPMC) - 350

Aviation Accident Prevention Course (AAPC) - 120

On the Road Training. During the year, there were educational trips to both Active Army and Reserve Components. These trips are designed to increase the accident prevention awareness of the greatest number of people available at a particular location. The visits to Active Army units took place during the normal work week and those to the Reserve Components were conducted on the weekend to coincide with drill periods. Eighteen separate trips were conducted during the year; eight to Reserve Components, nine to Active Army units, and one to the Bell Activity in Fort Worth, Texas. Approximately 900 personnel of all ranks attended the courses during the year. The Active Army Category also includes a trip to the Japanese Ground Self-Defense Forces (Army Aviation) in April 1977 where 90 members of the JGSDF(AA) received three days of intensive accident prevention instruction.

Aviation Commanders Readiness Course (ACRC). Starting in April 1977, USAAAVS was asked to contribute ten hours of aviation safety instruction to the ACRC, which was designed to provide the soon to be aviation unit commander an insight into the problems he may encounter in accident prevention efforts in his unit and also to provide him with "tools" he could use to improve the overall accident prevention posture. Nine classes were conducted by Center from April - 31 December 1977 with an average of ten per class of 90 personnel.

Accident Investigation Board Training Course. In November 1976, it was determined that a need existed for training of standing accident investigation boards at units and installations. A Program of Instruction (POI) was developed and training initiated in March 1977. The training consisted of a simulated accident, with exercise of the pre-accident plan, followed by classroom instruction on problem areas encountered, as well as investigation. This training was also presented, sometimes in a shortened format, to the following groups:

Ft. Sill, OK (AA), Jul 77

Bell Plant Activity/Texas ARNG (AA, ARNG, Res, Civ), Sep 77

Florida ARNG, Sep 77

Ft. Ord, CA (AA), Nov 77

Approximately 180 personnel received the training during 1977.

Analysis of FY 76 Human Error Accidents. A report of the analysis of FY 76 Army aircraft accidents that involved human error was delivered to ODCSOPS for action. The report identified inadequacies in the aviation system that caused FY 76 accidents and actions by Headquarters, Department of the Army, to remedy these inadequacies.

Joint Services Human Factors Workshop. On 22-23 March 1977, USAAAVS hosted and chaired the Joint Services Human Factors Workshop. The purpose of the workshop was to provide a forum for the effective and orderly exchange of information on each military service's methods, problems, and solutions in the analysis of human factors data. Representatives from the USAF, Navy, Coast Guard, and Canadian Safety Centers, National Transportation Safety Board, Federal Aviation Administration, and Canadian Air Ministry were in attendance.

Analysis of Iranian Aviation Training. A report of the analysis made of the Iranian aviation training mishaps that occurred during the period of February 1974 through May 1977 was completed. This analysis was made preliminary to and in support of a safety survey of Iranian training and facilities conducted by USAAAVS. A copy of this report, "Comparison of US Army and Iranian Aviation Training Mishap Experience," was forwarded to CG, US Army Troop Support and Aviation Readiness Command, per request made by DAIG, at the conclusion of USAAAVS' briefing of the Iran safety survey.

Human Error and Materiel Failure Analysis. A report of human error and materiel failure analysis of Army aircraft accidents for the period of FY 76 and 7T-3d Qtr FY 77 was distributed to each major command, Chief, US Army Reserve, and National Guard Bureau.

Tail Rotor Analysis. Analysis was made of 121 mishaps that involved degraded control of tail rotor due to loss of component or thrust or inability to direct or control the tail rotor thrust. As a result of the analysis, ODCSOPS issued a message clarifying emergency procedure training in the event the ability to direct or control tail rotor thrust is lost.

Decal and Placard Conference. On 1-2 June 1977, USAAAVS hosted and chaired a conference on configuration/color coding of decal and placards used in aircrew stations. This conference was held to provide information to be incorporated in a letter of requirement development plan for improved lighting system for Army aircraft (ILSAA). In October 1977, "Report of Crewstation Markings and Placard Conference" was distributed.

Release of Accident Data to Manufacturers. On 24 May 1977, USAAAVS hosted a conference of Army aircraft and engine manufacturers. The purpose of the conference was to determine which accident data would aid the manufacturers in performing their own safety analyses of their products. They could then propose safety improvements to current or future Army aircraft. Final action on the release of the data is still pending due to legal complications.

System Safety. USAAAVS continued its active participation in the AAH and UH-60A system safety programs. Coordination was also effected with the TRADOC ASH System Manager on the establishment of a system safety program for the ASH. The objective of these programs is to insure that the optimum degree of freedom from hazards is designed into the aircraft.

Accident Information Retrieval System (AIRS). Phase II of the AIRS program was completed. This consisted of a feasibility study by Hamilton-Standard Division of United Technologies. The study showed that AIRS is feasible. Future plans call for the design of a "brass-board" model for laboratory testing and a packaged model for flight testing. USAAAVS, as the proponent agency, is closely monitoring the progress of this program.

Army Safety Management Information System (ASMIS) Improvements. During 1977, USAAAVS completed a comprehensive review of the ASMIS and development of a proposal to improve the system. This proposal offers the potential to realize substantial efficiency improvements and cost reductions in the operation of the system. More importantly, the recommendations will permit substantial improvement in the overall effectiveness of the ground safety effort.

OSHA Course Initiated. During 1977, USAAAVS developed and presented a one-week course entitled, "The Army Occupational Safety and Health Act Compliance Management Course." This new course provides Army safety professionals with current doctrine and guidance on effectively complying with the complex requirements associated with OSHAct. This information will impact importantly on the Army's efforts to comply with the Act with a minimum of associated cost.

Successful Water Safety Program. During 1977, USAAAVS identified key causation factors in Army accidental drownings and initiated a comprehensive countermeasure program. This program, which consisted of regulatory guidance, model lesson plans and promotional materials, and a film, contributed to a 40 percent reduction in accidental recreational drownings during 1977. This program was the first of its kind and its success opens the door for comparably effective countermeasure actions.

Awards Program. USAAAVS manages and has overall responsibility for the Department of the Army Aviation Accident Prevention Award Program outlined in AR 385-10. 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 1977 to 31 December 1977 are as follows:

<u>MERIT</u>	<u>HONOR</u>	<u>EXCELLENCE</u>	<u>BROKEN WING</u>
331	154	64	66

DODI 1000.19, Mishap Investigation, Reporting and Record Keeping. This Department of Defense directive was successfully implemented requiring the modification of the data base and the development of new programs to produce the following new DOD reports:

- a. OSHA 102FF - Summary Report of Federal Occupational Property Damage Incidents (RIN-G18).
- b. DOD Consolidated Report of Injuries and Property Damage (RIN-G19).
- c. DOD Consolidated Report of Occupational Illnesses (RIN-G20).
- d. Report of Applicable Workplace Mishaps (RIN-G21).

Army Systems Management Information System (ASMIS). Conversion and revision of the ASMIS data base to implement AR 385-40 changes and to reduce run times and storage requirements were completed. A significant improvement in throughput and ease of operation has been achieved.

Computer Analysis of Materiel Problems (CAMP). A prototype statistical procedure to provide computer analysis of materiel problems was designed and tested. The CAMP system was successfully used to accomplish a definitive study of the Fort Rucker aircraft fleet. The system is being refined and will go into full scale production during 1978.

USACSC Standard Exit Entry System (SEES). A system to interface with the SEES has been implemented providing the capability for worldwide accident data feedback via AUTODIN.

Statistical Package for the Social Sciences (SPSS). The computer based SPSS Package was used to provide a variety of statistical analyses for studies of the FLIGHTFAX questionnaires and the Army National Guard safety film questionnaires.

Reports:

a. The number of recurring safety reports (daily, weekly, monthly, etc.), which are being produced and provided to 48 DOD and civilian customers worldwide, increased from 71 in early 1977 to 99 at the beginning of 1978. This represents a 28 percent increase in recurring output, in addition to the 789 individual requests for non-recurring reports which were processed during the year.

b. USAAAVS processed and coded 18,970 input ground accident reports (DA Form 285) and 2,506 Preliminary Reports of Aircraft Mishap (PRAM). The agency also received, processed, and coded 274 2397 reports and 178 teardown analysis reports. Additionally, 2,822 Accident Exposure Documents (DA Form 2398) were received and processed.

c. In addition, USAAAVS received, processed, and coded 11,732 DA Forms 759, Aviator Flight Records (FY 76). Microfilmed 38,071 DA Forms 759, Aviator Flight Records (FY 72-73). A total of 5,198 DA Form 759 records for FY 77 were received and stored for later disposition.

FTX Participation. USAAAVS began a program of participation in major field exercises with REFORGER 77 and Bold Eagle 78. Information developed through this participation is being used for future JTX planning. Copies of the Bold Eagle 78 report were provided to units scheduled to participate in the forthcoming Brave Shield JTX in California and Nevada.

Operational Testing Participation. USAAAVS initiated a program of active participation in operational testing with observation of and comments on a concept evaluation of a portable landing light system conducted by the US Army Aviation Board. USAAAVS also had limited input to an Aviation Board test of a washing-deicing system. Expanded participation in future tests is planned.

C-12 Aircraft Assignment. Several USAAAVS personnel have attended the Beech aircraft ground school training course for the C-12. A C-12 was assigned to USAAAVS in October. This asset facilitates USAAAVS' travel in conjunction with assistance to accident investigations, as well as visits to other headquarters and units.

Accident Investigations. USAAAVS personnel assisted with 23 aircraft accident investigations during the course of the year. Assistance was rendered to US Army units in CONUS, Alaska, Korea, Europe, and the Canadian Defense Forces.

Manual Reviews and Conferences. USAAAVS personnel provided safety input to the development of operators' and maintenance manuals for the UH-1H, UH-1B/C/M, AH-1 (Mod)S, OH-58A, and OH-58C aircraft. This development involved complete rework of the manuals to conform to the new standardized format. In addition, safety input was provided to the UTTAS Maintenance Allocation Chart (MAC) Review and the DARCOM Aircraft System Product Improvement Program (PIP) Conference. The agency also provided an operational hazard analysis of the Joint Attack Weapon System (JAWS), Phase II, and participated in the Aircrew Training Manual (ATM) validation conducted at Fort Hood.

Hazard Reduction. During the past year, several potential hazards were identified and necessary action initiated to reduce or eliminate them. These included the following:

- a. Automatic parachute opening devices (Safety-of-Flight message).
- b. OH-58 engine double-check valves.
- c. OH-58 fuel shut-off valve.
- d. OH-58 rear seat cushion retention (Safety-of-Flight message).
- e. OH-6 all-metal tail rotor.
- f. CH-47 jettisonable doors (Safety-of-Flight message).

Directorate Reorganization. The Aircraft Accident Analysis and Investigation Directorate (AAA&I) underwent an internal reorganization which provided an Aircraft Systems Division and a Prevention and Investigation Division. In these divisions are systems managers responsible for monitoring all major Army aviation systems and operational regimes and coordinating necessary safety assistance to research and development, as well as operating units.

The following training films were developed and produced in FY 77 by USAAAVS:

TF 20-6041 "5-C Recipe for Inadvertent Soup" -- Increases awareness of dangers concerning flying into inadvertent weather. Describes recipe for handling the situation if encountered.

TF 46-4875 "Helicopter Power-Off Landings" -- Depicts through live action and animation the aerodynamics of autorotations and stresses safety precautions in power-off landings.

TF 46-4964 "Helicopter Wake Turbulence" -- Through the use of colored smoke, dust, tall grass, tree tops and various objects placed on the ground near aircraft, the film will visually depict the effects of rotary wing downwash for various types of aircraft at several heights. Narration will explain the cause and effects of this action.

TF 20-6039 "Thank You, Safety Sue" -- Increases awareness of dangers concerning swimming and/or use of alcohol when cold water is to be entered.

TF 46-6077 "Helicopter Mast Bumping: Causes and Prevention" -- This film depicts common causes of mast bumping and emergency procedures to be taken. Emphasis is placed on the need for proper diagnosis of any problems which might lead to mast bumping.

Significant Publications Published by USAAAVS During 1977:

FLIGHTFAX (49 weekly issues)

PREVENTER (3 quarterly issues)

SYSTEM SAFETY NEWSLETTER (3 quarterly issues)

US ARMY AVIATION DIGEST (18 pages of accident prevention material in each of 12 issues)

SHARE (2 issues)

Guide to Aviation Resources Management for Aircraft Mishap Prevention

Commanders Aviation Accident Prevention Plan

Aviation Safety Officer Handbook

TN 77-1, Weighted Rates

Staffing the Safety Office

TR 77-1, The Economic Benefits of Midair Collision Avoidance Systems

Worldwide Safety Campaigns

Posters, pamphlets, and folders were distributed for a water safety campaign (Thank You, Safety Sue) and a motorcycle safety campaign.

Iranian Aviation Accident Prevention Survey. At the direction of Headquarters, Department of the Army, a special aviation accident prevention survey was conducted for aviation training elements and operating agencies of Imperial Iranian Army aviation from 21 August to 14 September 1977. The purpose of the survey was to determine the effectiveness of the accident prevention effort in Iran. The team was composed of USAAAVS safety personnel supplemented by specialists from US Army Materiel Development and Readiness Command (DARCOM) and Directorate of Evaluation and Standardization, USAAVNC. The team chief was Colonel David F. Stoutamire, Deputy Commander, USAAAVS. Upon return to CONUS, the results of the survey were formalized and provided the appropriate Department of the Army agencies.

Aviation Safety Assistance Visit and Evaluation (ASAVE). As of 1 January 1978, 26 ASAVEs had been conducted in accordance with AR 10-29 and the USAAAVS Five-Year ASAVE Program (C). The purpose of these visits was to evaluate command implementation of the Army Aviation Mishap Prevention Program. ASAVE teams were augmented in part with standardization instructor pilots (SIPs) from the Directorate of Evaluation and Standardization (DES), USAAVNC, under a Memorandum of Agreement, executed by The Inspector General and the Deputy Chief of Staff for Operations and Plans, HQDA, in October 1976. More than 100 active Army installation/unit aviation mishap prevention programs were evaluated during the period as were similar programs at 22 USAR support facilities/flight activities and 16 ARNG support facilities/flight activities. In conjunction with the ASAVE program, USAAAVS personnel observed aviation activities associated with USAR/ARNG aviation unit training during their respective summer encampments.

ASAVE activities are summarized as follows:

Total ASAVEs	- 26
CONUS	- 23
OCONUS	- 3
Active Army Installations	- 20
USAR Spt Fac/Flt Act	- 22
ARNG Spt Fac/Flt Act	- 16
Reserve Component Summer Encampments	- 4

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.

The 1976 report indicated that the Aviation Medicine Service and the Medical Examination Service had been transferred from the Department of Primary Care and Community Medicine to the US Army Aeromedical Activity on a one year test basis. The trial period has passed and the structure has now been approved by Health Services Command.

In addition to the Aeromedical Activity dropping its provisional status and becoming permanent, so have the Department of Community Mental Health and the Clinical Support Division.

The Patient Administration Division reorganized into four branches each having an NCOIC. These branches are: Patient Accountability, Patient Affairs, Outpatient Record, and Medical Record Administration. This arrangement is designed to improve career development training on the part of these designated NCOICs.

PERSONNEL:

COL Daniel T. Sanders assumed command of the US Army Aeromedical Center in August 1977.

COL Frank S. Pettyjohn, Chief, Professional Services.

COL Edward F. Cole, Commander, Aeromedical Activity.

LTC Barbara A. Sullivan, Chief, Department of Nursing.

LTC Norbetto Restituto, Chief, Department of Radiology.

MAJ Michael Hahn, Chief of Pathology.

MAJ John Cook, Chief, Department of Medicine.

Due to the shortage of optometrists, one assigned, the backlog of eligible dependents and retirees waiting for an appointment became unacceptable - over one year. To alleviate this problem, the authorized but unfilled military requirement was converted to a civilian slot and filled. This marks the first occasion a civilian optometrist has worked at the US Army Aeromedical Center. This action exemplifies a flexible management policy allowing the job to be done one way if not the other way.

The Occupational Health Nurse slot was filled, vacated one month later, and now has been lost as an authorized position.

The US Army Aeromedical Center Safety Officer duties were moved from the Personnel Division to Health and Environment Activity. The Equal Employment Opportunity Officer duties were assigned to the Personnel Division.

Three Army Nurse Corps authorizations were converted to nurse practitioner positions to increase support in the outpatient areas. An increase of two assigned civilian Emergency Medical Technicians to the Ambulance Branch of Lyster Army Hospital has improved control of personnel and equipment in that section.

A decrease of two internists in the Internal Medicine Clinic has hampered the mission accomplishment in that area. The departure of the dermatologist in June has also resulted in a staffing problem.

There is a shortage of civilian employees in several divisions making it more difficult for some services to be performed. Civilian employment has been turbulent due to the austere funding limitation placed upon the US Army Aeromedical Center by Health Services Command. This problem is due to many year funding, hire lag, and constraints placed on efficient manpower management, which is of grave concern to this command.

ACCOMPLISHMENTS:

Training:

Eighteen (18) students completed the 81-hour Emergency Technician course. Seventeen (17) students completed the six-week Phase II 91D program. Five (5) students completed the 12-week 91C Phase II program. Eight (8) students completed the 91P Phase II training.

Fourteen (14) Department of Nursing In-Service Programs were approved by the Alabama State Nurses Association for continuing education credits.

Sixty-four (64) physicians graduated from the Army Aviation Medicine Basic Course conducted by the Aeromedical Activity. The Air Ambulance Branch (FLATIRON) flew 36 missions for 98.5 hours in support of the Aviation Medicine Course.

An abbreviated physical fitness test was administered in May to determine the condition of unit members prior to the official annual fitness test for the record which was given in the fall.

Patient Administration Division concentrated on cross-training both military and civilian personnel. This resulted in a more efficient flow of productive work due to a better understanding on the part of employees of the varied branches within the division.

Materiel:

During December, 10 new Chayes-Virginia dental chairs with units were installed in Dental

Clinic #3. Also a Central Oral Evacuation System was installed at Dental Clinic #3.

The purchase of a 300 MA GE X-ray Diagnostic Unit has been approved by the Department of the Army. Installation is programmed for completion in mid-1978.

Installation of a bulk oxygen tank for Lyster Army Hospital has greatly reduced the amount of time spent in maintenance and allows a larger amount of oxygen to be on hand at any one time for heavy usage situations.

Two (2) emergency medical service ambulances were put into service in the Ambulance Branch of the Emergency Room of Lyster Army Hospital. These new vehicles allow for improved en-route care of the patient.

An intercom system was installed in the OB Ward with connections to Labor and Delivery, and the Newborn Nursery to enhance timely communication when required. A data scope and infant blood pressure machine were installed in the Newborn Nursery to improve monitoring of newborn babies.

New curtains were installed throughout the inpatient areas as well as the dining facility. Also in the dining facility, a new pot/pan washing machine was installed which reduces the time spent in cleaning cookware.

Construction:

The ground was broken during January for a \$878,810 new 18-chair dental clinic which is scheduled to be completed in February 1978. Participating in the ceremony were MG James C. Smith, Fort Rucker's Commanding General, and COL Francis A. San Filippo, Commander of the Dental Activity. The dental clinic will be located near the majority of the troop billets for easier access for patients. Besides the 18-chair capacity, other features include a plaque control laboratory, a prosthetic laboratory, and administrative offices. Parking space will be provided by two paved parking lots.

The approval of an Urgent Minor Project to renovate existing buildings to accommodate the new organized Aviation Medicine Department encompassing both Aviation Medicine Clinic and Physical Examination Service will improve the services provided and increase the convenience for patients. This construction began in January 1978 and should be accomplished within a six month period.

Patient Care and Evacuation:

A two year accreditation certificate was issued to the US Army Aeromedical Center following a Joint Commission on Accreditation of Hospitals Survey conducted in April.

The Air Ambulance Branch (FLATIRON) flew 125 MEDEVAC missions totaling 416 hours transporting 65 military personnel, 65 dependents, and 1 civilian.

Supplemental Care Program was transferred from the Patient Administration Division to the Clinical Support Division as a result of a management survey conducted by the US Army Aeromedical Center Comptroller Division.

Health and Environment:

During the first half of October, 63 individuals were seen at US Lyster Army Hospital with complaints closely resembling food borne disease symptoms. Investigations of the circumstances indicated that all individuals had eaten the same meal at a unit picnic. To preclude further incidents of this nature, Health and Environment Activity has requested that all organizations planning activities where prepared food is to be served, contact them prior to preparation for guidance and assistance in proper food handling.

Assistance Provided Civilian Personnel:

In support of the Military Assistance to Safety and Traffic (MAST) FLATIRON flew 114 missions totaling 361 hours and carried a total of 122 patients.

Improvements:

Enlisted personnel took occupancy of the new modular buildings across from Lyster Army Hospital. The billets were officially opened during a ribbon cutting ceremony involving MG James C. Smith, Commanding General, and US Army Aeromedical personnel.

The Department of Pathology received accreditation from Health, Education, and Welfare for operation of its blood bank facility. A new automated chemistry analysis machine in the department greatly reduces turn-around time for results.

The US Lyster Army Hospital Retrospective Medical Audit Program continues to provide a comprehensive schedule of inpatient and outpatient topics. This program was a major factor in the hospital's successful Joint Commission on Accreditation of Hospitals survey. Timely submission of weekly inpatient record reports (IPDS) to Surgeon General's Office are now prepared in advance of current requirements.

Recording of dietary information/instructions for inpatient medical records has begun as recommended in the JCAH accreditation manual. The average number of diet instructions given per month increased from 200 in 1976 to 250 in 1977. This increase can be attributed to the emphasis on weight control and physical fitness.

Acquisition of an updated low-pressure, high altitude chamber seating 24 students replaces the smaller 14 person capacity chamber. This will result in lower maintenance cost and provide for safer operation in terms of reliability.

The new location of the hospital chapel allows for easier access for both patients, visitors, and staff.

The Information Desk is again staffed by available military with back-up from Red Cross volunteers. General information, as well as CHAMPUS information, is available.

Vending machines were installed to provide refreshments for patients and staff 24 hours a day. This supplements services provided by the dining facility and the Post Exchange outlet.

Relocation of both the Comptroller and Personnel Divisions to the same building occupied by Plans, Operations, and Training Division provides for one-stop administrative procedures and provides needed space for staff personnel.

Regionalization:

The system of regionalization of health services is utilized as often as possible. Keesler AFB, within our treatment facility's Department of Defense region, is the primary non-Army medical treatment facility used. Coordination of patient transfer on a case-by-case basis is the method used to effect the additional treatment. Frequent transfer of patients to Dwight D. Eisenhower Army Medical Center is done whenever the facilities at Keesler AFB are filled or unavailable. Routine medical evacuation through the established Air Force CONUS system is utilized, but has been other than fully satisfactory due to schedule changes and some flight cancellations at the routine pick-up stop at Maxwell AFB, AL. No regular communication system to alleviate this problem has been identified. Organic Army medical evacuation aircraft have been used to fill this gap in service when a breakdown occurred.

Other:

This medical facility is one of thirteen (13) facilities from the tri-services that is participating in a capitation budget demonstration. Traditionally, the different services have programed and budgeted health care resources generally on the basis of workload. The purpose of the capitation budgeting demonstration is to test an alternative approach to budgeting health care resources.

Within the limits of the test, the project will seek to determine whether (1) capitation budgets can be developed within the context of the military health service system, (2) facilities can manage their activities successfully within the framework of capitation budgets, (3) actions contributing significantly to containing costs while continuing to provide needed care of acceptable quality will be identified by command and facility care managers under the impetus of the capitation budgets, and (4) such cost-containment actions will be taken where other constraints do not stand in the way. At the close of the demonstration, the results of the test will be evaluated, and a decision made on whether to proceed with capitation budgeting in the military health services system.

The Patient Administration Division began and is continuing a comprehensive public relations campaign to inform and educate the community about the current health care situation and the CHAMPUS program and its changes. This campaign has included weekly articles in the installation newspaper, installation TV and radio announcements, distribution of CHAMPUS pamphlets, CHAMPUS briefings to units and clubs, and special orientation events open to the military community. These actions have improved the hospital's image and rapport with the surrounding population served by Fort Rucker's medical treatment facility. Also in the area of public relations, a patient handout has been distributed throughout Fort Rucker explaining symptoms of routine illness/sickness and procedures for relief in an effort to decrease the number of outpatients due to the shortage of professional staff.

Preventive dentistry activities during the National Children's Dental Health Week were officially proclaimed by MG James C. Smith. Methods to publicize the dental health week included: billboards erected at various locations throughout the post, table clinics placed at the Post Exchange, prepared radio tapes distributed to area radio stations, and an interview on a local TV talk show.

US Lyster Army Hospital was selected as one of two Army MTFs to participate in a test of Capitation Budgeting. Under this study funding resources are allocated based upon population served in a catchment area rather than the traditional workload based budget. Acknowledging the rising CHAMPUS costs, one of the goals of Capitation Budgeting is to accomplish as much "in-house" as possible. Under Capitation Budgeting, USLAH has received both OMA and CHAMPUS appropriations. However, at USLAH, the situation has not been one of underutilization but one of high productivity and low staffing in relation to workload. The immediate concern of this command is the lack of control over CHAMPUS expenditures, the lack of opportunities for trade-offs between CHAMPUS and OMA appropriations, increased reliance on CHAMPUS in light of the physician shortage, and insufficient CHAMPUS funds. Lack of controls exist because patients desiring civilian source outpatient care do not need a certificate of non-availability. Utilization rates at USLAH are high, and CHAMPUS referrals are below average for DOD. Selected medical specialties will not be filled in June 1978 such as OB-GYN. This has resulted in all new OB cases being referred to CHAMPUS and CHAMPUS funding was allocated based on historical data. To date, this facility has not received FY 78 CHAMPUS billing reports or any utilization data. This command has made a matter of record that it cannot be held responsible for funds it does not control.

US ARMY AEROMEDICAL RESEARCH LABORATORY

MISSION:

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

PERSONNEL:

The authorized US Army Aeromedical Research Laboratory (USAARL) staff consists of 122 professional, technical, and administrative personnel. This represents an increase of eight personnel for this reporting period.

The following personnel occupied key positions during 1977:

Headquarters:

COL Robert W. Bailey, MSC, Commander, 1 Jan 77 - 29 Jul 77.

COL Stanley C. Knapp, MC, Commander, 29 Jul 77 - Dec 77.

LTC William F. Carroll, MSC, Executive Officer, 1 Jan 77 - 14 Sep 77.

LTC Regginial R. Barden, MSC, Executive Officer, 17 Oct 77 - Dec 77.

CPT Stephen M. Bailey, Jr., MSC, Adjutant, 1 Jan 77 - 1 Jun 77.

CPT Raymond T. Burden, Jr., MSC, Adjutant, 1 Jun 77 - Dec 77.

Administrative Services Division:

CPT Thomas G. Harrison, MSC, Director, 1 Jan 77 - 1 Jun 77.

MAJ Pierre Allemond, MSC, Director, 1 Jun 77 - Dec 77.

Aviation Medicine Research Division:

COL Frank S. Pettyjohn, MC, Director, 1 Jan 77 - 19 Dec 77.

MAJ Joseph C. Denniston, VC, Acting Director, 19 Dec 77 - 31 Dec 77.

Aviation Psychology Division:

Kent Kimball, Ph.D., Director

Bioengineering & Life Support Equipment Division:

COL Stanley C. Knapp, MC, Director, 1 Jan 77 - 29 Jul 77.

Mr. Joe L. Haley, Acting Director, 1 Aug 77 - Dec 77.

Bio-Optics Division:

MAJ Roger W. Wiley, MSC, Director.

Bioacoustics Division:

Mr. Robert T. Camp, Jr., Director.

Technical and Logistical Services Division:

MAJ James L. Wofford, MSC, Director, 1 Jan 77 - 1 Jun 77.

Mr. Charles D. Williams, Director, 1 Jun 77 - Dec 77.

ACCOMPLISHMENTS:

Training: Thirty-one military and civilian personnel attended courses conducted by both military and civilian activities.

Materiel: Major equipment procured during the reporting period include:

Expansion Core Memory Module, 16K for 7010-00-C08-1488 Hybrid Computer System.

Model GSS10 Spatial & Spectral Scanning System.

Wilks Model 80 Micro Processor, controlled gas analyzer with Ag Br windows.

Sangamo 14 channel recorder.

Electronic Digital Pachometer.

Construction: Architectural plans for the new research facility reached the 100% review stage during the reporting period. The appropriation for construction of the new research facility was approved by Congress, and ground breaking ceremonies have been scheduled for 2 May 1978.

Inspections: The following inspections were conducted during the reporting period:

Internal Review (USAMRDC), October 1977.

Aviation Safety Inspection (USAAAVS), October 1977.

Laboratory Research Activities: USAARL research conducted during the reporting period resulted in 23 laboratory and letter reports published, and 22 papers accepted for publication.

Other: USAARL was selected to host the International Advisory Group for Aerospace Research and Development (AGARD) Aerospace Specialists Medical Panel Meeting which will be held 1-5 May 1978.

US ARMY COMMUNICATION COMMAND

MISSION:

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

PERSONNEL:

Commander	LTC Emmett F. Johnson
Executive Officer	MAJ James W. McCreedy
Deputy	Mr. Gerald H. Jones
Sergeant Major	SGM Robert M. Jones
Cdr, Headquarters & Service Company	CPT Geneva E. Curry
C, ATC Operations Division	CPT Wilby O. Campbell
C, ATC NAVAIDS Maintenance Division	Mr. Benjamin F. Howell
C, Communications Division	Mr. Samuel C. Williams
C, ARAC Division	Mr. Samuel T. Benton

ACCOMPLISHMENTS:

AIR TRAFFIC CONTROL NAVIGATIONAL AIDS (ATC NAVAIDS) MAINTENANCE DIVISION

Rehabilitated and updated the Commanders Information Television (CITV) system in bldg. 5911. Replaced deteriorated cabling and outlet boxes with standard boxes used in other buildings on post. Installed internal Educational Television Distribution Cable system in the new SFTS building. Designed, constructed, and installed a time sharing switching device on Channel 6 Weathervision operation console allowing two different sources of information to be transmitted automatically on time sharing basis without manual manipulation.

Four technicians in the TAC GCA Branch have driven Army vehicles over 1,000,000 miles in performance of their duties during the past 10 years without any type of vehicle accident; they are: Donnie D. Stevens, Jerry Oxford, G. W. Wilson, and Houston Hazzard.

The Minimum Safe Altitude Warning (MSAW) modification kit for the ARAC System was received and installed. This system enhances ARAC operational capabilities and aviation safety.

SUPPLY

Utilizing self-help within the supply unit, a supply room was built to house all telephones and related materials. Records and materials are now separated from ATC repair parts and supplies. Approximately 500 items are stocked in support of telephone service.

New storage bins were obtained to provide standard stocking methods of ATC repair parts and supplies. Stocks have been divided functionally to provide for more efficient operations of 2,255 PLL items on hand.

The supply operation was "turned-on" to Fort Ritchie Consolidated Supply Agency for transceiver operations via AUTODIN in order to cut down on lag time on requisitions.

ARMY RADAR APPROACH CONTROL (ARAC) DIVISION

The demonstrated effectiveness and reliability of the ARAC's computerized Automated Radar Terminal System (ARTS) continues to provide solutions to the increasingly complex problems of air traffic control in the Fort Rucker area. An additional 8K computer memory was installed to provide the capability of enhancing the ARTS program with the high priority Minimum Safe Altitude Warning (MSAW) System. The basis for this system was the development of a terrain map which required the ARAC Data Systems staff to interpret some 300 topographical charts to determine the highest obstacle/elevation in each two nautical mile square of airspace within a 55-mile radius of Cairns Army Airfield. This is how the ARTS MSAW works at the ARAC. "Low ALT" flashes on the radar scope and a buzzer sounds, telling controllers that an airplane is too close to the ground or an obstruction. The "low ALT" alert appears above the plane's identification on the display, enabling the controller to warn the pilot. In essence, the program works by comparing the tracked aircraft's altitude, course, and position with a terrain map which is stored in the computer's memory. In addition, when the plane is on final approach for a landing, the system compares the plane's altitude with the glide slope and warns the controller if the aircraft dips too low. MSAW is being installed at 64 ARTS sites in the United States. MSAW, having been tested at the FAA's Los Angeles International Tower, was declared operational at Cairns ARAC in August.

The following accomplishments emphasize the scope of the task of maintaining system configuration with the National Airspace System:

Jacksonville Air Route Traffic Control Center/Cairns Army Radar Approach Control Letter of Agreement was revised as the result of delegation of additional airspace in the DeFuniak Springs area to the Cairns ARAC.

Atlanta Air Route Traffic Control/Cairns Army Radar Approach Control Letter of Agreement was revised to redefine airspace along the ARAC's northern boundary.

Columbus and Montgomery Approach Control/Cairns ARAC Letters of Agreement were revised to reflect redefined airspace.

All Standard Instrument Departure procedures were revised and updated.

Primary and Satellite airport adaptation of site variable parameters for the Minimum Safe Altitude Warning Program was completed.

Official from the FAA's Southern Region Automation Staff conducted an on-site briefing for controllers and technicians on the Minimum Safe Altitude Warning program.

MSAW aural alarm installed.

Cairns video map revised to upgrade radar presentation.

The FAA conducted flight checks of the following NAVAIDS Facilities:

Cairns ILS	Cairns FPN-40	Hanchey VOR	Troy ILS
Cairns VOR	Cairns ATIS	Troy FPN-40	

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

ARAC's projected instrument operations count of 171,831 when combined with the co-located Central Control Facility's count of 6,618 indicated that 178,449 military, air carrier, air taxi, and general aviation aircraft will receive ATC service during the year.

AIR TRAFFIC CONTROL OPERATIONS DIVISION

Notification procedures established for coordination between Jacksonville Center and Cairns Tower when firing is being conducted on the ranges.

Letter of Agreement between Cairns ARAC, Cairns Tower, and Jacksonville Center on procedures to be followed when ARAC closes on weekends.

Traffic pattern altitudes were raised at Troy Municipal Airport to comply with FARs.

Support at the stagefields of the extended flight training program, which includes the Night Vision Goggle, Night Hawk (23 Aug 76), and contact night training. Effective 22 Nov 77, Toth, Allen, Highbluff, and Skelly stagefields will go from the normal 10 hour operation to 22 hour operation.

Shell Field was opened 12 Sep 77 permanently in support of the flight training program.

The Range Tower Section was opened 8 Jun 77 under the control of USACC Agency personnel. Two towers are operational now and a third is scheduled to be opened in the near future. The section has one NCOIC centrally located. An office was constructed at Range Headquarters through self-help materials.

Establishment of an additional Standard Instrument Departure (SID) from newly designated Pad "F" at Cairns AAF thus expediting IFR movements during heavy launch periods.

On-site user testing of Terminal VHF Omnidirectional Range (TVOR) was conducted at Cairns in May 1977.

Upon the recommendation of SP5 Brent, Runkle FCC, the elevation antenna was removed from the radar set which eliminated the blind area in the northwest quadrant resulting in increased coverage of the prohibited area.

Instituted supplementary classes at Radar Lab to compensate for light traffic at fields. All controllers rated during this period attended these classes with rated controllers as monitors. This ensured that trainees received scope experience while rated controllers maintained currency with live air traffic at the field. Rated controllers at Runkle FCC and GCA also utilized Radar Lab to assist in monthly currency by obtaining 15 simulated runs per month.

SP5 Eddie Mayenschein was selected as Fort Rucker USACC Agency Controller of the Year.

"Basefield Bulletin" was established to create better understanding and teamwork within the ATC Operations Division and the USACC Agency. "Keeping the troops informed."

Choice of Assignment questionnaire was implemented to assist in maintaining an affirmative, positive, person-to-person relationship with our personnel.

Stagefield/Basefield Branch Tour of ATC facility was established to enable incoming personnel to meet personnel at the facilities, see their facility layout and operation, and to develop a better understanding of the USACC mission as well as the impact each identity achieves toward accomplishment of the mission and unit goals.

Low Army Heliport was selected as Fort Rucker USACC Agency Facility of the Year.

HEADQUARTERS AND SERVICE COMPANY

Barracks personnel and administrative officers moved from buildings 129,130, and 131 on main post to building 30501 at Cairns Army Airfield.

The old mess hall in building 30501 at Cairns was converted into office space and a classroom.

COMMUNICATIONS DIVISION

Contract of Class B Telephone Service: On 11 Feb 77 an agreement was negotiated with General Telephone Company of the Southeast to provide service to all unofficial telephone subscribers located on the Fort Rucker, Alabama reservation and those outlying airfields/facilities within the immediate vicinity of Fort Rucker.

Inside Plant Branch: Installation of additional AUTOVON circuits: On 1 Sep 77, five additional AUTOVON circuits were installed to provide an improvement in the AUTOVON grade of service at this installation. This increases the total AUTOVON circuits to 41.

Outside Plant Branch. Telephone Systems Improvement Program: The Telephone Systems Improvement Program was implemented in January 1977 to identify, categorize, and correct existing deficiencies in the post telephone cable system at Fort Rucker, Alabama. This program consists of three phases and addresses the operation, maintenance, safety, and appearance of the Fort Rucker telephone system. The scope of the program covers that portion of the system from the telephone pole servicing the building or, in case of underground cabling, from the building entrance terminal to the subscriber's instrument. The three phases of this program consists of:

Phase I: Survey and identification of existing deficiencies.

Phase II: Categorize, develop work orders, prepare Bills of Material, manpower estimated, and funding requirements.

Phase III: Correction of deficiencies identified in Phase I.

Phases I and II were completed in August 1977. Phase III is programmed for FY 78.

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 "Aircrew Performance Enhancement in the Tactical Environment." The mission of the ARI Field Unit is executed by three sets of research activities: (1) to extend training research support and technical advisory services to the Commander and elements within the US Army Aviation Center. (2) to execute as an advanced development program that portion of the ARI work program which is in support of the US Army Aviation Center, and (3) to develop a Technological Base Program of research designed to provide future benefit 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 Field Unit is an activity of the Army Research Institute, an operating field activity of the Deputy Chief of Staff for Personnel.

PERSONNEL:

Mr. Charles A. Gainer is the Chief of the ARI Field Unit.

MAJ William C. White, Jr., is the Military R&D Coordinator.

Assigned strength as of December 1977 was: 1 officer, 4 enlisted, and 13 civilians.

ACCOMPLISHMENTS:

PROGRAMED RESEARCH

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 1977 are summarized below:

Task Area A. NOE, Night and Instrument Flight Training.

Research Task 1. Self-Instructional Map Interpretation Training Analysis Course (MITAC) development and evaluation.

Research Task 2. Tactical Night Terrain Flight Navigation Study.

Research Task 3. MITAC II self-paced program development.

Research Task 4. Gunner Accuracy Control Panel (GACP) and TOW missile sight video tape camera evaluation.

Research Task 5. Inflight Performance Procedure Guide.

Research Task 6. Minimum weather conditions for NOE flight/tactical instruments.

Task Area B. Flight Simulation.

- Research Task 1. UH-1 Flight Simulator night visual system evaluation/recommendations.
- Research Task 2. CH-47 Flight Simulator operational test-plan development.
- Research Task 3. Simulator camera model board study.
- Research Task 4. AH-1 weapons system operational test-plan development.
- Research Task 5. Development and specification of requirements for an Army Training Research Flight Simulator.
- Research Task 6. Research to develop specifications of future flight simulator visual systems.

Task Area C. Aviator Selection and Differential Assignment.

- Research Task 1. Validation of revised Flight Aptitude Selection Tests (FAST) battery.
- Research Task 2. Development of a Performance-based Selection System using the UH-1 Flight Simulator as a job sample testing device.
- Research Task 3. Procedures for the assignment of students to specialized training within IERW: The Aeroscout (OH-58) and the proposed Attack (AH-1) tracks.
- Research Task 4. Research to determine the causes of student washout during IERW.
- Research Task 5. "ACE" helicopter pilot selection program: Survey and rating form development and validation.

Task Area D. Aviation Training Management Methodology.

- Research Task 1. Evaluation of the Aircrew Training Manuals.
- Research Task 2. Identification and measurement of critical IERW performance variables.
- Research Task 3. Design of an Aviation Training Management Data Base.

Task Area E. Tactical Unit Proficiency.

- Research Task 1. Utility of simulators in maintenance of pilot proficiency.

TECHNICAL ADVISORY SERVICE

Technical Advisory Service (TAS) includes training research and technical consultation, within the capability of the Fort Rucker ARI Field Unit, which will be provided as requested to the Commander, US Army Aviation Center, and to all elements within the Aviation Center. If a TAS request exceeds field unit capability or is outside the aviation area, the appropriate ARI Laboratory or Field Unit is contacted for support.

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 logistics 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, the US Army Reserve, and the 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. Current personnel assigned are as follows:

LTC William A. Stanaland	Chief	Jan-Dec 77
Mr. Archie L. Gaige, Jr.	Logistic Management Specialist	Jan-Dec 77
Mrs. Joyce M. Rudd	Secretary	Jul-Dec 77

Field Maintenance Technicians assigned, including those reassigned in 1977.

Mr. Donald C. Maier	USACERCOM	Jan-Oct 77 (PCS Europe)
Mr. Kenneth R. Royal	USACERCOM	Jan-Dec 77
Mr. Norman F. Curtis	USATARCOM	Jan-Dec 77
Mr. Edsel F. Matthews	USATSARCOM	Jan-Jul 77 (Transferred to USAAVNC)
Mr. Donald Evans	ARRCOM	Jan-Jul 77 (PCS Europe)

ACCOMPLISHMENTS:

1977 was a continued period of growth for the Logistic Assistance Program which impacts upon the mission and responsibilities of the LAO at Fort Rucker. The primary growth involved responsibility for monitoring and reporting on the Army Logistics Readiness Evaluation System (ALRES) for all active Army and Reserve component units located in Alabama and Mississippi. ALRES requires closer monitoring and coordination to insure that all readiness requirements are met at the unit level.

Two major projects were undertaken during 1977. The first major project was support for annual training of the reserve components at Camp Shelby, Mississippi, during the period 15 May - 1 September 1977. A logistics support activity with representatives from Troop Support Command, Tank and Automotive Command, Armament Command, and Electronics Command was established at Camp Shelby to provide support for the reserve components. The logistics support activity operated in close coordination with Readiness Region IV and the

Combined Support Maintenance Shop of the Mississippi National Guard during the summer training program. Approximately 120,000 troops were supported during annual training at Camp Shelby. The second project was to assist the Redstone Arsenal Support Activity, Redstone Arsenal, in improving equipment support for the Munitions and Missile School to preclude any reduction in student training. The backlog of maintenance workorders due to parts on requisition in excess of 30 days has been reduced from 160 lines to approximately 30 lines. Action is ongoing to continue reducing the total lines and improve availability of components for student training.

Mr. Don Maier, Electronics Specialist, developed and conducted a 40-hour course of instruction on Digital Electronics. The course was requested by personnel involved in the repair of digital equipment and the course was attended by personnel from the USAAVNC and tenant activities. Twenty-one students were awarded certificates of completion of the course.

Mr. Archie Gaige, Supply Specialist, developed an Equipment Verification and Inspection Course as required by AR 702-8. This course was presented to USAAVNC and reserve component personnel to qualify them to verify the status of equipment for repair and/or disposal at the unit and installation level.

Mr. Archie Gaige, Supply Specialist, presented a series of classes on the microfiche and Army Materiel Data File to personnel assigned to USAAVNC and Fort McClellan, Alabama. Instruction was also presented to the reserve components in Alabama and Mississippi.

During 1977, personnel from the LAO conducted an average of 40 contacts per week with customers, with approximately one-third of these contacts being on site. A quarterly schedule of visits was maintained with the reserve components and monthly visits made to Fort McClellan, Alabama. A schedule of monthly visits to Redstone Arsenal was also initiated.

During 1977, personnel in the LAO were instrumental in cost avoidance savings in excess of \$376,000.

ARNG MULTI-MEDIA GROUP

MISSION:

Manages, coordinates, and monitors the planning and administration of all multi-media instructional systems and devices for Army National Guard (ARNG) aviation. Provides multi-media support for 66 Army Aviation Support Facilities, 13 Army Aviation Flight Activities, 4 Transportation Aircraft Repair Shops, and the Office of the Chief, Aviation Division, National Guard Bureau (NGB).

In concert with the Safety Office, ARNG Aviation Division, develops, coordinates, and manages a general safety program for the entire ARNG. Program includes all aspects of safety, primarily utilizing audiovisual presentations, written materials, and other training aids.

ORGANIZATION:

The ARNG Multi-Media Group is under the operational control of the Chief, ARNG Aviation Division, National Guard Bureau, and the military control of Headquarters, Alabama National Guard. Logistical and administrative support is provided by the US Property and Fiscal Officer (USP&FO) for Alabama.

PERSONNEL:

The Media Group is authorized six National Guard technicians, with four being audiovisual specialists.

Manager	CPT Kenneth O. Boley
Training Specialist	CW2 William W. Shawn
Media Specialist	SSG Jules M. Hobbie
Illustrator	SP6 Ronald G. Swihart

ACCOMPLISHMENTS:

The Group was 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 83 ARNG Learning Centers established at each ARNG Aviation Support Facility. During 1977 over 4,000 individual lessons covering every aspect of aviation training were furnished to those training centers.

In 1977, the Group's mission was greatly expanded to include responsibility for supporting the entire Army National Guard from a general safety point of view. This mission is accomplished in concert with the Safety Office within the Aviation Division, NGB. In addition to developing material from a general safety standpoint, the Group assisted in the formulation of lesson plans, brochures, and slides to support an Occupational Safety and Health Act (OSHA) course taught nation-wide within the Guard.

To further expand the Group's capability to support the general safety effort within the Guard, initial coordination was effected with the Army Training Support Center, Fort Eustis, VA, to involve Multi-Media in the Training Extension Course (TEC) program.

In concert with various agencies and organizations at Fort Rucker, training material was developed and produced to support several training programs utilized in the ARNG. Included in this area were packages on the Air Crew Training Manual, UH-1 Weapons Systems, UH-1 Emergency Safety Tips, and UH-1 Preflight Procedures.

DEFENSE PROPERTY DISPOSAL OFFICE

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 5 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:

Mr. Paul Miller, Chief
Mrs. Loretta Culpepper, Property Disposal Specialist

ACCOMPLISHMENTS:

During 1977 the activity accomplished the following:

Line Items Received	10,613	Acquisition Cost \$6,191,985
Line Items Disposed	10,207	Acquisition Cost \$5,957,515
Line Items Reutilized and Transferred	1,232	Acquisition Cost \$2,770,524
Line Items Donated	3,413	Acquisition Cost \$1,204,374
Usable Property Sold, Acquisition Cost	\$846,098	Proceeds \$121,645
Percent of Returns	14.4%	
Sale of Scrap, Net Tons	862	Proceeds \$ 84,277

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 1977, DPDO Rucker reutilized property valued at \$2,770,524 with \$922,177 of this being returned to the Army.

DETACHMENT 1, HEADQUARTERS 14TH AIR BASE GROUP (ATC) UNITED STATES AIR FORCE

MISSION:

Monitors the overall training provided Air Force officers attending the Initial Entry Rotary Wing (IERW) course and the Rotary Wing Qualification Course (RWQC).

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

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

ORGANIZATION:

Detachment 1 is a geographically separated unit under operational control of Headquarters Air Training Command, Deputy Chief of Staff/Operations. Administrative support is provided by the 14th Flying Training Wing, Columbus Air Force Base, Mississippi, and 3800th Air Base Wing, Maxwell Air Force Base, Alabama. The unit is composed of nine officers, two noncommissioned officers, and one civilian secretary.

PERSONNEL:

Commander	LT COL Byron W. King, Jr.
Executive/Operations Officer	MAJ Douglas F. Strahl
Assistant Operations Officer	CAPT Douglas C. VanWiggeren
Instructor Pilots	CAPT Frederic P. Manke, Jr. 1ST LT Jerome R. Miller 1ST LT William H. Payne
Director, Flight Training	CAPT Philip D. Stinson
Director, Academic Training	CAPT Martin A. Nickerson
Director, Standardization/ Evaluation	CAPT Richard A. Brust
Administrative Supervisor	MSGT James C. Roden
Personnel Specialist	SSGT Shelia M. Talley
Secretary	Mrs. Annette Collins

The detachment staff was increased by four officers during September-October 1977. These additional four officers will be instructing Air Force students in the Air Force Service Unique phase of training starting in February 1978.

ACCOMPLISHMENTS:

The United States Army Aviation Center began training Air Force helicopter pilots in March 1971. Through the end of calendar year 1977, 1009 Air Force officers have graduated from the rotary wing courses at Fort Rucker. This total includes 734 graduates of the IERW course and 275 graduates of RWQC.

During 1977, 59 Air Force officers earned their wings through the IERW course. In addition, 26 Air Force fixed-wing pilots completed RWQC training.

Detachment 1 staff officers presented over 450 hours of classroom instruction, 150 hours of Synthetic Flight Training System (SFTS) instruction, and monitored over 300 hours of flying training.

The following tenant activities were contacted but declined inclusion in the Annual Historical Supplement:

US Army Reserve Center
Fort Rucker Field Office 3d Region USACIDC
Fort Rucker Resident Agency, Def. Inves. Svc. D41RU
Fort Rucker Resident Office, 902d MI Group
Commissary

APPENDIX I

INSTALLATION COMMANDERS*

MG Gustav H. Franke - 1942

BG F. W. Manley - 1942

MG Paul J. Mueller - 1942

COL Lloyd S. Spooner - 1943

BG Eric S. Molitor - 1943

COL Martin C. Shallenberger - 1943-44

COL Henry P. Gantt II - 1944-46

BG Walter B. Luplow - 1951

BG Joseph J. Twitty - 1952

MG Crump Garvin - 1952-53

MG Robert Dulong - 1953-1954

BG Carl I. Hutton - June 1954 - June 1957

MG Bogardus S. Cairns - June 1957 - December 1958

MG Ernest F. Easterbrook - January 1959 - March 1962

BG Robert R. Williams - March 1962 - August 1963

MG Clifton F. Von Kann - August 1963 - February 1965

MG John J. Tolson - March 1965 - February 1967

MG Delk M. Oden - February 1967 - September 1970

MG Allen M. Burdett, Jr. - September 1970 - September 1973

MG William J. Maddox, Jr. - September 1973 - June 1976

MG James C. Smith - July 1976 - present

*Dates prior to 1954 are incomplete due to lack of information concerning the earliest periods of Fort Rucker.

APPENDIX II

HISTORICAL BACKGROUND

In accordance with a War Department directive issued at the request of Major General R. M. Danford, the Chief of Field Artillery, 15 officers, 21 enlisted men of the field artillery, and nine civilian instructor pilots, all holders of civilian pilot licenses were ordered on 15 January 1942 to report for temporary duty to the Field Artillery School at Fort Sill, Oklahoma, to test the concept of making light aircraft organic to the Field Artillery.

The test conducted under the direction of Lieutenant Colonel William W. Ford, proved successful and on 6 June 1942, the War Department approved organic aviation for the Field Artillery. By 1 August of that year, the Department of Air Training was organized at Fort Sill with Colonel Ford as director.

From 1945-50, the Department of Air Training added refinements to the training program. The wide-spread use of aircraft in combat resulted in students from all arms and services entering Army Aviation.

The use of aircraft by all arms and services rapidly increased the volume of training at the Department of Air Training, and led to the establishment of the US Army Aviation School at Fort Sill.

The school was established effective 1 January 1953, as a Class I activity under the Commanding General, Fourth US Army. The official birthdate was changed in 1960 to the 6th of June to coincide with the birthdate of Army Aviation.

On 25 June 1950, the Department of Air Training had about 50 members on the staff and faculty, about 100 students, and about 125 aircraft -- L-5s, L-16s, L-17s, and H-13s.

By August 1954, the staff and faculty of the Army Aviation School at Fort Sill had grown to almost 300 members. Also, there were 800 students and about 500 aircraft.

Inadequate hangar space, dispersal activities, and submarginal facilities for aviation at Fort Sill resulted in excessive costs and inefficient operations. Since Fort Sill did not have adequate facilities, plans were under study to move the Aviation School to a home of its own.

A number of possibilities were considered to relieve the Aviation School's problem. The possibility of expanding activities at Fort Sill and utilizing abandoned Frederick Air Force Base as a subpost was explored. Other facilities considered were at Shawnee and El Reno, Oklahoma; San Marcos (Gary) Air Force Base, Texas; DeRidder Army Field Forces Base, Camp Polk, Louisiana; Steward Field at Savannah, Georgia; Camp McCall, North Carolina; Fort Riley, Kansas; Camp Rucker, Alabama; and an abandoned Air Force installation at Childress, Texas.

Camp Rucker was chosen over other sites mentioned primarily because Ozark Army Air Field had three 5,000-foot runways, a number of buildings had been renovated during the Korean War at a cost of \$8 million, and huge motor parks on the reservation would serve as good heliports. Large buildings used for vehicle repair could serve as rotary wing maintenance hangars.

Fort Rucker is located in Southeast Alabama, midway between the towns of Ozark and Enterprise, on Alabama State Highway No. 85. The towns are about nine miles from the Fort, Ozark to the northeast and Enterprise to the southwest. Dothan is located 26 miles to the southeast.

A Department of the Army letter dated 23 July 1954, informed the Commandant of the Army Aviation School that, "The Secretary of the Army has approved the transfer of the Army Aviation School and the Aviation Test Section of (Army Field Forces) Board No. 1 to Camp Rucker, from Fort Sill, Oklahoma."

Brigadier General Carl I. Hutton, who had been commandant of the Army Aviation School at Fort Sill since July 1954, named Lieutenant Colonel Carlyle W. Arey as his Chief of Staff. On or about 20 August 1954, Colonel Arey departed Fort Sill for Camp Rucker with an advance party of 50.

On 28 August 1954, General Hutton departed Fort Sill and on 1 September, assumed command at Camp Rucker. The move was effected with minimum cancellation of classes, and the first course of study to get underway at Camp Rucker was a combined Army Aviation Tactics course.

The Army Aviation School was organized with five departments -- the Department of Fixed Wing Training, the Department of Rotary Wing Training, the Department of Aviation Maintenance, the Department of Tactics and General Subjects, and the Department of Publications and Non-Resident Instruction. Also included was the Army Aviation School Regiment, Combat Development Office, Office of the School Secretary, and Office of the Director of Instruction.

The first class to be graduated from the Army Aviation School after the move from Fort Sill, was a Helicopter Maintenance Class consisting of 28 enlisted students. The class had been programed for completion on 8 January 1955, but was advanced for completion prior to the Christmas holidays.

CAMP RUCKER

Fort Rucker traces its beginnings back to a depression-born soil conservation project.

On 23 October 1935, the Federal Government created the Pea River Cooperative Land Use Area, purchasing 32,251 acres of land in Dale and Coffee Counties, and paying land owners an average of \$7.46 per acre. This area was purchased by the Government as part of its resettlement and land utilization project, because farming acreage on it was sterile, eroded, and unproductive. It was subsequently leased to the state Government. The state thereafter let the poor land lie fallow and used the good land for timber and recreational purposes, such as hunting, fishing, and camping.

Due to the rapid mobilization in the summer of 1941, a planning survey was made of the area by Army Engineers and subsequently the Real Estate Branch of the War Department purchased 27,857.69 acres of land adjoining the Pea River area.

Later, the remaining land was purchased, and on 22 January 1942, the Army began construction of the Ozark Triangular Division Camp (unofficially known as Camp Rucker). A civilian army of approximately 12,000 workers began to work feverishly. They had 120 days in which to complete the camp.

On 1 May 1942, the base became officially known as the Ozark Triangular Division Camp. By this time, the civilian army of builders, timekeepers, and laborers had just about finished the camp and were disbanding when the first complement of soldiers arrived.

Upon arrival, the station complement (which was formed from existing station complements within the corps area) discovered there was not even a camp headquarters building. However, within 12 hours a battalion recreation hall was designated camp headquarters and a packing case became the first desk. None of the streets had been paved and after a rain, the camp was turned into a sea of mud.

The camp was dedicated on 1 May 1942 by Major General Gustav H. Franke of the 81st "Wildcat" Division, the first infantry unit stationed at the new post.

In June 1943, the camp was renamed in honor of Edmund Winchester Rucker, an Alabamian who served in the Confederate Army.

After the 81st Division had been transferred to the Pacific Theater, the 35th, 98th, and 66th Divisions were trained at the camp.

One of the most beautiful spots on post is the 60-acre Lake Tholocco. It was formed in 1938 by damming Claybank Creek. The lake, within the Pea River area and six miles from the cantonment site, was named with the Indian term for "great warrior" in honor of Samuel Dale, who was a famous Indian fighter and politician for whom Dale County is named.

In the latter days of the war, Camp Rucker became an infantry advanced replacement training center. At one time, a large number of German and Italian prisoners of war were quartered at Camp Rucker, and through arrangements with the government, were utilized in harvesting various farm crops throughout the "wiregrass" area at the time when farm labor was critically short.

Due to demobilization after World War II, the camp was placed on a standby status on 28 February 1946. Only a handful of Army personnel remained at the installation.

Camp Rucker remained in this status until 9 August 1950, when it was reactivated following the outbreak of hostilities in Korea. On 16 January 1951, the 47th Infantry Division -- a Minnesota-North Dakota National Guard Division -- arrived at the camp for training. The division remained at Camp Rucker until May 1954, when it was transferred to Fort Benning, Georgia, and was redesignated the Third Infantry Division.

Following the Korean War, Camp Rucker was again placed on inactive status (30 June 1954) but this order was rescinded in August, with the arrival of the US Army Aviation School. (DA GO 56, 30 June 1954)

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

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

On 16 August 1973, AH-1G AQC Class 74-4 reported to Fort Rucker for training previously conducted at Hunter AAF, Georgia, thus completing the consolidation of the United States Army Aviation School at Fort Rucker.

Since the end of the US Army's combat role in SE Asia, Army aviation concepts have been closely analyzed, and new concepts are being developed for operations in mid-to-high intensity warfare environments. The role of the armed helicopter is the subject of intense study and innovation. Nap-of-the-earth flight, requiring skills completely unique in aviation, is being constantly refined. Training programs are being updated to meet the challenge and employ the latest techniques.

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

(Excerpted from the Fort Rucker Historical Supplement for 1954-1964 and 1975.)

APPENDIX III

GLOSSARY OF ABBREVIATIONS

AAH	Advanced Attack Helicopter
AAPC	Aviation Accident Prevention Course
AAPR	Army Aviation Program Review
ACCB	Air Cavalry Combat Brigade
ACE	AH-1 Combat Effective; Aviator Combat Effective
ACE TDE	Air Combat Engagement Tactics Development Evaluation
ACRC	Aviation Commanders Readiness Course
ACS	Army Community Service
ADP	Automatic Data Processing
AGARD	Advisory Group for Aerospace Research and Development
AGI	Annual General Inspection
AH	Attack Helicopter
AHIT	Armed Helicopter Instrumented Test
AHP	Army Heliport
AIRS	Accident Information Retrieval System
AIT	Advanced Individual Training
ALMC	Army Logistics Management Center
ALMD	Aircraft Logistics Management Division
AMRDL	Air Mobility Research and Development Laboratory
AMS	Army Management Structure
APPP	Advance Procurement Planning Program
AQC	Aviator Qualification Course
A&R	Athletics and Recreation
ARAC	Army Radar Approach Control
ARSCA	Aviation Requirements for the Combat Structure of the Army
ARI	Army Research Institute
ARNG	Army National Guard
ARPRINT	Army Programs for Individual Training

ARRCOM	US Army Armament Materiel Readiness Command
ARTEP	Army Training and Evaluation Program
ASARC	Army Systems Acquisition Review Council
ASAVE	Aviation Safety Assistance Visit and Evaluation
ASF	Army Stock Fund
ASH	Advanced Scout Helicopter
ASL	Authorized Stockage Level
ASMIS	Army Safety Management Information System
ASO	Aviation Safety Officer
ATC	Air Traffic Control
ATHELO	Attack Helicopter Organization
ATLP	Army Training Literature Program
ATM	Aircrew Training Manual
AUSA	Association of the United States Army
AUTODIN	Automatic Digital Network
AUTOVON	Automatic Voice Network
AVMIS	Aviation Management Information System
AVNEC	Army Aviation Employment Conference
AVSCOM	US Army Aviation Systems Command
AWOAC	Aviation Warrant Officer Advanced Course
AWOL	Absent Without Leave
BASOPS	Base Operating Information System
BER	Budget Execution Review
BITE	Built-in Test Equipment
BMAR	Backlog of Maintenance and Repair
BOIP	Basis of Issue Plans
BOQ	Bachelor Officer Quarters
BPA	Blanket Purchase Agreement
CAMP	Computer Analysis of Materiel Problems
CBRE	Chemical, Biological and Radiological Element

CDEC	US Army Combat Developments Experimentation Command
C-E	Communications-Electronics
CE/RWID	Contract Evaluation/Rotary Wing Instrument Division
CFC	Combined Federal Campaign
CHAMPUS	Civilian Health and Medical Program of the Uniformed Services
CINC	Commander in Chief
CITA	Commercial Industrial Type Activity
CITF	Commercial Industrial Type Function
CM	Commander's Manual
COBE	Command Operating Budget Estimate
COEA	Cost and Operational Effectiveness Analysis
COM	Computer Output Microform
COMEDS	CONUS Meteorological Data System
COMSEC	Communications Security
CONUS	Continental United States
COR	Contracting Officer Representative
CPX	Command Post Exercise
CRS	Calibration Recall System
CSA	Communication Service Authorization
CTEA	Cost and Training Effectiveness Analysis
CTER	Cumulative Training Effectiveness Ratio
CTP	Collective Training Plan
DAMP/TVPP	Department of the Army Motion Picture/Television Production Program
DAPR	Department of Army Program Review
DARCOM	US Army Materiel Development and Readiness Command
DCSOPS	Deputy Chief of Staff for Operations and Plans
DCSPER	Deputy Chief of Staff for Personnel
DCSRADA	Deputy Chief of Staff - Research and Development Activity
DES	Directorate of Evaluation and Standardization
DFAE	Director of Facilities Engineering

DGFT	Department of Graduate Flight Training
DIC	Deputy Installation Commander
DIO	Directorate of Industrial Operations
DLA	Defense Logistics Agency
DOD	Department of Defense
DOFT	Department of Flight Training
DOL	Department of Labor
DPDO	Defense Property Disposal Office
DPDR	Defense Property Disposal Region
DPDS	Defense Property Disposal Service
DPI	Data Processing Installation
DRM	Directorate of Resource Management
DSARC	Defense System Acquisition Review Council
DUFT	Department of Undergraduate Flight Training
DT	Development Test; Director of Training
DTD	Directorate of Training Development
ECP	Engineering Change Proposals
EDRE	Emergency Deployment Readiness Exercise
EEMO	Engineer Equipment Maintenance Officer
EIS	Environmental Impact Statement
EOC	Emergency Operations Center
EPR	Equipment Performance Reports
EW	Electronic Warfare
FA	Field Artillery
FAA	Federal Aviation Administration
FARRP	Forward Area Rearm Refuel Point
FAST	Flight Aptitude Selection Test
FFAR	Fire and Forget Aircraft Rocket
FHMA	Family Housing Management Account

FM	Field Manual
FMO	Furnishing Management Office
FOE	Follow on Evaluation
FORSCOM	US Army Forces Command
FORSTAT	Forces Status Report
FOUO	For Official Use Only
FRG	Federal Republic of Germany
FTX	Field Training Exercise
FWMEQC	Fixed Wing Multi-Engine Qualification Course
GACP	Gunner Accuracy Control Panel
GCA	Ground Controlled Approach
GPO	Government Printing Office
GT	General Technical Aptitude Area
GTA	Graphic Training Aid
HELLFIRE	Helicopter Launched Fire and Forget Missile System
HIMS	Housing Information Management System
HRO	Housing Referral Office
HSC	Health Services Command
HQ	Headquarters
ICTP	Individual/Collective Training Plans
IEM	Installation Equipment Management
IERW	Initial Entry Rotary Wing
IG	Inspector General
IHADSS	Integrated Helmet and Display Sighting System
ILS/MT	Integrated Logistics System/Management Team
IMOI	Instrument Methods of Instruction
IMRB	Improved Main Rotor Blade
IP	Instructor Pilot
IPC	Instructor Pilot Course
IPR	In Process Review

IR	Infrared
ISD	Instructional Systems Development
ITAADS	Installation Army Authorization Document System
ITDT	Integrated Technical Documentation and Training
ITP	Individual Training Plan
JADREP	Joint Resource Assessment Data Base Report
JAWS TDE	Joint Attack Weapons Systems Tactics Development and Evaluation
JB	Job Books
JCAH	Joint Commission on Accreditation of Hospitals
JTX	Joint Training Exercise
JUMPS	Joint Uniform Military Pay System
LAO	Logistic Assistance Office
LAW	Light Antitank Weapon
LOA	Letter of Authorization
LORAN	Long Range Navigation
LORATS	Long Range Aviation Training Support
LR	Letter of Requirement
LSAR	Logistic Support Analysis Record
MACOM	Major Army Command
MAIT	Maintenance Assistance and Instruction Team
MARS	Military Affiliate Radio System
MILPERCEN	US Army Military Personnel Center
MISO	Management Information Systems Office
MITAC	Map Interpretation Training Analysis Course
MOS	Military Occupational Specialty
MP	Military Police
MPSW	Multi Purpose Submunition Warhead
MTOE	Modification Table of Organization and Equipment
MTT	Mobile Training Team
NAF	Nonappropriated funds

NAFCAB	Nonappropriated Fund Central Accounting Branch
NAFCAO	Nonappropriated Fund Central Accounting Office
NASA	National Aeronautics and Space Administration
NATO	North Atlantic Treaty Organization
NAVCOM	Navigational Communication
NAWAS	National Warning System
NBC	Nuclear, Biological, Chemical
NCO	Noncommissioned Officer
NCOES	Noncommissioned Officer Education System
NET	New Equipment Training
NGB	National Guard Bureau
NOE	Nap-of-the-Earth
NORAD	North American Air Defense Command
NPDES	National Pollutant Discharge Elimination System
NUDET	Nuclear Detonation
NVG	Night Vision Goggles
ODCSOPS	Office, Deputy Chief of Staff for Military Operations
OER	Officer Evaluation Report
OESO	Organizational Effectiveness Staff Officer
OFD	Office of Force Development
OMA	Operation and Maintenance, Army
OMAR	Operation and Maintenance, Army Reserve
OMARNG	Operation and Maintenance, Army National Guard
OMB	Office of Management and Budget
OPLAN	Operation Plan
OPSEC	Operations Security
ORSA	Operation Research/Systems Analysis
ORTT	Operational Readiness Training Test
OSD	Office of the Secretary of Defense
OSHA	Occupational Safety and Health Act

OT	Operational Test
OTEA	Operational Test and Evaluation Agency
PAC	Personnel and Administration Center
PCPT	Physical Combat Proficiency Test
PCS	Permanent Change of Station
PLL	Prescribed Load List
PM	Project Manager
POC	Point of Contact
POI	Program of Instruction
POL	Petroleum, Oils, and Lubricants
POM	Program Objective Memorandum
POMCUS	Prepositioning of Materiel Configured to Unit Sets
POR	Preparation of Replacements for Overseas Movement
POV	Privately Owned Vehicle
PRAC	Program Resource Advisory Committee
PSNCO	Personnel Staff Noncommissioned Officer
PT	Physical Training
QCI	Quarterly Command Inspection
QQPRI	Qualitative and Quantitative Personnel Requirements Information
RAM	Reliability, Availability, and Maintainability
RATT	Radio Teletypewriter
R&D	Research and Development
RDTE	Research, Development, Test, and Evaluation
RETO	Review of Education and Training of Officers
RIF	Reduction in Force
ROC	Required Operational Capability
RPA	Reserve Personnel, Army
RWART	Rotary Wing Aviator Refresher Training Course
RWD	Rotary Wing Division
RWIC	Rotary Wing Instrument Course

RWIFEC	Rotary Wing Instrument Flight Examiner Course
RWQC	Rotary Wing Qualification Course
SAC	Supply Administration Center
SAILS	Standard Army Intermediate Level System
SCIPMIS	Standard Civilian Personnel Management Information System
SEBQ	Senior Enlisted Bachelor Quarters
SEES	Standard Exit Entry System
SERE	Survival, Evasion, Resistance, and Escape
SFTS	Synthetic Flight Training System
SIDPERS	Standard Installation/Division Personnel System
SIP	Standardization Instructor Pilot
SIRS	Structural Integrity Recording System
SM	Service Member; Soldier's Manual
SOP	Standing Operating Procedure
SPSS	Statistical Package for the Social Sciences
SQT	Skill Qualification Test
SSA	Source Selection Authority
STACOM	Standardization Communication
STANFINS	Standard Army Finance System
STEPS	Self-teaching Extension Package
TAC	Tactical Air Command; Training Administration Center
TAGO	The Adjutant General Office
TAS	Technical Advisory Service
TASO	Training Aids Services Office
TC	Training Circular
TDA	Table of Distribution and Allowances
TDR	Training Device Requirement
TDY	Temporary Duty
TEC	Training Extension Course
TECOM	US Army Test and Evaluation Command

TISAL	Tactical Instrument Steep Approach and Landing System
TMSVCS	TOW Missile Sight Video Camera System
TOW	Tube launched, optically tracked, wire guided missile
TPARR	TRADOC Program Analysis Resource Review
TRADOC	US Army Training and Doctrine Command
TRAMIS	TRADOC Management Information System
TRASANA	TRADOC Systems Analysis Agency
TRCAS	TRADOC Resource Cost Accounting System
TREDS	TRADOC Educational Data System
TRM	TRADOC Review of Manpower
TRMS	TRADOC Resource Management System
TSARCOM	Troop Support and Aviation Materiel Readiness Command
TSM	TRADOC System Manager
TTE	Tactical Training Exercise
UHPT	Undergraduate Helicopter Pilot Training
USAAA	US Army Audit Agency
USAAAVS	US Army Agency for Aviation Safety
USAADCEN	US Army Air Defense Center
USAADMINCEN	US Army Administration Center and Fort Benjamin Harrison
USAADTA	US Army Aircraft Development Test Activity
USAARL	US Army Aeromedical Research Laboratory
USAARMC	US Army Armor Center
USAASC	US Army Aviation Systems Command
USAAVNC	US Army Aviation Center
USACAC	US Army Combined Arms Center
USACC	US Army Communications Command
USACERCOM	US Army Communications and Electronics Materiel Readiness Command
USAF	US Air Force
USAFAC	US Army Finance and Accounting Center
USAIS	US Army Infantry School

USALOGC	US Army Logistics Center
USAMICOM	US Army Missile Command
USAMMC	US Army Maintenance Management Center
USAEUR	US Army, Europe
USASMA	US Army Sergeants Major Academy
USATARCOM	US Army Tank-Automotive Materiel Readiness Command
USATC	US Army Training Center
USATS	US Army Transportation School
USAVRADCOM	US Army Aviation Research and Development Command
USCINCRD	Commander in Chief, US Readiness Command
USGAO	US Army General Accounting Office
USLAH	US Lyster Army Hospital
USMA	US Military Academy
USP&FO	US Property and Fiscal Officer
UTTAS	Utility Tactical Transport Aircraft System
VNE	Velocity Never Exceeded
VEQ	Visiting Enlisted Quarters
VOQ	Visiting Officers Quarters
WOAC	Warrant Officer Advanced Course
WOC	Warrant Officer Candidate
WOCMDC	Warrant Officer Candidate Military Development Course
WOSC	Warrant Officer Senior Course
WPC	Water Pollution Control
WSTEA	Weapon Systems Training Effectiveness Analysis
XO	Executive Officer
ZBB	Zero Base Budget

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