

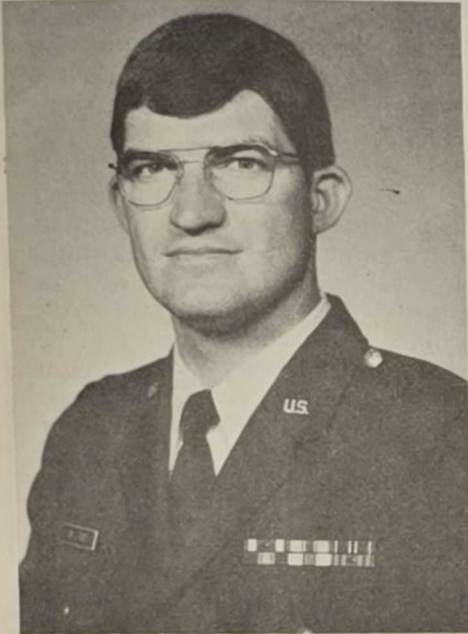


# AWS Observer

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Headquarters Air Weather Service

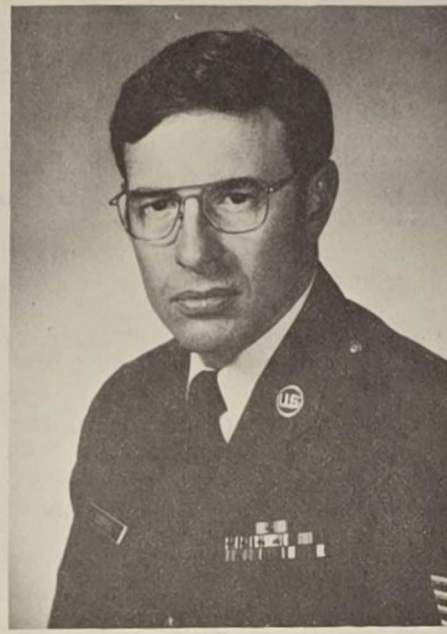
APRIL 1983



Capt. Erwin L. Williams



MSgt. John F. Mullins



TSgt Leonard L. Czepiel



SrA. Ricky A. Hiltbrand

## AWS selects 'the best' for 1982

### Junior Officer of the Year

**Capt. Erwin L. Williams** is a weather staff officer assigned as commander of Detachment 11, 1st Weather Wing, Hickam AFB, Hawaii.

Named as an AFROTC distinguished graduate, he received his commission in the Air Force June 1971. From August 1973 to November 1978, Captain Williams was assigned to AFGWC, as a meteorological computer programmer, systems analyst and manager. His next assignment took him to Carswell AFB, Texas as OIC of programming for the global Automated Weather Network.

January 1981 Captain Williams was assigned to 30th Weather Squadron, Yongsan AIN, Korea, and served as chief, Worldwide Military Command and Control System Plans and Requirements Section.

He was responsible for automating weather support to U.S. Forces Korea; achieved a second WWMCCS milestone in support of an annual JCS-command post exercise by converting a voluminous simulated weather plan to a variety of computer reports accessible to WWMCCS users around the world; he was 30th Weather Squadron resource advisor, supply officer, and safety officer. He was selected AWS safety officer of the year and received the MAC Individual Safety award for

his achievements in correcting hazards and improving safety awareness at weather units throughout Korea.

He also served as liaison officer to the Republic of Korea Air Force Weather Service. In August 1982 he assumed his duty as commander of the Det. 11, 1st WW. The detachment is responsible for supporting weather communications throughout the Pacific.

### Senior NCO of the Year

**MSgt. John F. Mullins** is chief, Weather Station Operations, Detachment 19, 15th Weather Squadron, Lajes Field, Azores.

Upon completion of basic military training at Lackland AFB, Texas, in April 1966, Sergeant Mullins received technical training as a weather observer at Chanute AFB, Ill. Since then other assignments have been as an instructor at Chanute AFB; chief weather observer at Wiesbaden AB, Germany; and on the staff at Headquarters AWS in July 1976. During this assignment, he was selected for the AWS Command Briefing Team and was one of the first NCOs in AWS to give the Commander's Resource Management briefing to the AWS commander. He completed the weather forecaster course in 1977 as an honor graduate; was assigned to Rickenbacker AFB, Ohio, where he served as a weather forecaster until

departing for his current assignment.

In his present job, he is highly effective in fostering cordial international relations with members of the Portuguese Air Force. He also developed a weather broadcast for the Armed Forces Radio and Television affiliate at Lajes which was voted the most popular locally produced program for two years in a row.

### NCO of the Year

**TSgt. Leonard L. Czepiel** is assigned to Detachment 14, 17th Weather Squadron, Norton AFB, Calif.

Sergeant Czepiel joined the Air Force in 1971. In 1974, he retrained into the weather career field; received his technical training as a weather observer at Chanute AFB, Ill.; and then was assigned to England AFB, La. In 1976 he returned to Chanute AFB and attended the weather forecaster course. Upon graduation he was assigned to Hill AFB, Utah; in 1978, staff weather NCO to I Corps, Camp Red Cloud Army Installation, Korea; and June 1979, assigned to his present job.

Sergeant Czepiel serves as detachment safety NCO. The unit had zero accidents for the entire year. He was named as one of the Jaycee's Outstanding Young Men of America in 1982. He was the only weatherman selected for the Airlift Association Airman Leadership Award. From

more than 250 eligibles, he was selected as 7th Weather Wing Career NCO for 1982.

### Airman of the Year

**SrA. Ricky A. Hiltbrand** is a weather specialist assigned as a meteorological satellite coordinator for the Forecasting Services Division, AFGWC, Offutt AFB, Neb.

Airman Hiltbrand manages the operation of the METSAT unit, responsible for the daily acquisition and distribution of 400 satellite products to 10 forecasting functions within AFGWC and to five major command weather support units.

He directed the METSAT support for the Falkland Islands crisis, SAC ORIs, Rapid Deployment Joint Task Force exercise Bright Star '82, and for six highly successful classified AF Precedence 1-1 mission forecasts.

Over the past year, Airman Hiltbrand earned AFGWC Airman of the Quarter for January-March 1982; AFGWC Airman of the Year for 1982; AFGWC nominee for Offutt AFB Airman of the Year 1982; and the AFGWC nominee for 1982 AWS Specialized Support Award.

He has greatly enhanced the AWS interface with the academic community by making satellite data available to several universities for use in their Synoptic Meteorology courses.

# Command line *Readiness through training*

We just returned from a tour of our units in the southern CONUS area, including a comprehensive 25th Weather Squadron Detco/Station Chief Conference.



Col. George E. Chapman  
AWS Commander

I wrapped up the tour with one day out in the field meeting our people deployed on Gallant Knight. The whole trip was great — but the time spent with our people on Gallant Knight was the icing on the cake. In 1982 we deployed 28,000 person days in the field to meet exercise/contingency requirements — that's fantastic for a 5,000-person command, but that's the kind of training that produces the maximum state of readiness to meet our wartime commitments. On this CENTCOM-sponsored exercise, we had 77 people from more than 20 of our units deployed, and they were super.

My last deployment on a field exercise was in 1977 as the Commander of the Weather Support Force to Exercise Solid Shield. I found some of the old challenges (communications) still remained, but a lot of progress has been made. A demonstration of the new Tactical Weather Radar was impressive,

as were the Tactical Weather System Modules. However, the real improvement I noted was in the organization and training of our people.

With the relatively recent development of the RDJTF and CENTCOM to meet our potential defense requirements in their areas of responsibility, an added burden has fallen on the 1st Weather Squadron, commanded by Col. Juri Nou, to insure we are organized and trained to meet these requirements. It's a testimony to the leadership and dedication of the 1st Weather Squadron people that we have come so far so quickly. All of our people, from the 20-plus units represented, were working together as a cohesive unit to provide support from the Army Brigade level, through the Tactical Air Forces and the Commander In Chief CENTCOM.

But we have more than we can do. I am committed to a continued upgrade of our equipment in the

near-term, using a rapidly developing technology base, so our people can more easily and effectively meet these commitments now and in the future. Our training program will continue in all areas — we have outstanding people but we must insure they get the preparation they need to enable us to meet our commitments. One challenging shortfall we have right now is in our P (parachute) qualified people. We have a combined requirement for 53 P-qualified officer and NCO forecasters and observers. These people are an essential part of our capability to project a weather support force wherever DOD may need it. If you are interested, contact Palace Weather or Chief Melson, my senior enlisted advisor.

But again, to each of you who participated in Gallant Knight, at all levels of support to the Air Force and Army, you have my salute. You did a great job. Let's keep the pattern going.

## Chief's comments: Communication and counseling

Clear, concise communication, where both parties understand each other, is the key to sound basic management. It is difficult and probably impossible, to be a good manager without it — although many have tried — and just as many have failed. Part of the definition of communication includes "giving or receiving of information" and "to make known". The latter is the important factor in this message.

Most of the problems I encountered during my three years as an enlisted advisor — including my tenure at 5th Weather Wing — were lack of communication. A very basic, positive tool, yet overlooked most of the time.

The other term most often used in conjunction with communication is counseling. This term is used both in the positive sense — outstanding job performance — and in its negative sense — poor job performance or

disciplinary action.

The words, "I need to counsel you," may not be the best approach to a communication session. Beginning a communication session with a "negative tone" will probably end in a negative tone. Words do have different meanings to different people.

There's one particular problem that I encountered which I would like to share with you. A young man telephoned me one day very upset about an APR rating. It was an overall "8" with a couple of checks in the "9" blocks. The supervisor and commander had told this young man several times that he was doing a good job — nothing else was mentioned — that meant a "9" APR to him.

When I began checking into this matter, I discovered more (or less) was involved than just the "8" APR. The supervisor had never talked to this individual about job performance or ways to improve

himself. The commander didn't believe he or the supervisor had time to talk to these young people about their current performance or their future — just let them find their way. "If I recommend to them areas which they can improve themselves, then they aren't doing it themselves—they are not at the "9" APR level."

I remembered those exact words and have run them through my mind many times. I am just thankful that my commanders and supervisors took the time to provide me guidelines for my career.

Communicating or counseling our people, as supervisors, is one of our most important tasks. We need to use our past experience to help the younger men and women make better decisions about their career — their future. They will some day be our replacements.

Maybe a quick check through your procedures on com-



CMSgt. Charles T. Melson  
AWS Senior Enlisted Advisor

municating with your people will be a tip-off as to how well your program is. If you don't have a program, maybe a quarterly session would be appropriate. Whatever kind of program you have, be sure to let the individual know where he/she stands — "8" or "9", etc. Don't let them find out after the APR is written.

## Seat belts help by Maj. Michael J. Zimmerman 2nd Weather Wing Safety Officer

"The other night my wife decided that we were going out to eat; and while we were on the road, we were involved in a hi-speed head-on collision.

The other car was passing a line of cars on a hill near a curve. Because of this, we didn't see the car until we were out of the curve as the cars he was passing hid him from view. When we saw him, the car was about 150 feet away

moving about 60 mph. We were going 50 mph ourselves. I had just enough time to lock the brakes as there was a 4-foot deep ditch along the road, so I decided to take my chances on the road. The driver of the other car thought he could pass the other cars and get back into his lane before he hit me; he almost made it.

The force of the impact destroyed both cars. He slid off the

other side of the road and mine spun 180 degrees while staying in my lane.

Of the five people in my car, the only injury was a case of "belt burn," which I received from my seat belt. The two people in the other car had minor cuts when their windshield exploded; however, they had seat belts on too and escaped serious injury.

Now, 85 percent of the people in the United States don't wear seat

belts; some for the reason that: "Why wear it if you only need it maybe once." In 10 years of driving, I've only needed my seat belts once and they were on when I needed them. Now to you, seat belts may be a pain, but for me, they made a very important difference on my family's flight back to the States; we will be in the passenger compartment in our seats and not in the luggage compartment in our coffins."

# Lesson From History: Weather's first women

by John Fuller

Women meteorologists in uniform was an idea that did not come into being until World War II. The armed services were then segregated by both race and gender, and women were paid less than men in every job specialty. Air Weather Service's policy regarding women understandably reflected War Department and Army policy.

Despite their needs for enormous amounts of people, the War Department and the Army were extremely reluctant to put women in uniform. General Dwight D. Eisenhower, for instance, was originally opposed to women in the Army. Nevertheless, President Franklin D. Roosevelt signed a bill on May 15, 1942 creating the Women's Army Auxiliary Corps. Yet it was the summer of 1943 before WAACs were converted to full Army status (women in the Army, instead of with the Army) as the Women's Army Corps. As the first women in uniform in America's history, they were an all-volunteer force, each of whom, originally, received their basic training at Fort Des Moines, Iowa. Still, the WACs never won unanimous acceptance by the military. They were often the object of ridicule and cruel jokes and low regard by males.

Although Army Air Forces commanding general "Hap" Arnold was no feminist, he was one of the WAC's most powerful champions, and his AAF used about half of the 100,000 WWII WACs. During the WAAC's early months, the Aircraft Warning Service received top priority on assignments of women in the AAF, and it was March 1943 before the AAF got WAACs for any other job specialties. The AAF early opened to women virtually all job specialties and schools. About 2,000 WACs completed training in AAF technical schools in such job specialties as Link trainer instructors, aircraft mechanics, electrical specialists, control-tower operators, cryptographers, and weather observers and forecasters. WACs were used overseas, but mostly in clerical duties. A WAC battalion was shipped to the Eighth Air Force in England in 1943, and by war's end nearly 7,000 (316 officers and 6,666 enlisted) WACs were serving overseas. WACs in the AAF accounted for themselves very well in all aspects of duty, including discipline and morale.

In a letter of March 23, 1943, AWS alerted its squadron commanders that WAAC units would be assigned to the AAF. Eight WAACs (a clerk and 7 observers) from each headquarters post company would be assigned to the local post or base weather station. Initially, WAACs (and, later, WACs) were trained and certified as weather observers at the local base weather

station under the overall supervision of the male station weather officer. Since WAC officers were to be used only for administrative purposes within the corps, the training or use of WAC officers as forecasters was temporarily set aside. A WAC officer was assigned to AWS headquarters to handle WAC affairs and, by May 1943, the first WAAC weather women were being assigned to AWS units stateside.

## First all-weather WAC section

In May-June 1944, Lt. Col. Oscar A. Heinlein, the 3rd Weather Squadron commander, established at Kelly Field, Texas, the first all-WAC weather observing section. Fourteen of the 37 WAC observers Colonel Heinlein had were assigned there, and by August 1944 he had established two additional all-WAC observing units at Bergstrom Field, Texas, and Carlsbad Army Airfield, N.M. On August 29, 1944 the first WAC officer was assigned to Heinlein's 3rd WS. A former weather observer at Bergstrom, 2nd Lt. Roberta R. Price was assigned as the assistant adjutant and assistant personnel officer.

By 1944's close, Colonel Heinlein decided to break up his all-WAC observing sections. While WAC observers proved to be quite competent in general, certain phases of duty gave them difficulty. Map plotting, charts, and general filing they did very well. But during periods of extremely severe weather the 3rd WS reported that "WAC observers do not seem to be as stable as weather observers should be." It was found that assigning one male observer on each shift helped stabilize the situation, and the all-WAC stations ran smoother. Difficulty was also encountered in coordinating weather station duties with additional duties given the WAC observers by their local WAC detachment.

An experiment in training WAC enlisted observers as forecasters was conducted briefly in 1944. Ten were sent to the Chanute Field forecaster class that began April 17 and included 60 males as well. Five WACs failed to complete the course and, as a result, AWS elected not to enter more WACs in the forecaster course.

## First graduates

The five who graduated from the Chanute forecaster course (a first) on Sept. 16, 1944 were: Sgt. Lois McFetridge, Cpl. Jean Smith (both assigned to Kelly), Sgt. Jeanette Thom and Cpl. Sarah Applebaum to Bergstrom, and Sgt. Dorothy Woodard to Carlsbad. In December 1944 Colonel Heinlein reported to AWS that the

accuracy of the forecasts prepared by McFetridge and Smith were on a par with those prepared by males.

WAC units began serving with some overseas air forces as clerical workers in the summer of 1943, some with AWS units in Europe and the Pacific. Most were apparently enlisted WACs, although one WAC officer, 1st Lt. Doris J. Witherspoon, served with AWS as an equipment specialist in the Pacific and earned a bronze service star for the Asiatic-Pacific Theater Ribbon for participation in the Western Pacific Campaign.

## WASPs formed

Relatively few WACs ever saw the inside of an aircraft in the line of duty but, in September 1942, a Women's Auxiliary Ferrying Squadron was activated. In August 1943, it was merged into an organization labeled the Women Airforce Service Pilots. The underlying idea, which was to use a small group of highly-qualified women pilots to ferry military aircraft and free male pilots for combat duty, was that of prominent American aviatrix Jacqueline Cochran. She became the WASP director for "Hap" Arnold. Her WASPs were an all-female, all-white civilian unit whose members logged over 60 million non-combat miles during the war in aircraft such as the B-29, transports, and the fastest fighters.

In late October 1943, AWS inquired about the availability of WASPs. In a reply of Nov. 11, Cochran indicated that 10 WASPs would report for duty on Nov. 26. Ten were assigned, followed by five more on Feb. 5, 1944. Their principal duty with AWS was ferrying personnel on administrative and inspection trips. Until the WASPs were disbanded on Dec. 20, 1944 AWS was well satisfied with their performance.

After the war, on June 12, 1948, Congress passed an act establishing Women in the Air Force (WAF, limited in the first two years to 300 officers and 4,000 enlisted) as a permanent part of the Air Force. One who entered the first WAF basic training squadron at Lackland AFB, Texas, in October 1948 was ex-WASP Mary E. Scantland. With her background, she became a weather observer and then completed the forecaster course as a corporal. Her application for a reserve commission was approved and, in December 1951, Mary was commissioned as a first lieutenant. As a forecaster, she was assigned with the 20th Weather Squadron at Itazuke AB, Japan, in the summer of 1952 amidst the Korean War. Having flown 11 types of aircraft as a WASP (including the P-38, P-39, P-40, P-47, and P-51), she

found herself giving weather briefings to combat pilots who had less military flying time than she had.

The first WAF to command an AWS detachment was Maj. Jean D. Armstrong. A Brooklyn native, and graduate of Brooklyn College, she entered Officer Candidate School at Fort Des Moines in November 1945, and emerged as a second lieutenant. She graduated from the officer forecaster course at Chanute in 1948 and, following a tour at the base weather station at Pope AFB, N.C., and attendance at the Air Tactical School, she was transferred to Germany in August 1950. She was assigned to the 18th Weather Squadron's detachment at Frankfurt.

On August 22, 1951, she assumed command of it. Located at Frankfurt Flight Service, the detachment was comprised of five male forecasters and 10 WAF observers whose duty it was to monitor all weather reports from Military Air Transport Command trans-Atlantic aircraft, and coordinate with flight service to issue weather advisories to all USAF aircraft.

Black WACs had faced even more severe discrimination than their white sisters in uniform. Army policy limited blacks to 10.6 percent of the total WAC strength. At the height of the AAF's WAC program, 10 black units were being utilized, representing some 1,100 women.

AWS' all-black detachment at Tuskegee AAF, Ala., evidently did not use WAC observers, but one of the first so employed after the war was Alice L. Hill. In December 1947, AWS wrote its senior weather officer in Germany, noting that "if there is any way that you could use colored personnel, we could send you some highly qualified officers and men, in addition to some who could be used in in-station training." How the colonel responded is not known, but it was another two years before the 18th WS had its first black enlisted man assigned. He was not a weatherman.

Following shortly, however, was Alice Hill, a two-striper observer assigned to squadron headquarters at Wiesbaden. Alice went on to an outstanding career in AWS, pioneering as a black weather woman in uniform and earning the respect of all who worked with her as a professional of the first magnitude. In 1971 she became the first weather woman in AWS, white or black, to achieve the rank of chief master sergeant. "Things were different then," Alice was quoted, recalling her enlistment in the Air Force in 1949; it was "not too open race-wise" and "I wanted to do something different." She did!

Col. George E. Chapman  
AWS Commander

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# Redeployment concludes Team

The Military Airlift Command has returned more than 15,000 troops and their equipment to their home stations, bringing exercise Team Spirit 83 to an end.

Using C-5 Galaxys, C-141B Starlifters, C-130 Hercules and CRAF-contracted civilian aircraft, MAC handled airlift requirements for deployment and redeployment of participating forces and their equipment, as well as resupply of the forces and aeromedical evacuation during the employment phase of the exercise. MAC security police also participated.

In addition, MAC people from Air Weather Service and Aerospace Rescue and Recovery Service units supported Team Spirit. Audiovisual documentation of the exercise was handled by MAC's Aerospace Audiovisual Service.

MAC airlifted a combined total of 30,600 troops and nearly 9,000 tons of equipment in the deployment and redeployment phases.

Army Gen. Robert W. Sennewald said the exercise paid "high dividends," both in improved proficiency and in the ability of American and Korean forces to operate as an effective combined fighting force.

"The tactics, techniques and procedures which we practiced during Team Spirit will provide the foundation for success in combat should the need arise," he said.

General Sennewald is commander in chief of the United Nations Command and Combined Forces Command, and also serves as commander of U.S. forces in Korea and the 8th U.S. Army. (MNS)

## MAC has two firsts in Team Spirit

The Military Airlift Command recorded two firsts in this year's Team Spirit exercise in Korea — participation of a cargo-carrying Civil Reserve Air Fleet convertible passenger aircraft and deployment of the personnel mobile computer van.

Although CRAF aircraft have been routinely used to transport passengers and cargo to and from overseas exercise areas, this was the first time the World Airways DC-10 convertible passenger aircraft — normally used to carry passengers — was configured for strictly cargo use, according to Lt. Col. Michael A. Harden, MAC Plans deputy assistant for civil air.

Passenger seats and galleys were removed and replaced with rails and locks to accommodate cargo.

"CRAF plays an important role in the nation's mobility plan," said Colonel Harden. Selected aircraft from U.S. airlines are contracted to support Department of Defense requirements in emergencies when the airlift need exceeds the military aircraft capability.

"This was an extremely important test of our CRAF capability," said Colonel Harden. "If an emergency should arise, we know we have plenty of passenger aircraft — our shortfall is in cargo-carrying capability."

"This gave us a chance to ensure the convertible aircraft can meet our needs should CRAF be activated to play a major role in a contingency."

Together the World Airways DC-10 and a Flying Tiger 747 aircraft moved 675 tons of cargo in seven missions to Korea. Other CRAF aircraft transported 5,895 troops to Korea and returned 5,640. Plans called for 33 missions for both cargo and passenger missions.

Another first for Team Spirit was the deployment of the Personnel Support for Contingency Operations or PERSCO mobile computer van. A MAC C-141 transported the van to and from Korea.

The streamlined 15,000-pound vehicle contains a Honeywell computer and tows a 5,000-pound trailer with two 15-kilowatt generators. It tested its ability to operate in cold weather and to keep track of everyone in country rather than at just one specific location.

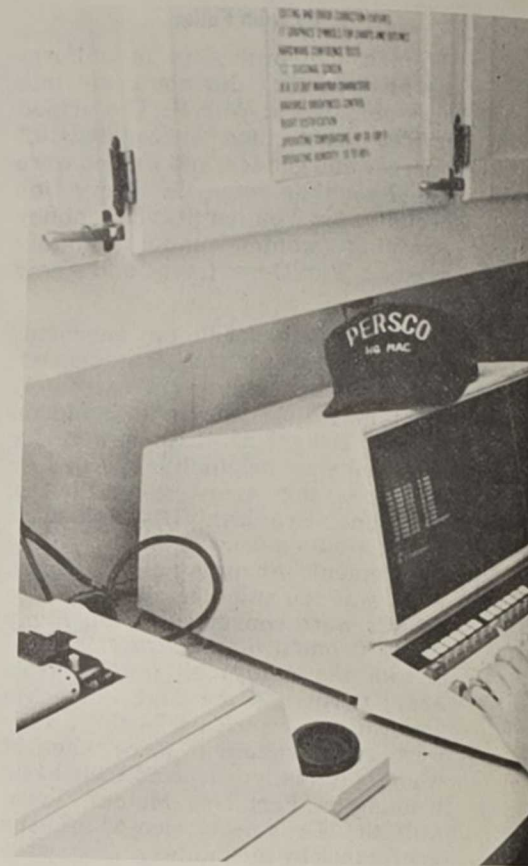
According to Maj. Pryor Timmons, a MAC Personnel contingency war plans officer, the van and its team was able to account for all Air Force people TDY to Korea for Team Spirit.

A six-member team from the 60th Air Base Group at Travis AFB, Calif., and a four-member team from Scott AFB, worked at the van and at minicomputers at various locations in Korea. The minicomputers were linked to the PERSCO van by telephone lines to give Air Force commanders and their staffs detailed information on all exercise participants.

Ironically, this latest in mobile personnel computers traces its origin to Korea in January 1968. That's when the North Koreans seized the USS Pueblo and its crew, and a massive deployment to the Pacific began. It was up to personnel units to account for the people which proved to be a difficult task without automated support.

It took several years for solid state miniaturization to catch up, but the result was the PERSCO van which eliminates the problem of personnel accountability, according to Major Timmons.

"The PERSCO computer maintained personnel data on 36,000 deployed people," Major Timmons said. "The data were a 200-character minirecord of necessary information. Commanders at all levels knew the names of arriving people, where they were coming from, when and where they would work. Even the individuals' home stations were informed that they arrived. And all this information was available at the touch of a fingertip." (MNS)

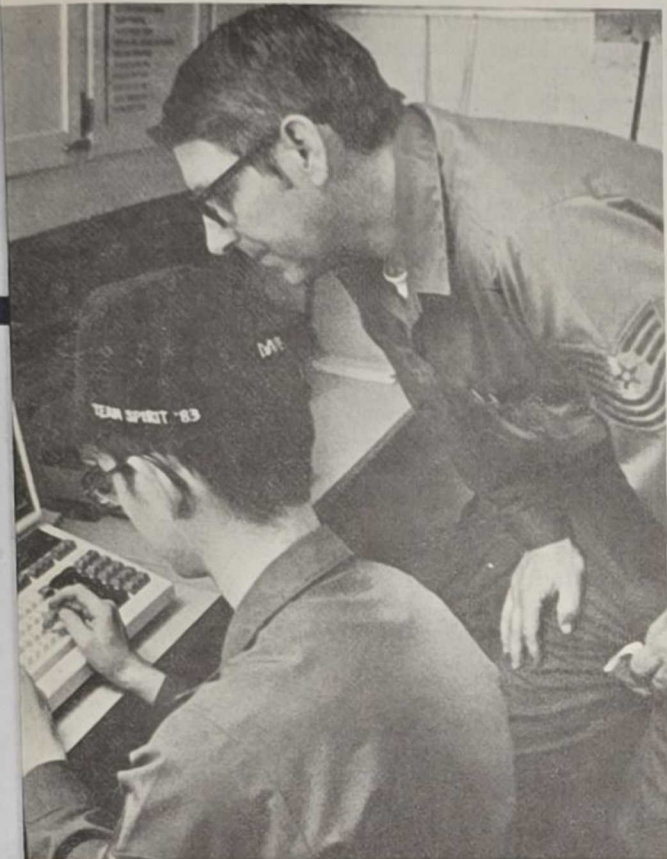


**COMPUTERIZED** — SSgt. David Glass, entered as MSgt. Jim Simpson looks on. The team, and maintained the PERSCO Van and its contents. (TSgt. Dave Craft)



**OFF-LOADING** — 37th Aerial Port Squadron personnel off-load cargo from K-loader to cargo lift for upload of World Airways aircraft. This is the first time the World Airways DC-10 convertible aircraft — normally used to carry (U.S. Air Force)

# n Spirit 83



ers a program into one of the PERSCO Van's computers  
part of a MAC contingent from Scott AFB, Ill., operated  
computers during Team Spirit 83. (U.S. Air Force photo by



**WEATHER REPORTS** — Lieutenant Bates and A1C Tim Johnson, Det. 15, 30th Weather Squadron, discuss a weather report at Osan AB, Korea, during Team Spirit 83. (U.S. Air Force photo by SSgt. Bob Fehringer.)



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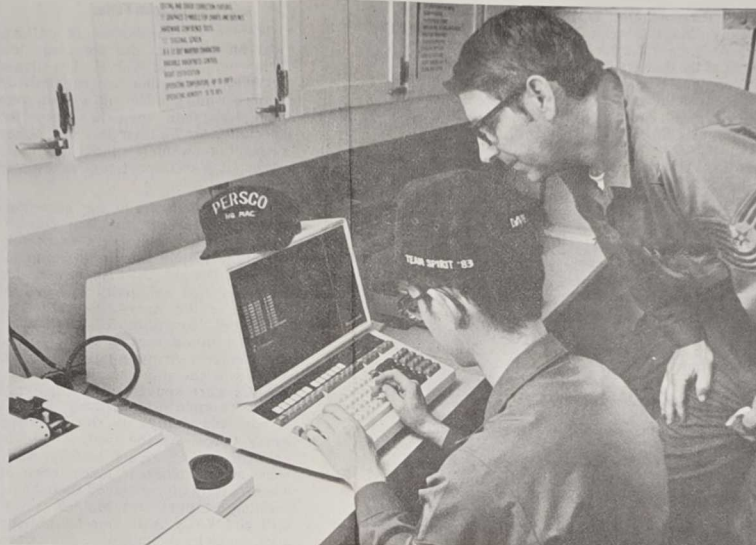
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**COMPUTERIZED** — SSgt. David Glass, enters a program into one of the PERSCO Van's computers as MSGt. Jim Simpson looks on. The team, part of a MAC contingent from Scott AFB, Ill., operated and maintained the PERSCO Van and its computers during Team Spirit 83. (U.S. Air Force photo by TSgt. Dave Craft)



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# AWS salutes...

## Medals

**Meritorious Service Medal:** Lt. Col. Harvey J. Miller and Maj. Kenneth F. Persin, USAFETAC, Scott AFB, Ill.; Lt. Col. Lawrence Little, Det. 15, 25th WS, Luke AFB, Ariz.; Lt. Col. Gary L. Doty (2nd OLC) and CMSgt. Norman B. Cleghorn (1st OLC), 1st WS, MacDill AFB, Fla.; Capt. Paul H. Harris, Det. 8, 5th WS, Fort Riley, Kans.; SMSgt. Larry M. Hamm, Det. 12, 5th WS, Fort Devens, Mass.; Col. Charles A. Egolf, Lt. Col. Carl H. Chesley and CMSgt. Jerry D. Farley, HQ 5th WW, Langley AFB, Va.; Maj. Albert Sullivan (2nd OLC), Det. 6, 5th WS, Fort Lewis Army Installation, Wash.; Maj. Kenneth B. Kaiser, Det. 8, 26th WS, Griffiss AFB, N.Y.; Maj. Lawrence J. O'Shea, 9th WS, March AFB, Calif.; MSgt. Henry A. Binion, Det. 3, 9th WS, Fairchild AFB, Wash.

**Air Medals:** Capt. Terry Laing (1st OLC), Capt. Michael G. Middlebrooke (1st OLC), 1st Lt. Bill I. Greg (1st OLC), Sgt. Terry L. Long (1st OLC), and Sgt. James W. Lewis, Det. 4, HQ AWS, Andersen AFB, Guam.

**Air Force Commendation Medal:** SSgt. Ernest E. Sweet, Det. 16, 9th WS, Dyess AFB, Texas; Capt. Glynn E. Jensen and MSgt. Barry F. O'Donnell, Det. 8, 26th WS, Griffiss AFB, N.Y.; Sgt. William E. Andrus, Det. 10, 2nd WS, Eglin AFB, Fla. TSgt. Steven D. Paulsen (1st OLC), OL-B, Det. 2, 5th WS, Fort Indiantown Gap, Pa.; Capt. Robert W. Battermann, OL-A, Det. 21, 5th WS, Fort Stewart, Ga.; Sgt. Stanley T. King, Det. 21, 5th WS, Hunter AAF, Ga.; TSgt. Charles B. Arp III (1st OLC), Det. 6, 5th WS, Fort Lewis AIN, Wash.; 1st Lt. Dan H. Vial (1st OLC) and Capt. John H. Skorusa, 1st WS, MacDill AFB, Fla.; Sgt. Theresa K. Kim, TSgt. Alan C. Weismann, and SSgt. Kenneth M. Williams, HQ 5th WW, Langley AFB, Va.; MSgt. Robert E. Brooks (3rd OLC) and Capt. Linda J. Pijor, Sgt. Kim C. Wong, USAFETAC; Sgt. David Vonderheide and Sgt. Doris Williams, Det. 3, 9th WS, Fairchild AFB, Wash.

**Army Commendation Medal:** SSgt. Rex Miller, Det. 3, 9th WS, Fairchild AFB, Wash.

**Air Force Achievement Medals:** SSgt. Elda Gasbarro, Det. 8, 26th WS, Griffiss AFB, N.Y.; SSgt. Owen A. Mannin and A1C Leon A. Quijano, Bitburg AB, Germany; SSgt. Harvey Kislow, Sgt. Kimberly A. Reeb, and SrA. Charles D. May, Det. 10, 2nd WS, Eglin AFB, Fla.; SrA. Jeffrey P. Cunningham, OL-A, Det. 2, 5th WS, Fort Meade, Md.; 1st Lt. Robert L. Catron and Sgt. Norman P. Gotter, USAFETAC.

## Promotions

**To lieutenant colonel:** Charles F. Wills, 7th WS, Heidelberg AIN, Germany.

**To major:** Robert F. Baker, Det. 2, 5th WS, Fort Belvoir, Va.

**To captain:** Alan C. Stein, Det. 8, 26th WS, Griffiss AFB, N.Y.

**To first lieutenant:** James T. Kroll, Det. 14, 5th WS, Fort Hood, Texas; Ransom R. Traxler and July A. Jolly, 5th WW, Langley AFB, Va.; Kelly Hand, Det. 1, 12th WS, Cheyenne Mountain Complex, Colo.

**To senior master sergeant:** Richard H. Prewitt, Det. 14, 5th WS, Fort Hood, Texas.

**To master sergeant:** James A. Chesky, Det. 1, 5th WS, Fort Campbell, Ky.; William Kowal, Det. 11, 5th WS, Fort Sill, Okla.; Earl W. Schneider, Det. 14, 5th WS, Fort Hood, Texas; Robert E. Brooks, USAFETAC; Norman P. Campos, Det. 5, 1st WW, Clark AB, the Philippines; James K. McQuade, Det. 14, 7th WS, Heidelberg AIN, Germany.

**To technical sergeant:** Larry K. Broomfield, Det. 12, 5th WS, Fort Devens, Mass.; Phillip G. Abel and Eugene E. Burton, Det. 3, 5th WS, Fort Bragg, N.C.; George Gombarcik, Det. 9, 5th WS, Fort Rucker, Ala.; Jeffrey A. Baitz, Det. 16, 9th WS, Dyess AFB, Texas; John F. Panus, Det. 15, 25th WS, Luke AFB, Ariz.

**To staff sergeant:** Mark B. Haygood and William R. Wertz, Det. 10, 2nd WS, Eglin AFB, Fla.; Ralph

Hanson, Det. 1, 9th WS, Offutt AFB, Neb.; Howard P. Reid, Det. 3, 5th WS, Fort Bragg, N.C.

**To sergeant:** Monica Vasey, Det. 13, 25th WS, Davis Monthan AFB, Ariz.; Vicky L. Williamson-Lee, Felice M. Cortese and David M. Hrobuchak, Det. 3, 5th WS, Fort Bragg, N.C.; Erik M. Guldahl and Dale Russett, Det. 7, 5th WS, Fort Ord, Calif.; Kevin A. Byrd, Det. 10, 5th WS, Fort Benning, Ga.; Eleanor R. Keleher, 5th WW, Langley AFB, Va.; Shelia M. Washington, Det. 14, 17th WS, Norton AFB, Calif.; Charles D. May, Det. 10, 2nd WS, Eglin AFB, Fla.

**To senior airman:** Ron Zahoryin (BTZ) Det. 2, 9th WS, Castle AFB, Calif.; Rebecca Hughes (BTZ), Det. 11, 25th WS, Cannon AFB, N.M.; Robert R. Rios (BTZ), Det. 8, 5th WS, Fort Riley, Kans.; Thomas J. Lyens (BTZ), Det. 14, 5th WS, Fort Hood, Texas; Donald R. Cobb (BTZ), OL-A, Det. 21, 5th WS, Fort Stewart, Ga.; Robin E. Betsch, Det. 7, 5th WS, Fort Ord, Calif.; Christopher D. Rogers, Det. 2, 5th WS, Fort Belvoir, Va.; Raymond A. Sirois (BTZ), Det. 9, 12th WS, Tyndall AFB, Fla.; Tony Spina, Det. 27, 12th WS, Hancock Field, N.Y.; Kathryn L. Gardner and Timothy J. Morrison, Det. 15, 25th WS, Luke AFB, Ariz.; Timothy A. Bush and Craig A. Steffen, USAFETAC; Florentino Versoza (BTZ), Det. 1, 9th WS, Offutt AFB, Neb.; Robert J. Whittle (BTZ), Det. 7, 9th WS, March AFB, Calif.; Douglas Rozich, Det. 7, 9th WS, March AFB, Calif.; Timothy J. Lovell (BTZ), Det. 2, 11th WS, Eielson AFB, Alaska. Kevin McCafferty (BTZ), Det. 5, 9th WS, Malmstrom AFB, Mont.

**To airman first class:** Michael F. Shay and Gary F. Willis, Det. 5, 5th WS, Fort Knox, Ky.; Barclay R. Miles, Lee G. Ellingsworth, James N. Ozgunduz and Jillayne S. Rudy, Det. 14, 5th WS, Fort Hood, Texas; Dewey W. Cole, Det. 1, 5th WS, Fort Campbell, Ky.; Kirk McCleary, Det. 5, 9th WS, Malmstrom AFB, Mont.; Rachel Fobert, Det. 1, 9th WS, Offutt AFB, Neb.

**To airman:** David W. Law, Det. 6, 5th WS, Fort Lewis AIN, Wash.; Kurt Reszegi, Det. 2, 9th WS, Castle AFB, Calif.; Michele A. Gatton, Det. 16, 9th WS, Dyess AFB, Texas; Robert C. Auck, Det. 17, 9th WS, Ellsworth AFB, S.D.; Scott K. Hughes, Det. 5, 5th WS, Fort Knox, Ky.; Stephen R. Richardson and Joseph H. Weston, Det. 14, 5th WS, Fort Hood, Texas.

## Unit honors

**Junior Officer of the Year:** Capt. Marilyn M. Clouden, Det. 41, 12th WS, Fort Lee AFS, Va. for 12th WS; 2nd Lt. Jackey D. Nichols, Det. 13, 25th WS, Davis-Monthan AFB, Ariz., for 5th WW.

**Senior NCO of the Year:** MSgt. Hugh Hiscox, Det. 15, 25th WS, Luke AFB, Ariz. for 5th WW, Heidelberg AIN, Germany. MSgt. James T. Brinson, 7th WS.

**NCO of the Year:** SSgt. William Taylor, Det. 11, 25th WS, Cannon AFB, N.M. for 25th WS; SSgt. Alvin B. Smart, 12th WS, Peterson AFB, Colo. for 12th WS; TSgt. Shirley A. Janes, 5th WW, Langley AFB, Va. for 5th WW.

**Airman of the Year:** A1C Kathryn Gardner, Det. 15, 25th WS, Luke AFB, Ariz. for 5th WW.

**Wing Weather Officer of the Year:** 1st Lt. Mark A. Koozer, Det. 21, 9th WS, Minot AFB, N.D. for 15th AF.

**Administrator of the Year:** Mrs. Karen Goodwin, Det. 7, 9th WS, March AFB, Calif. for 9th WS; MSgt. James T. Brinson, 7th WS, Heidelberg AIN, Germany for 2nd WW.

**MAC Pacific Outstanding Airman of the Year:** A1C Gordon S.W. Kim, HQ 1st WW, Hickam AFB, Hawaii.

**Junior Officer of the Quarter:** 2nd Lt. Mark A. Clausen, Det. 9, 12th WS, Tyndall AFB, Fla.; 1st Lt. Ann Ulpus, Det. 1, 3rd WS, Shaw AFB, S.C.; 1st Lt. Wayne French, 5th WW, Langley AFB, Va.; Capt. Douglas C. Pearson, USAFETAC.

**NCO of the Quarter:** TSgt. Anthony A. Frasca, Det. 9, 12th WS, Tyndall AFB, Fla.; SSgt. James M. Laurendeau, Det. 15, 25th WS, Luke AFB, Ariz.; TSgt. Alan C. Weismann, 5th WW, Langley AFB, Va.; SSgt. Gregory Myles, USAFETAC; Sgt. Mark B. Haygood, Det. 10, 2nd WS, Eglin AFB, Fla.; SSgt.

Gregory Ramsey, Det. 3, 7th WS, Heidelberg AIN, Germany; MSgt. Marlin Mason, Det. 7, 9th WS, March AFB, Calif. for 9th WS.

**Airman of the Quarter:** A1C Barbara T. Stewart, 5th WW, Langley AFB, Va.; SrA. Todd L. Bills, Det. 14, 7th WS, Heidelberg AIN, Germany; SrA. Gary W. Kimsey, Det. 10, 2nd WS, Eglin AFB, Fla.; Sgt. Jeff W. Hornung, USAFETAC; Dennis M. Bolewitz, OL-A, Det. 8, 26th WS, Griffiss AFB, N.Y.; SrA. Florentino Versoza, Det. 1, 9th WS, Offutt AFB, Neb. for 9th WS.

**Observer of the Quarter:** A1C Allison B. Hocutt, Det. 3, 3rd WS, Myrtle Beach AFB, S.C.; SrA. Debbie F. Boney, Det. 25, 5th WW, Howard AFB, Panama.

**Forecaster of the Quarter:** Sgt. Frank Hall III, Det. 3, 3rd WS, Myrtle Beach AFB, S.C.; TSgt. Bruce E. Lovelady, Det. 25, 5th WW, Howard AFB, Panama.

**Editor of the Quarter:** A1C Lisa L. Houser, Det. 40, 2nd WW, RAF Croughton, England.

**Airman of the Month:** A1C Christopher A. Popp, Det. 14, 17th WS, Norton AFB, Calif. for 3351st School Squadron student.

## Education

**Air War College:** Maj. Harry H. Hughes, Det. 11, 9th WS, Beale AFB, Calif.

**Air Command and Staff College:** Capt. Philip G. Yavorsky, 17th WS, Travis AFB, Calif.; Capt. James S. Perkins, 28th WS, RAF Mildenhall, United Kingdom.

**Squadron Officers School:** Capt. Beth L. B. McNulty, Det. 11, 9th WS, Beale AFB, Calif.

**Senior NCO Leadership School:** MSgt. David Buerk, Det. 16, 31st WS, Zaragoza AB, Spain.

**NCO Leadership School:** Sgt. Marchand Barnett, Det. 15, 9th WS, Grand Forks AFB, N.D.; SSgt. Sergio A. Rubio, AFGWC; SSgt. Jeffrey B. Dunn, Det. 25, 5th WW, Howard AB, Panama; SSgt. Nina B. Meyer and SSgt. David G. Rawson, Det. 21, 2nd WW, Kapaun AS, Germany; SSgt. Blake L. Lasher, Det. 32, 3rd WS, MacDill AFB, Fla.; SSgt. Mark Frankum, Det. 8, 31st WS, Zweibrucken AB, Germany.

**NCO Academy:** SSgt. Paul D. Church, Det. 26, 26th WS, Grissom AFB, Ind.; TSgt. Dennis J. Francis, Det. 1, 11th WS, Elmendorf AFB, Alaska; TSgt. Randy L. Peterson, OL-A, Det. 4, 11th WS, Fort Wainwright, Alaska; MSgt. Linda Stanfield, 3rd WW, Offutt AFB, Neb.; MSgt. Robert J. Cianchetti Jr., Det. 12, 31st WS, Torrejon AB, Spain; TSgt. Robert R. Calvillo, Det. 11, 5th WS, Fort Sill, Okla.

**Phase I PME:** SrA. William D. Boyd, Det. 7, AFGWC, Carswell AFB, Texas.

**Phase II PME:** Sgt. Byung D. Yu, Det. 7, AFGWC, Carswell AFB, Texas; Sgt. Tamarra K. Dehn, Det. 4, 1st WW, Hickam AFB, Hawaii; Sgt. Edward Cannady, Det. 14, 17th WS, Norton AFB, Calif.; SSgt. John Jankite, Det. 4, 17th WS, Altus AFB, Okla.; Sgt. Frank D. Chernowetz, Det. 1, 15th WS, Andrews AFB, Md.; Sgt. Mark Sanders, Det. 15, 9th WS, Grand Forks AFB, N.D.; SSgt. Raondl C. Faverey, Det. 32, 3rd WS, MacDill AFB, Fla.

**Phase III PME:** SSgt. Thomas Halverson, Det. 4, 28th WS, RAF Bentwaters, United Kingdom.

**Degree recipients:** Capt. Jack L. Wylie, Det. 7, AFGWC, Carswell AFB, Texas, master of science degree in industry and technology; SSgt. Charles Buchanan, Det. 5, 15th WS, Dover AFB, Del., bachelor of science degree in meteorology; SSgt. Nancy J. Hester, Det. 11, 1st WW, Hickam AFB, Hawaii, bachelor of general studies degree in computer science; Capt. James G. Stobie, AFGWC, a doctorate degree in geophysical science.

**AFIT graduates:** 2nd Lt. Kenneth J. DeMoise in basic meteorology; 2nd Lt. Dee Ann Franklin in basic meteorology; Capt. Tamzy J. House, in climatology; 1st Lt. Francis P. Kelly in atmospheric dynamics; Capt. Judith Koepsell in basic meteorology; 2nd Lt. Charles A. LeMay in basic meteorology; Capt. John R. Roadcap in atmospheric dynamics; 2nd Lt. Valerie Schmid in basic meteorology; and 1st Lt. Charles W. Tuttle III in synoptics.

**Weather Technician Course:** Sgt. Joel Hart, 12th WS, Peterson AFB, Colo.

## Det. 7 NCO sets academy records

When TSgt. Lewis "Frank" Riggsby left the Strategic Air Command Noncommissioned Officers' Academy at Barksdale AFB, La, on Feb. 11, he graduated with honors — all of them!

Sergeant Riggsby, a member of Detachment 7, Air Force Global Weather Central, became only the third NCO in the 18-year history of the school to capture the Honor Graduate, Academic Achievement and Commandant's Awards. Robert Gaylor, former Chief Master Sergeant of the Air Force was the first person to "turn the trick" in 1965.

The honor graduate award is presented to the individual with the highest overall rating for all facets of academy participation and results. The NCO is selected from among the distinguished graduates and represents the "best of the best."

The Commandant's Award is given for exemplary leadership qualities. Sergeant Riggsby was selected the coach of the student all-star volleyball team and helped raise money for the NCO Wives Club Scholarship Fund through student-faculty volleyball contests. By fostering teamwork and esprit de corps through academic assistance, he earned the votes of his fellow students and instructors for the award.

The individual who captures the Academic Award is in effect the class valedictorian. Sergeant Riggsby broke all previous academic achievement records by answering 248 of 250 questions correctly for a 99 percent grade average. His assistance to other students in his flight also enabled Flight E to take the honor flight award. In addition, during a TV challenge competition the NCO and a teammate answered questions on military subjects, world affairs, leadership, management, and current events to capture top spot in the competition.



**SUPERB PERFORMANCE** — Gen. Bennie L. Davis, commander in chief, Strategic Air Command, presents an award to TSgt. Lewis F. Riggsby, Det. 7, AFGWC, Carswell AFB, Texas, at the graduation banquet. Sergeant Riggsby was named winner of the top three

awards for the class — Honor Graduate, Academic and Commandant's Awards. CMSgt. Joseph P. Marlow, commandant, adds his congratulations. (U.S. Air Force photo)



**"SOLDIER" OF THE MONTH RE-ENLISTS** — SSgt. Cory W. Knowles, center, an airborne weather specialist with Detachment 3, 5th Weather Squadron, Fort Bragg, N.C., received the Army's Distinguished Soldier of the Month Award for maintaining his unit's vehicles and tactical equipment. Sergeant Knowles

also recently re-enlisted with his wife, Sgt. Pamela L. Knowles, right, of Detachment 21, 15th Weather Squadron, Pope AFB, N.C. The two sergeants were re-enlisted by Col. John Lasley, left, vice commander, 5th Weather Wing, Langley AFB, Va. (U.S. Army photo)

## Weather Airman makes 'Soldier of the Month'

To some people it may seem odd that SSgt. Cory W. Knowles received the Army's Distinguished Soldier of the Month award from the 18th Airborne Corps, Fort Bragg, N.C., recently. Sergeant Knowles isn't even in the Army; he's a member of the Air Force with nearly six years of service.

The 24-year-old sergeant, an airborne weather specialist, is assigned to Detachment 3, 5th Weather Squadron, on Fort Bragg. He earned the award for his initiative in repairing and maintaining the vehicles and tactical equipment assigned to his unit.

The 30-member Air Force detachment at Fort Bragg provides weather support for the Army.

"He's outstanding, totally reliable, knows his job and does everything extremely well," his commander, Lt. Col. Robert T. Crowder, said. "He tackled and finished projects not completed earlier. Plus, he has our vehicles rolling well."

Sergeant Knowles has been assigned to Army bases for nearly all his time in the Air Force. He says he enjoys working with the Army and requested the assignment to Fort Bragg.

Just last October he earned his paratrooper wings at Fort Benning, Ga. This is an achievement in itself since there are only 50 positions for paratrooper wings in the entire Air Weather Service, and 25 of those are with Det. 3, 5th WS. As Sergeant Knowles notes, in his job "when the Army jumps, we have to jump right along with them."

Although his father was an Air Force aircraft crew member and the family saw a number of moves, Sergeant Knowles refers to Georgetown, S.C., as his hometown.

He says he eventually wants to become a pilot, and selected the weather field because "that's 40 percent of the requirement" for a pilot's license. He's attending the Embry-Riddle Aeronautical University on Fort Bragg, and will soon have an associate degree in professional aeronautics.

His wife, Sgt. Pamela L. Knowles of Phoenix, Ariz., is also a WS. She's assigned to Detachment 21, 15th Weather Squadron, at Pope AFB, N.C., which is located adjacent to Fort Bragg. Having served together on two previous assignments, she decided to take the assignment to Pope AFB when they returned from the Army Training Center at Grafenwohr, Germany.

The Knowles took their togetherness one step further recently when they re-enlisted for another 4-year tour at the same time. Col. John Lasley, vice commander of the 5th Weather Wing at Langley AFB, Va., made a special trip to Fort Bragg to perform the ceremony. Colonel Lasley was the Knowles' former squadron commander in Germany.

Both Sergeant Knowles and his wife hope to earn college degrees before the end of their current enlistments and apply for the Air Force Officer Candidate School.

## 'A visit from 99XXTSGR'

by A1C Marilyn Lund Det. 8, 31st WS Zweibrucken AB, Germany

'Twas three in the morning and all over Zwei  
 Not a creature was stirring but the SP's and I.  
 At Base Weather the teletypes printed data with care,  
 In hopes that the forecasters soon would be there;  
 But they were sill nestled all snug in their beds  
 While visions of points! points! points! danced in their heads.  
 And I, having taken the first ob of the night  
 Had just settled in for my first shift at the site,  
 When out in the dark all was suddenly brilliant  
 With a light that was there and gone in a moment.  
 Away down the stairs I flew like a flash  
 Threw open the door and ran out with a dash,  
 And stood there, quite anxious, scanning the sky  
 Hoping that lightning was nowhere nearby  
 When what to my wandering eyes should appear  
 But another flash and I saw the thing clear:  
 With a top that was fibrous and now a loud roar,  
 I knew in a moment 'twas the anvil of Thor.  
 Again struck the hammer as the Valkyries cried,  
 And I called out aloud as I raced back inside,  
 "Now warnings! Now specials! Now column 13!  
 TS I remember — what's METAR for moving?"  
 To the FMH I went, through its pages tearing,  
 Breaking my New Year's resolve to stop swearing.  
 As the pea in a shell game is never just where  
 One thinks that is is, being instead here or there,  
 So it was now with table number 3-17,  
 Which I found after passing it time and again.  
 And then in a twinkling I finished my special,  
 Each remark in its place, even lightning (occasional).  
 As I let out my breath and was sighing success,  
 Down from the sky the hail came with a vengeance  
 It was striking all 'round, from rooftops to gutters  
 And the forecast was tarnished with hailstone, three-quarters.  
 About me I gazed, and damned the bad luck,  
 For it seemed now the elements were running amok.  
 The wind how it whistled! The lightning now frequent!  
 The hail was like bullets, the rain like a curtain;  
 The mammatus cloud hung o'erhead like a pall,  
 And the vis made me dizzy, so fast did it fall;  
 The sky on this night was tumultuous and dark,  
 As Thor he continued his olympian lark.  
 I had wind gusts to 60, and windows for walls,  
 That shook when it howled, which I liked not at all.  
 Oh, 'twas awesome indeed — a jolly old chaos.  
 And I laughed just then, for what came to mind was  
 A thought of Chanute and a classroom so calm  
 Where cartoon thunderstorms were observed with aplomb.  
 Now I spoke not a word, but went straight to my work,  
 And dashed out a special; then turned with a jerk,  
 And laying my pencil aside on the desk,  
 And waiting a moment, watched it move west.  
 I went dashing off, to its cohorts gave call,  
 And away they all flew, everyone of them all;  
 And I said to myself as it moved out of sight,  
 "Just eight alpha-numerics, but oh, dear, what a night!"



**AWS SPECIALIZED SUPPORT AWARD WINNER** — SSgt. Nancy Hester, Detachment 11, 1st Weather Wing, Hickam AFB, Hawaii, received the 1982 AWS Specialized Support Award. She is the Data Requirements NCO at the Hickam Automatic Digital Weather Switch, the hub of the Automated Weather Network in the Pacific. She tailored vital weather data products to the constantly changing needs of 67 United States and foreign customers. She devised innovative manual procedures to force the forecasts into the computer data base and then planned and implemented an emergency system change to automatically acquire the forecasts. She also authored a practical standing operating procedure on quality control of customers' data requirements. In addition, she totally revamped the format of the Commander's monthly status report and researched, compiled, and wrote subsequent reports. Because of her self-acquired computer expertise, Sergeant Hester was selected to augment the Programming Section. Col. George E. Chapman, commander of AWS, made the presentation of the award to Sergeant Hester in February. (U.S. Air Force photo)

## AWS announces senior officer moves

Col. Thomas L. Harris, vice commander of the Military Airlift Command's Air Weather Service, will assume command of the 7th Weather Wing at Scott AFB, Ill., in June. He succeeds Col. John J. Elliff, who retires.

Other AWS senior officer assignments announced include:

—Col. Norman F. Rauscher, from AWS chief of staff to AWS vice commander.

—Col. Wesley E. Robb, from AWS deputy chief of staff for operations to AWS chief of staff.

—Col. Tommy D. Guest, from commander, 2nd WW, Kapaun, Germany, to AWS DCS for operations.

—Col. James O. Ivory, from vice commander, 3rd WW, Offutt AFB, Neb., to 2nd WW commander.

—Col. David L. Donley, from commander and professor of aerospace studies, Air Force ROTC,

Parks College, Cahokia, Ill., to 3rd WW vice commander.

—Col. James W. Hall, from 3rd WW commander to the Office of Federal Coordination for Meteorology, Washington, D.C.

—Col. Billy L. Moore, from vice commander, Air Force Global Weather Central, Offutt AFB, to 3rd WW commander.

—Col. Gary S. Zeigler, from assistant DCS for systems, AWS, to AFGWC vice commander.

—Col. Milton D. Forsyth Jr., from commander, U.S. Air Force Environmental Technical Applications Center, Scott AFB, to AFGWC chief of operations.

—Col. Lawrence R. French, from commander, 2nd Weather Squadron, Andrews AFB, Md., to USAFETAC commander.

—Col. William E. Buchan, from commander, 11th WS, Elmendorf

AFB, Alaska, to 2nd WW vice commander.

—Col. Frederick J. Fowler chief, Special Support Division, AFGWC, to commander, 2nd WS, Andrews AFB.

—Col. James Kerlin from chief, Technical Services Division, AFGWC, to commander, 11th WS, Elmendorf AFB.

—Col. Ardith N. Wagley from commander, 5th WS, Fort McPherson AI, Ga., to chief, Operations, 5th WW, Langley AFB, Va., reporting in July.

—Col. Wilbert G. Maunz from chief, Operations, 1st WW, Hickam AFB, Hawaii, to commander, 5th WS, Fort McPherson AI.

—Col. Walter J. Harrison, student, Air War College, Maxwell AFB, Ala., will become chief, Operations, 1st WW, Hickam AFB.

—Lt. Col. Thomas O. Proffitt from chief, Operations, 7th WW, to student, Air War College. Colonel Proffitt is a

colonel selectee.

—Lt. Col. Floyd F. Hauth from commander, Det. 6, 2nd WW, Stuttgart, Germany, to chief, Operations, 7th WW. Colonel Hauth is a colonel selectee.

—Col. Arthur L. Boright from chief, Automation Division, AFGWC, to commander, 24th WS, Randolph AFB, Texas, replacing Colonel Smith, who retires.

—Col. John H. Wylie Jr., from assistant DCS/Aerospace Sciences, AWS, to commander, 30th WS, Yongsan AI, Korea.

—Col. Clarence A. B. Warfel from assistant to staff weather officer, TRADOC, Fort Monroe AI, Va., to staff weather officer, TRADOC, effective July.

—Col. Ronald R. Brown from commander, Det. 1, 2nd WS, Wright-Patterson AFB, Ohio to student, AWC.