

# AWS OBSERVER

VOL. 36 NO. 1

Headquarters Air Weather Service

JANUARY 1989



## Air Weather Service salutes No. 1 civilian

A 3rd Weather Wing operations plans officer has captured the prestigious Jenner Award for 1988 -- as Air Weather Service's top civilian of the year.

Assigned to Headquarters 26th Weather Squadron, Robert E. Miller is the seventh person to receive the honor since it was first presented in 1982.

The award annually recognizes the "best of best" Air Weather Service civilian members for their performance and achievements that significantly contribute to the overall welfare of the Air Force and civilian community.

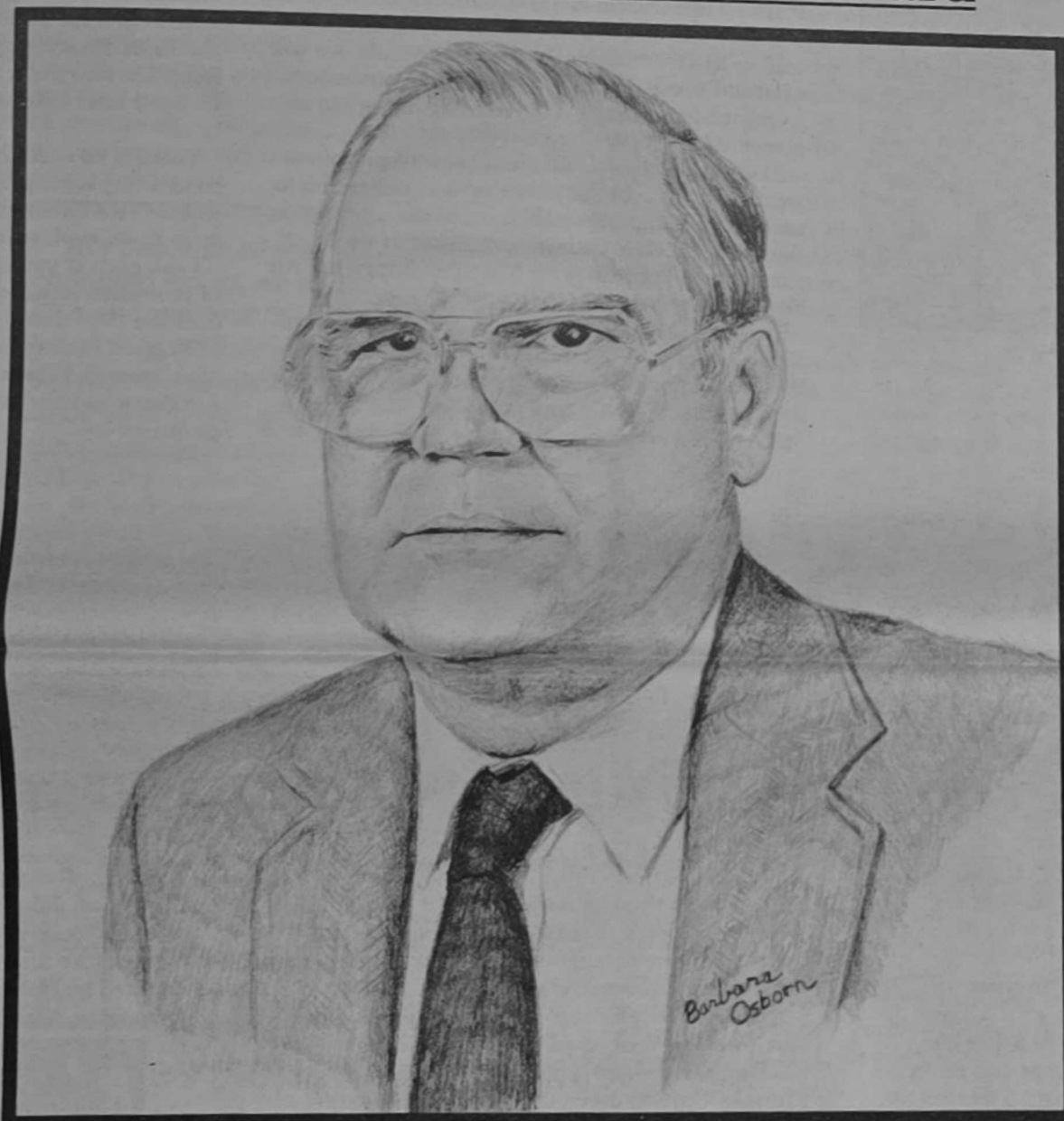
It is named in honor of William A. Jenner whose 42 years of civil service and significant contributions greatly affected the Air Weather Service.

The 58-year-old meteorologist was cited for ensuring superb weather support for 8th Air Force, NORAD's Northeast Air Defense Sector and numerous Reserve Air National Guard Units in the Eastern United States.

The St. Louis, Mo., native, was not only recognized for his accomplishments as the operations plans officer, but his work performing the duties of the current opera-

(continued on page 12)

### Robert Miller takes Jenner Award



Robert E. Miller (U.S. Air Force art)

#### THE MILLER FILE

NAME: Robert E. Miller

DOB: Jan. 31, 1931

GRADE: GS-11

UNIT: 3WW, HQ 26th WS, Barksdale AFB, La.

CAREER: 40 years with AWS serving as both enlisted and civilian.

#### JENNER WINNERS

1982 — CAVINESS, Donald G., AFGWC

1983 — ELAM Clarence B. Jr., ETAC

1984 — PACEK, John T., Det. 2, 15WS, 7WW

1985 — CARR, Edward L., AFGWC

1986 — JENKS, Frank W. III, Det. 1, 2WS, 4WW

1987 — BOYT, Joseph, ETAC

1988 — MILLER, Robert E., 26WS, 3 WW

## AWS commander selected for a star

by TSgt. Dave Black  
HQ AWS public affairs

Col. John J. Kelly Jr., Commander of the Air Weather Service, has been selected for promotion to brigadier general.

The commander was notified of his selection by the Commander in Chief Military Airlift Command, General Duane H. Cassidy, who was first to congratulate him. Colonel Kelly was

among 51 people nominated for promotion to star rank by President Reagan and one of only two at Scott AFB, Ill. All nominations are to be confirmed by the U. S. Senate.

With nearly 5,000 personnel, AirWeather Service is assigned to the Military Airlift Command and provides staff and operational environmental services to the AirForce, Army and designated Department of Defense agencies.

Serving as AWS commander

since last July, Colonel Kelly was born in Paterson, N. J., on Dec. 28, 1940. He received a bachelor of science degree from Seton Hall university in 1962, and did his graduate work in meteorology at Pennsylvania State University. He earned a master of public administration degree from Auburn University in 1976.

Commissioned through Officer Training School, the colonel attended weather officer training at New York University,

N.Y. He is a distinguished graduate of both the Squadron Officer School and the Air Force Command and Staff College. Colonel Kelly completed the Industrial College of the Armed Forces by correspondence and in residence.

In 1964, Colonel Kelly was assigned as a weather officer at Cigli AB, Turkey. From January 1966 to January 1968 he served as a current operation officer, Headquarters 7th Weather Wing, here at Scott. He then

attended Pennsylvania State University.

Moving to McGuire AFB, N. J., in December 1969, he was an Aerospace Sciences Officer, 15th Weather Squadron. In 1972, Colonel Kelly was transferred to Det. 1, 10th Weather Squadron, Tan San Nhut AB, Republic of Vietnam, as command weather briefer, Military Assistance Command Vietnam.

He returned to the United States in 1973 for duty at Head-

(continued on page 10)

Command Line

# Training: It's mission essential



Col. John J. Kelly, Jr.  
Commander

As I visit our Air Weather Service units worldwide, I often ask, "How well are you training your people?" Too often I get the answer, "We don't have time to train right now; we're too busy." The start of a new year is a good time to pause and reflect on that attitude.

We all know the Air Weather Service priorities — operational support and team building — but they are not in conflict with training our people. In fact, training is a critical factor in both responsive and effective weather support and team building.

If we don't continuously train our people, we will eventually lose our ability to serve our customers. Everyone is responsible for training his or her replacement.

The world keeps turning and new people join our weather team every day. We have an obligation to sustain our support capability, and we can only do that with effective training programs. If we shortchange training today, we will shortchange the Air Force tomorrow.

Training is equally important in team building. Every one of you "veterans," think for a minute. Who had a positive impact on your life? Who do you fondly remember? Chances are it's a teacher, or a coach, or a trainer, or a supervisor — someone who

took the time and interest to help you improve yourself. Someone who saw in you a potential and helped you realize it.

All of us want to be all we can be and all of us need help from time to time to achieve our full potential. That's why training builds a strong team. Don't fall into the trap of saying, "You're right, but we don't have time to train right now. We'll do it later."

There is no such thing as waiting for a better time. Our people are getting training every day whether we like it or not. If we're not taking time to train them well, we're training them poorly.

I ask each of you to take a hard look at training in your unit. Keep up the great job you're doing, but take the time to train.

We need to share innovative ideas as well as lessons learned. Please help me make it happen. The Air Force and our people are just too important to do otherwise.

Chief's corner

## Where's my wing senior enlisted advisor?

I recently received an inquiry, signed from "a detachment observer," wanting to know why 1st Weather Wing had a Senior Enlisted Advisor (SEA) and his or her wing did not.

My first thought was, where has this person been? I then realized that it's been almost three years since the decision was made to delete our wing SEA slots and that it's been over two years since CMSgt. Charles T. Melson addressed this issue in the Air Weather Service Observer.

Therefore, it stands to reason that this person wasn't in the Air Force at that time. I hope the next two paragraphs will answer that young person's question.

By early 1986, it had become apparent to the senior leadership of the United States Air Force that there were too many people with the title of SEA. The Air Force decided to strengthen the SEA position by tightening the criteria allowing a unit to have an SEA.

One of the new requirements was that a unit must have at least 1,000 enlisted people. As none of our Air weather Service wings met that criterion, our wing SEA positions were deleted on July 1,

1986.

The reason three of our wings still have an SEA and four do not is that the incumbents were to remain in place through normal attrition; i.e., reassignment, retirement, etc.

With the retirement of CMSgt. Alan C. Snider (4th Weather Wing) and the PCS of CMSgt. Charles E. Newman (2nd Weather Wing) this summer, CMSgt. Jerry D. Farley (1st Weather Wing) will be the last remaining wing advisor.

This question could have easily been answered by the senior leadership in the airman's unit, but I'm glad it was submitted because it gives me an excellent opportunity to address a new addition to my office wall: A shadow box depicting the history of the Air Weather Service Wing SEAs.

During the last SEA conference the seven wing advisors attended, we decided we wanted to leave a piece of memorabilia that would portray a slice of our enlisted heritage for those who come later.

This beautiful work of art, listing the name and period of service for each of our past wing advisors, was presented to the enlisted people of Air Weather Service by CMSgts. Jerry D. Farley, Charles E.

Newman, Danny W. Milner, Alan C. Snider, Rod Gaudreau, John L. Williams, and Charles Treser.

When you visit Scott AFB, I hope you will come by my office and view this unique shadow box donated by our last seven wing SEAs. (See page 11 for related story)



CMSgt. John L. Williams  
Senior Enlisted Advisor

Col. John J. Kelly Jr.  
AWS Commander  
AWS Editorial Staff  
MSgt. David L. Black  
Editor

The AWS Observer is published monthly for personnel of the world-wide Air Weather Service of the Military Airlift Command. This funded Air Force newspaper is an authorized publication for members of the U. S. military services, both CONUS and overseas. Contents of the AWS Observer are not necessarily the official views of, or endorsed by, the U. S.

Government, the Department of the Air Force. The editorial content is edited, prepared and provided by the Public Affairs Office of Air Weather Service. All photos are U. S. Air Force unless otherwise marked. Editorial phone numbers are: 618-256-2065 or Autovon 57-62065. The mailing address: HQ AWS/PA, Scott AFB, IL 62225-5008.

## Gen. Cassidy addresses command

The Commander in Chief of the Military Airlift command says it is a challenging time to be in the military because of the world's drastically changing face.

Speaking Dec. 15 to about 300 enlisted members at Scott AFB, Ill., Gen. Duane H. Cassidy said that a look at the world today would show an unusual, unprecedented set of circumstances unfolding between the major powers.



Gen. Duane H. Cassidy  
MAC Commander in Chief

"It's a great opportunity for our country to take a leadership role and make sure that there is freedom, liberty and peace — peace as long as we can have freedom and liberty,"

he said.

The general credited this opportunity to members of the military, particularly those in MAC. "We have dedicated our lives to defending our country. This is the strongest and most capable airlift force the world has ever seen," General Cassidy said.

Citing budget cuts and the possibility of a declining defense budget, General Cassidy urged the audience and their peers worldwide to be creative and productive despite program and manpower deficiencies.

*"But because of the changing world, we will also encounter a time of instability, and now is the time we really have to be strong and good."*

"Men and women like you are confident and capable people, and I'm convinced that whatever amount of money we get from DOD, we'll give them the best Military Airlift Command money can buy. Be positive, and it will spread like wildfire through your offices and bases," the general said.

"The military may not be a rich and wealthy life in monetary terms, but the leadership of MAC and the Air Force is committed to make it a rich

and healthy way of life on our Air Force bases. And we will give up some of our force structure and readiness to make sure that happens."

The MAC leader also discussed the U. S. Transportation Command, Headquartered at Scott and comprised of MAC, The Army's Military Traffic Management Command and the Navy's Sealift Command. Genral Cassidy wears a second hat as CINCTRAN-SCOM.

He said his first concern was that USTRANSCOM would somehow weaken MAC. "My parochial self told me I didn't want to go down in history as the guy who screwed up MAC by taking on this new command," the general quipped. "But, in fact, MAC is stronger today because of USTRANSCOM. And it will continue to grow stronger as the different modes of transportation work together."

The general's enthusiasm was clear when he spoke of MAC's mission. "We need this business (airlift) in peacetime and wartime," he said. "When we go to war, or become involved in any size contingency, large or small, we really don't do anything different except change the beat. We do our war time mission every day, and if it became necessary to fully mobilize our forces, we would just step up the tempo."

## hot off the wire...

**You're lookin good!** The Air Force cited 1st Weather Wing and 5th Weather Wing's Det. 25 for the Air Force Outstanding Unit Award. First Weather Wing received the award for exceptionally meritorious service from July 1, 1986, to June 30, 1988 when it provided superior aerospace environmental services in support of the widely dispersed United States and allied armed forces in the Pacific. The professional expertise of 1WW people resulted in unsurpassed accomplishments provided during international crises and wartime exercises through exemplary field support, weather satellite support and tropical storm and typhoon aerial observation and warning service.

Det. 25 also received the AFOUA for distinguished service from Jan. 1, 1986, to Dec. 31 1987. Detachment personnel were cited for their professionalism which directly contributed to the overall mission success of the U.S. Southern Command and its air, land and sea components operation throughout Central and South America. The detachment clearly excelled at its wartime mission, displaying outstanding technical skill, confidence and resourcefulness in support of real-world contingencies and exercises. Among other laudatory comments the detachment was noted for its innovative management that was key to acquiring significant equipment acquisitions such as the geostationary operational environmental satellite direct readout ground station and a complement of automated weather observing systems.

**Weather Warriors** from Crew 5A stationed at Eielson AFB, Alaska, Sept. 3, 1949, on the Loon Charlie Mission, are being sought by a television documentary producer. The members are being sought for a television documentary on the history of the H-bomb, a program being supported by the National Science Foundation, the MacArthur Foundation, the Sloan Foundation and the American Institute of Physics. Former weathermen the production company would like to locate are: 1st Lts. Robert C. Johnson, Lawrence E. Paul, Charles E. Massey, Gene A. Culbertson, and Robert L. Lulofs. Also MSgts. James K. Boswood, Thomas R. Richardson, SSgts. Richard D. Boyce, Steve T. Yapuncich, Corporal Lauren G. Gackstetter and P1C William H. Kelly. If interested, these people may contact: P. Hogan, 304 W. 56th St. (3A), New York, New York 10019.

## AWS Parachutists' reunion —

Det. 3, 5th Weather Squadron will host the first AWS Parachutists Reunion from April 21-23. All former jumpers and friends of the jumping community are invited. Tentative events include: dinner with guest speaker, golf tourney, and current capabilities demonstration. Further information, suggestions, or offers of assistance should be directed to: MSgt. Steven Lord or SSgt. Johnny Reid, Det. 3, 5th Weather Squadron, Fort Bragg N.C. 28307-5000 or call AUTOVON 236-9819 or 3914. Commercial numbers are 919-396-9819 or 3914. Be there!

**Thought for the Day** — It's the strong winds that accompany a hurricane or typhoon which causes the most physical damage. But, what part of the hurricane causes the most fatalities? **Answer: The rising tides, storm surges, and flash floods associated with these storms.** This thought for the day was contributed by Maj. Paul F. Demmert, AWS/DOOX.

## Emissaries

### AWS attends air forces meteorological conference

Lt. Col. Frank J. Misciasci, Jr., Headquarters Air Weather Service, Scott AFB, Ill. and Capt. Michael G. Wright, Det. 25, 5WW, Howard AFB, Panama, represented Air Weather Service at this year's annual conference of the Inter-American Committee of Air Force Meteorology from Sept. 26-29.

This year's conference was held in Buenos Aires, Argentina. The purpose of the committee, also known by its Spanish acronym CIMFA, is to promote the development and improvement of air force meteorological services and installations throughout South America.

The work accomplished by the CIMFA complements the Voluntary Assistance Program

sponsored by the World Meteorological Organization. Air Weather Service participation included a briefing that covered the Automated Weather

Distribution System (AWDS), the Satellite Data Handling System (SDHS), and the Next Generation Radar (NEXRAD).



Capt. Michael G. Wright and Lt. Col. Frank J. Misciasci. (U.S. Air Force photo)

## AWS update

### Making a mark!

Lt. Col. George G. Koenig, Chief, Optical Field Activities, of the Optical and Infrared Technology Division at the Air Force Geophysics Laboratory (AFGL), has landed the 1987 U.S. Air Force Research and Development Award for his contributions to the Infrared Search and Track System (IRSTS).

He designed an experiment which leveraged AFGL resources by merging them with those of the First International Satellite Cloud Climatology Program Regional Experiment (FIRE), a multi-agency field program investigating the climatic effects of cirrus clouds. It included NASA, NOAA, and the Universities of Utah, Wisconsin, Florida, British Columbia, the State University of New York at Albany and Columbia.

FIRE contributed data obtained from three aircraft, four ground-based laser radar systems, a network of radiometers, and weather balloons. AFGL made ice-particle measurements at 29,000 to 40,000 feet from a Lear jet and tracked the B-52 target aircraft on clear and cloudy days from the AFGL NKC-135 flying infrared laboratory, under the direction of Dr. John Schummers.

Colonel Koenig's experiments proved successful, producing the first data on the effect of optically thin cirrus clouds on long-path infrared transmittance. The IRSTS optical sensor will be re-evaluated in the context of his data. Future systems designers will also have access to this new environmental database.



Lt. Col. George Koenig

### Taking charge!

Capt. Frederick N. Turcotte, HQ AWS/DOSP, has won the 1988 Airlift Association Young Leadership Award.

As part of its charter — to identify, encourage and recognize future leaders, the Airlift Association sponsors this award annually for an aspiring young civilian, officer or airman.

Before his assignment to AWS Headquarters, the captain was

charged with the planning and execution of building a fully mission-capable detachment, ready for worldwide deployment. He led the way, creating the detachment from scratch to support the U.S. Army's 10th Mountain Division (Light Infantry).

He wrote a comprehensive weather support plan, which was used as a model for Army support documentation. He coordinated the installation of a division-wide, automated weather warning notification system, expanding the number of units notified by more than 100 percent, while reducing total dissemination time by 30 minutes.

The captain initiated a plan using automation and communications links to provide a full complement of critical weather data and briefing support to his division's combat aviation brigade located at Griffiss AFB, N.Y., nearly 80 miles away from his detachment at Fort Drum.

Col. John J. Kelly Jr., Air Weather Service Commander, congratulated the captain stating, "You have earned this award through outstanding contributions to the Air Force and the civilian community. Your superior design for upgrade of the base weather station encompasses all future technological systems, and will make it one of the most modern and functional in the Air Weather Service."



Capt. Frederick Turcotte

The WC-130H workhorse used by AWS's 53rd Weather Reconnaissance Squadron and the 815th Tactical Airlift Squadron. (U.S. Air Force photo)



## WX Reserve aircraft take new look

Aircraft No. 50967 returned to Keesler AFB, Miss. in October sporting a new look and ready for the new mission of the 815th Tactical Airlift Squadron.

Completely overhauled from its weather reconnaissance configuration, the C-130 is the first of the reconfigured aircraft to return to the 815th Tactical Airlift Squadron with a camouflaged paint job.

In December 1987 the wing converted from its former weather reconnaissance mission to tactical airlift; however, the unit retains a limited weather reconnaissance capability.

Four WC-130H aircraft are still maintained to perform the weather mission. The rest of the fleet was reconfigured for the tactical airlift mission.

Built by Lockheed Aircraft Corporation, aircraft 50967

transferred to the 815th inventory from the 53rd Weather Reconnaissance Squadron, also at Keesler, in December 1975.

Storm mission logs show that tail No. 50967 has participated in many weather reconnaissance missions, including well-known storms such as Hurricanes Bob and Frederick in 1979; Josephine and Lili in 1984; Danny, Juan, Kate and Gloria in 1985.

Air Force Reserve maintenance people saved thousands of dollars by reconfiguring the C-130s in-house.

Performing the first phase of the reconfiguration at Keesler rather than sending the aircraft to depot saved dollars and made sense, according to the program managers.

In manhours alone, the savings total more than \$334,500. The figure does not include savings from procuring equip-

ment through Air Force supply channels rather than going to the aircraft builders for the parts.

"Warner Robins Air Logistics Center estimated about 1,000 manhours to complete phase I," explained Lt. Col. Ralph Zuleeg, 403rd Tactical Airlift Wing deputy commander for maintenance.

"We performed phase I on all eight airplanes, saving the Air Force an estimated \$334,500," Colonel Zuleeg said.

"An even larger savings can be calculated if one figures the cost of replacing these aircraft and paying millions of dollars to get new ones," said the colonel.

Performing the work in-house also let the unit keep its own aircraft, which have fewer flying hours than aircraft of the same age in the Air Force fleet.

## Turkey feast

"Grandma never made Thanksgiving dinner any better." That's according to personnel from Det. 15, 30WS.

Members from the unit gathered together in the Osan Chapel Annex to cook an old fashioned Thanksgiving dinner.

With families thousands of miles away, Det. 15 personnel thought it would be nice to celebrate family week the old fashioned way.

Beginning at 7 a.m., they fixed a breakfast of pancakes and eggs, then began preparing the main meal.

They roasted two turkeys, cooked a ham, and fixed trimmings of candied jams, vegetables, dressing, cranberry sauce and more.

The meal was followed with homemade pies and ice cream. While the food was great, the best part was that everyone worked together to prepare the meal — just, like it used to be at grandma's.



WHAT A TURKEY! — Maj. (Lt. Col. select) Stephen Carroll, Det. 15 commander, shows off the Thanksgiving Turkey prepared by Det. 15. (U.S. Air Force photo)

# The few, the proud, the tough weather hombres

Recently, four members of Det. 3, 5th Weather Squadron, Fort Bragg, N.C. had the distinction of being the first AWS parachutists during joint training mission "Coastal Gold 88" at Camp Lejeune, N.C.

The mission was planned by SSgt. Johnny Reid, and involved special operations and conventional airborne personnel from the USAF Tactical Air Control Party (TACP); the Canadian Airborne Regiment; the U.S. Army's XVIII Airborne Corps; 82nd Airborne Division; 7th Special Forces Group (Airborne); and the John F. Kennedy Special Warfare Center and School; the U.S. Marine Corps' 2nd Force Reconnaissance Company (FORCE RECON), 2nd Air and Naval Gunfire Liaison Company (ANGLICO), and 2nd Reconnaissance Battalion.

Six jumps were made during the three days of training, including four CH-53 helicopter jumps and two OV-10 Bronco jumps (one a water jump).

Only the U.S. Marine Corps presently utilizes the OV-10 BRONCO for parachute insertion, and the method is somewhat unique. There are four jumpers and a safety rider aboard; the jumpmaster rides with only an ordinary aircraft seatbelt holding him in.

The pilot keeps the aircraft at treetop level to avoid detection by enemy radar, and approaches the Drop Zone (DZ) at 200 feet and 220 knots.

Upon reaching the DZ, the pilot immediately does a maneuver known as a "pop-up," climbing to between 40 and 70 degrees.

At 800 feet, the jumpmaster simply releases his seatbelt and all four jumpers just fall out of the aircraft. Advantages to this are that the jumpers are grouped more closely together and thus can land, link up, and proceed with their mission faster.

All mission participants gave an overview of their jobs and missions, and the members of Det 3 gave a briefing on the Forward Area Limited Observation Program (FALOP), which was well received by all.

The culmination of the mission was, however, the "Gold Wings" ceremony. The members of the U.S. Navy and U.S. Marine Corps have many traditions, and one which they take very seriously is pinning on the Gold Wings.

To a wearer of the Gold Wings, the Basic Parachutist Badge is the "Silver Shield of Shame" or the "Lead Sled."

Many Marines have the opportunity to attend Airborne School, but to earn the Gold Wings you must be assigned to an active jump unit, be on jump status for more than 90 days, and complete five jumps after Airborne school with a Navy or Marine jump unit or joint service unit.

As we had completed all the requirements, it was determined that we would be awarded the wings. The members of Force Recon effectively redefined the meaning of the words "Blood Wings" for us.

The tradition is such that anyone who has previously been awarded the wings is authorized to "pin you," and we

had the pleasure of being "pinned" by 10 U.S. Navy and U.S. Marine Corps personnel...not a pretty sight.

The mission is not one which any of the participants will soon forget and showed how good an interservice operation can be.

Much was learned, and the

parachutists of Det. 3 displayed once again the professionalism of the U.S. Air Force and Air Weather Service.

Members of Det. 3 who entered the Brotherhood of the Gold were TSgt. Kevin Cummings, SSgt Johnny Reid, SSgt Billy Pruett, and SrA Scott Rizzo.



**Weather gladiators** — Members of Air Weather Service's Det. 3, 5th Weather Squadron, show off their wings after completion of a Marine Corps "Bloodwing" ceremony. From left to right are SSgts. Billy D. Pruett and John H. Reid II, SrA Scott A. Rizzo and TSgt. Kevin J. Cummings.



**RAAAAH!** — Wings are "nailed" in Marine style on SSgt. John Reid II during a pinning of Goldwings by U.S. Navy and Marine personnel. (U.S. Air Force photos)



Members of Det. 15 take time out for a photo with children from the orphanage. Weather Service members from right to left are Col. Randolph W. Ashby, 30WS commander; Capt. Steven R. Gilbert; 1st Lt. Gregory S. Hinners; and Maj. Stephen W. Carroll, Det. 15 Commander. (U.S. Air Force photo)

## Det 15, 30 WS Supports Chin Mok 88

By 1st Lt. Gregory S. Hinners  
Det. 15, 30WS

Det. 15, 30th Weather Squadron, Osan AB, Korea, showed its concern for others by supporting the local Chin Mok Festival.

Chin Mok, which means "friendship" in Korean, was originally founded when Air Force medics visited local orphanages to check the health of the children.

Now it is a festival held once a year at Osan, around October, to raise funds to support many orphanages.

This year's festival included games, food, and live bands.

Members of Det 15, 30WS, worked hard to raise \$2,316.23

which they recently presented to St. Vincent's Home for Amerasians.

*Members of Det. 15, 30WS, worked hard to raise \$2,316.23 which they recently presented to St. Vincent's Home for Amerasians.*

All proceeds from the festival go toward support of the local orphanages and the participating units' personnel recognition programs. 1st Lt. Gregory S. Hinners, Det. 15's project officer for Chin Mok, reported members of Det. 15 spent sev-

eral Saturdays building the booths used at the festival.

Then, for four days, over the Columbus holiday, they manned their booth, selling items to raise money for the orphanages.

Det. 15 personnel joined with others from units at Osan AB to raise over \$108,000 during the festival.

Det. 15 personnel also support the orphanage by assisting 30th Weather Squadron with the annual airlift of clothes and toys from the States during Christmas.

The unit also obtained several hundred dollars worth of gum and candy for donation to the children at the orphanage.

# 1988 proves a fantastic year — but you ain't seen nothing

By TSgt. Dave Black  
AWS Public Affairs

Looking back, 1988 was an incredibly successful year for the Air Weather Service. While supporting front-line missions of the Air Force, Army and Department of Defense, Air Weather Service forged ahead to meet the future challenges of observing and forecasting the skies for those who fly and fight.

Probably the most significant event of the year was the naming of a new Air Weather Service commander by Commander in Chief, Military Airlift Command, Gen. Duane H. Cassidy. General Cassidy selected Col. John Kelly Jr. as the 19th commander and he assumed command July 1 after the retirement of Brig. Gen. George E. Chapman.

After taking the reins, Colonel Kelly said, "We are fast entering a new era in the way the Air Weather Service does business and we need to get ready." Over the past decade, acquisition programs have been developed,

systems validated, and funds for numerous projects approved.

"The challenge we face today will be to field those systems, which are now in the acquisition

*"We are fast entering a new era in the way the Air Weather Service does business and we need to get ready. The challenge we face today will be to field those systems, which are now in the acquisition process, and get the force ready and trained to use them."*

Col. John J. Kelly Jr.  
AWS Commander

process, and get the force ready and trained to use them," he added.

The commander was quick to set forth goals for 1989 which are: **Enhance Combat Readiness; Sustain Quality of Life Programs; Improve Retention Rates; Integrate New Technology; Improve People and Facility Appearance;**

**and Improve AWS Capability to Observe and Forecast Mission-Limiting Weather Conditions.**

Earlier, during February, Air Weather Service officials announced "A New Technology for Typhoon and Hurricane Forecasting," using advanced weather satellite and radar technologies which opened a new chapter in the history of meteorology for the Air Force.

Improved data processing methods, analysis techniques, and a lot of hard work by satellite analysts and typhoon forecasters, using data from five weather satellites, resulted in Pacific area forecasts comparable to those based on WC-130 weather reconnaissance aircraft.

Air Weather Service's technological thrust in space expanded when Maj. Carol Lynn Belt, was announced as Military Airlift Command's Weather Officer in Space. Maj. Lloyd L. Anderson was named as her alternate.

Two months later, they received NASA medical flight certification at Houston's Johnson Space Center for the Air Weather Service's PATH-



Col. (Brig. Gen. sel) John J. Kelly Jr. accepts the Air Weather service standard from Military Airlift Command, Commander in Chief Gen. Duane H. Cassidy July 1, 1988. (U. S. Air Force photo)

FINDER mission. The mission will seek out and explore the potential for trained meteorologists to provide human unique observations of meteorological phenomena from space.

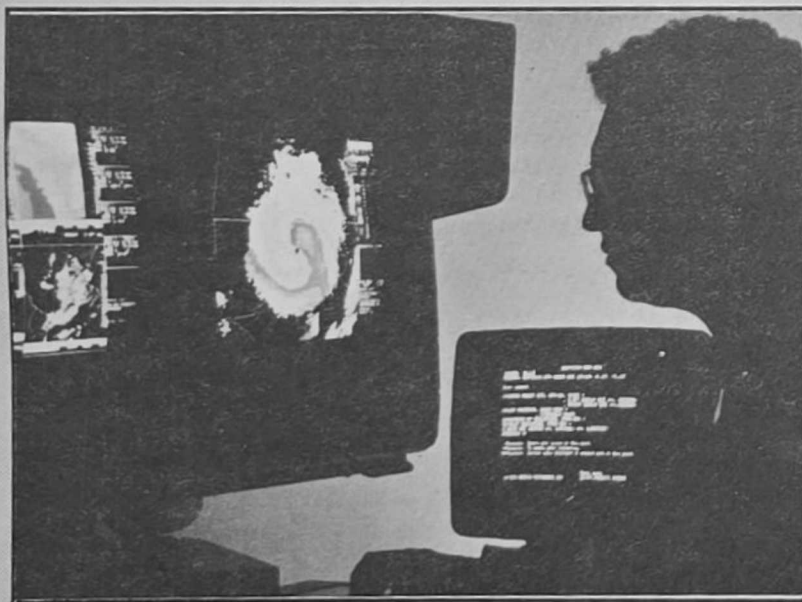
PATHFINDER will include 12 experiments covering such areas as weather observation and fore-

casting, cloud structure, thunderstorms and lightning, tropical cyclones and monsoons, suspended dust and blowing sand, and ionospheric events.

Back on earth, Air Weather Service continued its probe

(Continued on page 7)

## NEXRAD moves from aquisition to reality



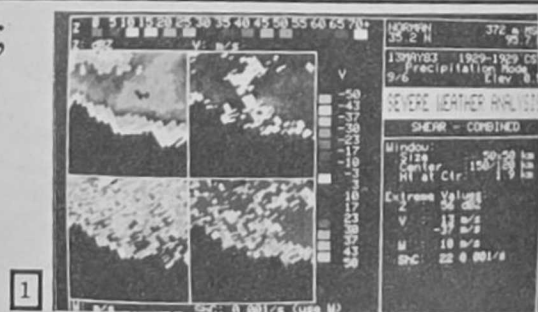
Just one example of many technologies Air Weather Service has been working hard to bring on line is the Next Generation Radar, a triagency program of the Departments of Commerce Defense and Transportation. The Air Force Operational Test and evaluation Center (AFOTEC), NEXRAD's lead test agency is currently working with NEXRAD JSPO to prepare for Initial Operational Test and Evaluation Phase 2 scheduled this month through June 1989 at the NEXRAD Support Facility (OSF), Norman, Okla.



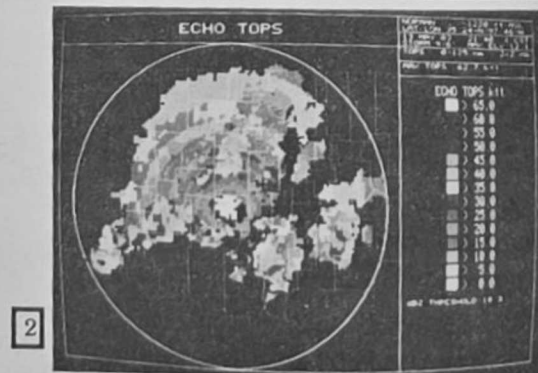
NEXRAD terminal

### Simple displays; wide variety of weather data

1. This product is a four-panel display of three fields plus combined shear. It is centered on a small storm southeast of the radar. There is some shear associated with the high speed radar.



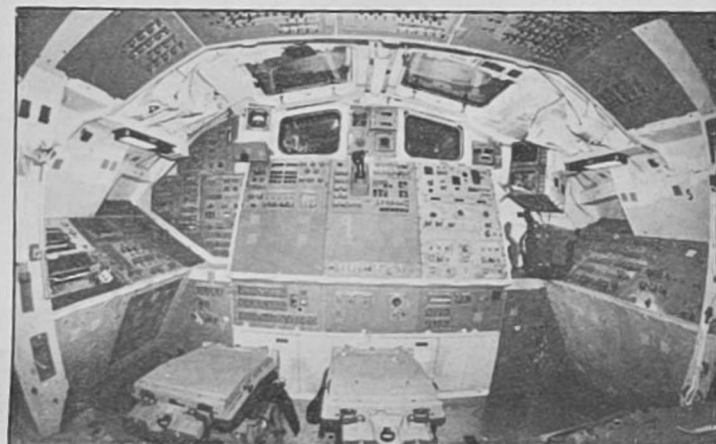
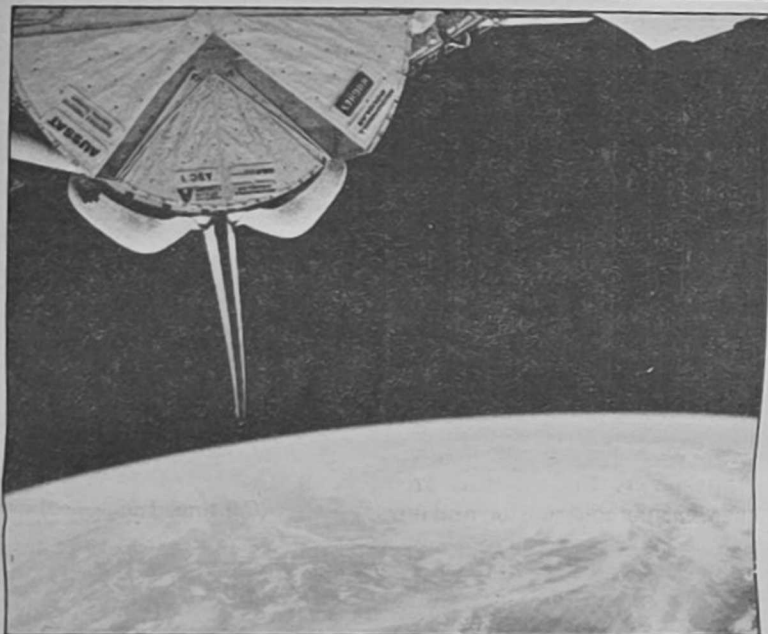
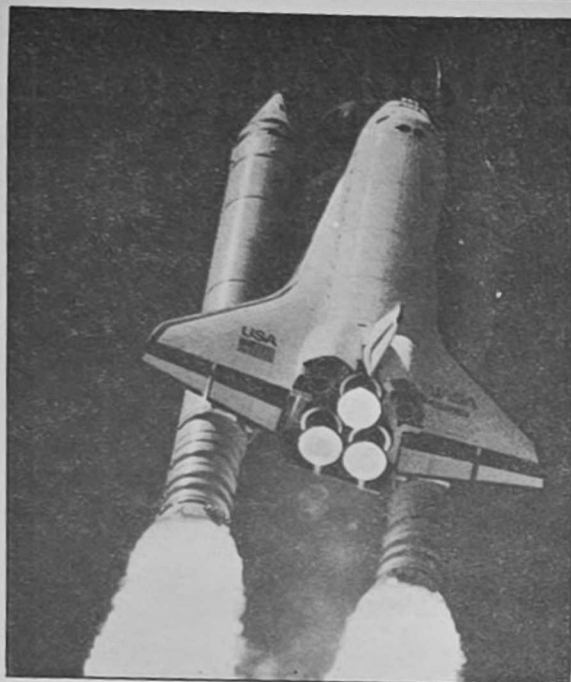
2. The Echo Tops Product shows the maximum height at which any echo with a value of 18dBZ, or greater, was detected. The product shows banding of data resulting from the scanning strategy used. (U. S. Air Force photos)



ng yet!

## MAC Officer in Space

Air Weather Service's technological thrust in space expanded when Maj. Carol Lynn Belt, was announced as Military Airlift Command's Weather Officer in Space. Maj. Lloyd L. Anderson was named her alternate.



Top photos left to right: Space shuttle Atlantis; Maj. Carol Belt; and Major Belt in the space shuttle trainer. Bottom row: Space shuttle on the earth's horizon; Maj. Belt and Lloyd Anderson studying geographical maps; and inside look at the space shuttle. (NASA and U. S. Air Force photos)

into space when a long awaited FRR-95 Solar Radio Telescope went operational during April for 4th Weather Wing's Det. 2 at Sagamore Hill, Ipswich, Ma. The telescope represents the latest and best in space environmental sensing equipment. On June 15, a ground breaking was also held for a new Space Forecast Center to be colocated with Air Force Space Command units at Falcon AFB, Col. The 10,000 square-foot Space Forecast Center highlights an effort begun by Air Weather Service nearly 30 years ago when the Air Force became actively involved with space.

Like the atmosphere near the earth's surface, the environment of space affects communications, navigation, and radar systems. The new Space Forecast Center will combine environmental data from a wide variety of ground and space-based sources, and issue alerts, warnings and forecasts to its customers.

Air Weather Service continued to march forward with other major projects such as

the Next Generation Weather Radar (NEXRAD), the Automated Weather Distribution System DF(AWDS) and the Defense Meteorological Satellite Program (DMSP).

***PATHFINDER will include 12 experiments covering such areas as weather observation and forecasting, cloud structure, thunderstorms and lightning, tropical cyclones and monsoons, suspended dust and blowing sand, and ionospheric events.***

In discussing NEXRAD and AWDS, the Colonel Kelly said, "The Air Weather Service is on the threshold of a major technological revolution in the way it does its job. NEXRAD and AWDS will significantly enhance our capabilities to support our nation's combat forces."

The NEXRAD Joint System Program Office announced that the second phase of the initial operational test and

evaluation for NEXRAD would begin in early 1989, leading to the award of a full production contract.

The initial AWDS production contract was awarded in early October to three contractors: Eaton Corp. of West Lake Village, Calif., Unisys (Communication System Division) of Salt Lake City, Utah, and Federal Electric (a division of ITT) of Santa Maria, Calif. These three will each develop two prototype systems which will compete in a 'fly-off' around January 1990. The selection to a single winner will be made in July 1990.

AWDS will apply state-of-the-art computer, display, and communications technologies for more efficient use of resources and more timely responses to operational needs. Production calls for the procurement of 157 fixed systems plus 20 transportable systems for deployment with Air Force and Army tactical units.

Whether exploiting new technologies or supporting weather missions around the world, the Air Weather Service was prepared.

(Continued on page 8)



## Last Mission Splash 1

The AWS Observer would be remiss if we didn't comment on Brig. Gen. George E. Chapman's retirement July 1, 1988. He served as commander longer than any before him making great strides in the

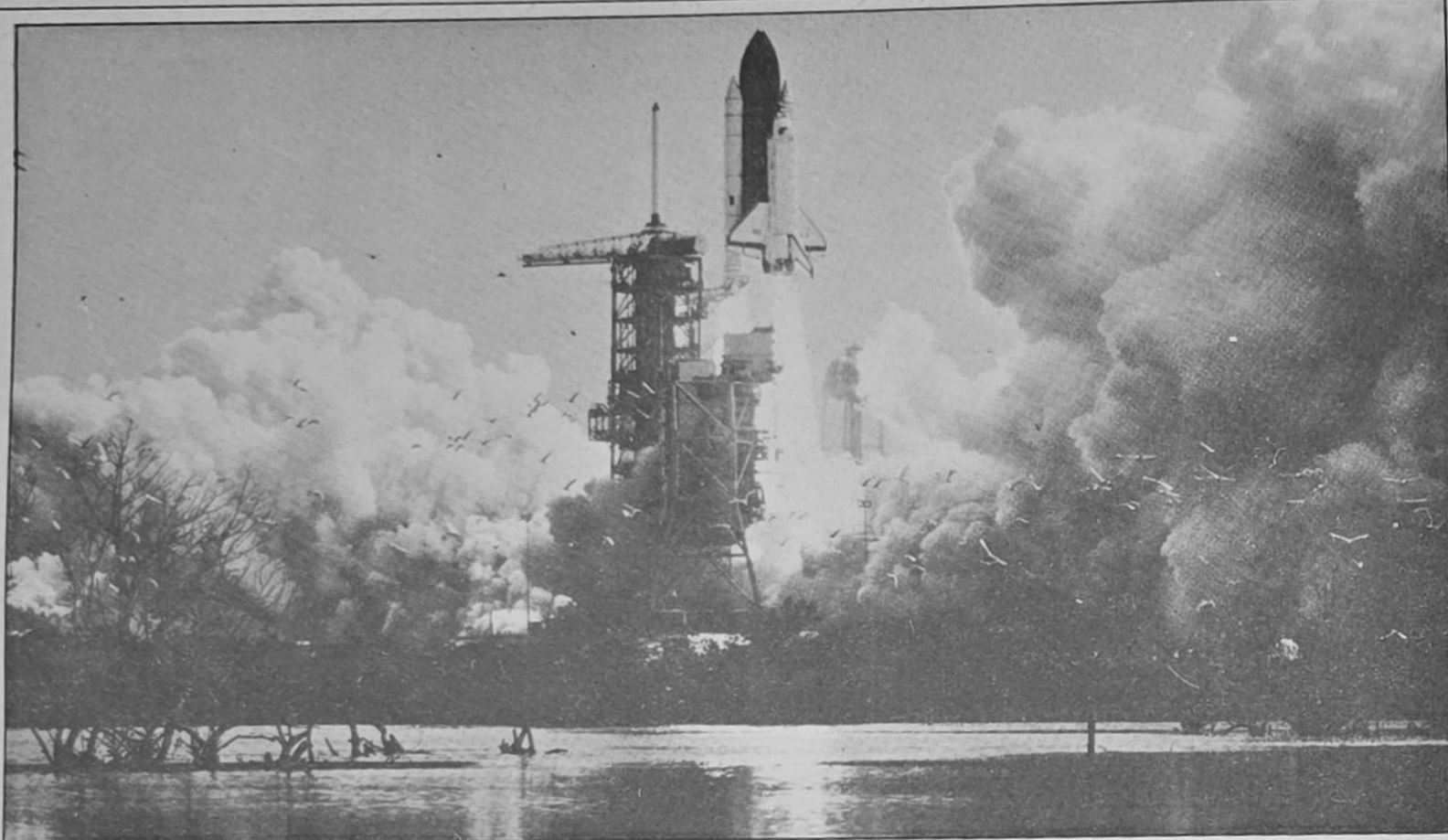
command. We will surely miss him. Congratulations and godspeed to Col (Brig. Gen. sel) John J. Kelly Jr.

1. General Chapman arrives from last mission, a ground breaking ceremony for the new Space Forecast Center at Falcon AFB, Colo.
2. Stealthy staff awaits behind fire truck
3. CHARGE!!
4. Score — 1 wet general.

# U.S. BACK TO SPACE

## AWS was there

Space shuttle Discovery lifts off the launching pad Sept. 29 and Air Weather Service was there for meteorological support. Long before the launch, AWS, through its Air Force Environmental Technical Applications Center provided necessary climatological studies needed to plan the launch. NASA depended heavily on AWS's 4th Weather Wing and other units for meteorology support around the clock for all aspects of the shuttle mission. AWS was there again for the Atlantis mission a month later. (Photo courtesy of NASA)



(continued from page 7)  
Mock war broke out for 5th Weather Wing's Det. 25, when the U. S. Army South Cadre Weather Team, Fort Clayton, Panama, supported the 93rd Infantry Brigade (Light) in exercise **BLACK PALM IV**. During the six-day exercise (March 4-10), the team provided weather support to all operations in the low intensity conflict staged in the Panamanian jungle, at an area called Loma Boracho — Spanish for "drunken hill."  
A week later, Air Weather

Service members from 20th and 30th Weather Squadrons, 1st Weather Wing, plus augmentees from the continental United States, proved their tactical capabilities in **TEAM SPIRIT** — the largest exercise in the free world.  
Air Weather Service members from 20th Weather Squadron's Det.5 also supported the largest joint, combined exercise in the western Pacific called **COBRA GOLD '88** in July and August. The exercise was designed to improve U. S. and Thai combat readiness.

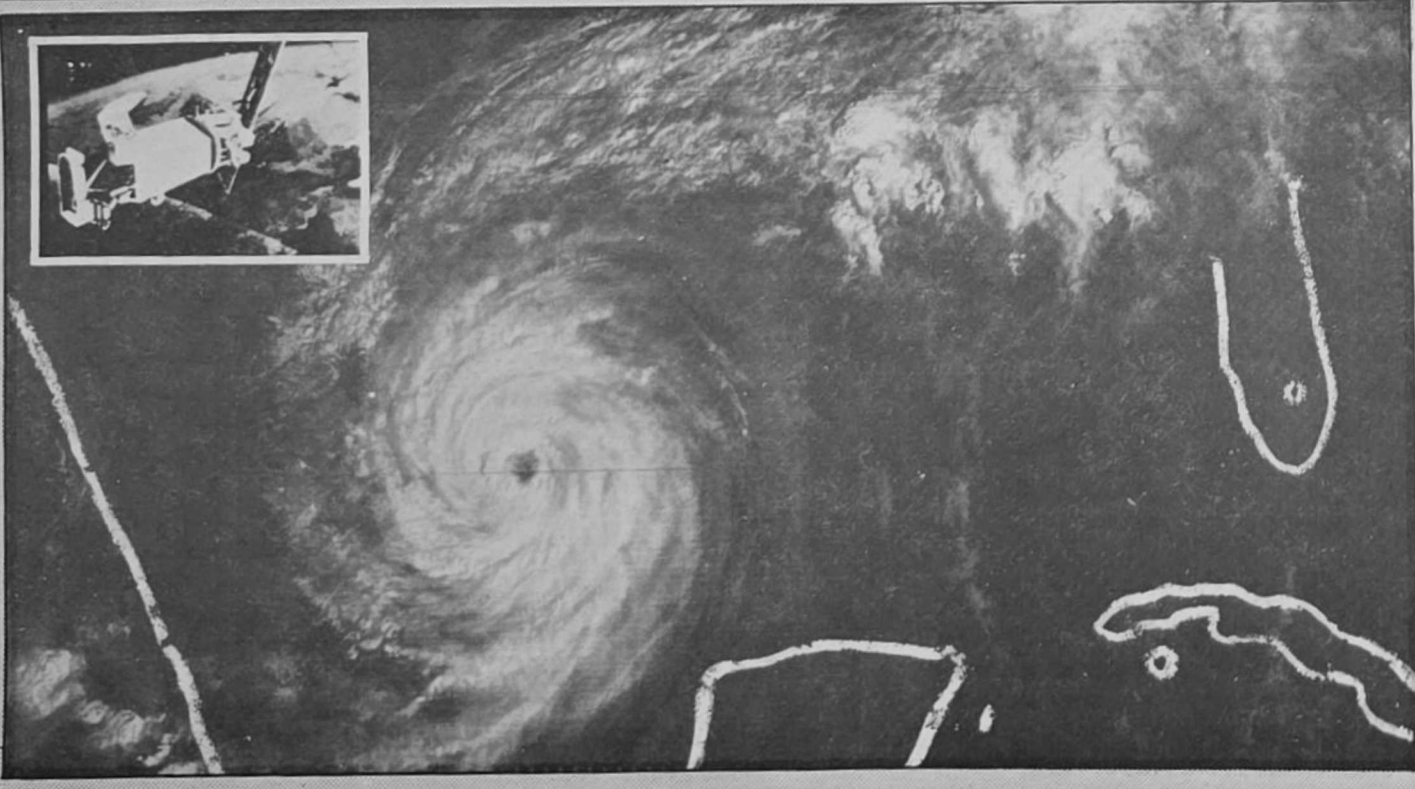
### *Whether exploiting new technologies or supporting weather missions around the world, the Air Weather Service was prepared.*

More than 120 people, 75 percent of those from 2nd Weather Wing, supported **REFORGER 88** during September. This exercise tested mobilization and deployment capabilities to move troops from the United States to the European theater.

In a different kind of battle, members of the Air Weather Service nationwide went eye to eye with one of this century's most powerful tropical cyclones — Hurricane Gilbert, during early September. People at the Air Force Global Weather Central (AFGWC), Offutt AFB, Neb., gathered critical storm information from satellites, while other AWS meteorologists at bases along the southern coast issued advisories and warnings to protect national resources.  
Meanwhile, the military component working at the

National Hurricane Center, 7th Weather Wing's Chief Aerial Reconnaissance Coordination, All Hurricanes (CARCAH), tasked "Hurricane Hunter" crews from Keesler AFB, Miss. for weather reconnaissance missions. And men and women from Det. 1, 7th Weather Wing, flew into Gilbert's eye, tracked the storm, and reported important weather data. Hurricane Gilbert broke all hurricane records for this century with a central pressure of 26.28 inches of mercury.  
(continued on page 9)

## AWS members prove their mettle against mightiest hurricane this century



Using the Defense Meteorological Satellite Program spacecraft (inset) bearing the microwave imager along with the command's four other satellites of various types, members of AWS's Air Force Global Weather Central ascertained critical storm information while men and women from Det. 1, 7th Weather Wing, flew into the storm's eye, tracked and reported valuable data. Air Weather Service members across the nation kept a close eye on this storm which broke all hurricane records for the century with a central pressure of 26.28 inches of mercury. This image shows Hurricane Gilbert located in the Western Caribbean at 2 a.m., Sept 13, heading on a crash course with the Yucatan Peninsula. (U. S. Air Force photos)

(continued from page 8)

On Sept. 29, 12 days after Gilbert slammed into Mexico's gulf coast, Air Weather Service members proved their resilience by helping NASA put America back into space with the successful launch of the Space Shuttle Discovery.

Long before the launch, the Air Force Environmental Technical Applications Center at Scott AFB, Ill., provided necessary climatological studies needed to plan the shuttle launch, landing and recovery.

Fourth Weather Wing,

**Fifth Weather Wing's Det. 25 received its 8th award of the Air Force Outstanding Unit Award (AFOUA) for exceptional meritorious service, while the 1st Weather Wing received its seventh AFOUA for superior aerospace environmental service.**

through its 2nd Weather Squadron, Det. 11, as well as the AFGWC, provided a variety of support to launch the Space Shuttle. The same support was provided to the Atlantis mission about a month later.

Other noteworthy highlights for the command include 5th Weather Wing's Det. 25 receiving its eighth award of the Air Force Outstanding Unit Award for exceptional meritorious service. The 1st Weather Wing re-

**The first AWS High Frequency Regional Broadcast (HRFB) station became operational in September. HRFB provides a significant improvement to AWS's capability to support tactical operations and contingencies.**

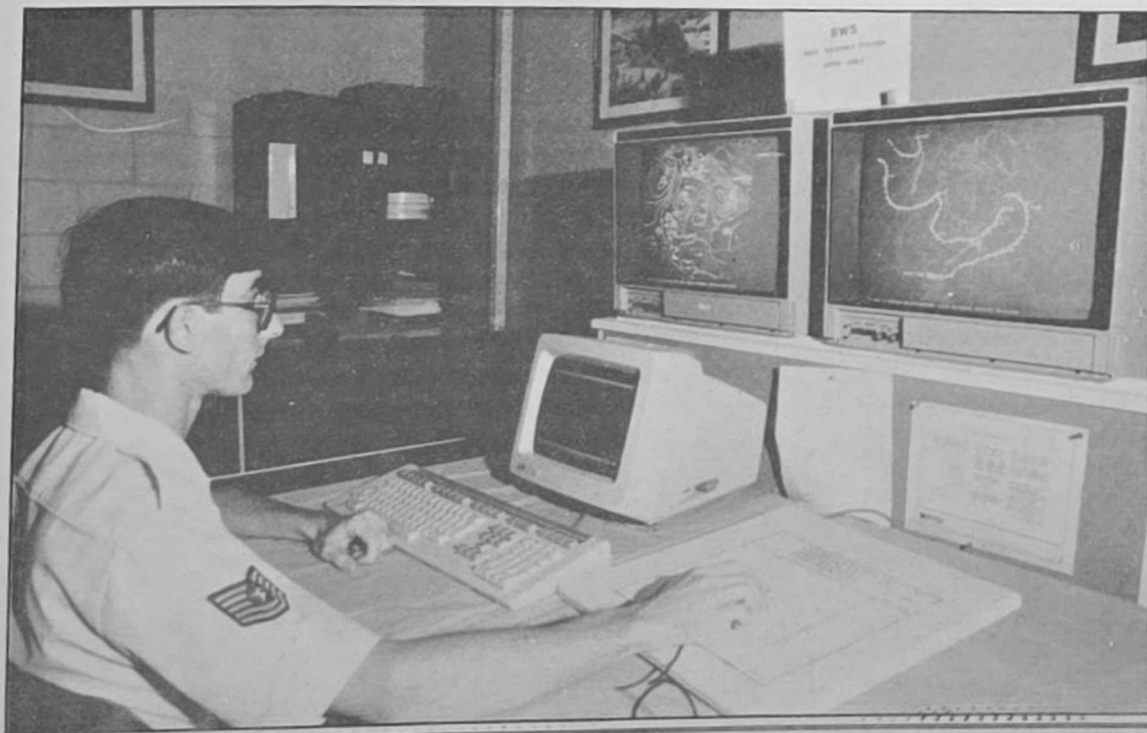
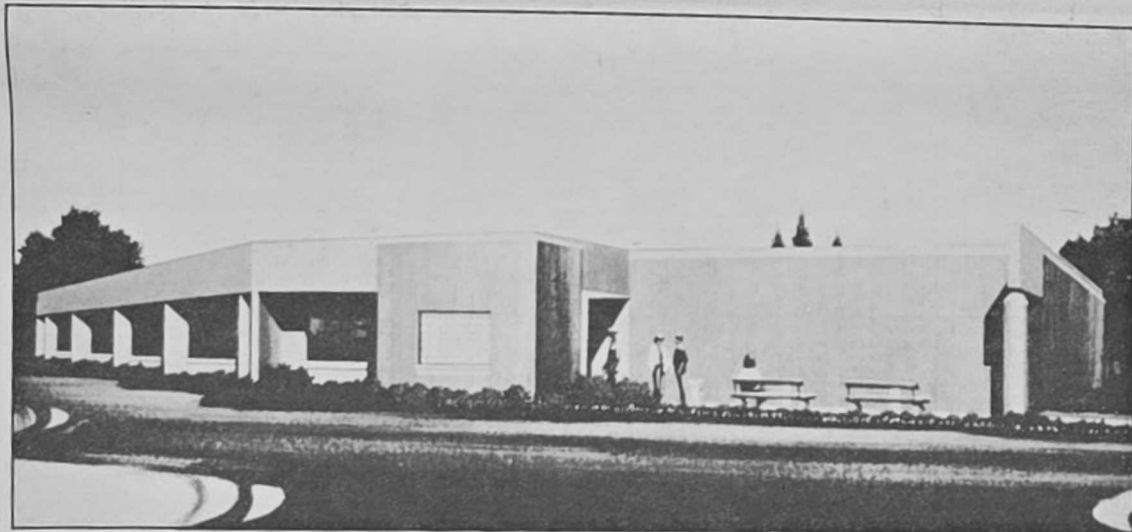
ceived its seventh Outstanding Unit Award for superior aerospace environmental service in support of the widely dispersed U. S. and allied armed forces in the Pacific.

The wing also began using the Pacific Meteorological Dissemination System (PAC

(continued on page 10)



**Space Forecast Center**  
A ground breaking for the Air Forces's new \$215 million Space Forecast Center was held June 15 at Falcon AFB, Colo. The new 10,000 square foot facility highlights an effort begun by Air Weather Service nearly 30 years ago when the Air Force became actively involved with space.



**Automated Weather**  
TSgt. Robert Born of Det. 10, 2nd Weather Squadron, Eglin AFB, Fla., analyses a surface chart at the Automated Weather Distribution System (AWDS) base weather station functional area during the initial Operational and Test Evaluation from June through September this year. The initial AWDS contract was awarded in early October.

**DANGEROUS MISSION:** Top photo shows view from a WC-130 cockpit with Aircraft Commander, Capt Carl Blatz and crewmembers while they fly through storm rain bands enroute to Hurricane Gilbert's eye on a data gathering mission. Right photo shows A1C Timothy Fields, dropsonde operator with Det. 1, 7WW, preparing a dropsonde instrument for launch. Photo at left, illustrates the destructive power of tornadoes spawned by Hurricane Gilbert such as this building destroyed at Kelly AFB, Texas. (U. S. Air Force photos)

# AWS SALUTES

## Medals

### Meritorious Service Medal to:

FLENZ, MSgt. Edward R., Det. 13 2WW  
JEFFREY, MSgt. Edgar L. Jr., HQ7WW  
NELSON, MSgt. David G., Det. 13 2WW 10LC  
PRANGE, SMSgt. Jim., Det. 1 17WS  
RILEY, MSgt. Richard, Det. 13 15WS  
SCHEDEL, SMSgt. John R., Det. 11 7WS  
SWEET, MSgt. Ernest E., AFGWC  
WILDA, Maj. Chester V., 20LC ETAC

### Air Force Commendation Medal to:

ANDERSON, SSgt. James, Det. 26 7WS  
CABEEN, TSgt. Thomas E., 20LC AFGWC  
CLAVELL, TSgt. Penny R., 10LC ETAC  
DENNIS, SSgt. William, Det. 5 7WS  
GRANGENT, Sgt. Shirley, Det. 14 17WS  
GRIMES, SSgt. Steven, Det. 14 17WS  
HERB, TSgt. Thomas, Det. 13 15WS  
HIGDON, TSgt. Melody, 20LC Det. 9 6WS  
LYON, MSgt. Thomas M., 20LC AFGWC  
NELSON, SSgt. Randy E., Det. 13 7WS  
RITCHIE, MSgt. Roger, Det. 20 17WS  
SCHWARTZ, SSgt. Marilyn M., 10LC AFGWC  
TAYLOR, MSgt. Steven, 20LC HQ 7WW  
VANDEMARK, MSgt. James 10LC Det. 7 17WS

### Army Commendation Medal to:

BUCHANAN, TSgt. James, Det. 26 7WS  
KNOWLES, SSgt. Cory W., 6WS  
PAUL, SMSgt. William T., Det. 7 7WS

### Air Force Achievement Medal to:

BARNES, Terry L., ETAC  
COWART, SSgt. Jerry, Det. 6 7WS  
DOYLE, Maj. Eleanor A., HQ 7WW  
HARRIS, 2Lt. Thomas E., HQ 7WW  
MARCHANT, 1Lt. David, AFGWC  
MEIER, 1Lt. John F., Det. 5 7WS  
PICKARD, SSgt. Steven, 6WS  
PLILER, Sgt. Gregory, Det. 13 7WS  
SAFRED, A1C Kevin, Det. 26 7WS

### Army Achievement Medal to:

BENEFIELD, SrA. Jeffrey S., Det. 13 2WW  
BOULTON, SSgt. Max R. Jr., AFGWC  
FARLEY, SSgt. Jerry, ETAC  
GATA, TSgt. Ray D., Det. 8 7WS  
LONGOBARDI, Capt. Stephen M., Det. 8 7WS  
SMITH, SSgt. Robin R., Det. 18 28WS

### Combat Readiness Medal to:

FRIEND, Capt. Ivan K., Det. 5 7WS

### Senior Parachutist Badge:

BRAMHALL, 1Lt. Michael, Det. 3 5WS  
MITCHELL, 1Lt. John, Det. 3 5WS

### U.S. Marine Corps Parachutist Insignia:

CUMMINGS, TSgt. Kevin, Det. 3 5WS  
REID, SSgt. Johnny, Det. 3 5WS  
RIZZO, SrA. Scott, Det. 3 5WS  
PRUETT, SSgt. Billy, Det. 1 5WS

### To Captain:

BASKIN, Walter E., AFGWC  
MCGILL, David W., AFGWC

### To First Lieutenant:

HENRY, Mark E., AFGWC  
MILLER, David A., AFGWC  
QUIGLEY, Stephen, AFGWC

### To Second Lieutenant:

NIVER, SSgt. Terance L., Det. 40 2WW  
direct commission in USAF medical corps

### To Senior Master Sergeant:

OUDEKIRK, Gary A., Det. 23 6WS

### To Master Sergeant:

BLACK, David L., HQAWS  
BRANSKI, Frederick, ETAC  
GARRETT, Steve L., Det. 1 15WS  
WOLFE, Duane A., Det. 19 15WS

### To Technical Sergeant:

SCAGGS, Thomas H., AFGWC

### To Staff Sergeant:

BLACK, Shirley L., Det. 14 17WS  
LOEWENTHAL, Henry D., Det. 1 15WS

### Appointed to Sergeant:

KERZICK, James E., Det. 5 7WS  
MANTHEY, Francis D., Det. 11 7WS

### To Senior Airman:

FRANKLIN, Kenneth J., AFGWC  
JACOBSEN, Richard D., Det. 2 7WC  
RIZZO, Scott, (BTZ) Det. 3 5WS  
WETZEL, George R., Det. 7 AFGWC

### To Airman First Class:

CALDWELL, Holly, Det. 20 31WS  
CASTENEDA, Cory A., Det. 20, 17WS  
DEDICATORIA, Eric J., Det. 20 17WS  
ENGELKE, Scott R., AFGWC  
TALLON, Julie C., AFGWC  
WALKER, Lester D., AFGWC

### To Airman:

BAKOS, Bobby A., Det. 10 15WS  
GILBERT, Karyn L., Det. 26 28WS  
KENNEDY, Walter, Det. 3 5WS  
MATHIAS, Wesley, Det. 29 17WS  
SLISIK, James E., Det. 1 15WS

## UNIT HONORS

### Senior NCO of the Year for:

2WW - O'CONNOR, MSgt. Robert, Det. 2 7WS  
HQ2WW - THOMAS, MSgt. Robert, HQ2WW  
3WW - PARKER, MSgt. Duane C., Det. 19 26WS  
AFGWC - WALLACE, SMSgt. Edmund

### NCO of the Year for:

2WW - NAPIER, TSgt. Dennis, Det. 17 28WS  
HQ2WW - BRADLEY, TSgt. Melvin, Det. 13 2WS  
3WW - MELTON, TSgt. Patrick A., Det. 11  
AFGWC - SUGGS, TSgt. Rick A.

### Airman of the Year for:

2WW - JACOBSEN, SrA. Richard, Det. 2 7WS

HQ2WW - ROBBINS, SrA. Nova, HQ2WW  
3WW - HARRIS, SrA. Edward C., Det. 2 24WS  
AFGWC - TIMMERMANN, SrA. Richard

### Civilian of the Year for:

HQ2WW - YANEY, Sue HQ2WW  
USAFETAC - SURMEIER, Mark

### Administration of the Year for:

2WW - LAFRAMBOISE, Dorothy, HQ31WS civilian  
2WW - STRUEBING, SSgt. Terry L., Det. 15 28WS

### Company Grade Officer of the Quarter for:

2WW - KASTER, Capt. Mark A., Det. 2 7WS Jul-Sep  
HQ2WW - RUGG, 2Lt. Gerald, Det. 13 Jul-Sep  
7WW - FITZPATRICK, Capt. Michael HQ7WW  
6WS - NELSON, 1Lt. Kurt, HQ6WS  
15WS - SPITZER, Capt. Mark B., Det. 1

### Senior NCO of the Quarter for:

2WW - SPRINGER, SMSgt. Michael H. A., Det. 17  
28WS Jul-Sep  
HQ2WW - WERNECKE, MSgt. Jerry, HQ2WW Jul-  
Sep  
7WW - NEWMAN, MSgt. Harold E., HQ7WW  
6WS - POGUE, MSgt. James Jr., 6WS  
15WS - POSTER, MSgt. James E., Det. 15

### NCO of the Quarter for:

1WW - EVINS, TSgt. James P., Det. 7 20WS 3cy88  
2WW - GIBNEY, SSgt. Delores, Det. 228WS Apr-Jun  
2WW - BUCHANAN, TSgt. James, Det. 26 7WS Jul-  
Sep  
HQ2WW - BRADLEY, TSgt. Melvin, Det. 13 2WW  
Jul-Sep  
3WW - VAN VLEET, TSgt. Kim L., Det. 7 24WS  
4WW - BELLEVILLE, SSgt. Stephen B.  
7WW - DOUGHERTY, TSgt. Michael, 6WS  
AFGWC - SCHROEDER, SSgt. Stephen Jul-Sep  
7WS - WOLF, TSgt. Robert J., OL-1 Apr-Jun  
7WS - BUCHANAN, TSgt. James W., Det. 26 4th qtr  
11WS - LAMB, SSgt. Thomas A., Det. 1, 11WS Jul-  
Sep  
15WS - LEIDIG, SSgt. Paul F., Det. 1 15WS  
24WS - ANDRUKATIS, SSgt. Janice, Det. 15  
25WS - ELLISON, TSgt. Richard L., Det. 18  
26WS - KEARNS, TSgt. Timothy M., Det. 6  
28WS - GIBNEY, SSgt. Delore M., Det. 4 Apr-Jun  
28WS - ELYEA, SSgt. Mark L., Det. 17 Jul-Sep  
31WS - RUCKER, TSgt. Dennis, HQ31WS Jul-Sep  
31WS - JABLONSKI, TSgt. Jeffrey, Det. 7 Apr-Jun

### Airman of the Quarter for:

1WW - GLADWELL, A1C Shelly R., 30WS Det. 15  
3cy88  
2WW - ROBBINS, SrA. Nova, HQ2WW Apr-Jun  
2WW - BUSTANY, A1C Brady M., Det. 12 7WS Jul-  
Sep  
HQ2WW - BUCHANAN, A1C Chris, Det. 40 2WW  
Jul-Sep  
3WW - SCHIMELPFENIG, A1C Chris, Det. 40 2WW  
Jul-Sep  
4WW - WHITE, A1C Devon J., Det. 10  
7WW - HOSKINS, SrA. James R., 6WS  
AFGWC - TURK, A1C Brian M., Jul-Sep  
7WS - GREENE, SrA. Stephen W., Det. 10 Apr-Jun  
7WS - BUSTANY, A1C Brady M., Det. 12 Jul-Sep  
11WS - SCHIMELPFENIG, A1C Daniel K., Det. 1 Jul-  
Sep  
15WS - BRYANT, A1C Scott D., Det. 15  
24WS - MCBRIDE, SrA. Jeffrey M., Det. 1  
26WS - LEBRUN, SrA. Robert P., Det. 15 Apr-Jun  
28WS - CARR, A1C Rhoda Y., Det. 17 Jul-Sep  
31WS - MCDONALD, A1C Brian, Det. 1 Apr-Jun  
31WS - HOLLEY, SrA. Janet, Det. 14 Jul-Sep

### Administrator of the Quarter for:

1WW - SEXTON, TSgt. Clinton Jr., HQ1WW  
1WW - BELL, Judy L., HQ1WW

## Education

### Air War College

GOLDING, LtCol. Wayne L., AFGWC  
STEINBECK, LtCol. John A., HQAWSANG

### Air Command and Staff College:

FLEMING, Capt. Richard C., Cor 2WS Det. 11

### Squadron Officer's School:

KELLY, 1Lt. Michael A., 15WS Det. 21  
OWNINGS, 1Lt. Kathryn O., AFGWC  
SCHOLTEN, Brett W., 3WW  
WARANAUSSKAS, 1Lt., Det. 9 6WS

### Selected for SOS

class 89B Jan-Feb:  
ADDISON, Capt. Thomas, HQAWS  
BALLARD, Capt. Theodore, 3WW  
CAREY, Capt. Kenneth F., 4WW  
HAASE, Capt. Robert L. Jr., AFGWC  
LEUTE, Capt. Frank A., IV 7WW  
LUNDBERG, Capt. Jon E., 5WW  
PICKLE, Capt. John D., 1WW  
SORRELLS, Capt. Markus S., 2WW  
WALKER, Capt. Christopher, AFGWC

### class 89C Mar-Apr:

BREIT, 1Lt. Scott W., 3WW  
GIBBONS, Capt. William C., 5WW  
HOLLIS, Capt. Ann, 4WW  
REEB, Capt. Frank S., 7WW  
RIPPY, Capt. Douglas W., 1WW  
SIMS, Capt. Danny L., HQAWS  
SOLI, Capt. Robert A., 2WW  
TREDO, Capt. Daniel C. Jr., AFGWC

### Senior NCO Academy

CANTER, SMSgt. Philip 26WS Det. 6  
FOSTER, MSgt. James cor, Det. 15 15WS  
GAGNE, SMSgt. Dennis F., HQ31WS  
SUPRENANT, MSgt. Craig, Det. 1 17WS

### NCO Academy:

BLACKBURN, TSgt. James, AFGWC  
CARR, TSgt. Mike, 31WS Det. 25  
DAVIDSON, TSgt. Robert A., Det. 31 15WS  
DENNY, TSgt. William C., 24WS Det. 12  
GERRISH, John HQ2WW  
HIATT, TSgt. David D., AFGWC  
IMHOF, SSgt. Christopher, Det. 10 15WS  
MALINKY, TSgt. Kenneth M., AFGWC  
MURPHEY, TSgt. Rickey J., 24WS Det. 22  
O'BRIEN, TSgt. Raymond E. Jr., 28WS Det. 18  
OIMOE, SSgt. Steven C., AFGWC cor  
POTTS, TSgt. Charles S., Det. 36 26WS  
ROLL, MSgt. Neal, 26WS Det. 24  
SHOOK, TSgt. Gregory J., 9WS Det. 7  
SHOULDIS, TSgt. John W., AFGWC cor  
THIBAUT, TSgt. Richard B., 7WS Det. 26  
ZUPAN, SSgt. Katherine, cor Det. 9 6WS

### NCO Leadership School:

ALRED, SSgt. Richard D., 24WS Det. 1  
BUTLER, SSgt. Richard W., Det. 31 15WS  
DESSAGO, SSgt. Michael A., 24WS Det. 7  
EBBERT, SSgt. Daniel T., OL-C 31WS  
FOREMAN, Sgt. Wendell A., 26WS Det. 22  
HOLMES, Sgt. James, Det. 31 15WS  
KIELNECKER, SSgt. Wendell A., 11WS Det. 1  
LLEWELLYN, SSgt. Constance, 26WS Det. 19  
MINYON, SSgt. James C., 26WS Det. 23  
MORRIS, SSgt. Douglas, 7WS Det. 3  
MORTENSON, SSgt. Michael A., 9WS Det. 7  
NOVAK, SSgt. Donald L., Det. 1 1WW Levitow  
RAMBALI, SSgt. Christopher, 3WS Det. 1  
REID, SSgt. William A., 4WW Det. 6  
RYAN, SSgt. Charles L., AFGWC  
SCAGGS, SSgt. Thomas H., AFGWC  
SINGLETON, SSgt. Michael R., Det. 10 15WS  
SPRADLIN, Sgt. Carol A., 9WS Det. 16  
TROUTT, SSgt. Ronald C., 28WS Det. 4  
WEST, SSgt. Christopher E., Det. 22 26WS  
WESTHEIMER, SSgt. Ronald A., 9WS Det. 16

### NCO Preparatory Course:

BEARDEN, SrA. Willis G. J., AFGWC  
BERRY, SrA. Cornel N.  
BOEVERS, SrA. Monte R., Det. 9 6WS  
FERGUSON, SrA. Kenneth A., AFGWC  
FERUCCI, SrA. Patricia L., Det. 14 5WS  
FITSGERALD, SrA. Barbara A., 3WW  
FRANKS, SrA. John HQ2WW  
FUHR, SrA. Julie, Det. 9 6WS  
GRANHAN, SrA. Gerald D., Det. 15 15WS  
HAISS, SrA. Timothy Det. 4 5WS  
HARTY, SrA. Corby L., Det. 11 2WS  
HOLMQUIST, SrA. Rolf E. II, Det. 15 24WS  
JACKSON, SrA. Duria, Det. 1 31WS  
JOYNER, SrA. Sherry, Det. 1 24WS  
KINNEY, A1C Gary W. Jr., AFGWC  
KRUG, SrA. Laura L., AFGWC  
LAWELL, SrA. Brian L., OL-B Det. 10 7WS  
LINN, SrA. Patrick A., Det. 20 26WS  
MARSHALL, A1C J. D., ETAC  
MCELROY, A1C Stephen P., Det. 11 7 WS  
MENDEZ, SrA. Jaime O., Det. 11 5WS  
MOORE, SrA. Samuel L., Det. 16 9WS  
SCHAFFERS, SrA. Alexis, HQ5WS  
SOLOMON, A1C Benjamin G., AFGWC  
TAYLOR, SrA. Michael R., Det. 18 28WS  
TERRELONGE, SrA. Janette M., Det. 7 5WS  
WALLACE, A1C Matthew AFGWC  
WETZEL, SrA. George R., Det. 7 AFGWC  
WILLIAMS, SrA. Brian J., AFGWC  
WILLOUGHBY, SrA. Shawn D., Det. 2 20WS Levi-  
low  
WOOD, SrA. Andrew D., AFGWC

### Weather Technician Course:

Oct. 20, 1988  
LAW, Sgt. David W., Det. 30 20WS  
MILLER, SSgt. Michelle A., Det. 17 20WS  
NASTAJ, Sgt. Thomas, Det. 7 17WS  
RIPPEE, Sgt. Psyche A., Det. 26 26WS  
TRIBE, SSgt. Dene A., Det. 8 26WS

### Nov. 3, 1988

DUNN, SSgt. Wyan A., Det. 11, 2WS  
EDWARDS, SSgt. Amy S., AFGWC  
HENDRICKS, SSgt. Doraine, AFGWC  
MUMFORD, Patrick D., AFGWC  
SCHUPP, Sgt. Kent R., Det. 17 9WS

### Nov. 18 1988

BOWDEN, SSgt. Timothy, Det. 18 25WS

FRENCH, SSgt. Mitchell S., Det. 4 26WS  
GIPPERICH, Sgt. Brian T., Det. 5 3WS  
KING, Sgt. Eugene J., Det. 3 5WS  
MERRITT, SSgt. Steven E., Det. 21 9WS  
NEE, TSgt. Scot A., Det. 17 9WS  
O'BRIEN, SSgt. Scott M. Det. 2 17WS  
SIPPERLY, SSgt. Bradford, AFGWC  
WETTERBERG, SSgt. Carl, Det. 14 25WS

### Dec. 5 1988

AVERY, Sgt. Terry, Det. 23 26WS  
CHILDRESS, SSgt. Chris C., Det. 14 25WS  
DODWELL, Sgt. Anthony, Det. 2 24WS  
KEENE, SSgt. Roland, Det. 75 6WS  
POOLE, SSgt. Sylvia, AFGWC  
POWELL, Sgt. Patricia, Det. 19WS  
SORIA, SSgt. Joey, Det. 17 9WS  
YEH, SrA. Albert M., Det. 30 2WS

### Basic parachutist course:

BOWMAN, A1C Vincent, Det. 3 5WS  
GILBERT, TSgt. Michael Det. 3 5WS  
WEBBER, SrA. Gerald, Det. 3 5WS

### Scout Reconnaissance Surveillance Course:

ADAMS, A1C Clifford, Det. 3 5 WS  
RIZZO, SrA. Scott, Det. 3 5WS

### Military Freefall Jumpmaster:

KNOWLES, SSgt. Cory, Det. 3 5WS

### Military Freefall:

HINE, TSgt. Charlie, Det. 3 5WS

### Bachelor's Degree to:

EDGINGTON, SSgt. Evonne M., Det. 15 28WS  
KLINE, Sgt. Gary  
LOWE, MSgt. Roger L., Det. 6 3WS

### Associate Degree to:

ALVAREZ, Rafael D.  
APPELBAUGH, Thomas L.  
BLANC, Helene J.  
BOUDREAUX, Tracy J.  
CARPENTER, Richard A.  
CLARKE, James Jr.  
CONATY, Austin L.  
DANECKI, Theodore P.  
DEAL, Daniel M.  
DEATLEY, Russell R.  
DEBOER, Theresa A.  
DOMINGUEZ, Alfredo III  
DUFRANE, Robert F.  
DYKMAN, Dennis L.  
EDGINGTON, Evonne M.  
FARSON, Mathew S.  
FREDERICO, Joseph J.  
FERMIN, Gail L.  
FLUEGGE, Jeffrey A.  
GRAHAM, Russell L.  
HAUSER, Robert G.  
HEAD, Gariand K.  
HEBERLING, Brenda L.  
HEBERT, Mary F.  
HODGE, Carl  
HUDSON, Harvey L.  
JACOBS, Michael L.  
JENKINS, David V.  
JOHNSON, Robert S.  
KIMSEY, Gary W.  
KING, Ronnie G.  
KLEMPIN, Michael B.  
KOMMER, Ronald S. Jr.  
KRANER, Brian J.  
KROGH, Tony C.  
LANTZ, Stephen F.  
LEBOUFF, Joseph W.  
MARTINEZ, Delef M.  
MILLER, Lawrence S.  
MORAN, Daniel A.  
NAU, Eric A.  
NIELSEN, James D.  
PAPIA, James L.  
PARSONS, James C.  
PASCUA, Guy P.  
PECORELLA, Salvatore  
POTTS, Charles S.  
POWERS, William H.  
RIGGSBY, Lewis F.  
ROBISON, John E.  
ROSEMIER, Stephen L.  
RUDOLPH, Dennis J.  
SANCHEZ, John  
SCHAEFFER, Rebecca R.  
SCHMIDT, Rodney J.  
SHWARTZ, Marilyn M.  
SENGER, Joseph T. Jr.  
STEENBURGH, Robert A.  
ST JOHN, Robert C.  
SULLIVAN, John H.  
SUPRENANT, Craig  
THOMAS, William L.  
TRYON, Gary H.  
WOODS, Helene L.  
ZILKENAT, Glenn P.

### Reenlistments:

BORDERS, MSgt. Stephen W., Det. 11 9WS  
BRADSHAW, TSgt. Wayne, Det. 2 3WS  
BRODEUR, MSgt. Raymond A., Det. 25 5WW  
CARTER, MSgt. Gary J., Det. 32 3WS  
CLARK, TSgt. Milton W., Det. 20 26WS  
FAUGHN, SSgt. Gerald A., Det. 12 25WS  
FITZGERALD, MSgt. James P.  
HEATH, MSgt. Jerry B., Det. 9 2WS  
KROUGH, Sgt. Tony C., Det. 11 1WW  
MAVIS, TSgt. Terry, Det. 5 3WS  
RICHARDS, Sgt. Terree T., Det. 7 9WS  
TOCHIK, MSgt. Joseph C., Det. 7 9WS  
VAN VLEET, TSgt. Kim L., Det. 7 24WS

### Retirements:

BALSTERHOLT, LtCol. Werner H., AFGWC  
FLENZ, MSgt. Edward R., Det. 13 2WW  
GILLIGAN, MSgt. George T. Jr., 5WW  
GRAHAM, MSgt. Russell, AFGWC

# Col. Kelly...

(continued from page 1)

quarters, 5th Weather Wing, Langley AFB, Va. There he served as an action officer at Headquarters MAC, Deputy Chief of Staff for Plans, Directorate of Programming and Policy and Director, Special Projects, Headquarters Air Weather Service. In June 1980, he returned to McGuire AFB, N. J., as commander 15th Weather Squadron.

Colonel Kelly graduated from the Industrial College of the Armed Forces, Ft. Lesley J. McNair, Washington, D. C. in 1982. Upon graduation, he was assigned to Headquarters U. S. Air Force Washington D. C., as Deputy Chief Policy and Procedures Group, directorate of Computer Resources, Comptroller of the Air Force and for a year as a deputy director, Plans and Programs, Assistant Chief of

Staff for Information Systems.

In 1984, he transferred to Scott AFB, as vice commander of the 7th Weather Wing. Colonel Kelly returned to Langley as commander of the 5th Weather Wing and staff weather officer to Tactical Air Command in June 1985. He was promoted to colonel June 1, 1981, with a date of rank of May 5, 1981.

The colonel has been awarded both the Master Meteorologist's Badge and the basic Space Badge. His decorations include the Legion of Merit, Bronze Star, Meritorious Service Medal with four oak leaf clusters, Joint Service Comendation Medal and Air Force Commendation Medal with one oak leaf cluster.

He is married to the former Brenda Miller. They have three children: Beth, Kathleen and John.

## Bulletin board:

This space has been designated on the Salutes page for items of interest to other AWS members. These items will be listed on a first come first serve basis and will be subject to editorial review. Items may or may not be listed due to nature of subject and AWS commander approval. Some items to consider for the Bulletin Board are: assignment swaps, locator service; club announcements, etc. For more information contact MSgt. Dave Black at AUTOVON 576-2065.

# DOD explains variable BAQ hike

By MSgt. Mary A. Peterson, USA  
American Forces Information Service

The 1989 Defense Authorization Bill, signed by President Ronald Reagan in late September, included a variable raise in basic allowance for quarters.

While basic pay and subsistence allowance were increased by 4.1 percent, the raise in quarters allowance ranges from slightly more than 4 percent to more than 23 percent, depending upon the pay grade, said a DOD compensation official.

The large variance in rates gives almost everyone 61 percent of housing expenses, based on the national median for housing costs, he said. "The VHA survey from last year was used to help determine the increases," he said.

In fact, analysts were in the midst of processing that survey

when the raise in rates was approved. This caused some delay in determining what the rates were going to be, for which grades and so on.

Most enlisted and officer mid-grades will receive a bigger percentage. An E-6 will receive more than 10 percent if drawing the "without dependents" rate; 6 percent at the "with dependents" rate. An O-4 drawing the "without dependents" rate will gain more than 8 percent; more than 5 percent, "with dependents" rate. Warrant officers will gain up to 7 percent.

Large increases have been targeted for junior officers with prior enlisted service. An O-1 "without dependents" will get a 23 percent increase; 22.3 percent, "with dependents."

Overall, all ranks who draw housing allowance at the "without dependents" rate gained more with the raise than those

with dependents.

The partial rate for service members without dependents was not included in the raise this year and has not been since 1977. The partial rate is a rebate, of sorts, for single service members at sea or living in quarters who do not get the full housing allowance. A change to the partial rate is caused by a reallocation of the basic pay raise.

As an example, he said, if the president directs that 3 percent of a 4 percent raise be apportioned to basic allowance for quarters, the single service member in the dorm would see only a 1 percent raise in his check. Meanwhile, the service member living off post and receiving quarters allowance would see a full 4 percent increase. The partial rate is designed to offset that shortage, the official said. AFPS

## Monthly Basic Allowance for Quarters Rates Effective Jan. 1, 1989

Pay Grade	Without Dependents		With Dependents
	Full Rate	Partial Rate	
O-10	\$ 613.20	\$ 50.70	\$ 754.50
O-9	613.20	50.70	754.50
O-8	613.20	50.70	754.50
O-7	613.20	50.70	754.50
O-6	562.50	39.60	679.80
O-5	541.80	33.00	654.90
O-4	502.20	26.70	577.80
O-3	402.60	22.20	478.20
O-2	319.50	17.70	408.00
O-1	268.80	13.20	364.50
O-3E	434.40	22.20	513.30
O-2E	369.60	17.70	463.20
O-1E	317.70	13.20	428.10
W-4	453.30	25.20	511.20
W-3	380.70	20.70	468.60
W-2	337.80	15.90	430.80
W-1	283.20	13.80	372.60
E-9	372.00	18.60	490.50
E-8	342.00	15.30	451.10
E-7	291.90	12.00	420.30
E-6	264.00	9.90	387.90
E-5	243.60	8.70	348.90
E-4	212.10	8.10	303.60
E-3	208.20	7.80	282.30
E-2	169.20	7.20	268.80
E-1	150.30	6.90	268.80

# A legacy fades past

The Air Weather Service this summer will have only one wing enlisted advisor left before the AWS Wing Senior Enlisted Advisor (SEA) program fades away.

When the SEA at 1st Weather Wing retires, the name, CMSgt. Jerry D. Farley, will suddenly take a more prominent place in the historical annuals of the command — not because he was a SEA, but because he was the last chief to serve in this capacity. Looking back, the command had 37 chiefs — its most senior and experienced en-

listed managers, advising both enlisted and their commanders on personnel matters. By the end of its evolution, 1st WW had four SEAs, 2nd WW had seven, 3rd WW had nine (most), 4th WW two (due to deactivation), and 5th WW, AFGWC and 7th WW each had five.

When Chief Farley retires, CMSgt. John L. Williams who previously served as the SEA for AFGWC, will be left to carry on the SEA tradition, but only at AWS headquarters command level.

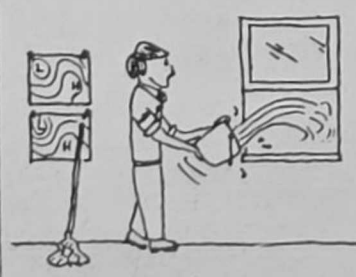


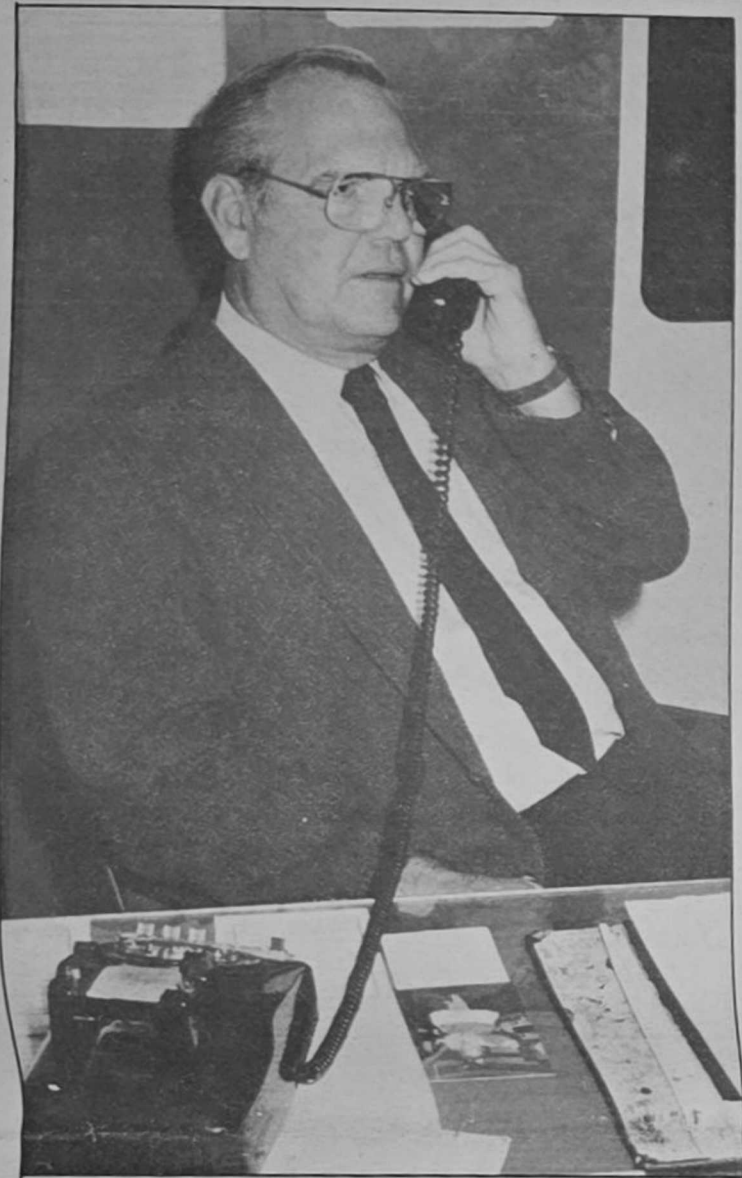
Air Weather Service Senior Enlisted Advisor shadow box. (U. S. Air Force photo)

## On the light side:

By SSgt. Daniel Geis

"On The Light Side" has been provided as a courtesy by one of our fellow weather members, SSgt. Daniel J. Geis, Det. 11, 17 Weather Squadron, McChord AFB, Wash. The Observer will continue to run these cartoons on a space available basis.





Robert Miller taking care of business.

(continued from page 1)  
the Aerospace Sciences Officer in developing effective procedures for collecting weather data for evaluation. He also assumed a large portion of the Aerospace Sciences Officer's duties when she was assigned on temporary duty for six months.

During a headquarters staff assistance visit, his efforts were validated, when the 26th Weather Squadron's Operations Branch was cited for an outstanding job, even with the absence of two key workers. Col. John Taylor, former 3rd Weather Wing commander, commended Mr. Miller for his superior contributions. In a letter, Colonel Taylor stated that Mr. Miller deserved a special recognition...for his "top notch" support for 8th Air Force.

Mr. Miller, a retired Air Weather Service chief master sergeant, provided on-the-spot assistance for 18 subordinate units during visits helping to improve operational readiness. He was also cited for his contributions as an integral member of the 8th Air Force conventional operations working group during exercise MIGHTLY WARRIOR.



**SELF HELP:** Visitors to Air Weather Service headquarters at Scott AFB, Ill., may soon not recognize the place. As part of the AWS Commander's goals for 1989, the headquarters building, built in 1953, will be undergoing a number of changes under self help projects to brighten things up and bring pride to the mission. A myriad of changes have already been made in self help projects including new wallpaper in the entrance lobby as being done in the photo above by one of headquarters main self helper's John C. Evans Sr., AWS Executive. Mr. Evans, who has been assigned to headquarters nearly five years, has wallpapered just about every wall in the 48,413 square-foot building among other major renovations. Volunteer self helpers, Maj. Al Ronn, SMSgt. Sam E. Waters, MSgt. Mike Burroughs and Mr. Evans also wall-papered the conference room in a new renovation project. (U.S. Air Force photo)

## Year end wrapup ...

(Continued from page 9)

MEDS) in all of its units. PACMEDS transmits data 16 times faster than the older, slower system it replaced. Weather satellite image loopers were also installed in a number of 1st Weather Wing units to help forecasters better determine the characteristics and location of tropical cyclones.

Other technology updates included an unveiling of the \$3 million, U. S. Army Europe Automated Weather System (UAWS) after a successful Initial Operational Test and Evaluation from May through June at 2nd Weather Wing, 7th Weather Squadron's Det. 2, Hanau AB, West Germany.

The first Air Weather Service High Frequency Regional

Broadcast (HFRB) station became operational at Elkhorn, Neb., in September. This new system, operated by 3rd Weather Wing, provides a significant improvement to Air Weather Service's capability to support tactical operations and contingencies. HFRB will eventually consist of eight 10-kilowatt high frequency transmit-

ter sites around the world. All eight sites are slated for installation during the next two years and will broadcast teletype and facsimile weather information 24 hours a day, seven days per week. Broadcast range is approximately 2,000 miles using omnidirectional antenna.

During October, the Defense

Meteorological Satellite Program (DMSP) Mark IV-B contract was awarded to Lockheed Corp. the Mark IV-B TACTERMS will greatly increase the amount and quality of satellite-derived weather data available to AWS forecaster. The first operational Mark IV-B TACTERM should be fielded in fiscal year 1992.

HQ AWS/PA  
SCOTT AFB, IL 62225-5008

HQ 1ST WEATHER WING 17  
HICKAM AFB HI 96853

BULK RATE  
POSTAGE & FEES PAID  
USAF  
PERMIT No. G-1

MOM