

In Memory

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WX members translate for Goodwill Games

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AWS OBSERVER:

Telling you about Air Weather Service
and the Air Weather Service about you!

AWS OBSERVER



VOL. 37 NO. 10

HEADQUARTERS AIR WEATHER SERVICE

OCTOBER 1990

AWS plays key role in Operation Desert Shield

When President George Bush called on U.S. soldiers and airmen to deploy to the Middle East as a deterrent force, members of the Military Airlift Command's (MAC) Air Weather Service (AWS), headquartered at Scott AFB, Ill., were some of the first to respond.

Weather, and knowing what it is going to be, is a key factor in any successful military operation. This includes the deployment of troops and equipment to far reaches of the world and support of air and ground operations when they get to their destination.

AWS personnel have been deeply involved in Operation Desert Shield since its beginning, including the early

deployment of weather support elements to the theater. They usually are among the last people to withdraw from the action.

"We had to go right in and establish a weather support system in the theater," said Col. George Frederick Jr., AWS vice commander. "We were able to make use of some of our Saudi friends' information, but we had to establish our own system as quickly as we could. We needed the capability to analyze weather and produce forecasts, something that we are continuing to do for the region."

Sixty-three AWS units are participating in the operation. **Continued on page 12**



TSgt. Thomas W. Halverson, Air Force Global Weather Central, World Operations Forecast Section, analyzes weather satellite data for potential aircraft deployment routes in support of Operation Desert Shield. (Please see page 10 for related photos)

WINGS TAKE A BOW

A Salute to 5th Weather Wing

HISTORY

Fifth Weather Wing (5WW) traces its roots back to July 1, 1937. As part of the initial organization of the Army Air Corps Weather Service (AACWS), three CONUS weather regions were created.

Second Weather Squadron (2WS), headquartered at Langley AFB, Va., was established to support the Second Weather Region. Second Weather Squadron units provided observing and forecasting services throughout the eastern one-third of the United States.

With the growth of U.S. military forces during World War II, the AACWS subdivided the original three weather regions. The New England states, NY, NJ, WV, VA, and the District of Columbia became the 25th Weather Region. Headquartered at Lynbrook, Long Island, NY, 25WS provided the weather support across the region.

Numerous changes occurred in the turbulent years following World War II. In August 1951, 25WS became the 2102nd Weather Group and moved back to Langley AFB. Less than a year later, in April 1952, the squadron was redesignated the 2nd Weather Group.

Concurrent with the redesignation the group's mission became a functional one: provide support to the Tactical Air Command and the Continental Army Command. The unit assumed its current name, Fifth Weather Wing, on Oct. 8, 1965. Currently, the wing has three direct reporting detachments, two operating locations, and four subordinate squadrons. The squadrons are responsible for 36 detachments and eight operating locations. Interestingly, one of 5WW's squadrons is a wing forerunner — 25 WS.

Fifth Weather Wing (5WW), headquartered at Langley AFB, Va., is collocated with its major customer: Tactical Air Command (TAC). Col. William Koene-mann, 5WW commander, serves as the Staff Weather Officer (SWO) to the TAC commander.

He is also responsible for staff and operational support to the myriad of other customers described in our mission statement.

To fulfill this mission, 5WW has over 900 officers and enlisted people assigned to its various units. More than one-half (53 percent) support TAC through 3WS and 25WS.

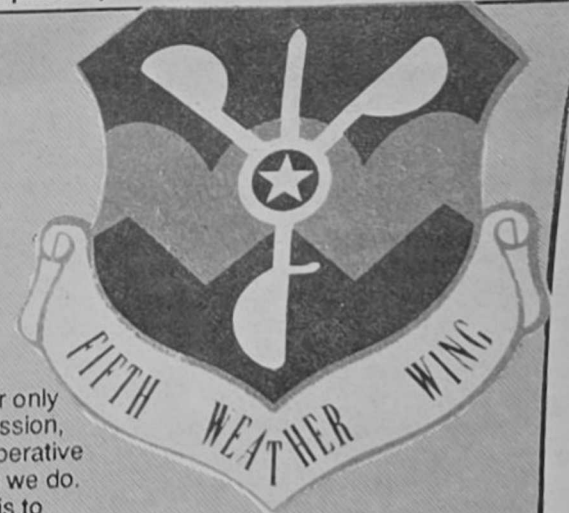
Army support uses 33 percent of our resources and is handled through 5WS, the largest squadron in AWS.

First WS, located at MacDill AFB, Fla., supports the U.S. Special Operations Command, and U.S. Central Command. Although only 7 percent of 5WW resources

are devoted to 1WS, they are involved in many exercises and form the nucleus of a deployed weather support force.

TAC accounts for only half of the 5WW mission, but tactical is the operative word for everything we do. The 5WW mission is to ensure that our people are trained and ready to deploy to the field in support of any contingency.

The key to tactical prowess is training, and training is something 5WW units do a lot. For the 12-month period ending in April 1990, 5WW people spent nearly 12,000 man-days in the field. And that figure doesn't include at-home mobility training and operational readiness inspections. This high degree of training has proven invaluable in our responses to operations Just Cause and Desert Shield.



Since the U.S. response to Saddam Hussein's aggression falls in the CENTCOM area of responsibility, 5WW is the lead wing for weather support in the theater.

As soon as planning was initiated, the 5WW Crisis Action Team (CAT) was convened. Twenty-four hours-a-day, seven days a week, the team has been in session ever since. Their mission is to coordinate all levels of in-theater weather support to the contingency.

The Operations Plans Branch (5WW/DOX) is re-

Continued on page 5

Command Line



Brig. Gen. John J. Kelly Jr.
AWS Commander

In memory

On the 29th of August, 17 men and women of our Air Force answered the call of their country — a call to arms to help maintain peace in another strife-torn, and troubled corner of the world — and climbed aboard a C-5A aircraft to fly to the Persian Gulf region. Moments later, 13 of those men, including three members of the Air Weather Service family, had answered a higher call. MSgt. Samuel (Mel) Gardner, Jr. (Hahn AB, Germany) — a second-generation Air Weather Service member, SSgt. Marc H. Cleyman (Ramstein AB, Germany), and SSgt. Rande J. Hulec (Hahn AB, Germany) were enroute to join their comrades in the Desert Shield weather support force.

These three professional noncommissioned officers typify the men and women who make AWS and the Air Force great. People who put service above self and family — people who, when the need arises, stand up, step forward, and say: "Here I am, send me." Mel

Gardner, Marc Cleyman, and Rande Hulec stood up and, in doing so, made the ultimate sacrifice.

We have extended condolences to the family members of our three comrades and, to the extent possible by words, let their spouses, children, and parents know we share in their deep sense of loss. It is never easy to understand how God in his wisdom chooses to call some of his children home, but I hope throughout AWS those continuing the work these three airmen were engaged in will find solace in the unquestionable righteousness of that work. Freedom must be defended every day and aggression must be countered, else we will lose our freedom.

We must not forget the sacrifices made by Mel Gardner, Marc Cleyman, and Rande Hulec. Theirs was a presence, a contribution, and a dedication that will be remembered. They will be missed.

Chief's corner

It's in our own best interest

Recently, I had the opportunity to discuss Fit Eagle, MAC's health promotion program, with MAC command surgeon's Chief of Environmental Health. I was impressed by this program's scope, and even more so by its priority. In fact, MAC was awarded "Best 1990 Major Command Health Promotion Program" recognition for their efforts to ensure our wellness continues full bore.

I think we're all aware of the fact that a healthy lifestyle plays a lifelong part of readiness. Each Air Force major command (MAJCOM) has implemented a program which, like Fit Eagle, is designed to achieve this goal. The names of these programs may differ, but their results are the same — if we participate.

I've been a member of MAC my entire career and, like many of you, a tenant on other than a MAC base much of that time. In fact, this is my first assignment "on" a MAC base. My primary exposure, therefore, has been to the programs sponsored by those other MAJCOMs. But they, like Fit Eagle, are also directed at the six major areas of the Air Force's health promotion program: nutrition, smoking cessation, fitness, stress management, drug and alcohol abuse, and early detection of hypertension. Therefore, no matter which host base you are assigned to, to include Army posts, a support program is in place. You need only

make use of it.

Our commissaries and dining facilities are promoting healthy food items. Nutrition information is regularly provided through multimedia sources, and specific counseling is available for the asking. Health screenings, cholesterol, hypertension, and aerobic testing, are routinely done at most locations. Our fitness centers are becoming state-of-the-art — the Army has some of the best I've seen. Smoking cessation support groups and drug and alcohol abuse programs are readily available. And every base or post has a health promotion coordinator assigned to help ensure we can make the most of these services and programs.

From my viewpoint, I think we're doing pretty well. Almost everyone seems to know their cholesterol count. I see more and more folks I know at the gym, and fewer of my friends' lives seem to be going up in smoke. Yet, there is always room for improvement.

Today's world events and changing Air Force underscore our needs for wellness. We must be ready, and able to best meet the physical and emotional demands of short notice, worldwide deployment, as well as the changes necessitated in down-sizing our force. Change and the unknown, I'm told, are primary sources of stress for most of us. Wellness ensures that we can deal with it.

For those of you enjoying a truly healthy lifestyle, congratulations and keep at it. For those of us not yet practicing all that we know we should be, we need to work at it a little harder — it truly is in our best interest.



CMSgt. Danny W. Milner
Senior Enlisted Advisor

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

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AWS remembers three who sacrificed

Air Weather Service (AWS) remembered three of its finest, who made the ultimate sacrifice for their country, in a service at Scott AFB, Ill., Sept. 6, 1990.

Members of AWS and the Scott community remembered MSgt. Samuel M. Gardner, and SSgt. Marc H. Cleyman, Det. 14, 31st Weather Squadron, Hahn AB, Germany; and SSgt. Rande J. Hulec, Det. 2, 31st Weather Squadron, Ramstein AB, Germany. The three died, along with 10 others, in a C-5 Galaxy crash Aug. 29, 1990, at Ramstein. They were deploying to Operation Desert Shield.

"On the 29th of August, seventeen men and women of the U.S. Air Force answered a call of their country — answered a call to arms to help maintain peace in yet another turbulent, strife-torn corner of the world and climbed aboard a C-5 aircraft to fly to Saudi Arabia to support airlift operations at a bare base and to face dangers unknown. Moments later, thirteen of those men and women answered a higher call," said Brig. Gen. John J. Kelly Jr., commander of AWS, at the memorial service.

"These three young men came from diverse backgrounds and different sec-

tions of the country — by every appearance were typical Americans, but they shared two traits that set them apart and made them special. One, they willingly engaged in an uncommon job — working daily to deter war and preserve peace. Second, like the prophets of old when the call came, they stepped forward and said, Here I am, send me."

"It is with honor that we will remember Mel Gardner, Marc Cleyman, and Rande Hulec. Theirs was a presence, a contribution, and a dedication that will be missed." (MAC News Service)

WX school revises observer course

The Weather Observer Course at Chanute AFB, Ill., was revised recently.

"The new course will benefit all branches of the service," said Gunnery Sgt. Dennis Jones, course superintendent.

The consolidated portions of Blocks I and II were reconfigured. In Block I where there were previously six units of instruction, two were combined into one.

Temperature, wind, and pressure were integrated with additive data to form one large unit following Air Training Command directives.



SSgt. Richard Korich instructs a Skew-T analysis class.

In Block II a 7-hour unit was added to teach basic Skew-T analysis. Previously, this material was taught only to Navy and Marine students in the unique portions of their course.

Course reconstruction was not limited to Blocks I and II. In Block III Air Force unique instruction on the FPS-77 radar was deleted with the impending addition of the WSR-88D (Doppler radar).

MAC makes history during Desert Shield

By Gen. H.T. Johnson
Military Airlift Command
Commander-in-Chief

I am very proud of the role America is playing in resolving the crisis in the Persian Gulf, and I am particularly proud of the support that the men and women of Military Airlift Command are providing Operation Desert Shield.

Since Saudi Arabia's request for assistance in defending their nation and President George Bush's decision to respond, many of you have been putting in some incredibly long and demanding days.

You are presently moving as much cargo and personnel as was flown to Southeast Asia during the peak of the Vietnam War and doing it with an airlift force only half the size. You are also moving three times as much tonnage to the Middle East and at twice the pace of Operation

Nickel Grass in 1973.

I want to ensure that each and every member of this command understands the important and historic role you are playing — it is much more than just moving personnel and equipment.

I say important and historic because you are part of an international response to an unprovoked and brutal invasion by a ruthless tyrant.

We have learned from history that acquiescence is interpreted as weakness and weakness encourages continued aggression. In the 1930's the nations of the world acquiesced to a military dictator whose tactics were intimidation, invasion and annexation. In the late 30's, the nations of the world who were militarily capable of stopping this tyrant, chose instead the road to appeasement — a road that led the world into the most destructive war of all

time.

The world once again faces a ruthless military dictator — a tyrant who prefers tanks to negotiations, who eliminates dissidents with poison gas, and remains in power in his own country only through fear and assassination.

Today's threat is similar to that of 1939, but the nations of the world are not making the same mistake. We have learned from history, and an unprecedented alliance of nations has responded by drawing a line in the desert sand.

Every man and woman in the Military Airlift Command — active duty, Guard, Reserve and civilian — should be proud of the important and historic role you're playing. You are moving an incredible amount of personnel and equipment to the Persian Gulf, but more importantly, you are making this a safer world.

hot off the wire ...

Tee-Time!—Golfers from the Weather Training Division helped the 3350th Technical Training Group beat the 3370th Technical Training Group by five shots for the Chanute AFB, Ill., base championship recently. The best scoring pair was TSgt. Dave Becker and Sgt. Jeff Koch with a 66, while Dick Albrecht and Jim Palumbo of the Aerospace Propulsion Training Division shot a 70. Other weather training division players were MSgt. Dennis Svitak and MSgt. Bruce Bronsema.

Kudos!—We told you earlier this year that the Air Weather Service saluted Kenneth Walters of the U.S. Air Force Environmental Technical Applications Center as the 1990 Civilian of the Year. Kudos now go to him again for his recent selection for the Air Force Association's (AFA) Civilian Program Manager of the Year Award. Mr. Walters was recognized with the prestigious award during an official AFA ceremony attended by top scientists, engineers and other dignitaries from nationwide. Congratulations from HQ AWS.

Faxagram—A free facsimile greeting service is available for family and friends of Operation Desert Shield, courtesy of AT&T. In operation since Sept. 21, at no cost to the government, Desert Fax is a one-way service from the continental United States to the Middle East. Family and friend of those deployed can process a Desert Fax message of up to three-fourths of one page at one of AT&T's 400 phone centers. The Desert Fax message is then sent electronically from one of the phone centers to the Middle East. It is then given to the APO or FPO for delivery. Anyone interested in the free service can call directory assistance to find the nearest AT&T phone center.

Danger Pay—Defense Secretary Dick Cheney approved imminent danger pay for Operation Desert Shield, Sept. 19, putting an extra \$110 a month in the paychecks of qualified officers and enlisted people deployed to the Middle East. Eligible for the special pay are deployed service members on the Arabian Peninsula and in the Persian Gulf, Red Sea, Gulf of Oman, Gulf of Aden and the Northern Arabian Sea. The defense secretary has the authority to grant the pay to the armed forces serving in specified high risk areas for special pay.



Members from Det. 30, Vandenberg AFB, Calif., present a \$326 check for Russell Peterson, an 11-year-old cancer victim. From left to right: Lt. Col. James Kaufman, Col. William Anders, SSgt. Davis Law, Capt. Ken Carey and A1C Scott Butler.

6595th Test and Evaluation Group member. The boy is currently at the University of California Medical Center recovering from his third surgery to remove a cancerous brain tumor.

Love—

Det. 30, 2nd Weather Squadron members held a car wash recently raising \$326 to benefit Russell Peterson, an 11-year-old cancer victim from Vandenberg AFB, Calif. Russell is the son of Capt. Robert Peterson,

Weather members translate for Goodwill Games

By Ann. Kelly Thompson
Fairchild AFB, Wash.

Two Air Weather Service people from shared their knowledge and time by volunteering as interpreters during the Goodwill Games in Spokane, recently.

A1C Israel Cruz and A1C Dimitri Kesi, both from Det. 3, 9th Weather Squadron, Fairchild AFB, Wash., interpreted for Spanish and Russian-speaking dignitaries, respectively.

Their qualifications were self-explanatory and they both took the same avenue to volunteer. Airman Cruz was born in San Juan, Puerto Rico, and Spanish is his first language, so his ability was not an issue. Airman Kesi was born in Russia. "I read about the games needing volunteers so I called and offered my time," said Airman Cruz. "I thought it was a great opportunity and I wanted to help make better

relations among countries."

Both airmen were put "on call." Whenever a team or dignitary arrived they would meet them with Goodwill Games officials and "break the language barriers."

The visiting people mixed fun with serious game-related activities, the airmen said, getting out to see the city and meeting the public.

"I interpreted for the Cuban volleyball team head coach and some officials," said Airman Cruz. "We were at the opening ceremonies and I was sitting in the audience with the volleyball team head coach and some players keeping them filled in on what the people on stage were saying."

"The Cuban delegate was in plain clothes. He decided he didn't want to stick around and listen to speeches. He hid his identification card and took off on a walk through Riverfront Park."

"By the end of the speeches he was standing on a hill

among a hundred or so Americans, who hadn't recognized him, waving at us. He was just soaking up the sun or something. He was loving every minute of it!" Airman Cruz explained.

Russian was Airman Kesi's first language. "It was my chance to speak the language again and help a bunch of people out."

He interpreted for the Russian volleyball team, referees and representatives of the team at the opening ceremonies. He also volunteered with the Rotary Club and interpreted for a Russian dance team. "All the Russian visitors enjoyed themselves," said Airman Kesi. "The dancers had host families from the club and I went with Bill Davis, who organized the demonstration, and his family when they showed a dancer the stores, landmarks, parks and even a rodeo," said Airman Kesi.

Visitors from both communist countries seemed to be



A1C Dimitri Kesi talks with a Russian Choreographer (center) and ex-mayor of Spokane Vicki McNeal. (U.S. Air Force photos)

most impressed with Americans' impulsive nature and mannerisms, Airman Cruz said.

"They like the way people acted the most. We are more impulsive and do things spur of the moment," the airman added.

"In their countries things are slower and more thought out. They were impressed

with the freedom we have to walk around wherever we choose. All the Americans they came across were very hospitable, which made them feel welcome," explained Airman Cruz.

Both airmen had a positive reaction to this new experience. Airman Kesi summed it up: "I'd do it again in a heartbeat!"

Automated Weather Distribution System training gets rave reviews



Bill Bergen explains how to make adjustments to an AWDS chart. AWS students seated from left are 1st Lt. Phyllis Kampmeyer, Capt. Terry Given, Maj. Dave Crevier, SrA. Phil Turner, SSgt. Dan Radebaugh. Standing left to right: Jimmy Scott, SSgt. Dave Lowenthal and SMSgt. Mike Jimenez.

"Impressive!" "A revolutionary, not evolutionary, step in AWS!" "I never thought I'd see it in my career; I'm glad I did." These are just a few of the positive comments provided by the nine Air Weather Service personnel who attended the first of five formal Automated Weather Distribution System (AWDS) training classes conducted by CONTEL representatives at the CONTEL facility in Westlake Village, Calif., recently.

Attending this first training class were: Maj. Dave Crevier, AWS; Capt. Terry Given, 5WW; 1st Lt. Phyllis Kampmeyer, 26WS; SMSgt. Mike Jimenez, 7WW; MSgt. Jerry Spencer, 5WS; SSgt.

Dave Lowenthal, Det. 7, 3WS; and SSgts. Dan Radebaugh and Jimmy Scott and SrA Phil Turner, Det. 10, 15WS.

CONTEL's Bill Bergen and Wendy Bartlett conducted the 10-day operations course.

Working with fully-operational AWDS terminals, the students first received instruction on the system components. Next, they used and manipulated the system. Having LAWCs and Skew-Ts plotted in seconds and learning how to create forecast soundings, produce horizontal and vertical composite charts, and show meteorological features' movements through loop sequencing with ease impressed all the stu-

dents.

Finally, using real data with canned scenarios, the students produced TAFs, warnings and advisories, aircrew briefings, and other operational support using AWDS.

In addition, the students were able to experiment with AWDS products and share techniques and ideas during programmed pauses in the formal training outline. Said one student, "I was able to quickly generate some really useful forecasting tools in a matter of seconds."

"AWDS will force me to relearn much of the Chanute training I've forgotten, but I don't mind at all because I'll be a much better forecaster."

Survivor Benefit plan reformulated for lower premiums

By MSgt. Mary A. Peterson
American Forces Information Service

Recent changes make the Survivor Benefit Plan less expensive for most retirees and provide for additional coverage when the beneficiary receives Social Security.

The formula for computing monthly premiums changed in April to a flat 6.5 percent of retirees' monthly pay. This change,

said Tom Tower of DoD's Compensation Policy Office, should save money for most participants. "The old cost formula may be cheaper for those with low coverage," he said.

The Survivor Benefit Plan is an annuity program designed to provide the family up to 55 percent of monthly military retired pay after the retiree's death. Generally, the surviving spouse is a lifetime beneficiary until a remarriage. Children can be benefici-

aries provided they are under age 23, unmarried and attending school.

The annuity falls when the surviving spouse reaches age 62. "For those spouses, the annuity could be reduced to no less than 35 percent of the retired pay on which SBP was selected," Tower said. "The spouse is expected to be eligible for Social Security payments at this time." With the recent change, retirees will be able to fill the gap by purchasing

a supplemental plan expected to be available in fiscal 1992, he said.

Tower expects premiums for supplemental coverage to be more costly than the basic plan premiums. "DoD subsidizes 40 percent of the basic survivor's benefit plan costs, but current law provides no subsidy for the supplemental coverage," he said. DoD is still working out the monthly premiums.

The decision to enroll in the

Survivor Benefit Plan must be made at retirement and is irrevocable. There are plans, however, to have an open season during fiscal 1992 for retirees to enroll.

"There have been only two open seasons in the program's 18-year existence," Tower said. This open season—which Tower said may be the last—will allow retirees to also increase their coverage. "Service finance centers will notify retirees of their options in advance of the open season."

MISSION

Provide or arrange for staff and operational meteorological and aerospace environmental support to: Tactical Air Command; U.S. Special Operations Command; U.S. Central Command; U.S. Southern Command; U.S. Army Forces Command; U.S. Army Special Operations Command; 1st AF/CONUS NORAD Region; U.S. Atlantic Command Army Forces; U.S. Atlantic Command Air Forces; U.S. Central Command Air Forces; U.S. Southern Command Air Forces, and the Military District of Washington.

5th Weather Wing

A word from the commander

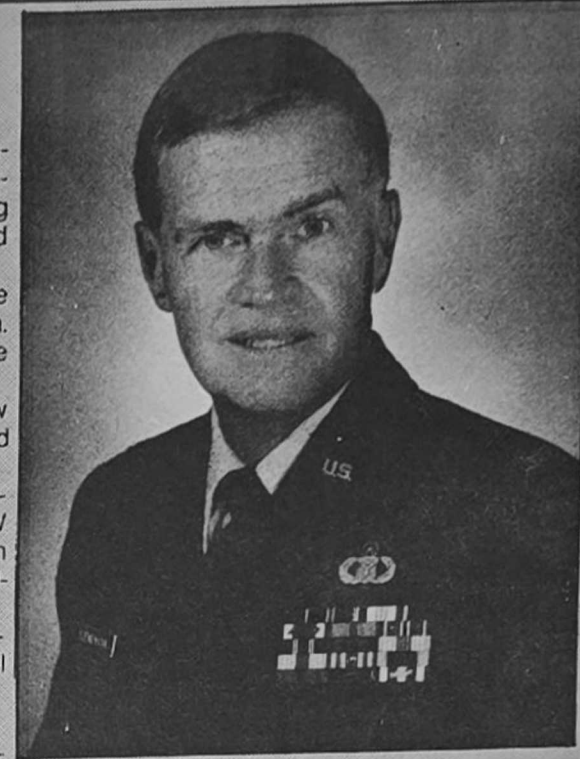
Operation Desert Shield has set into motion the largest military deployment since the Vietnam conflict. Since the Middle East falls under the USCENTCOM area of responsibility, the 5th Weather Wing (5WW) is the lead wing for getting the weather support organized and operational.

AWS personnel from 2WW, 3WW, 4WW, 5WW, and 7WW have deployed and are members of the in-country weather support team. HQ AWS and all wings are supporting the officer in charge of the weather support force.

Many of the people you'll see as you review this feature are now deployed and providing weather support to their customers in the sand and heat of Saudi Arabia.

Others are still at home and accomplishing the mission with reduced manning. But that's one of the strong points of the 5WW people—they adapt to the situation as it presents itself, and do an outstanding job while making the best of whatever resources are available.

The collective efforts among all AWS wings are producing excellent results. Many challenges lie ahead, but, as a team, we will excel at every pursuit.



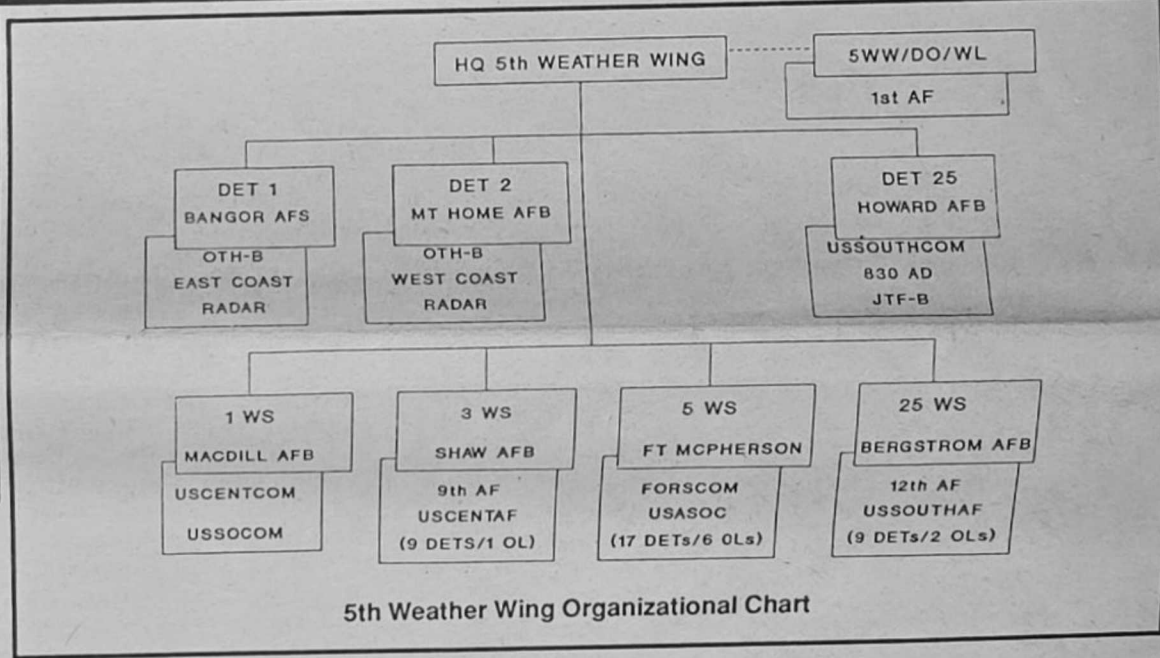
Col. William S. Koenemann

WILLIAM S. KOENEMANN, Colonel, USAF
Commander, 5th Weather Wing

**Ready,
Willing,
and
Able**



Col. William S. Koenemann, 5 WW commander, and SMSgt. Barry Rex discuss meteorological operations with SSgt. Gerald Mace of the 203rd Weather Flight (Pennsylvania ANG) during a recent exercise.



5th Weather Wing Organizational Chart

HQ 5th Weather Wing

Continued from page 1
responsible for organizing the support plan. The planners review appropriate plans and decide how to respond to the situation as it changes day by day.

Although the plans specify who should deploy where, often those people are not able to deploy. Assistance in determining who's available to fill slots is provided by 5WW/DP headed by MSgt. Sarah Dopson.

The Current Operations and Readiness Branch (5WW/DOO) have their place on the team as well. The Operations Officers/NCOs research and solve manpower, equipment, and supply problems inherent in the massive deployment of troops to Southwest Asia. Communications in theater

always pose a challenge. The people of our Communications Branch (5WW/DOK) are always busy solving Goldwing/QRCT problems and coordinating other in-theater communications issues.

Operations Services (5WW/DOS) officers have been busy helping mission planners study the capabilities of our high tech weapons systems in the Arabian desert. By running the Mark-III Electro Optic Tactical Decision Aid with generic targets and climatological data, they aid the mission planners in determining what weapons systems are most likely to succeed.

Although not members of the Crisis Action Team (CAT), Aerospace Sciences (5WW/DN) personnel under Lt. Col. Ken Peterson also play an important role in contingency

support.

Scientific Services Officers (5WW/DNS) are responsible for any technical questions that arise. Heat stress in chemical warfare gear, and

Since the U.S. response to Saddam Hussein's aggression falls in the CENTCOM AOR, 5WW is the lead wing for weather support in the theater.

the Air Force Toxic Chemical Dispersion Model, are a few of the subjects they've worked on. Climatology plays an important role in planning as well. Personnel in the Climatology Branch (5WW/DNC) provide this information

as needed. Operational and briefing support is provided by the TAC Weather Support Unit (5WW/WL) under Lt. Col. James Moore. WSU personnel brief the TAC battles-taff, and provide mission control forecasts for aircraft deployments from the CONUS to overseas locations and back.

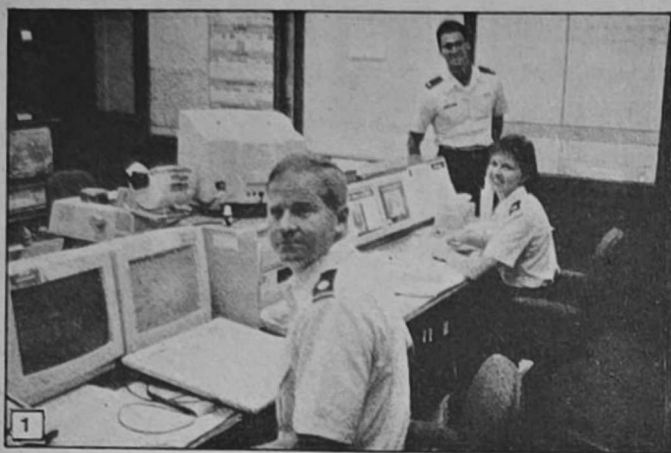
The Information Management Branch (5WW/IM) under SMSgt. Loron Anthony provides administrative support to the CAT.

Even though Desert Shield support is currently our primary mission, some of the branches don't provide routine support to USCENTCOM units. Their mission remains unchanged.

The 1st Air Force Support Branch under Lt. Col. James Henson is responsible for providing routine staff support to 1st Air Force. The 1AF

SWO is Col. Kenneth Freeman, 5WW/DO.

The Air National Guard Advisory Branch (5WW/DOR) is unique in AWS. Branch personnel serve as the active duty advisory element to the Air National Guard (ANG) weather program. They direct and evaluate tactical and technical training for the wartime readiness of 600 members in 39 ANG units located in 25 states. These units provide wartime support to 11 Army divisions, four special forces groups, a corps, three continental armies, and 19 separate brigades and armored cavalry regiments. DOR personnel advise ANG weather flights on current doctrine, policy, and procedures for meteorological support to Army units. They also guide the preparation and execution of unit training programs.



5th Weather Wing

1. Lt. Col. James Moore, 1st Lt. Rob Luca and Capt. Donna Perez take a break from preparing the TAC commander's daily weather brief. 2. Capt. Chuck Davenport (left) takes the top, while MSgt. Bonnie Bates and Col. William Koenemann, takes the lower half, during a 5th Weather Wing car wash. 3. SSgt. Derek Brown, 1st Lt. Rob Luca and SSgt. Steve Trehane, hold a MET discussion at the TAC WSU. 4. Col. William Koenemann cites the reenlistment oath to TSgt. Steve Green and SSgt. Carl Campbell immediately prior to deployment for Operation Desert Shield.

Dets. 1, 2, 25

Dets. 1 and 2, 5WW, are the two AWS units that support Over-the-Horizon Backscatter (OTH-B) radar sites. The units mission is



IM team, Sgt. Tony L. Reese and Amn. Chadwick L. Busdeker, update computer assignment log.



TSgt. Richard Ellison of Det. 2, 5 WW, Mountain Home AFB, Idaho, an environmental assessment technician, checks the clutter level peak data on the operational performance monitoring geographic display using the OTH-B multitude display console.

to constantly monitor the ionosphere and provide inputs necessary to optimize radar performance. This is the unique challenge of the environmental assessment operators (EAOs) of Dets 1 and 2.

Det. 1, 5WW, Bangor ANGB, Maine, is a 19-person detachment providing support to the 776th Radar Squadron which manages the East monitors air traffic over 4.6 million square miles of the Atlantic Ocean from Iceland to the Northern coast of South America. The original purpose of the OTH-B radars was to provide command authorities with early warning of hostile airborne threats to the North American continent. With the thaw in relations between the US and the USSR, however, the ECRS has become a key weapon in the war against drugs. It is used to routinely monitor air traffic in the Caribbean as far west as eastern Cuba, and as far south as northern South America.

Det. 1, 5WW supports the West coast OTH-B radar system. Located at Mountain Home AFB, Idaho, the unit is made up of both the US Air Force and Canadian Armed Forces.

The 777th Radar Squadron operates the WCRS which is rapidly becoming fully operational. Its area of responsibility stretches from Alaska all the way down to Baja, California, encompassing over six million square miles.

The men and women of Dets 1 and 2 perform a unique job in the world of 5WW environmental support. In support of the air defense of our country, they keep an eye on the high ground — the Earth's ionosphere.

Det. 25

Det. 25, 5WW, provides support to the U.S. Southern Command (USSOUTHCOM) and its air, land, and combined operations throughout Central and South America.

Det. 25 is comprised of 38 personnel at four geographically separated work centers. The base weather station (BWS), located on Howard AFB, is responsible for airfield weather support, as well as resource protection for the military communities on the Atlantic and Pacific coasts of Panama.

The Cadre Weather Team (CWT), located on Fort Clayton, supports the U.S. Army South Headquarters and Joint Task Force-Panama while in garrison and deploys throughout the theater in support of 193rd Separate Infantry Brigade (L) tactical operations.

The USSOUTHCOM Forecast Unit (SFU), located in a mountain on Quarry Heights, provides direct forecast support to the Commander-in-Chief, USSOUTH-



Cadre Weather Team members, (from left) Capt. Charles H. Pappas, A1C Luke L. Wilson, SrA. David L. Stricklan, and SSgt. Paul A. Armitage, display a TMG-34 and TMQ-36.

COM and his staff. The SFU also is tasked as the Tactical Forecast Unit for all exercises and contingencies within the theater. Customers include the Joint Reconnaissance Center, counter-narcotics officials and deployed weather teams.

Det. 25 continued supporting counter-narcotics missions and

joint nation exercises throughout the theater despite the unrest in Panama. The Panamanian Election Crisis, Coup Attempt, and Operations Just Cause and Promote Liberty are just a few of the challenges the unit successfully met on the way to winning the 1989 Williams Award for quality mission support in a demanding environment.

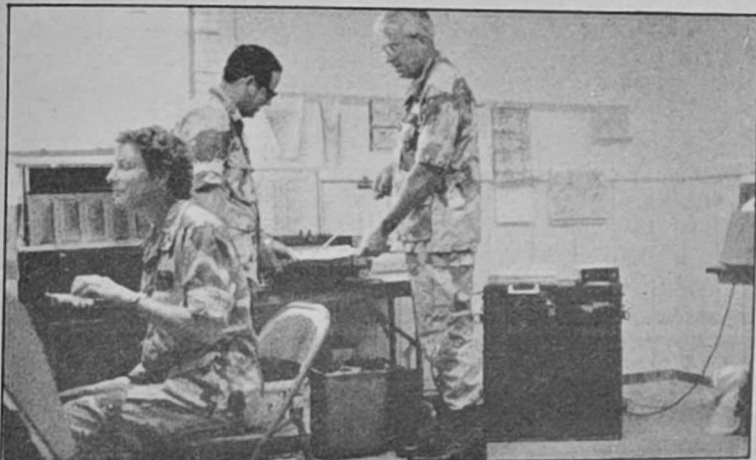


SSgt. Milinka B. Watson, weather forecaster, explains weather charts to third and fourth grade students from Howard Youth Center.

1st Weather Squadron



SSgt. Joe Stephens, administration specialist, posts changes to squadron publications.



Maj. Nancy Holtgard, (from left) Maj. Joseph Brod and Col. James Goldey man the Central Command Weather Division during INTERNAL LOOK 90.

First Weather Squadron, located at MacDill AFB, Fla., has the responsibility of providing weather support to the U.S. Central Command (USCENTCOM), U.S. Special Operations Command (USSOCOM), and by extension, Special Operations Command Central (SOCCENT).

It is the primary AWS squadron supporting joint tactical operations, with divisions in each of the two unified commands, as well as a division in SOCCENT, which plan and coordinate the deployment of weather support elements during joint readiness exercises and contingency operations. Interestingly, 1WS is the only squadron in AWS that has no assigned detachments.

Supporting the three commands with worldwide missions, the personnel of 1WS must be prepared to respond at a moment's notice. Each military member is trained for worldwide mobility and rapid deployment. Possible deployment requirements include traveling to the jungles of Honduras to collect upper air data; providing centralized support for employment of land, sea, and air forces in the sands of Southwest Asia; supporting a wide range of special operations anywhere in the world; or providing jump altitude wind information and surface observations to airborne troopers.

With the deployment of the

Joint Communications Support Element (also at MacDill) and the Mark IV contingency van garrisoned at MacDill, 1WS becomes the nucleus of a deployed weather support element on joint exercises such as Bright Star, Gallant Eagle, Gallant Knight, and Internal Look.

First WS has had a long and eventful history extending from its initial activation 53 years ago at March Field on July 1, 1937 to its most recent activation at MacDill AFB on Jan. 8, 1966.

Its original mission in 1937 was to provide weather support to four Army Air Fields in California and Washington.

The first commander was 1st Lt. Harold H. Basset, who later became a major general and was twice commander of AWS.

At the height of World War II,



SSgt. Taylor climbs aboard an F-16 during an orientation ride.

1WS had 285 officers and 1030 enlisted assigned manning 69 detachments.

In 1966, the squadron mission was changed to support the U.S. Strike Command, which later became the U.S. Readiness Command (USREDCOM). In 1983, the Rapid Deployment Joint Task Force became USCENTCOM, and in 1987, with the disestablishment of USREDCOM, USSOCOM transferred its headquarters from Washington D.C. to MacDill.

Supporting the three commands makes the 1WS truly unique. With no units to supervise, the 14 members devote most of their time to the USSOCOM, USCENTCOM, and SOCCENT missions. 1WS is always ready to deploy and prepared to support any mission, anytime, anywhere.

3rd Weather Squadron

What weather squadron supports TAC fighter wings throughout the southern tier states, and whose origin is tied to Walt Disney? If you guessed 3rd Weather Squadron (3WS) at Shaw AFB, S.C., your right!

In its 53 years of service, 3WS's history has been interesting and varied. Activated on July 1, 1937, at Barksdale Field, La., 3WS was given the immense responsibility of overseeing the fledgling Army weather units throughout the south and midwest.

These units encompassed a total of 17 states with a variety of missions and weather regimes from Florida to Arizona and from the Gulf of Mexico to Canada. This period of military weather support was marked by only a few operational units and little growth in weather service.

This changed drastically with the onset of WWII. As the war in Europe and the Pacific escalated, so did the need for weather support.

From 1941-1943, 3WS grew rapidly and by Oct. 1, 1943, had 99 weather units under its direct control.

Third Weather Squadron even experimented with operating all-WAC observing sections in three weather stations. The all WAC sections proved very

worthy but were soon replaced with mixed men and women observing sections. But as the end of the war neared, so did the need for 3WS.

This first period in the 3WS history ended on Sept. 7, 1944, as the unit was deactivated and replaced by the 70th Army Air Forces Base. But this deactivation was only temporary, as the Cold War heated up in Korea. On June 25, 1950, communist forces from North Korea crossed the 38th parallel and invaded South Korea.

With the arrival of U.S. forces in early July 1950, it was obvious weather support was once again needed, so on Sept. 5, 1951, 3WS was brought out of retirement.

In addition, 3WS for the first time, came under direct control of 5th Weather Wing. Throughout the years following the Korean War, 3WS played a significant role in military operations from the Cuban Missile Crisis to the expanding war in Vietnam. Again, as our forces were brought home, and the war neared its end, the second stage of 3WS came to a close on June 30, 1972.

This deactivation was again short-lived. On Jan. 1, 1975, 3WS once again was brought out of retirement as part of 5th

Weather Wing.

Today, 3WS's nine detachments and one operating location with over 170 personnel from North Carolina to Louisiana support eight Tactical Fighter Wings, one Tactical Training Wing, one Air Refueling Wing, one Tactical Air Control Wing, and the 169th Tactical Fighter Group of the South Carolina Air National Guard.

In addition, the 3WS Commander, Lt. Col. Gerald F. Riley Jr., serves as staff weather officer for the 9th Air Force commander, providing operational and staff weather support to the United States Central Command Air Forces Component with responsibility for operations in Southwest Asia.

During the past year, 3WS and its detachments provided support for over 30 TAC CORONET overseas deployments, and numerous personnel to support major JCS-directed exercises such as Bright Star, Iron Cobra, and Shadow Hawk.

The past year provided other challenges for 3WS and its detachments. On the night of Sept. 21, 1989, Hurricane Hugo, one of the most powerful hurricanes to hit the East Coast this century, came ashore at Charleston, S.C.

All but one of the detachments were directly involved with either evacuating aircraft or supporting MAC's Caribbean evacuation and relief efforts.

If that was not enough, winter came to the south with a vengeance in December. Several bases reported record lows and record snowfalls. Myrtle Beach recorded 14 inches of snow in two days. December also brought the realization that what we train for can happen in a moment's notice. Two of 3WS's units were directly involved in exercise Just Cause. Det. 2, 3WS at Seymour Johnson AFB, N.C., provided support to the 68 AREFW.

The 68th alone flew over 380 hours in 31 missions. In addition, Det. 32, 3WS at MacDill AFB, Fla., provided briefings for airlift and SAC missions from their locations.

And finally, Colonel Riley and Major Kendrick deployed to Saudi Arabia as staff weather officers (SWO's) to USCENAF and the theater officer in Charge Weather Support Force (OICWSF). They, along with several other 3WS detachment members, deployed to support the largest troop movement since the Vietnam war, in Operation Desert Shield.

The early 90's will continue to

be active and challenging for 3WS. Several new "state-of-the-art" weather systems are currently operational, or will be soon, such as the Lightning Detection System (LDS), Local Weather Dissemination System (LWDS), Automated Weather Distribution System (AWDS), and Next Generation Radar (NEXRAD) to name just a few.

War readiness will also continue to be a top priority within 3WS.

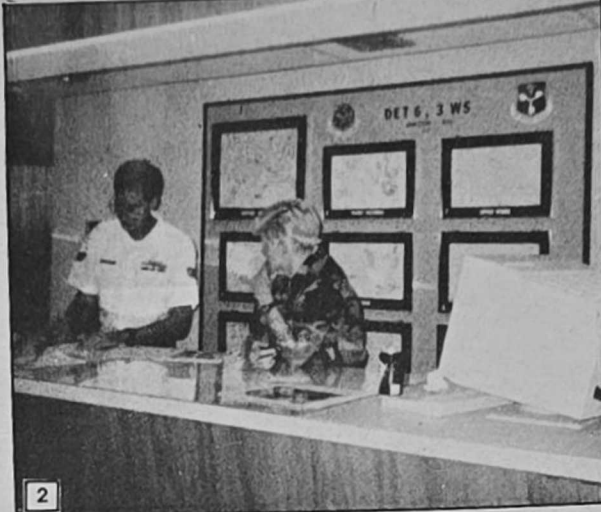
The headquarters and six detachments have fielded and exercised the Tactical Meteorological Observing Station (TMOS), Tactical Cloud Height Detector (GMQ-33), and the AWS Tactical High Frequency Quick Reaction Communications Terminal (QRCT).

How does Walt Disney fit in to all of this? Well on June 24, 1943, Lt. Col. G.R. Grederick, acting chief, Special Services Division, office of Assistant Chief of Staff, notified 3WS that its emblem was officially approved for marking of aircraft. The emblem was designed by no other than Walt Disney Productions, April 15, 1943, at Burbank, Calif.

The 1990's will undoubtedly be a period of great change, not only in 3WS, but in the Air Force as a whole. 3WS will continue to meet these challenges.



1



2



3

1. Forecaster, SSgt. Don Jeter (right), provides a few meteorological tips for apprentice forecaster, SSgt. Ed Budden, on the proper techniques of analyzing upper air charts. 2. SSgt. Parsons, and 2nd Lt. Sherzey, at the new forecaster counter at Det. 6, 3WS. 3. Det. 2, 3WS, SSgt. Eric Apple provides a satellite briefing. 4. The night shift during a MARCH ORE at Det. 1, 3WS, (from left) A1C Michael A. Steele, TSgt. Robert L. Dempsey, A1C Wayne A. Davidson, 2nd Lt. Robert T. Williams and TSgt. Chris M. Rambau. 5. SSgt. Collin McCoy, SMSgt. Schneider, Capt. Grigorian pose for a photo during a December ORE at Det. 1, 3WS.



4



5

3rd WS detachments

Det. 1

Det. 1, Shaw AFB, S.C., supports the 363rd Tactical Fighter Wing (three squadrons of F-16's), and the 507th Tactical Air Control Wing (two squadrons of OV-10's) at Shaw, and the 169th Tactical Fighter Group (F-16's) stationed out of McEntyre ANGB outside of Columbia, S.C.

The most important event for the unit in 1989-90 was Hurricane Hugo's trek through the midlands of South Carolina.

The forecasting challenge they faced proved formidable, but they met the challenge by providing both timely and accurate guidance to their customers, as all aircraft assets were evacuated without any damage or loss.

After the storm passed, relief efforts from Shaw began. Headed by the commander, Capt. Gary Grigorian, and Station Chief SMSgt. Earl Schneider, Det. 1, helped out in the cleanup/relief efforts in the Sumter/Shaw area.

Det. 2

Det. 2, Seymour Johnson AFB, S.C., serves TAC's 4th Tactical Fighter Wing, the host wing, and SAC's 68th Air Refueling Wing. Other customers are the 191st Fighter Interceptor Group and the 12th Flying Training Wing.

The primary customer, the 4th TFW, is currently undergoing transition from the F-4E to the new and exciting F-15E. In fact, the 366th Tactical Fighter Squadron just recently completed their transition to the F-15E and on Oct. 1, 1989, achieved combat operational capability.

Det. 3

Det. 3, located at Myrtle Beach AFB, S.C., supports the A-10 Thunderbolt IIs of the 354th Tactical Fighter Wing (354 TFW).

In addition, they support 10 gunnery ranges, Military Operating Areas (MOAs), and several air refueling tracks. The unit is a leader in Tactical Decision Aid (TDA) support using the new Mark III TDA program.

Det. 4

Another of Det. 4's primary customers is the 10th Aviation Brigade pilots, many of them are stationed at Griffiss AFB, N.Y., some 75 miles south of Fort Drum.

The unit was tasked to provide weather support for the aviation community at Fort Devens, Mass. Located hundreds of miles east of Fort Drum, the weather at Fort Devens is significantly different, and the addition of this mission has focused Det. 4 forecasters much further east. The location is often on the border between liquid and solid precipitation many times during the winter, and is affected by numerous Atlantic Coastal storms.

While garrison forecasters and observers concern themselves with the weather in the northeastern United States, those personnel assigned to the Cadre Weather Team (CWT) have global interests. The CWT is part of Task Force Mountain Warrior, a light infantry task force prepared for immediate deployment. A six-man weather team is always on call to support and deploy with this Division Ready Bridge (DRB).

In exercises where the whole divi-

sion deploys, Det. 4 goes along with it. The unit recently participated in Centurion Shield 90 (REFORGER), which provided an excellent opportunity to practice weather support to the customer in theater.

Det. 5

Det. 5, located at England AFB, La., provides international and staff weather support to the 23rd Tactical Fighter Wing (23 TFW), 926th Tactical Fighter Group (926 TFG), and the 159 Tactical Fighter Group (159 TFG).

They continue to focus on wartime readiness. Several members were sent on major JCS exercises to Germany, Denmark, Turkey and several stateside locations.

Det. 6

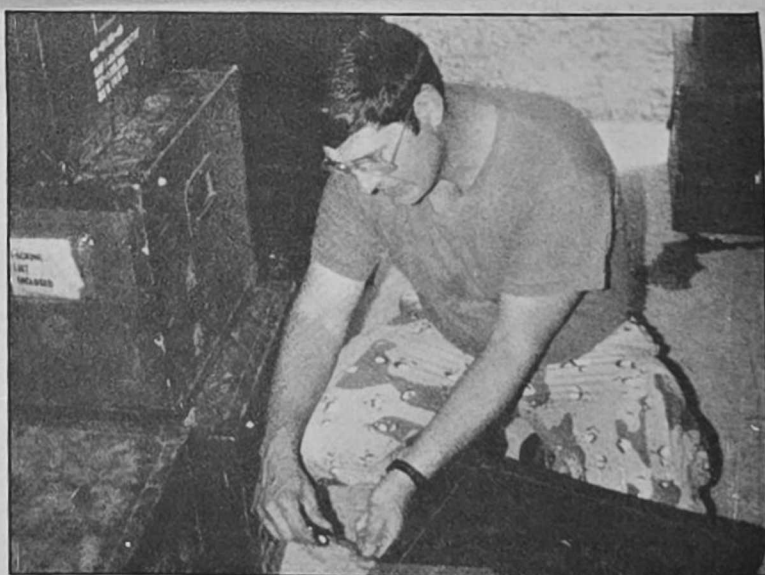
Det. 6, located at Homestead AFB, Fla., supports the 31st Tactical Fighter Wing (31 TFW), 482 TFW, 301 AARS, and 156 TFG. In the past year, they have supported numerous deployments for the 308/309 TFS such as exercise Maple Flag, Rum Punch, and the month long exercise Coronet Stallion to Orland, Norway.

Det. 7

Det. 7, located at Langley AFB, Va., ports the 1st Tactical Fighter Wing (1 TFW), 48 Fighter Interceptor Squadron (48 FIS), and the 156 Tactical Fighter Squadron (156 TFS). This support includes such diverse aircraft as F-15s, EC-135s, C-21s, C-12s, A-7, UH-1s, and AH-60s.

Det. 9

Det. 9, at Tyndall AFB, Fla., supports the USAF Air Defense Weapons Center (ADWC). Its two major organizations are the 325th Tactical Training Wing (325TTW) and the 475th Weapons Evaluation Group



Maj. Frank Kendrick at 3rd Weather Squadron prepares for deployment to INTERNAL LOOK 90.

(WEG). It's the home to the 1st Air Force's Southeast Air Defense Sector (1 SEADS) and its Southeast Sector Operations Control Center (SESOC). Their first mission is to provide weather support to the base and the flying operations along with supporting weapon system evaluation conducted by the 475th WEG.

The second part of their mission is to support the SEADs through its SESOC. This support is unique as only four AWS units provide this type of support.

Det. 23

Det. 23, Moody AFB, Ga., supports the 347th Tactical Fighter Wing (347TFW).

The wing has undergone the transition from F-4E and F-16A aircraft to TAC's newest aircraft, the Low Altitude Navigation and Targeting Infra-

red for Night (LANTIRN) equipped block 40 F-16C. The unit will serve as the Electro Optics (EO) test base for the first employment and operational use of the LANTIRN equipped F-16 aircraft.

Det. 32

Det. 32, located at MacDill AFB, Fla., supports the 56th Tactical Training Wing (56TTW) which includes four training squadrons. In addition, they support several Army aviation units, the U.S. Coast Guard, the Florida Army National Guard, Avon Park Gunnery Range, and numerous transient aircraft. Besides everyday duties, personnel also provide exercise support.

The unit played a significant role in relief efforts after Hurricane Hugo. In late December they went into high gear with Operation Just Cause.

5th Weather Squadron

The 5th Weather Squadron, Fort McPherson, Ga., has a primary mission to provide/arrange for environmental, staff, and operational support required by the Headquarters U.S. Forces Command (FORSCOM), Third U.S. Army (TUSA), 1st Special Operations Command (SOCOM), subordinate FORSCOM units, activities, and installations, and selected U.S. Army Training and Doctrine Command (TRADOC) units, and activities in the Washington, D.C. area.

As the Staff Weather Officer (SWO) to the Commanding General of FORSCOM, the commander of 5WS also functions as the SWO to the Army component to the U.S. Atlantic Command.

Since FORSCOM'S mission is the readiness of all combat and combat support forces, both active and Reserve, a collateral 5WS mission is also readiness — of people, combat weather teams, and tactical equipment.

Fifth Weather Squadron accomplishes its primary mission using 17 weather detachments and six operating locations throughout the states. The squadron has 23 observing sites, 18 of which also put out forecast products.

These 23 units provide direct weather support to three Army corps, 11 divisions, two separate brigades, one armored cavalry regiment, six special forces units, the National Training Center (NTC), and TRADOC. Fifth Weather Squadron also supports the Joint Readiness Training Center at Fort Chaffee, Ark., and the Army Development and Employment Agency (ADEA) at Ft. Lewis, Wash.

Along with these active duty units, 5WS uses five Air Force Individual Mobilization Augmentees (IMAs) to provide weather support to five Continental US Armies (CONUSAs). A sixth IMA provides support to the 3rd U.S. Army (TUSA). The squadron has 24 weather teams at 15 locations throughout the CONUS.

Det. 1

Det. 1, Fort Campbell, Ky., has a diversified mission to provide sup-

port to both Army conventional and special operations forces. The unit's primary customer is the 101st Airborne Division (Air Assault), which prides itself as the only Air Assault Division in the world.

Additionally, Fort Campbell is also home to the 5th Special Forces Group and the 160th Special Operations Aviation Regiment.

Det. 2

Det. 2, is located in the Potomac Basin of northern Virginia. The primary mission of Det. 2 is to provide weather support to the entire military district of Washington and the presidential inauguration. In addition, detachment members provide support to training missions and contingencies throughout the area.

Det. 3

Det. 3, Ft. Bragg, N.C., is one of the largest detachments in AWS. With just six officers and 28 enlisted personnel, Det. 3 supports the Simmons Army Airfield with 24-hour observing and 16-hour forecasting service. The detachment also supports activities at Camp Mackall. On the tactical weather support side of the house, Det. 3 supports the XVIII Airborne Corps and the 82nd Airborne Division with conventional airborne weather team support. The detachment also provides Special Operations Weather Team support to the U.S. Army Special Operations Command, the JFK Special Warfare Center and Schools, and the 1st Special Operations Command, which includes the 3rd and 7th Special Operations Groups (Airborne).

Det. 4

Fort Drum, N.Y. is home to both the 10th Mountain Division (Light Infantry) and Det. 4. The men and women assigned to Det. 4 are challenged by Ft. Drum's weather and the 10th Mountain Division's mission.

Another of Det. 4's primary customers is the 10th Aviation Brigade. Many of the unit's pilots are stationed at Griffiss AFB, some 75 miles south of Fort Drum.

Det. 5

Det. 5, located at Fort Knox,

Ky., is "Home of Cavalry and Armor." Members of Det. 5 provide weather support to the U.S. Army Armor Center and the Armor School (TRADOC), Godman Army Airfield, and the 194th Separate Armored Brigade (FORSCOM), the later being their greatest challenge. Det. 5 is manned by 15 people making it a challenge to provide weather support to the post weather station and the 194th SAB during field exercises.

Det. 6

Det. 6 located on Ft. Lewis, Wash., supports the garrison assets and the tactical requirements of a host of Army customers, including I Corps and the 9th Infantry Division.

The weather station provides support to operations at Gray AAF.

Det. 7

Det. 7, Fort Ord, Calif., is on Fritzsche AAF. Det. 7 provides operational and staff weather support to Army's 7th Infantry Division (Light) and all assigned of attached subordinate units, both in garrison and in a tactical field environment. The unit trains and maintains the highest state of readiness to deploy worldwide in support of combat operations.

Det. 8

Det. 8, Marshal Army Airfield at Fort Riley, Kan., provides around-the-clock forecasting and observing as well as maintaining constant wartime readiness in support of the 1st Infantry Division.

Det. 9

Det. 9, Fort Rucker, Ala., has the unique distinction of supporting the U.S. Army Aviation Training Center, which provides initial rotary and fixed wing training for all Army aviators. The detachment supports more than 700 sorties from over 200 helipads throughout 31,400 square miles each day.

Det. 10

Det. 10, Fort Benning, Ga., supports the Army Infantry Center, the 75th Ranger Regiment, and the 197th Infantry Regiment (SEP) (MECH). The Infantry Center is responsible for all the Army's infantry training, including the basic airborne and Ranger schools. The 75th Ranger Regiment has a worldwide commitment and must be ready to deploy in 48 hours.

Det. 11

Det. 11, Fort Sill, Okla., supports the U.S. Army Field Artillery School and Fort Sill. In addition to staff weather support, range and field forecasts, and climatological data, aviation support is provided for both helicopter and fixed wing aircraft.

Det. 12

Det. 12, Fort Devens, Mass., supports the 10th Special Forces Group (Airborne) and Moore AAF. Staff exercise and climatological support are also provided to other locally assigned and subordinate active and Reserve commanders. Dedicated exercise and contingency support is provided to the 10th SFG.

Det. 13

Det. 13, Fort Eustis, Va., is located on the banks of the James River, near historic Jamestown, Yorktown, and Williamsburg. It provides staff weather support and garrison meteorological support to the Army's Transportation Center, the permanent Field Training site at Fort Pickett, and the Defense Logistics Services Center at Richmond, Va.

Specifically, the unit supports the Aviation Division at Felker AAF, the Army's first military heliport, the Transportation School, NCO Academy, Aviation Logistics School, 8th Transportation Brigade, Joint Strategic Deployment Training Center, and the 7th Transportation Group (Third Port Terminal).

Det. 14

Det. 14, is located on Robert Gray Army Airfield, Fort Hood, Texas. Det. 14 operates a 24-hour forecasting site and two 24-hour observing sites on Fort Hood, while Operating Location-A provides limited support to Fort Bliss, Texas, at El Paso.

Fort Hood, home to the III Mobile Armored Corps, 1st Cavalry Division, 2nd Armored Division, and 6th Cavalry Brigade (Air Combat), is the largest U.S. military post. Fort Bliss houses the 3rd Armored Cavalry Regiment and the Air Defense Artillery School. Det. 14's primary mission is to accompany the

above units and provide the weather services necessary to train safely and maximize combat capability.

Det. 21

Det. 21, Hunter Army Airfield, Savannah, Ga., supports the 24th Infantry Division (Mechanized) (24 ID(M)). The detachment also supports the 1st Battalion (BN) 75th Ranger Regiment, 3rd BN, 160th Special Operations Aviation Regiment (SOAR), the 224th Military Intelligence BN (Aerial Exploitation), the U.S. Coast Guard, and the Georgia National Guard.

Forecasters at Hunter issue forecasts and met watch advisories/warnings for the Fort Stewart complex, 30 miles southwest of Savannah. Wright Army Airfield is the home of OL-A, Det. 21, and is located on Fort Stewart.

OL-A consists of a limited duty observing section and the Cadre Weather Team. OL-A provides most direct support to the division staff, conducts the majority of the tactical training, and supports the Air Force Weather Flights that utilize the National Guard Training Center (also on Fort Stewart).

Det. 31

Det. 31, Fort Polk, La., provides all meteorological support to the 5th Infantry Division (MECH). The detachment operates a full weather station at Polk AAF and provide aviation weather support to the 140 helicopters and the 200,000 acre reservation. It also provides tactical weather support to two ground maneuver brigades and an aviation brigade.

Det. 58

Det. 58, Fort Carson, Colo., supports the 4th Infantry Division (MECH). The unit has continuous METWATCH responsibility for the 244,000 acre Pinon Canyon Maneuver Site, in southeast Colorado. Detachment members provide a tactical weather team display annually at the Air Force Academy for Project Warrior.



1. A1C Randall Hayes watches as A1C Gregory Cobb takes a tactical observation during a local Fort Campbell field training exercise. 2. Det. 2, 5WS, members SSgt. Thomas Duncan (left) and SSgt. Jeff Gould participate in a shift change briefing. 3. Corporal Chris Morrison (left) maps out a patrol for SSgt. Rob Powell (center) and SSgt. Jeff Van Brocklin.

AWS Salutes

Medals

Meritorious Service Medal:

BOYD, Lt. Col. Richard R., 17WS (IMA)
BUCHANAN, MSgt. Currey R., Det. 1, 17WS
COCHRANE, Maj. Marvin A., Det. 10, 2WS
CONBOY, CMSgt. Timothy B., AFGWC (30LC)
EDWARDS, Maj. Jerry Det. 29, 17WS
FENTON, MSgt. William J., Det. 15, 30WS
FERGUSON, MSgt. Paul T., Det. 8, 20 WS
FOX, Lt. Col. Michael J., Det. 2, 2WS, (50LC)
GOMBARCIK, MSgt. George B., AFGWC (10LC)
GRAVIER, SMSgt. Michael E., 17WS
GRIFFITHS, Capt. James E., AFGWC (10LC)
GOSETTI, Capt. Thomas A., AFGWC (10LC)
HALDERMAN, Capt. Timothy D., Det. 3, 4WW (10LC)
HANNUM, MSgt. David W., Det. 9, 4WW
MEADE, Capt. Arthur C., Det. 15, 30WS OL-B (10LC)
MOORE, Lt. Col. James R., 5WW
NEWMAN, SMSgt. Harold E., Det. 15, 30WS (10LC)
PROCHASKA, Lt. Col. Robert D., Det. 1, 2WS
PREWITT, CMSgt. Richard H., AFGWC (40CL)
SANDBOTHE, MSgt. Albert J., Det. 19, 15WS
STANSBURY, SMSgt. Thomas J., 4WW (10LC)
TIMMONS, TSgt. Tommy B., Det. 15, 15WS
WOOD, Col. Phillip D., HQ 1WW (60LC)

Air Force Commendation Medal:

BASHFORD, Capt. Kenneth R., 2WS (20LC)
BESSEY, TSgt. David A., Det. 15, 30WS (20LC)
BITTER, SSgt. Michael R., AFGWC
DAVENPORT, Capt. Michael L., 2 WS
DEBAKER, Sgt. Laura S., 15WS
DEELY, SSgt. Timothy E., Det. 1, 5WS
DEXTER, SrA Ronald E., 20 WS
DUTTON, Capt. Eric C., Det. 1, 7WW
GASTROCK, Sgt. Barry A., Det. 15, 30WS
HIATT, TSgt. David D., Det. 15, 30WS
HOSKINS, Sgt. James R., Det. 15, 30WS OL-A
HOUGHTON, Sgt. John V., Det. 17, 20WS
JOHNSON, SSgt. Daniel H., Det. 8, 20WS
KELCHER, Capt. Steven F., AFGWC (10LC)
LONNEN, TSgt. John G., Det. 5, 20WS (10LC)
MACDONALD, SSgt. Scott G., Det. 5, 20WS (10LC)
MACK, SSgt. Willie J., Det. 2, 30WS
MCGUFFIN, SSgt. Patrick T., Det. 2, 11WS
MIDDLEBROOKE, Maj. Michael G., 2WS (10LC)
MRAZ, MSgt. Ronald L., 4WW (40LC)
OUTLAW, SSgt. Charles W., 20WS
PADILLO, SSgt. Stefan J., Det. 1, 5WS
SMITH, TSgt. Suzanne, Det. 17, 20WS (10LC)
SMITH, SSgt. Walter H., Det. 8, 20WS
TONES, TSgt. Jack, Det. 15, 30WS (20LC)
WEST, Sgt. Charles A., Det. 1, 7WW
WHITE, MSgt. Frederick L., Det. 30, 2WS (20LC)
YELTON, SSgt. Robert S., Det. 2, 20WS
YOUNGER, TSgt. Richard C., Det. 14, 17WS (20LC)

Army Commendation Medal:

BESSEY, TSgt. David A., 17WS
BONNELL, A1C Donald W., 17WS
BROTHERS, MSgt. William A., 5WW
HART, Sgt. Kelly M., Det. 6, 17WS
MICHAEL, TSgt. Raymond J., 5WW
YOUNG, TSgt. Helmut D., 15WS

Air Force Achievement Medal:

ASHBY, Sgt. Sterling N., Det. 2, 20WS
BEECHER, Capt. Elizabeth E., Det. 2, 2WS
BOBBITT, 1st Lt. James W., 4WW
BUCKNER, SSgt. Paul E., 209WF TXANG
COOK, Jefferson O., Det. 1, 30WS (20LC)
DOWNING, SSgt. Richard W., Det. 1, 30WS

EMNETT, SSgt. Larry J., Det. 2, 11WS
ENGEN, A1C Michael D., Det. 8, 20WS
ENGEN, A1C Michael D., Det. 8, 20WS
FEEMAN, Sgt. Marvin V., AFGWC
HART, Sgt. Kelly M., Det. 18, 30WS (20LC)
HENNIX, Sgt. William H., Det. 18, 30 WS (10LC)
HUBBELL, Sgt. E. Jon, Det. 10, 30WS (10LC)
HUTTENHOFF, 1st Lt. Kevin A., Det. 1, 4WW
JAY, Capt. Riley Det. 30, 2WS
JENNINGS, Sgt. Holly, Det. 1, 1WW (10LC)
JENSEN, Maj. Glynn E., HQ 1WW
JONES, Sgt. Walter R., 209WF TXANG
MATTISON, Capt. Kevin M., Det. 13, 20WS
MCMILLAN, Capt. Stephen R., 5WW
MILLER, SSgt. Kevin W., 209WF TXANG
MILNER, CMSgt. Danny W. HQ AWS
PARTRIDGE, TSgt. Mark K., AFGWC (10LC)
RATLIFF, SSgt. Charles P., Det. 15, 30WS
RIOS, SSgt. David W., Det. 9, 3WS
SPRADLIN, Sgt. Carol A., Det. 15, 30WS
VAUGHN, Sgt. Robin L., Det. 1, 11WS
WAGNER, SSgt. Keith E., Det. 15, 30WS (20LC)
WEBBER, Sgt. Andrew A., Det. 7, 3WS (20LC)
WELLMAN, SrA. Todd P., Det. 15, 30 WS (10LC)
WYATT, A1C Stephen G., Det. 6, 2WS
YOUNG, Helmut D., Det. 15, 30WS

Joint Service Achievement Medal:

BROWN, Derrick R., 5WW

Army Achievement Medal:

DICKSON, Sgt. Joshua N., Det. 23, 6WS
ORTIZ, Sgt. Oscar Jr., Det. 20, 17WS
RIVERA, SrA. David, Det. 11, AFGWC

Air Force Good Conduct Medal:

ALEXANDER, TSgt. Robert T., Det. 20, 17WS (50LC)
HAUGHT, SrA Bryan G., Det. 23, 6WS
HUNTER, SSgt. Girard L., Det. 9, 5WS
MICHAEL, TSgt. Raymond J., 5WW
MARCI, TSgt. Robert T., Det. 20, 17WS (50LC)
REID, TSgt. Robert T., Det. 20, 17WS (50LC)

Humanitarian Service Medal:

BURKHALTER, SSgt. Ronald J., Det. 3, 3WS
CHAMBERS, SSgt. Nancy M., Det. 1, 3WS
COMPTON, TSgt. Richard W., Det. 1, 3WS
DAVIDSON, A1C Wayne A., Det. 1, 3WS
DEMPSEY, TSgt. Robert L., Det. 1, 3WS
FINK, TSgt. Donald R., Det. 1, 3WS
GREGORY, SSgt. Fred A., Det. 3, 3WS
GREGORIAN, Capt. Gary G., Det. 1, 3WS
HARRIS, 2nd Lt. Gottys N., Det. 1, 3WS
HILL, SrA Dale L., Det. 1, 3WS
KENDRICK, Maj. Frank L., 3WS
KIER, MSgt. Robert J., Det. 1, 3WS
LOFTON, TSgt. Eugene, Det. 1, 3WS
MENDONCA, Capt. Cynthia G., 3WS
MCCOY, SSgt. Colin W., Det. 1, 3WS
MILNER, CMSgt. Danny W., HQAWS
PERRY, Sgt. Sharon L., 3WS
POWERS, TSgt. Williams H., Det. 3, 3WS
RAMBALI, TSgt. Christopher M., Det. 1, 3 WS
RILEY, Lt. Col. Gerald F., 3WS
RISHEL, SSgt. Douglas A., Det. 3, 3WS
SCHNEIDER, SMSgt. Earl W., Det. 1, 3WS
SCHNEIDER, TSgt. Ronnie F., 3WS
STEELE, A1C Michael A., Det. 1, 3WS
WALKER, Lt. Col. Thomas N., 3WS

Armed Forces Expeditionary Medal:

PERKINS, SSgt. Bruce W., Det. 75, 6WS

Promotions

To Lieutenant Colonel:

SHANOR, Willis D., Det. 15, 15WS

To Major:

WILSON, Donald L., USAFETAC
WIRSING, Frederick C., Det. 8, 4WW

To Captain:

DICKEY, Judith E., Det. 7, 3WS
MCMILLAN, Stephen R., 5WW

To First Lieutenant:

KELLY, Andrew R., Det. 75, 6WS

To Chief Master Sergeant:

HERBERT, Mary E., AFGWC
PAUL, William T. Jr., 15WS

To Senior Master Sergeant:

BUCHANAN, Currey R., Det. 1, 17WS
EVANS, Charles J. Jr., Det. 19, 15WS

To Master Sergeant:

BRODERICK, Steven, Det. 2, 20WS
CABEEN, Thomas E., AFGWC
KRICK, Brian, 350 TTG
MONROE, Robert E., AFGWC
MRAZ, Ronald L., 4WW
ROWLAND, Phyllis L., Det. 13, 25WS
SMITH, Larry L., AFGWC

To Technical Sergeant:

BELLEVILLE, Stephen B., 4WW
FOSTER, Vickie L., 6WS
JONES, Richard L., AFGWC
MITCHELL, Robert A., Det. 3, 4WW
PITSENBARGER, Larry A., Det. 21, 15WS
SCHMIDT, Jeffery A., Det. 6, 5WS
WILLIAMS, Anthony, Det. 1, 15WS

To Staff Sergeant:

BOUSMAN, Kloth R., Det. 31, 5WS
GREGORY, Fred A., Det. 3, 3WS
MARSHALL, Jeffery A., Det. 1, 3WS
MILLER, James H., 209WF, TXANG
WETER, Warren W., Det. 4, 17WS

Appointed to Sergeant:

LEDDON, Cindy L., AFGWC
JOHNSON, Russell B., Det. 6, 3WS
MILLER, Michael D. I., AFGWC
VALDEZ, Everett B., 209WF, TXANG

To Senior Airman:

ALEJO, Ramero III, Det. 14, 5WS
CASTLE, James D., OL-B, Det. 2, 5WS (BTZ)
DEAL, Chad S., Det. 9, 17WS
ESPANOLA, Luisito S., Det. 29, 17WS
GALO, Garcia Jr., Det. 14, 5WS
HILL, Ronald F., Jr., 15WS
HINKLE, Michael J., Det. 8, 20WS
HORGAN, Michael A., Det. 1, 15WS
MATUSZEWSKI, Dean P., Det. 3, 11WS
PETERSON, Kelly J., Det. 10, 30WS
ROSENBOHM, Thomas W., Det. 20, 30WS
SANDERS, Barry L., Det. 1, 17WS
SELLERS, Joe D., Det. 4, 17WS
TYLER, Darnel W., Det. 1, 15WS

To Airman First Class:

ALVERSON, Jennifer J., Det. 8, 20WS
BRENTON, Edward H. Jr., AFGWC
CASHMAN, Lance W., Det. 1, 1WW
CAUSEY, John W., AFGWC
CHAVARRIA, Jose E., Det. 14, 5WS
KEEL, Paul J., 17WS
ROMERO, David M., 6WS

To Airman:

BUSDECKER, Chadwick L., Det. 25, 5WW
ENTWISTLE, Jeremy A., Det. 1, 1WW
GARCIA, Michael L., Det. 20, 30WS
HAYO, Roxanna M., Det. 1, 15WS
HENNESSY, Kevin D., 6WS
HLYWA, David R., Det. 7, 3WS
MCINTIRE, Shane P., 6WS
MURPHY, Daniel L., Det. 31, 5WS
PEER, Matthew G., Det. 1, 17WS

Unit honors

Company Grade Officer of the Quarter:

3WW-DENNIS, Michael R., Det. 16, 9WS
7WW-CALLAHAN, 1st Lt. William J., 15WS
3WS-WILLIAMS, 2nd Lt. Robert T., Det. 1, 3WS
5WS-FRYE, 1st Lt. Jeffery L., Det. 9, 5WS
17WS-SANUME, 2nd Lt. Elia P., Det. 11

Senior NCO of the Year:

2WW-TROUTMAN, MSgt. Jimmie W., Det. 3, 7WS
3WW-LIBERTO, MSgt. Sam III, Det. 21, 9WS
7WW-DOUGHERTY, MSgt. Michael D., 6WS
3WS-FERGUSON, MSgt. Paul T., Det. 9, 3WS
5WS-REID, MSgt. James J., Det. 9, 5WS
15WS-ROTH, MSgt. Donald M., 15WS
17WS-FESENGER, MSgt. Gordon H., Det. 6

NCO of the Quarter:

4WW-GUNNING, TSgt. Rodney E., Det. 3, 4WW
7WW-FIELDS, Sgt. Timothy J., Det. 1, 7WW
3WS-LOFTON, TSgt. Eugene, Det. 1, 3WS
5WS-MALCOMB, SSgt. William D., Det. 31, 5WS
15WS-TIMMONS, TSgt. Tony B., Det. 15
17WS-REID, TSgt. Robert T., Det. 20

Airman of the Quarter:

322-MYCUE, Stacy D. Det. 1, 24WS
7WW-LOURIDAS, SRA. Michael J., Det. 11, 17WS
3WS-KEATON, A1C Williams B., Det. 3, 3WS
5WS-CASTLE, A1C James D., Det. 2, 5WS
15WS-LAND SrA Lisa M., Det. 21

Civilian of the Quarter:

3WW-REICHERT, Ricky M., Det. 1, 9WS
7WW-WARNER, Julie K., Det. 6, 17WS
3WS-KIST, William B. Jr., Det. 9, 3WS
5WS-WATSON, Prentice E., Det. 1, 5WS
15WS-SERRA, Amaro B., Det. 19

Education:

Squadron Officer's School:

BRAY, Capt. Dennis J., 7WW
VAN BLARCUM, Capt. Scott C., HQ AWS

NCO Academy:

FERRARO, TSgt. Dale J., Det. 19, 30WS (Levitov)
PINKERTON, TSgt. Paul N., Det. 4, 4WW

NCO Leadership School:

BARNARD, Sgt. Cary F., Det. 7, 5WS DG
BOYLE, SSgt. Peter S., USAFETAC
MILLER, SSgt. Donald L., 15WS
PELL, SSgt. Louis D., Det. 9, 5WS DG

NCO Preparatory Course:

DAVIS, SrA Sue A., Det. 5, 5WS (Levitov)
HYNES, SrA Kristina R., USAFETAC (Levitov)
ENGRAV, SrA Ramona R., Det. 4, 17WS
PARAZO, SrA Ceasar M., Det. 9, 17WS
STRICKLAN, SrA David L., Det. 25, 5WW

Master's Degree to:

CARVER, Capt. Kim, HQAWS
PEREIRA, Capt. John J., OL-C, AFGWC
PERKINS, Maj. James S., HQAWS

Associate Degree from CCAF to:

TIMPERIO, SSgt. Michelle, Det. 1, 1WW
REID, TSgt. Robert T., Det. 20, 17WS

Reenlistments:

ABEL, MSgt. Phillip G., Det. 23, 6WS
BARNES, MSgt. Frederick D., Det. 1, 17WS
BULLARD, SSgt. Duane P., Det. 8, 5WS
COLEMAN, TSgt. Ronald L., USAFETAC
ESCAMILLO, Sgt. Louis L., AFGWC
FISHER, TSgt. Mark S., Det. 9, 5WS
GREEN, TSgt. Stephen G., Det. 7, 3WS
HAGINS, SSgt. Garry R., Det. 4, 5WS
HERNANDEZ-GARZA, Sgt. Luis, 209WF, TXANG
LANTRIP, Sgt. Ricky G., Det. 14, 5WS
MOORE, SSgt. Valerie L., Det. 4, 17WS
RICHARDS, SSgt. Craig E., Det. 31, 5WS
RIGNOR, SSgt. Jeffrey R., Det. 6, 17WS
VAN NOY, SSgt. Karl L., Det. 23, 6WS

Retirements:

CONBOY, CMSgt. Timothy B., AFGWC
GOMBARCIK, MSgt. George G., AFGWC

AWS EYE IN THE SKY

Using the Defense Meteorological Satellite Program (DMSP), Air Weather Service forecasters can easily ascertain important weather data from any area of the Middle East in support of Operation Desert Shield. Photo No. 1 shows a DMSP image taken during the evening of Aug. 30, 1990. In this image, both city lights and gas being burned off during oil production, appear as bright areas in and throughout the Persian Gulf Region. (Center right in photo) Photo No. 2: This DMSP image taken a few hours later during the morning of Aug. 31, shows cloud formations and other weather features. Air Weather Service uses satellite images like these to provide vital weather information to U.S. military activities in the area. (U.S. Air Force photos)



25th Weather Squadron

The 25th Weather Squadron Bergstrom AFB, Texas, was first activated on Nov. 1, 1943, at Patterson Field Ohio. The squadron was assigned to the Army Air Forces Weather Wing to provide weather support to New England-based Army and Army Air Corps units.

The unit has since been disbanded and reactivated twice, with the most recent reactivation occurring on Jan. 1, 1975 after deactivation on June 30, 1972. The squadron was relocated to Bergstrom AFB, Texas, on May 23, 1968.

Except for the deactivation period from 1972 to 1975, 25WS has provided weather support to the tactical units of 12th Air Force (12AF) since 1958 when 12AF replaced the 18th Air Force.

Today 12AF is the largest numbered Air Force in the Tactical Air Command and flies 12.5 percent of the Air Force's sorties.

The 12AF serves as the Air Force component of U.S. Southern Command (USSOUTHCOM) — U.S. Southern Command Air Forces (US-SOUTHAF); the U.S. Pacific Command (USPACOM); the binational U.S.-Canadian North American Aerospace Defense Command (NORAD); and Joint Chiefs of Staff designated joint task forces in planning and

execution of counterdrug operations.

One other 12AF responsibility is to provide contingency planning for U.S. Air Force Atlantic (USAFLANT) in the Caribbean area, and when directed, to assume Air Force Forces (AFFOR) responsibilities from USAFLANT to provide command and control of tactical air forces operating as a subordinate command of the USLANTCOM.

Weather support to 12AF and its many assets is provided directly to the headquarters by the 25WS staff and to the 12AF field units nine 25WS detachments and two operating locations. The 169 25WS staff and detachment members are on mobility to support Air Force combat operations worldwide.

Besides providing support to 12AF, 25WS supports the Tactical Fighter Weapons Center (TFWC) at Nellis AFB (a direct reporting unit to TAC) and the unique Red Flag, Air Warrior, and Thunderbirds missions.

Other unique weather support within 25WS is the responsibility to provide low-level, air-to-ground, air-to-air, and refueling route forecasts for the largest military operating ranges in the world.

Also, three 25WS units are alternate landing sites for the

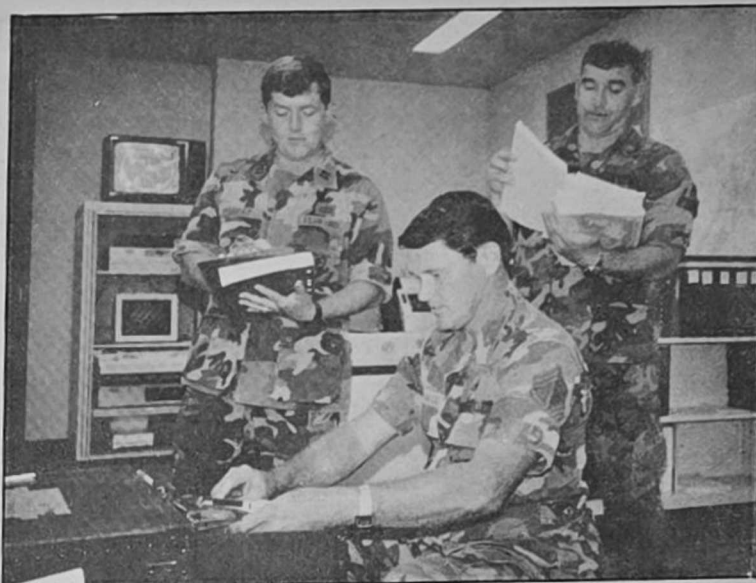
Space Shuttle ferry mission.

Throughout its history, 25WS and its members have taken the lead in technical programs to evaluate forecast accuracy and weather support to state-of-the-art weapon systems. The original operational verification (OPVER) program was initiated within 25WS and remains an Air Weather Service-wide program to ensure the accuracy of operational forecasts.

Det. 8

Located in the high desert of Nevada at the Tonopah Test Range, 62 miles north of the Cottontail Ranch, Det. 8 is the newest 25WS unit. Although operating since 1982, Det. 8 was not known to the public until October 1989 when the Pentagon announced publicly the existence of the F-117A Stealth Fighter. Det. 8 provides direct weather support to the Air Force's newest airframe and the Air Force's only stealth fighter wing (37th Tactical Fighter Wing). This support includes resource protection for assets worth more than \$3 billion and sortie-specific forecasts, observing support, and electro-optical tactical decision aids for 63 combat aircraft that operate primarily at night, within a 250,000 square mile area.

In addition, unit members



Capt. Daniel Lopez, CMSgt. Benjamin Coughran and Maj. Curtis Reutner of the 25th Weather Squadron, inventory the unit's SWO Kit.

maintain a high readiness posture to provide weather support to any worldwide contingency operation which may arise.

Det. 10

Located in close proximity to the 25th Weather Squadron at Bergstrom AFB, Texas, Det. 10 provides operational and staff weather support for the 78 combat aircraft of the 67th Tactical Reconnaissance Wing (TRW) — the only active duty RF-4 wing in the Air Force — and the 924th Tactical Fighter Group's (Air Force Reserve)

F-4Es. These aircraft routinely operate with training areas extending more than 250,000 square miles from the base.

In addition, Det. 10 provides weather support to the 602nd Tactical Air Control Group (TACG) and the 10th Air Force (Air Force Reserve), and specialized forecasts for 10 low-level routes and two air-to-air gunnery ranges. Support to the base includes resource protection of more than \$1 billion in facilities and equipment. Support to the

Continued on Page 12



25th Weather Squadron Detachments

During Roving Sands 90, 2nd Lt. Eric Dernovich and SSgt. Rob Steenburgh provides a briefing for a crewmember. 2. SSgt. Brian Miller, Amn. David Hanck, TSgt. James Connell and TSgt. Wayne Bradshaw of Det. 16, 25WS, discuss weather impact on Red Flag and Air Warrior. 3. First Lt. Terry Hoffman, Maj. Thomas Ling and 2nd Lt. Teresa Ratledge of Det. 18, 25WS, discuss daily weather. 4. SSgt. James Bagby, TSgt. William Mitchell and MSgt. Dwight Fleming of Det. 18, 25WS, refer to one of the detachments reference manuals.

25th Weather Squadron...

Continued from Page 11

67 TRW and 602 TACG involves a demanding mobility training schedule to maintain the proper readiness posture. Providing weather forecasts for short-notice deployments to worldwide locations is a key part of this training. Det. 10 is one of three 25WS units that provide alternate landing site weather support to the Space Shuttle ferry mission.

Det. 11

Det. 11 is located at Cannon AFB, N.M., and provides weather support to the 27th Tactical Fighter Wing (27TFW). The 27TFW consists of two operational F-111 fighter squadrons and two F-111 training squadrons including the recently activated 429th Tactical Fighter Training Squadron.

Det. 12

Located at George AFB, Calif., Det. 12 supports the 35th Tactical Fighter Wing's (TFW) 150 combat aircraft. The 35 TFW trains USAF and German Air Force pilots in addition to maintaining a combat-ready F-4G "Wild Weasel" squadron for offensive counter-air missions, and generates more than 2,000 sorties monthly. George AFB is also home to the 831st Air Division Headquarters and Det. 1, 144th Fighter Interceptor Wing which keeps two F-16s on round-the-clock alert.

Det. 13

Det. 13, Davis-Monthan AFB, Ariz., provides environmental support to units at Davis-Monthan AFB, Libby

Army Air Field at Fort Huachuca, Silverbell Army Heliport at Marana, and the 162nd Tactical Fighter Group (ANG) at Tucson International Airport. Units supported on Davis-Monthan include the 836th Air Division, the 355th Tactical Training Wing (TTW), the 602nd Tactical Air Control Wing which controls nine geographically separated units, the 41st Electronic Combat Squadron, the 71st Special Operations Squadron, and the Aerospace Maintenance and Regeneration Center (AMARC) also known as the "Boneyard."

Det. 14

Det. 14 is located at Holloman AFB, N.M. Det. 14 provides weather support to 200 combat aircraft that routinely generate more than 2,500 sorties monthly, and resources protection for more than \$3 billion in facilities and equipment. Units supported include the 833rd Air Division, the 49TFW (F-15), the 479thTTW (AT-38s), the Support Group, and other smaller units such as the 6585th Test Group which request daily weather data for test and evaluation purposes. In addition, Det. 14 also provides weather support to the 83rd Tactical Control Squadron and the Army's 2nd Air Cavalry Regiment, at Biggs AAF also known as Fort Bliss, Texas, near El Paso.

Det. 15

Det. 15 provides weather support to Luke AFB, Ariz. Det. 15's major customers are the

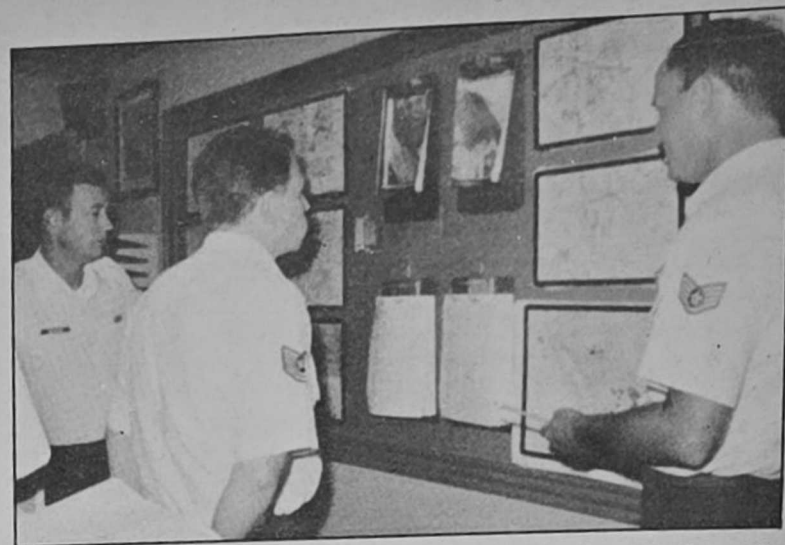
832nd Air Division (TAC), which consists of two tactical training wings (F-15s and F-16s), 161st Air Refueling Group (KC-135s) (SAC), 944th Tactical Fighter Group (F-16s) TAC, and the Arizona Army National Guard (UH-1 and C-12). These support services are provided by Det. 15's 24-hour observing and forecasting function. In addition, Det. 15 is a regional briefing station, metwatches three SAC low-level routes, issues forecasts for ranges covering one-third of Arizona, provides radar backup to the Phoenix NWS and Williams AFB, and conducts surface and pilot balloon observing services at Gila Bend AAF, Ariz.

Det. 16

Det. 16 is located at Nellis AFB, Nev. Det. 16's mission is to provide operational and staff weather support to all Nellis advanced fighter training and follow-on weapons testing missions. Customers on Nellis AFB include the Tactical Fighter Weapons Center (TFWC), which provides realistic combat threat training for Tactical Air Forces worldwide. Under the TFWC is the 57th Fighter Weapons Wing (FWW). The 57 FWW is the operational, fighting arm of the TFWC. Det. 16's most visible mission at Nellis is support to the 4440th Tactical Fighter Training Group, better known as Red Flag.

Det. 18

Det. 18 is located at Mountain Home AFB, Idaho. The unit's primary mission is to



TSgt. William J. Bradshaw (left to right), TSgt. James P. Connell, and SSgt. Michael S. Erskine of Det. 16, 25WS, conduct a meteorological discussion during shift change.



SSgt. Brian Skilliano and TSgt. Nancy O'Connell at Det. 8, 25WS, prepare slides for the day's weather briefing. A1C Howard Sands (background) works on a computer derived Skew T diagram.

provide weather support to the 366th Tactical Fighter Wing (TFW) so that its aircrews can

execute tactical fighter and tactical electronic combat missions worldwide.

Desert Shield...

Continued from page 1

tion. Six Wings and the Air Force Global Weather Central (AFGWC) at Offutt AFB, Neb., are providing people and information to the effort.

The 7th Weather Wing (7 WW), at Scott, was one of the first involved in the deployment. Its mission is to support the U.S. Transportation Command and MAC, not only for the initial deployment, but throughout the resupply effort.

The 5th Weather Wing (5WW), headquartered at Langley AFB Va., supports

the U.S. Central Command, which has overall responsibility for Operation Desert Shield. The 5WW played a key role in orchestrating overall weather support for the operation up to now. It, along with the 1st, 2nd, 3rd, 4th, and 7WWs sent people with deployed elements of the Air Force and Army.

"People have come from across a broad spectrum," Colonel Frederick said. "We have the entire weather service involved."

"The detachments out there are supporting combat units.

They train with these units during peacetime, so they can go into battle with them. They are familiar with the units, just as the units are familiar with the weather people."

Before the troops were in place, however, AFGWC had to analyze data from the region and provide weather information to all Air Force and Army units involved. The center continued to support the operation during early phases and is still involved by providing computer flight plans for MAC aircrews flying to Southwest Asia.

Colonel Frederick has high praise and concern for all of the weather people involved in the mission.

"Our prayers are with every one of them for a safe and successful operation," he said. "We have to realize that this is a serious business and we at the headquarters hope we are giving them all the support they need to do their job."

"We just held a memorial service for three that we lost in the Ramstein C-5 accident, and our prayers and thoughts are certainly with the families

of those three," the colonel said.

AWS personnel continually train for operations like Desert Shield. They are ready to put their skills on the line to help ensure nature's worst has minimal effect on the U.S. military's ability to deploy and defend.

"A desert is not a weather-free environment," Colonel Frederick said. "Our people have seen these weather trends from afar, or in training, but to experience it firsthand is the proof of the pudding. I believe they will do well." (MAC News Service)

HQ AWS/PA
SCOTT AFB, IL 62225-5

DET 4, 20WS 7
1WW
HICKAM AFB HI 96853

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MOM