



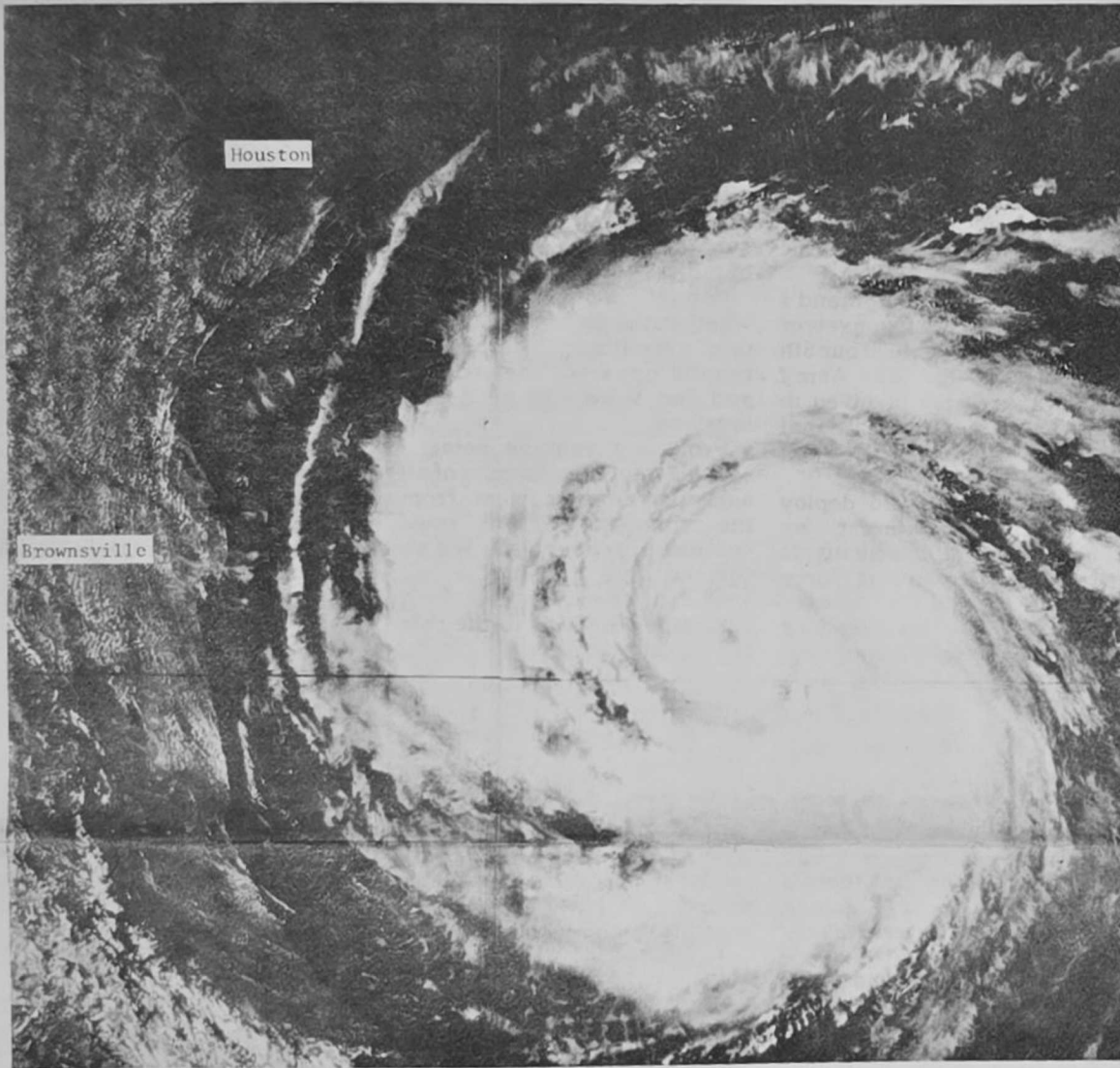
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# AWS Observer

Vol. 26, No. 9

Headquarters Air Weather Service, Scott AFB, Ill.

September, 1980



ALLEN'S WRATH — Hurricane Allen fills the Gulf of Mexico Aug. 8, the day before it hit the Texas-Mexico area just north of Brownsville, Texas. See story on page 3. (DMSP Imagery)

## AWS majors earn promotions to O-5

Twenty-seven Air Weather Service majors have been selected for promotion to lieutenant colonel. They are:

### 5th WW

Joseph B. Hooten; Arthur C. Kyle; Raymond G. Lapierre; and Charles R. Stout.

### HQ AWS

Robert G. Feddes; William B. Freeman, Jr.; James E. Hansen; David W. McLawhorn; and Roger H. Schauss.

### AFGWC

Donald L. Best; Louis R. Billones; Roy E. Harriman; Robert E. Jeffus; Robert D. Smith; and George E. Worham.

### 1st WW

David A. Leatherwood.

### MAC/IG

Robert C. Crisler.

### 2nd WW

Frederick F. Haddad, Jr.; Richard P. McElveen; John Peschier; Keith C. Ross; John F. Shaughnessy, Jr.

### AU

Willie J. Dean, Jr.

### 3rd WW

Kenneth H. Clark, II; Patrick J. Larkin; Melvin L. Turner.

### AFROTC

John L. Moore.

# Tornadoes take aim on Minot

By 2nd Lt. Kenneth H. Wallingford  
Det. 21, 9th WS

When the super cell first appeared, few people thought a tornado would threaten the base. Yet, in short order, not one, but two churning funnel clouds closed in.

Wednesday, June 4, quickly became a day not to be soon forgotten by Det. 21, 9th Weather Squadron and the rest of Minot AFB, N.D.

The first sign that this day might be different from any other came early that morning when radar detected a developing line of thunderstorms 80 miles west to north of the base.

By 9 a.m. tops reached 50,000

feet. The line stayed fairly stationary for the next few hours and, despite some southwesterly to northwesterly expansion, showed little other change.

Then, around noon, things began to take a strange turn. The line began to dissipate while a new, very strong cell appeared 50 miles west of Minot.

It was about 25 miles in diameter and its top reached 50,000 feet. Skies west of the base began to darken and radar soon indicated that the thunderstorm was headed for

the base.

A distinct hook echo appeared on the radar screen at 12:40 p.m. about 32 miles west-southwest of the installation. A missile site 25 miles west of Minot soon reported two funnel clouds moving east.

Radar followed the hook echo as it moved toward the base until 1:45 p.m. when it passed the 10-mile marker and was lost from view.

Seconds later, the Det. 21 observer rushed in and reported a funnel cloud just west of the base, distance unknown.

The observer returned within a few minutes to confirm the tornado was on the ground west of Minot.

The combat support group commander who had monitored the storm along with the weather people quickly ordered the base siren sounded.

At the same time, all non-essential people were evacuated from the weather detachment building.

The tornado did not remain down long and dissipated before it reached the western end of the base. However, the danger was far from over.

Five minutes later another twister — perhaps the same one — touched down west of the base and this time just five miles out.

Those who saw it agreed it was an awesome and chilling

sight — thick, black and ugly. As it passed it just missed the base stables and northwest sector of the housing area.

It remained down for several minutes and travelled from southwest to northeast before it lifted back up into the clouds just north of the base.

As the thunderstorms moved to the east, so, too, did the tornadoes. There were many reports throughout the afternoon of twisters in that area.

For Det. 21 and Minot, though, the danger had passed. What had come so quickly left the same way. Everyone came through safely and filled with stories of their brush with disaster.

# Command line...

## AWS mobility improves for all six wings

Our nation's great economic, political and diplomatic systems rest upon a foundation of military strength. Teddy Roosevelt put this matter in the proper perspective some years ago when he said:

"We need to keep in a position of preparedness ... not because we want war, but because we desire to stand with those whose plea for peace is listened to with respectful attention...."

Rapid reinforcement and worldwide mobility are major elements of the national policy of the United States. This nation must be able to rapidly project our full combat power to confront an adversary on the real estate of his choosing to deter him.

While that is certainly a bottom-line test for airlift, it also speaks to the true readiness and capability of all our forces — us included!

I've written before in this column about initiatives we

had underway to enhance our mobility posture and build in our younger, less experienced force, a respected level of wartime capability.

Planned exercises have given us the mobility and field practice we need — we've trained vigorously to be able to meet the test.

We knew the test would come when we would be tasked to respond immediately to contingencies, humanitarian actions, crises, and projections of U.S. power to show resolve.

World events over the past several months have given us opportunities to test our real world readiness and mobility — in short, our ability to do our wartime job.

I'm proud to report to you that our responses in both planned exercises and real-world unprogrammed situations have been on the mark, on time.

Our people have risen to the challenge in events like

REFORGER, BRAVE SHIELD '80, and force deployments in WESTPAC and the Middle East.

Most importantly, we have reached the full awareness that any projection of U.S. Air Force and U.S. Army forces outside the continental U.S. involves every one of our six weather wings.

Consider a scenario of projecting U.S. forces into either the European or Pacific theatres:

•If Tactical Air Command's fighters move, that involves deployment of people in our 5th Weather Wing. If Army elements are also involved in the deployment, additional members of the 5th WW will deploy forward.

•For TAC assets to deploy forward, there must be Military Command airlift to provide the supporting force and required logistics packages; that involves our 7th WW people deploying with

an airlift control element. In the deployment, both TAC fighters and MAC airlifters may require aerial refueling support by Strategic Air Command's tankers; that involves 3rd WW people.

•During all three phases (deployment, employment and redeployment), our Air Force Global Weather Central will play a significant role in providing tailored weather support to cover a wide array of military operations.

•And finally, depending on whether the force projection is to the Pacific or Europe, it is readily apparent that our 1st and 2nd WWs will be deeply involved.

From my vantage point, I see this total involvement of all our wings in each event, from the simplest to the most complex scenarios. We've come a long way in the last year in aggressively attacking our responsibilities in the role of a force intensifier.



Brig. Gen. Albert J. Kaehn Jr.  
AWS Commander

You've worked hard at mobility and readiness, and can take pride in the fact that when the nation has called, we've had those who have echoed Isaiah's words, "Send me."

But readiness is perishable — you buy it and pay for it every day. So keep that across-wing talk going; no man (wing) is an island.

The nation depends on each of you. Keep pitchin'!

# Enlisted line...

## Do our younger sergeants appreciate PME?

By CMSgt. George Horn

AWS Senior Enlisted Advisor

Not too long ago, I offered this forum to our wing senior enlisted advisors with the thoughts that (a) they had important things to say, (b) they should have the chance to say them to the entire Air Weather Service enlisted force and (c) it gets me out of writing a column.

Seriously, your wing advisors do have some heavy messages that need to be read by every enlisted man and woman in AWS. This column, by CMSgt. Dick Williamson at 1st Weather Wing carries one of those messages.

As one who has been on both sides of the NCO Academy podium, Chief Williamson says it a whole lot better than I could. Chief, it's your stage...

When Chief Horn asked the wing enlisted advisors to "guest shot" an Enlisted Line, I wasn't sure what to write about. Recent events have given me a theme — the value of NCO Professional Military Education.

With the recent E-8 selections, the message was again loud and clear — because most people are rated "outstanding," PME often determines who gets

promoted. Any NCO who has been around long enough to be eligible for E-8 knows how the system works.

I sometimes wonder, though, if younger NCOs fully appreciate the real value of PME.

The 1st WW PME Selection Board recently met to pick a candidate for the NCO Academy and I was astounded to find that of 16 eligibles, 15 were non-volunteers!

I feel it's partly my fault that those 15 had not volunteered because, as their enlisted advisor, it's my job to make sure they understand the value of PME. I hope to rectify that with this article.

Because I taught at the Military Airlift Command NCO Academy-West for several years, I probably take the promotion advantage of in-residence PME graduates for granted, but my reasons are probably not what you're thinking.

These schools do not teach AFP 50-34, the PFE Study Guide. What they do teach is how to read, how to study, and how to take a test.

Because the average promotion fitness examination and skill knowledge test scores for 251XX's are in the 60s, it

should be obvious that there's a real advantage to be gained here. The better test takers become selectees.

Because NCOAs and NCO leadership schools don't teach specific test questions, but do teach now to read, study and take tests, you should want to go as soon as you're eligible. You'll learn (or improve on) these skills and start to use them to your advantage for the rest of your life.

Another important factor in the promotion picture is your potential. Promotions are, in fact, based on potential for future responsibility. Airman performance reports with high estimates of potential are often forwarded to wing commanders for wing and AWS command section endorsement.

The people with real potential for advancement are the self-starters; the people who are always looking for ways to increase their promotion potential. Taking advantage of every educational opportunity is one way you can increase yours.

But if your view of the Air Force, your job and your future is so limited that you don't see the value of PME, how can you expect your

leaders to push you for promotion? Just what is your potential to the Air Force?

In 1969, I attended the academy as a 13-year technical sergeant. I had spent those years in weather stations around the world, and to me, the whole Air Force consisted of weathermen and pilots.

What a surprise I got in school!!! I was the only weatherman among civil engineers, supply types, security policemen and personnel specialists.

The real learning of my academy experience came from neither books nor instructors (though they helped), but from my classmates. I was in a group with a total of more than 300 years Air Force experience!

I took advantage of that. I found I could learn from their past mistakes instead of having to learn from my own.

Participation was a way of life at the academy — just as it should be on the job or at home. I was put under the gun to plan, prepare and deliver speeches and briefings; lead group discussions; and contribute to class objectives.

If you are like I was, you'll leave your PME school feeling



CMSgt. Dick Williamson  
1st Weather Wing  
Senior Enlisted Advisor

better about your Air Force, your fellow NCO and, most of all, about yourself. Your self-confidence will be at an all-time high.

When I was graduated, I realized my initial attitudes had changed. The Air Force wasn't just weather guessers and aircrews. Other specialties had important knowledge and experience to contribute.

I gained a better appreciation of what the Air Force was all about — it's about people; and the in-residence academy experience gave me a better understanding of them.

Brig. Gen. A. J. Kaehn Jr.  
AWS Commander

SSgt. Jim Katzman  
Editor

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# 'Hurricane Hunters' notch two saves

by 1st Lt. Charles Sherburne

The evening of Aug. 7 was destined to be an exciting one for the crew of Gull 20, 53rd Weather Reconnaissance Squadron, Keesler AFB, Miss. They were to fly into Hurricane Allen — one of the greatest storms of all times.

On board the WC-130 aircraft was the basic crew of six, five trainees receiving storm experience, four news media people and a public affairs escort officer.

The carefully prepared mission was going as planned during the first penetration into the eye of Allen. Soon after, a radio call was received

from the Coast Guard asking for assistance in searching for a disabled ship.

Everyone was ready to assist, except for the fact that Allen was still there. Two more penetrations had to be made into Allen's heart and that meant at least six more hours.

The Coast Guard was told of Gull 20's storm requirements.

Shortly thereafter a call was received from Coast Guard Aircraft 1349 stating that the disabled ship had been located. Gull 20 had now been through the eye of Allen three times pinpointing its location and movement.

It was 1 a.m. Aug. 8. Time to go home.

About one hour out from Keesler a call came from Coast Guard aircraft 1349 requesting assistance. The crew was low on fuel and had to leave soon.

Another aircraft and rescue ship had been dispatched to the scene, but they were still two and one-half hours away.

On the dark rough sea below was a partially damaged 36-foot sailboat "The Perigrino," with two persons on board.

A two and one-half hour period without visual contact on the ship would mean that rescue efforts could be delayed until daylight. That could spell disaster for the occupants of the disabled craft.

The Gull 20 crew changed course and headed for the disabled ship. This was accomplished by "homing-in" on the Coast Guard aircraft.

At the scene, the disabled ship was marked by a flare in the water and a flashing beacon. Almost immediately the marker flare burned out, leaving only the flashing beacon to identify the ship.

For the next one and one-half hours visual contact was maintained with the ship by orbiting above it at 5,000 feet. The crew felt they couldn't render any aid other than moral support for those on the ship below.

The weather became

gradually worse and at one point a photographer's telephoto lens was used to maintain contact with the ship.

Coast Guard aircraft 5785 arrived and stated that the rescue ship would be there shortly and that the save was assured. Gull 20 finally landed at Keesler to end a 12 and one-half hour mission. The crew was very tired but satisfied.

Not only had they provided vital information to the National Hurricane Center on Hurricane Allen, but somewhere there were two happy people alive and well due in part to aid rendered by the 53rd WRS "Hurricane Hunters."

## Storm duty spread across two oceans

by 1st Lt. Jim Jackson

Typhoon season opened for the "Hurricane Hunters" July 28 when the first crew and aircraft deployed to Andersen AFB, Guam. Aircraft and crews will continue to rotate to the Pacific until the end of the typhoon season in November.

Having the Air Force Reserve's 920th Weather Reconnaissance Group at Keesler AFB to share storm reconnaissance responsibility in the Atlantic and Caribbean enables the "Hurricane Hunters" to meet worldwide reconnaissance requirements. One such requirement is the support of their sister squadron, the 54th Weather Reconnaissance Squadron (WRS) Typhoon Chasers, at Andersen AFB during the busy portion of the Pacific typhoon season. With only six aircraft assigned, the 54th WRS is incapable of meeting all Pacific tropical cyclone reconnaissance requirements without help from the Hurricane Hunters.

While hurricanes and typhoons are essentially the

same phenomenon, differences do exist. Most hurricanes, for example, travel only a few hundred miles from the time they form until they strike land; typhoons typically travel several thousand miles striking mostly islands until dissipating over the Asian mainland. Owing largely to differences in spawning ground conditions, typhoons develop more frequently and become more intense. While hurricanes the magnitude of Camille or Frederic are rare, typhoons of such intensity are relatively common. Guam was struck by two typhoons, June in 1975 and Pamela in 1976, that exceeded the intensity of Hurricane Camille.

With reconnaissance commitments in both the Atlantic and Pacific and participation in a major Allied exercise in Europe, 53WRS assets (including Det 5, AWS Aerial Reconnaissance Weather Officers and Drop-sonde System Operators) will be simultaneously operating over 16,000 miles.

## Personnel shorts... Did you know that:

\*Metal stripes on the lightweight blue jacket will continue to be optional? If cloth stripes are worn, they're 4-inch for men, 3-inch for women.

\*The Air Force Aid Society is accepting student loan applications for the 1980/81 school year? See your Air Force Aid Society for details.

\*People on PCS orders can get copies of current real estate listing at their new base by writing or calling the Housing Referral Office there? (AFNS, 10 Jul 80)

\*Airmen who want to start

January college classes through the AFROTC Airman Early Release Program should apply now? See your Education Office for details, or call the AFROTC Office of Public Affairs at Maxwell, AUTOVON: 875-2825. (AFNS, 10 Jul 80)

\*Those who directly supported the Cuban Refugee Resettlement operation that began 27 April 80 beyond normal duties are eligible for Award of the Humanitarian Service Medal? (AFNS, 10 Jul 80)

\*Beginning 14 Oct. Squadron

Officer School will be cut from 11 weeks to eight and one-half? There will now be five classes a year instead of four, and the shorter SOS will no longer incur a one-year duty commitment.

\*USAF commissaries redeemed more than \$4.7 million worth of food stamps in FY 79? (Sergeants, Aug 80)

\*The 3rd Weather Squadron at Shaw AFB is the oldest AWS squadron, having been activated 1 July 1937 at Barksdale AFB, La?

\*The olive-green undershirt is not, so far as the USAF is

concerned, a mandatory wear item? It may be worn with the subdued utility uniform, but at the individual's expense. Despite what you may have heard or read, USAF will not pay a supplemental allowance, nor will the OG shirts be provided through TA 016 issue.

\*Our annual forecaster school quota has been upped from 240 to 290?

\*The new AFR 35-10 (18 July 1980) contains some important changes? We suggest taking a few minutes out for a quick review.

\*IMC 80-2 to AFR 35-62

authorizes up to seven days permissive TDY for house-hunting at your next duty station?

\*AFSC 251XX stays on the SRB list at Multiple One in both Zone "A" and "B" for FY 81?

\*Your Air Force was 33 years old on Sept. 18? That was the date in 1947 that the first AF Secretary, Stuart Symington, was sworn in.

\*A \$300 million construction program will provide 37 new commissaries and renovate 100 others in the next five years?

### TEXAS A&M UNIVERSITY

#### COLLEGE OF GEOSCIENCES

COLLEGE STATION, TEXAS 77843

Reply to

Department of  
METEOROLOGY

Telephone (713) 845-6011

September 8, 1980

Brigadier General Albert J. Kaehn, Jr.  
Commander, Air Weather Service (MAC)  
Department of the Air Force  
Scott Air Force Base, Illinois 62225

Dear General Kaehn:

I would like to take this opportunity to express my deep appreciation for the recognition accorded me on the occasion of my retirement from academia by you and the Air Weather Service. Your letter of 19 March 1980 was extremely gratifying to one who served in the precursor organization to Air Weather Service from 1941 (Private) to 1945 (Master Sergeant). Perhaps it was that service that explains my motivation during the ensuing years at Penn State, Texas, and Texas A&M. Accordingly, you will understand my pride on receiving the handsome plaque that acknowledges the fruits of my loyalty. I was indebted to the old Army Air Forces weather service for instilling in me a love for meteorology; I have tried to repay that debt. Please extend my thanks to all the men and women of Air Weather Service.

Sincerely,

*Vance Moyer*

Vance Moyer  
Professor Emeritus

# AWS Salutes...



**SQUADRON FLAG** — Big. Gen. Albert J. Kaehn Jr., Air Weather Service commander, presents the 28th Weather Squadron flag to Lt. Col. Arthur L.

Boright, 28th WS commander. The 28th WS was reactivated 1 July 1980. TSgt. Gary E. Wicklund is the flag bearer. (U.S. Air Force Photo)

## Medals

**Defense Meritorious Service Medal:** Lt. Col. Mikel W. Cohick, Det. 6, 2nd WW, Vaihingen, Germany.

**Legion of Merit:** Col. Robert W. Gossett, Jr., 1st WW, Hickam AFB, Hawaii.

**Meritorious Service Medal:** Lt. Col. Clifford U. Hendricks, Jr., Det. 1, 15th WS, Andrews AFB, Md.; MSgt. Roy G. Metcalf, Det. 1, 7th WS, Feucht AAF, Germany; Capt. Robert E. McPeck, Det. 7, 9th WS, March AFB, Calif.; Lt. Col. Thomas P. Incrocci (2nd OLC) Det. 17, 30th WS, Yokota AB, Japan; Lt. Col. John T. Anthony, Det. 30, 2nd WS, Vandenberg AFB, Calif.; Lt. Col. James W. Santor (1st OLC) HQ AWS; Capt. John Sanders (1st OLC) Det. 11, 24th WS, Reese AFB, Texas; Lt. Col. George T. Matteson USAFETAC.

**Joint Service Commendation Medal:** TSgt. Michael J. Grimes, Det. 6, 2nd WW, Vaihingen, Germany.

**Air Force Commendation Medal:** SSgt. Herbert D. Jordan (1st OLC) Det. 6, 2nd WW, Vaihingen, Germany; Sgt. Robin Post, Det. 11, 24th WS, Reese AFB, Texas; SSgt. Melody L. Higdon, Det. 22, 24th WS, Keesler AFB, Miss.; MSgt. Bruce W. Fegley (2nd OLC) Det. 1, 24th WS, Randolph AFB, Texas; TSgt. Jerry Kaminaga (2nd OLC) Det. 17, 30th WS, Yokota AB, Japan; TSgt. Charles J. Zuber (3rd OLC) USAFETAC; Capt. John E. Oleyar (1st OLC) 5th WW, Langley AFB, Va.; SrA. Robert Fitzhenry, Det. 14, 26th WS, Blytheville AFB, Ark.; 1st Lt. Kathleen T. Koch and Sgt. Robert W. Troastle, Det. 13, 25th WS, Davis-Monthan AFB, Ariz.

**Army Commendation Medal:** Sgt. Darryl K. Roth, Det. 1, 7th WS, Feucht AAF, Germany; Maj. Michael G. Olivier, 30th WS, Yongsan, Korea.

## Promotions

**To lieutenant colonel:** Carl A. Dobrot, Det. 25, 5th WW, Howard AFB, Panama; Edward A. Town, Det. 5, 1st WW, Clark AB, PI; John T. Anthony, Det. 30, 2nd WS, Vandenberg AFB, Calif.

**To captain:** Carmen I. Hopun, Det. 25, 5th WW, Howard AFB, Panama.

**To first lieutenant:** John B. Kirkpatrick, Det. 30, 2nd WS, Vandenberg AFB, Calif.; Martha A. Conner, Det. 20 31st WS, Sembach AB, Germany; Stephen M. Harcourt, Nenita M. Vinuya and Viktor Surin, Det. 7, 9th WS, March AFB, Calif.; Cecilia A. Askue, 1st WW, Hickam AFB, Hawaii.

**To master sergeant:** Charles P. Milliken, Det. 11, 24th WS, Reese AFB, Texas; Billy W. Brown, Det. 20, 17 WS, Little Rock AFB, Ark.; Jeffrey Host, Det. 25, 5th WW, Howard AFB, Panama.

**To technical sergeant:** John M. Hahn, Det. 1, 9th WS, Offutt AFB, Nebr.; George Frew, Det. 4, 28th WS, RAF Bentwaters, UK; Gregory W. Calkins and Charles P. Gibbs, Det. 1, 15th WS, Andrews AFB, Wash., DC; Charles J. F. Potter Jr., Det. 2, 31st WS, Ramstein AB, Germany; Stephen L. Gross, Det. 5, 5th WS, Fort Knox, Ky.; Anthony J. Baltz, Det. 25, 5th WW, Howard AFB, Panama.

**To staff sergeant:** Clinton R. Perry, Det. 1, 9th WS, Offutt AFB, Neb.; Dale L. Burke, Det. 5, 5th WS, Fort Knox, Ky.; William M. Koger, Jr., Det. 22, 24th WS, Keesler AFB, Miss.; Vincent Adams, Det. 75, 3rd WS, Hurlburt Field, Fla.; Ronald D. Hastings, Det. 8, 30th WS, Kadena AB, Japan; Ross McIntosh, Det. 31, 15th WS, Dobbins AFB, Ga. Michael R. Gottschall, Det. 1, 15th WS, Andrews AFB, Md.; Garry R. Emerson, Det. 23, 17th WS, Kirtland AFB, N.M.;

Steve Bailey and John Finney, Det. 58, 5th WS, Fort Carson, Colo.; Penny M. Heinen and Dave P. Rice, Det. 15, 15th WS, Wright-Patterson AFB, Ohio; James C. Campbell, Det. 13, 25th WS, Davis-Monthan AFB, Ariz.

**To sergeant:** Mark S. Kaufman, Det. 8, 30th WS, Kadena AB, Japan; Michael Ellison, Det. 18, 25th WS, Mountain Home AFB, Idaho; Gerrit J. Duk, Det. 5, 1st WW, Clark AB, PI; Reynold Thomas, Det. 11, 24th WS, Reese AFB, Texas; Jerry Schilling and Timothy Stanton, Det. 1, 9th WS, Offutt AFB, Neb.; David M. Cooper, Det. 7, 9th WS, March AFB, Calif.; Jeffrey W. Synnett, Det. 7, 1st WW, Wheeler AFB, Hawaii; Chris Miller, Det. 27, 12th WS, Hancock Field, N.Y.

**To senior airman:** Roderick C. Wilson, Det. 1, 15th WS, Andrews AFB, Md.; Robert Bell, Det. 17, 30th WS, Yokota AB, Japan; Elizabeth A. Evans, Det. 8, 30th WS, Kadena AB, Japan; Robert W. Smith and Douglas R. Larson, Det. 7, 1st WW, Wheeler AFB, Hawaii; Joe N. Chrisman and Paul D. Reynolds, Det. 5, 1st WW, Clark AB, PI; Michael O. Kimsey, Det. 11, 24th WS, Reese AFB, Texas; Steven M. LaThorpe, Det. 4, 28th WS, RAF Bentwaters, UK.

**To airman first class:** Carlos Agurto, Det. 30, 2nd WS, Vandenberg AFB, Calif.; Mark A. Seigel, Det. 7, 9th WS, March AFB, Calif.; David Haines and Larry James, Det. 11, 24th WS, Reese AFB, Texas; David R. Helms and Bryan R. Hamilton, Det. 5, 15th WS, Dover AFB, Del.; Leo Wagner Jr., Det. 20, 26th WS, Barksdale AFB, La.; Steven Robertson, Det. 27, 12th WS, Hancock Field, N.Y.; Stephen M. Bilodeau, Det. 6, 3rd WS, Homestead AFB, Fla.; Randy Alden, Det. 58, 5th WS, Fort Carson, Colo.

**To airman:** Michael Arrington, Det. 30, 2nd WS, Vandenberg AFB, Calif.; Lisa K. Brion, Det. 7, 9th WS, March AFB, Calif.; Dana A. Miller, Det. 18, 25th WS, Mountain Home AFB, Idaho; Donna J. Carey, 1st WW, Hickam AFB, Hawaii.

## Unit honors

**Junior Officer of the Quarter:** 2nd Lt. Timothy D. Halderman, Det. 20, 17th WS, Little Rock AFB, Ark.;

**NCO of the Quarter:** For 1st WW, SSgt. Martin L. Torres, Det. 7, 1st WW, Wheeler AFB, Hawaii; SSgt. John B. Scarbrough, Det. 8, 30th WS, Kadena AB, Japan; SSgt. James Milton, Det. 20, 17th WS, Little Rock AFB, Ark.; SSgt. James B. Bennett, Det. 9, 5th WS, Fort Rucker, Ala.; TSgt. Edward Krautsdorfer, Det. 6, 17th WS, Hill AFB, Utah; For 30th WS, TSgt. Gary R. Emmons, Det. 10, 30th WS, Kunsan AB, Korea.

**Team of the Quarter:** SSgt. Doug Presley and SrA James Robinett, Jr., Det. 14, 26th WS, Blytheville AFB, Ark.

**Observer of the Quarter:** SrA. James Robinett, Jr., Det. 14, 26th WS, Blytheville AFB, Ark.

**Airman of the Quarter:** A1C Stephen F. Odenweller, Det. 9, 5th WS, Fort Rucker, Ala.; A1C David L. Rivera, Det. 8, 30th WS, Kadena AB Japan and Kadena AMC Airman of the Quarter; SrA. William M. Russell, 1st WW Hickam AFB, Hawaii, A1C Richard A. Witham, Det. 20, 17th WS, Little Rock AFB, Ark.

## Education

Capt. Frank B. Holt, USAFETAC, graduated from the MAC Airlift Operations School.

Capt. Kenneth Parsons, HQ 2nd WW, Kapaun AS, Germany, received a Masters of Science degree in Management from the European Branch of Troy State University.

SSgt. Benny S. Leal, Det. 1, 24th WS, Randolph AFB, Texas, graduated from NCO Leadership School.

A1C Gary L. Helton, Det. 15, 15th WS, Wright-Patterson AFB, Ohio, was honor graduate from Weather Observer School at Chanute AFB, Ill.

Sgt. Peter R. Haack, Det. 8, 26th WS, Griffiss AFB, NY, was honor graduate from the Weather Specialist course at Chanute AFB, Ill.

SSgt. Ronald J. Phillips, Det. 41, 12th WS, Fort Lee

(Continued on Page 5)

# AWS salutes...

(Continued from Page 4)

AFS, Va., was accepted to Officer Training School. He has a degree in Psychology and will be going into missile maintenance.

SSgt. Daniel M. Deal, Det 18, 25th WS, Mountain Home AFB, Idaho, graduated from forecasting school.

SSgt. Patrick K. Rugg, Det. 5, 1st WW, Clark AB, PI, associate degree of applied science, Community College of the Air Force.

SSgt. Robert L. Uland, Det. 5, 1st WW, Clark AB, PI, associate degree in business, Los Angeles Community College.

SSgt. Marsha J. Krell, Det. 13, 25th WS, Davis-Monthan AFB, Ariz., was selected from OTS.

SSgt. Penny M. Heinen, Det 15, 15th WS, Wright-Patterson AFB, Ohio, was presented a trophy by Gen. Robert E. Huyser, commander in chief, Military Airlift Command, for being an honor graduate from the 10th Anniversary Class of the 21st AF NCO Leadership School, Dover AFB, Del.

SSgt. Stephen L. Murphy, Det. 6, 5th WS, Fort Lewis, Wash., won the Commandant's Award at the 22nd AF NCO Leadership School, Norton AFB, Calif.

SSgt. Wyatt N.D. Preusch, Det. 58, 5th WS, Fort Carson, Colo., was the honor graduate of 22nd AF NCO Leadership School, class 80-5, Norton AFB, Calif.

Four sergeants from Det. 2, 3rd WS, Seymour-Johnson AFB, N.C. graduated from Seymour-Johnson AFB NCO Leadership School with awards. They are: SSgt. Daniel E. Carter, academic award; SSgt. Donald E. Terhaar, commandant award; SSgt. Lawrence C. Harper, distinguished graduate and world affairs award; and SSgt. Craig A. Lewis, academic award and world affairs award.

TSgt. Reno A. Lane, Det. 7, 1st WW, Wheeler AFB, Hawaii, graduated distinguished graduate from PACAF NCO Academy.

Sgt. Robert W. Troastle, Det 13, 25th WS, Davis-

Monthan AFB, Ariz., honor graduate, forecasters School.

Det. 1, 24th WS, Randolph AFB, Texas, received the 5th Weather Wing Commander's Award for being the best forecasting unit in the 24th Weather Squadron. This award is a coveted prize for the Randolph weathermen, who competed with nine other AWS units in the 24th WS.

## Births

July: 1st Lt. and Mrs. Mark Des Rosiers, HQ 1st WW, Hickam AFB, Hawaii, a daughter, Erin Elizabeth.

A1C and Mrs. Andrew J. Miracle, a son, Christopher John. Father is the administration specialist at Det. 58, 5th WS, Fort Carson, Colo.

SrA and Mrs. Steven O. Dawson, Det. 6, 5th WS, Fort Lewis, Wash., a son, Jared Owen.

June: Capt. and Mrs. Alfonse J. Mazurowski, a daughter, Cheryl Lynn. Father is staff meteorologist at Det. 30, 2nd WS, Vandenberg AFB, Calif.; 1st Lt. John A. Daseler, Det. 41, 12th WS, Fort Lee AFS, Va., a son, Benjamin Mathers.

SSgt. and Mrs. Herbert D. Jordan, a girl, Maria Lee. Father is assigned to Det. 6, 2nd WW, Vaihingen, Germany.

## Civilian honors

Arthur B. Gallegos, Det. 7, 9th WS, March AFB, Calif., received a Sustained Superior Performance Award / \$250 monetary award.

M. Priscilla Cooley, Det. 7, 9th WS, March AFB, Calif., received an Outstanding Performance Award with Quality Step Increase. She also was nominated for Outstanding Air Force Executive Support Employee.

# Air Force has new terminal

Air Force program managers from Space Division recently accepted the prototype of a new series of transportable weather terminals.

The terminal will be one of four mobile ground terminals dubbed Mark IV, which can be deployed worldwide to receive and process data from orbiting Defense Meteorological Satellite Program and National Oceanic and Atmospheric Administration weather satellites.

DMSP satellites, carrying meteorological sensors, scan the entire earth twice daily to provide timely weather information to military users.

The Mark IV system will gather visual and infrared data from both the DMSP and NOAA TIROS-N weather satellites, and, in turn, provide that information to key decision makers.

Weather information is also provided to the civilian community.

The Mark IV incorporates several revolutionary changes in its design and function.

Whereas older Mark III models were housed in semi-trailers, Mark IV's new shelter is the standard International Shipping Organization shelter. It can be transported anywhere by rail, air or ship, or it can be rigged with wheels and tractor-trailered.

Mark IV's unit includes a 10-foot parabolic antenna that folds and is stored in the Mark IV van, the van itself which houses the data processing equipment, and a separate auxiliary power generator or its own trailer.

The entire Mark IV unit weighs less than 25,000 pounds. Mark III weighed 32,000 pounds, not including the two separate generators needed to power it.

The same team of six needed to assemble Mark III in 11 hours, can have the Mark IV ready for operation in just four hours.

The Mark IV system automatically corrects, enhances, grids and annotates both hard and soft copies of weather data transmitted from orbiting satellites.

The data can be retransmitted simultaneously to four different receivers 10 miles away in less than 20 minutes using a new laser transmitter-receiver system called the tactical imagery dissemination system.

Hard copies of the weather data are available within two minutes of a satellite pass, a savings of three minutes from Mark III terminals. Soft copy, or television picture imagery, is not available in the Mark III.

One Mark IV will be located at RAF Croughton, England, another at MacDill AFB, Fla., the third at Clark AB, the Philippines.

The fourth Mark IV will be located at McClellan AFB, Calif., and used to support maintenance and training activities. All four terminals will be operational by May 1981.

The Mark IV was built for Space Division by the Government Systems Group of Harris Corporation. Space Division is responsible for managing the development of Department of Defense satellites and their related ground and support equipment for military application.



**REENLISTMENT** — Brig. Gen. Albert J. Kaehn Jr., commander, Air Weather Service, on his recent visit to RAF Upper Heyford, UK., swears in TSgt. Michael X. Whitman, NCOIC of

Weather Maintenance. Sergeant Whitman is responsible for all the weather equipment used by Det. 17, 28th Weather Squadron at Upper Heyford. (U.S. Air Force photo)

**Homeward  
Bond**



# Chief Horn tells promotion criteria

by CMSgt. George Horn  
AWS Senior Enlisted Advisor

As could have been expected, SKT and PFE scores figured heavily in this year's 251XX promotions to technical and master sergeant selections. Staff sergeant hopefuls were SKT-exempt. Here's the way statistics looked for each grade:

Test scores, as usual, were key to selection for E-7 and E-6 (E-5 hopefuls were SKT-exempt in this cycle and will be in the one to come). The large number of points possible (200) makes SKT and PFE results important. These are the only selection factors over which one can exercise direct control and which can be improved from one cycle to the next.

The recent change in the

way weather E-4s are considered for promotion to E-5 had the desired effect in this cycle. With all 251XX E-4s considered as one group rather than as forecasters (25150A) and observers (25150), the forecasters fared much better than they had in the past.

Previous holders of the "A" suffix were promoted at a 52.5% rate, while E-4s who were not forecaster-qualified were selected at a 9.4% rate. The large difference here was because a large number of 25150As, previously handicapped by their "separate and smaller" group status, now had enough time-in-grade and time-in-service to make the cutoff easily.

The next E-4 to E-5 cycle, also SKT-exempt, will probably also be weighted to forecaster-qualified E-4s,

although not quite as drastically.

Two cycles down the road all 25150 E-4s will take a common SKT and will continue to be considered for promotion as a single group.

This should result in equal promotion opportunity, but realistically, E-4s who take active part in the forecaster

preparation program will probably have the edge on those who do not.

And this, of course, fits the pattern of the "single career ladder" and its intent, which is to produce as many people qualified as both observer and forecaster as early in their careers as possible.

(Abbreviations are TIG — time in grade; TIS — time in service; SKT — skill knowledge test; PFE — promotion fitness examination; APR — airman performance report; DEC — decorations; ELIG — eligible; SEL — selected; % — percent.)

| To master sergeant |        |        | To technical sergeant |        |        | To staff sergeant |        |        |
|--------------------|--------|--------|-----------------------|--------|--------|-------------------|--------|--------|
|                    | USAF   | 251XX  |                       | USAF   | 251XX  |                   | USAF   | 251XX  |
| TIG                | 4.23   | 4.32   | TIG                   | 6.52   | 6.77   | TIG               | 2.62   | 3.50   |
| TIS                | 16.50  | 15.94  | TIS                   | 12.00  | 11.79  | TIS               | 5.27   | 6.08   |
| SKT                | 68.27  | 67.35  | SKT                   | 63.54  | 66.11  | SKT               | 59.97  | Exempt |
| PFE                | 68.73  | 71.91  | PFE                   | 65.27  | 66.94  | PFE               | 61.76  | 66.09  |
| APR                | 134.23 | 133.68 | APR                   | 133.01 | 133.20 | APR               | 131.27 | 130.21 |
| DEC                | 6      | 6      | DEC                   | 3      | 3      | DEC               | 1      | 1      |
| ELIG               | 25,278 | 172    | ELIG                  | 62,399 | 346    | ELIG              | 67,073 | 545    |
| SEL                | 15,627 | 66     | SEL                   | 13,359 | 74     | SEL               | 13,276 | 108    |
| %                  | 38     | 38     | %                     | 21     | 21     | %                 | 20     | 20     |

## Gottuso assumes 3rd WW command

Col. Robert M. Gottuso assumed command of the 3rd Weather Wing in ceremonies held in July.

He succeeded Col. Alfred Molla Jr., who has been reassigned to the Pentagon's Office of Federal Coordination for Meteorology in Washington.

From July 1979 to July 1980, Colonel Gottuso was vice commander of Air Force Global Weather Central, Offutt AFB, Neb.

Colonel Gottuso was born in Utica, N.Y. April 15, 1930. He was graduated from Utica Free Academy in 1947 and received his bachelor of science degree in 1951 and master of arts in 1952 from

Syracuse University, Syracuse, N.Y.

Beginning his military career in 1952, he received a direct commission in the Air Force Reserve. He studied graduate meteorology at the Pennsylvania State University through an Air Force Institute of Technology program.

Colonel Gottuso's first assignment was supporting tactical reconnaissance aircraft as detachment forecaster in Korea in 1954.

From January 1955 to June 1958, he supported Air Defense Central Center Operations at Stewart AFB, N.Y., and Andrews AFB, Md.

Colonel Gottuso was integrated into the Regular Air

Force in 1958. He has completed Squadron Officer School and the Industrial College of the Armed Forces.

Upon completing his master's degree program in meteorology at the Massachusetts Institute of Technology, Colonel Gottuso served as staff meteorologist to the Aeronautical Systems Division, Wright-Patterson AFB, Ohio from June 1960 to December 1964.

From there he went to the 1st Weather Wing, Hickam AFB, Hawaii where he served in several technical positions until June 1968.

Colonel Gottuso left Hickam for 3rd Weather Wing where he was the Plans Officer. He then

served as the Executive Officer for the Director of Weather, Deputy Chief of Staff for Operations, Headquarters Strategic Air Command.

From April 1973 to January 1976, he commanded the United States Air Force Environmental Technical Applications Center. He moved the center from Washington D.C. to Scott AFB, Ill. in 1975.

In February 1976, he was assigned to Headquarters, Air Weather Service at Scott AFB, Ill., as deputy chief of staff for aerospace sciences.

His decorations and awards include the Meritorious Service Medal, the Air Force Commendation Medal, and the Air Force Outstanding Unit Award.



Col. Robert M. Gottuso

## Observatory earns honors

Det. 4, 3rd Weather Wing, Holloman Solar Observatory, N.M., recently received several prestigious Air Weather Service and 3rd WW awards.

The observatory received the AWS Moorman Award and 3rd WW Specialized Unit Award for providing the most outstanding technical support, other than a base weather station, in 1979.

One of four such observatories in the world, Holloman provides real-time warnings of solar events using the new AN-FMQ solar optical telescope.

In addition, the facility was recognized by AWS and 3rd WW for providing continuous astrophysical and system analyst support to other solar observatories.

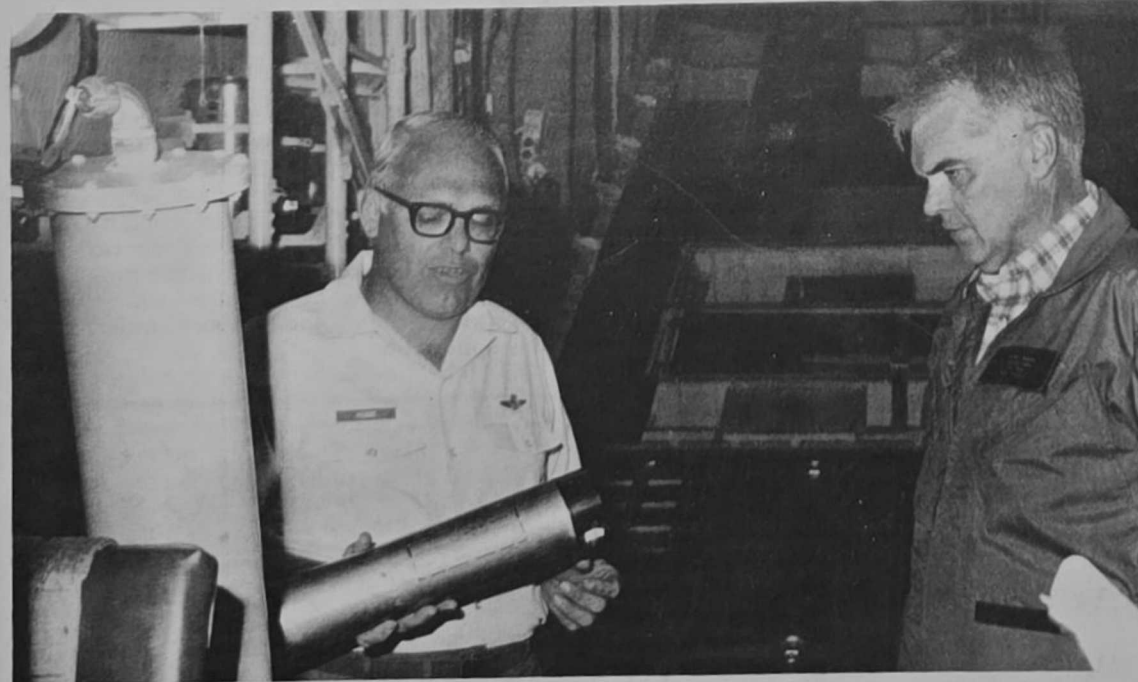
Capt. Marcus D. Bailey and Gerard D. Wittman, systems

analysts at the observatory, received the Merewether Award and 3rd WW Meteorology Award for making the most significant technical contribution to military meteorology in 1979.

SMSgt. Arnold U. Starr, chief solar observing optical network astrophysical analyst, received a 3rd WW support award.

He was commended for expertise in solar physics, optics, photographic procedures, telescope components, operational procedures and communication data codes.

Col. Alfred G. Molla, 3rd WW commander, presented SMSgt. James C. Nutt, 1877th Communications Squadron, Holloman, an engraved plaque from 3rd WW for his unit's outstanding support of the solar network's people.



VIP BRIEFING — MSgt. Leo Hume, Det. 4, Air Weather Service, Andersen AFB, Guam, shows Secretary of the Air Force Dr. Hans Mark the dropsonde equipment used on storm missions. Sergeant Hume briefed Secretary Mark on all Det. 4 activities. (U.S. Air Force photo)

# Weather men jump alongside Army

It was Air Weather Service people alongside the Army in the air and on the ground in Dragon Team 4-80, the largest mass tactical air assault since World War II.

The exercise held July 8 at Eglin AFB, Fla., involved 10 members of Det. 3, 5th Weather Squadron, Fort Bragg, N.C. They demonstrated their ability to deploy with the Army unit they support.

Dragon Team concentrated on the XVIII Airborne Corps and 82nd Airborne Division, both at Fort Bragg, as they performed a large-scale tactical parachute assault.

It involved 2,300 paratroopers jumping into Drop Zone B-70 on the Eglin AFB reservation.

Twenty Military Airlift Command C-141s were used to deliver the jumpers over the drop zone in one pass while three other C-141s dropped heavy equipment.

Tactical Air Command F-4s and A-10s provided drop zone preparation, fighter protection and close air support.

Weather support for Dragon Team began several days before the jumps when 21st Air Force's weather support unit sent a support assistance request to Air Force Global

Weather Central, Offutt AFB, Neb.

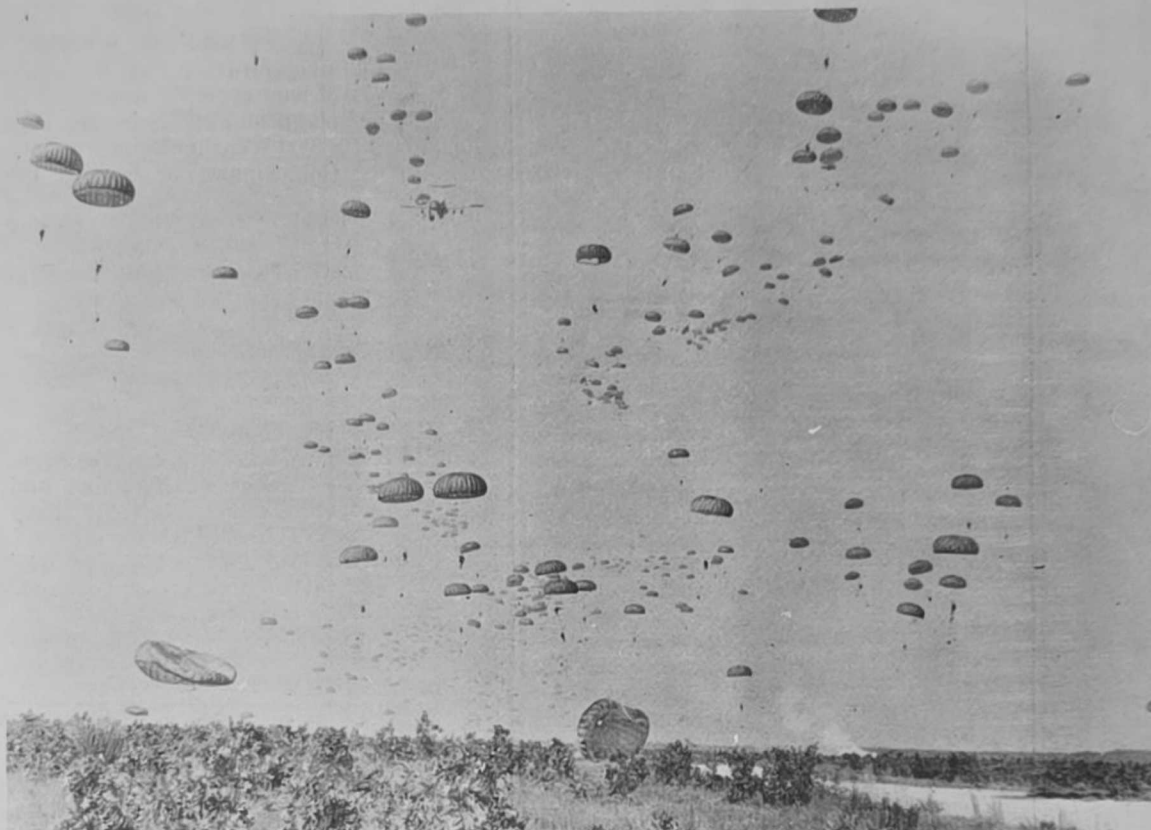
The AFGWC mission planning forecast was used by the XVIII Airborne Corps staff officer to present the alert notification briefing the day before the exercise.

At 3 the next morning, the XVIII Airborne Corps squadron weather officer supporting the Army units and wing weather officer from Det. 21, 15th WS, Pope AFB, N.C., joined to use the mission control forecast.

This advised the Army and Air Force commanders of drop zone weather conditions at the present time and what to expect when the drops were performed.

Army weather support continued on the ground after the airborne operation. The XVIII Airborne Corps weather briefer and 82nd Airborne Division weather team participated in three days of field training on the Eglin reservation.

Det. 3 weather people who participated in Dragon Team are Capt. John A. White III, 1st Lt. Glenn R. Riegelmann, 2nd Lt. John R. Schneider, MSGT. Jimmy D. Munday, SSgt. Phillip G. Abel, SSgt. Douglas L. Martin, A1C Gordon H. Fesenger, SrA. William E. Fischer, A1C Paul DeGeorge



**WEATHERMEN IN THE AIR** — Somewhere in the crowd of humanity dropping from the sky during exercise Dragon Team are 10 members of Det.

3, 5th Weather Squadron. They joined their Army unit in the operation July 8 at Eglin AFB, Fla. (U.S. Army photo)

and A1C Mark D. Findley.

First Lt. John R. Conley

served as a safety on the lead H. Tackaberry, XVIII Airborne Corps commander.

## AWS sports roundup

# Cyclist wins his third straight title

SrA. Dennis Nappier, Det. 75, 3rd Weather Squadron, Hurlburt Field, Fla., won first place in the base motorcycle rodeo for the third year in a row.

One of 21 entrants, he won a new helmet and two jackets donated by two local motorcycle dealers.

### All-star player

Sgt. Raymond M. Herrea, Headquarters 2nd Weather Wing, Ramstein AB, Germany, was chosen first team all-star second baseman for the Continental Sports Conference slowpitch softball team and first team all-star second baseman for the Air Force throughout Europe.

He played for the Ramstein Rams team that won the conference title of Germany and the Air Force championship of Europe with a 26-1 record.

The sergeant is an administrative specialist for the 2nd WW.

### Runners for life

Four of the five members of

Det. 50, 2nd Weather Squadron, Los Angeles AFS, Calif., participated as a team in the Los Angeles AFS seventh annual Run for Your Life May 2.

The event is an 8.5-mile race with each team member running 2.5 miles. This year, 544 runners ranging in age from 18 to 62 participated in the race.

Det. 50's high level of participation helped it to a 22nd place finish out of 134 teams entered. They also came in fifth out of 22 groups in its age bracket.

Team members from Det. 50 are Capt. William R. Young, Capt. Jud Stailey, Lt. Col. Carl Dobrot and Lt. Col. Frederick J. Fowler.

### Bowling finalists

Keglers from Det. 9, 5th WS, Fort Rucker, Ala., were runners-up in the Fort Rucker Intramural Bowling League.

Led by strong finishing performances from SSgt. James Bennett and A1C Gary Montgomery, Det. 9 stormed from fourth place after the first two series of a four-series

rolloff to win their second place trophies.

Other team members are 1st Lt. Duane Mohr, TSgt. Mark Wheeler, TSgt. Robert Plude, Sgt. James Martin. Substitutes are Lt. Col. Clark Pinder, 1st Lt. Michael Jackowski, SSgt. Frank Lawson, Sgt. David Durette, A1C Greg Combs and Amn. Dennis Dryer.

### Card shark

2nd Lt. Peter G. Reynolds, Det. 23, 26th WS, McConnell AFB, Kan., won first place in the non-masters event of the Wichita, Kan., regional bridge tournament.

### Top swimmers

Capt. James Jones, Det. 3, Headquarters Air Weather Service, Sunnyvale AFS, Calif., coached the station swimming team to a first-place finish at a May 23 meet at Moffett Naval Air Station, Calif.

Captain Jones also placed third in the 200-meter freestyle and fourth in the 100-meter inter-medley.



**RODEO CHAMP** — SrA. Dennis Nappier, Det. 75, 3rd Weather Squadron, Hurlburt Field, Fla., is on his way to his third consecutive Motorcycle Rodeo win at the base. (U.S. Air Force photo by 1st Lt. Robert Morris)

# Det. 16 activates newest weather site

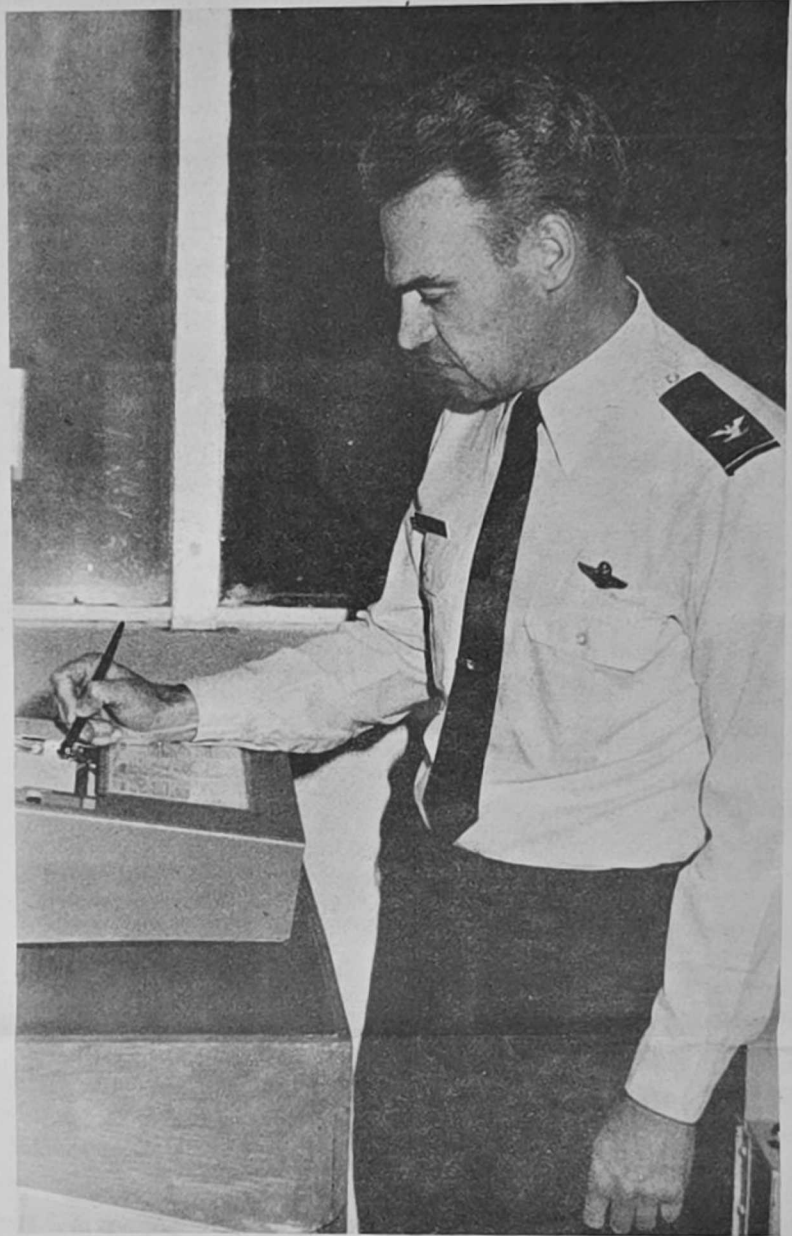
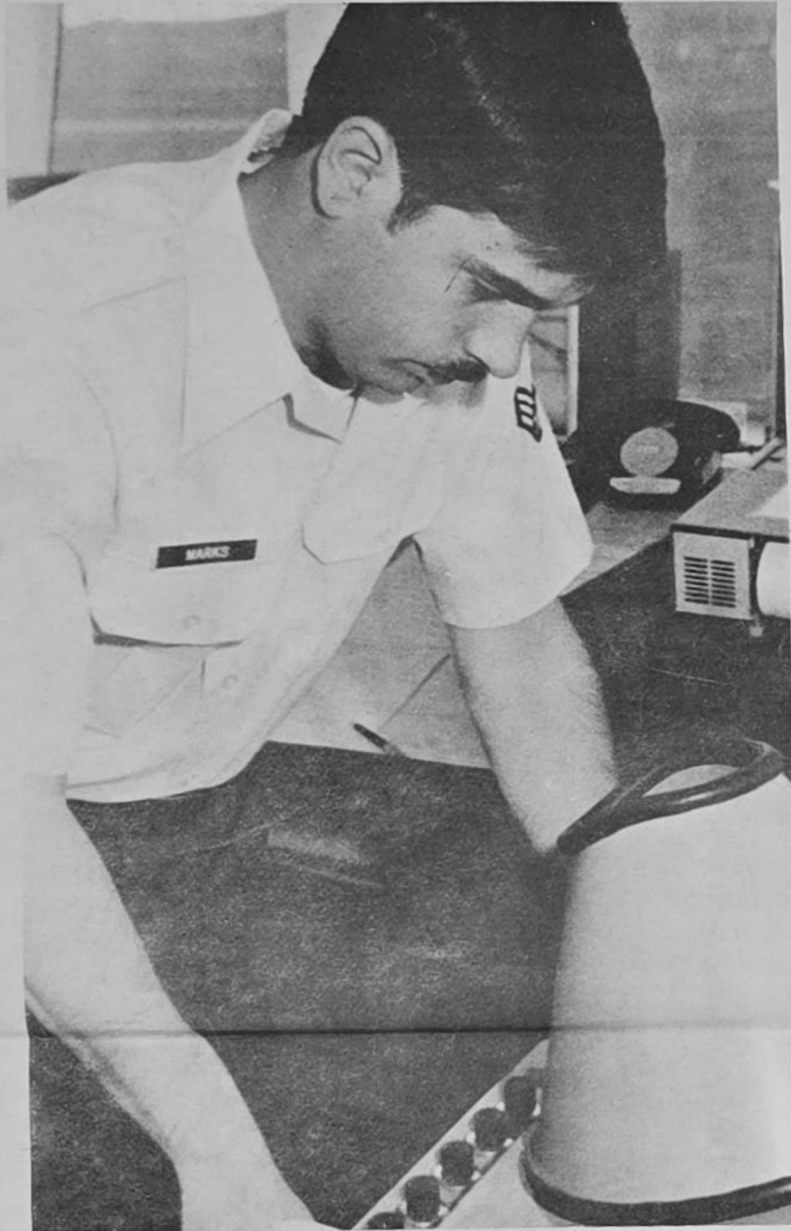
A USAF weather representative observation site was recently activated at Zaragoza AB, Spain, by Det. 16, 31st Weather Squadron.

Col. Richard W. Brown, the 31st WS commander, presided at the ribbon cutting ceremony and was assisted by Col. Richard M. Pascoe, Tactical Fighter Training, Wing 406th commander, and Maj. Nelson Arzola, Det. 16 commander.

The new ROS was activated on short notice with temporary duty observers from 2nd Weather Wing units to provide better customer support and for protection and flight safety operation of USAF resources.

In January 1980, five new observer spaces were permanently assigned to Det. 16 for 24-hour operation of the ROS.

**FIRST OBSERVATIONS** — Sgt. Dale L. Marks on temporary duty from Det. 8, 31st WS, Zweibrucken AB, Germany, prepares the first observation from the new Zaragoza ROS. Col. Richard M. Pascoe (right), 406th Tactical Fighter Training Wing commander, was designated the first Det. 16 honorary observer. (U.S. Air Force photos by SSgt. Don Wetterman)



For the second straight year

## Weathermen assist Global Shield '80

The Strategic Air Command went to "war" recently, and Air Weather Service's 3rd Weather Wing people were there to support the action.

All 3rd WW units and several organizations with SAC assets to support were involved in Global Shield '80 which was based on a SAC defense of the United States.

Staff and wing weather officers participated on SAC battle staffs around the country, briefed alert crews, provided weather metwatch to simulated airborne alert missions and lent forecasters and observers to the exercise.

Aircrews were given weather forecasts based strictly on what they would receive in a wartime environment. This included 36-hour wind prognosis, 24-hour significant weather charts and terminal forecast weather without updates.

Much of the weather in-

formation normally provided to crews for peacetime missions was withheld. As a result, an intense metwatch program was needed to protect aircraft and crews as they flew their simulated wartime sorties.

The SAC Weather Support Unit at Offutt AFB, Neb., also aided the exercise with its newly acquired GOES Satellite tap.

This helped SAC bombers pass through low-level routes by keeping the SAC commander in chief and his staff informed of thunderstorm buildup and movements.

Weather officials say the routes were effectively opened and closed to keep exercise delays due to weather to a minimum.

This was the second year in a row that SAC practiced its Global Shield exercise command-wide, rather than simply at one or two bases.



**BATTLE STAFF** — Maj. William H. Elmer (near right), squadron weather officer to the 3902nd ABW and Det. 1 commander, 9th Weather Squadron, Offutt

AFB, Neb., joins the battle staff during the run-through of Global Shield '80. (U.S. Air Force photo)