



AWS Observer

Vol. 32, No. 10

Headquarters Air Weather Service

NOVEMBER 1984



Improving capabilities

Col. Tommy D. Guest, DCS for Operations (left) and Col. Glen A. Ryan, DCS for Logistics, examine hand held anemometers that are part of AWS' productivity enhancement program. The enhancement program is designed to find

ways of getting better capabilities to the field. One hundred and ninety-five analog anemometers were purchased to replace Dwyer Wind Meters in belt weather kits and were distributed in early October.

Doppler technology is looking up!

by Dr. Dale Meyer

As AWS prepares to accept Automated Weather Distribution System, Next Generation Weather Radar, and new tactical support equipment, we, Air Weather Service, are exploring the possible application of emerging technologies to further enhance our basic and forecasting capabilities. This article introduces one such technology.

For the past several years, the National Oceanic and Atmospheric Administration's Wave Propagation Lab has been working on a new atmospheric remote sensing system. Called the WPL Profiler, the system is designed to produce continuous vertical profiles of winds, temperature and humidity of the troposphere and lower stratosphere from the ground up.

The primary module of the WPL Profiler is a vertically-pointing doppler radar. It was adapted from doppler radars developed by NOAA ionospheric scientists to study the stratosphere and mesosphere. This module, like the NEXRAD doppler radar, determines horizontal wind speeds by measuring the "Doppler" frequency shift. This shift is caused by the motion of air "parcels" along the directions of the radar beams (two beams yield reliable measurements of the horizontal wind speed and direction).

Unlike NEXRAD, which operates at a frequency near 3000 MHz (wavelength about 10cm) the WPL Profiler doppler radars operate at VHF and UHF frequencies (30 MHz to 1000 MHz; wavelengths of 10m to 30cm). The longer wavelengths permit the radar to "see through" clouds and most precipitation. Unfortunately, radars operating at these wavelengths also require bigger antennas. For example, the present NOAA VHF wind-profiling radar antenna, which consists of a large array of small antennas, measures 200m on a side! (Technology on the "drawing board" may make it possible to operate with much smaller antennas.)

The secondary module of the WPL Profiler consists of "passive" temperature and moisture sensing

"radiometers." These are similar to the sensors flown on meteorological satellites. The radiometers provide continuous vertical profiles of temperature and moisture by measuring the "downwelling," long-wave radiation from the stratosphere and troposphere. The development of the Profiler radiometers at the Wave Propagation Lab lags behind the wind profiler development by one or two years.

Nevertheless, the WPL Profiler temperature and moisture soundings are about as good as those currently provided by meteorological satellites. Both techniques produce soundings which have a smoothed appearance when compared to actual radiosonde ascents. Work is underway at NOAA's Wave Propagation Lab to "sharpen" the Profiler temperature soundings by using information from the wind WPL Profiler to infer heights of the tropopause and strong inversions.

The Wave Propagation Lab is also developing techniques to produce a composite temperature sounding from WPL Profiler and meteorological satellite radiometer measurements. These techniques take advantage of the unique capabilities of each sounding system; the satellite data are most accurate in the stratosphere and upper troposphere while the WPL Profiler data have their best resolution near the surface.

An Interdepartmental Committee for Meteorological Services and Supporting Research study group recently completed a review of the WPL Profiler system. Their report was very upbeat about the potential benefits of wind profiling radars to synoptic and mesoscale applications. As a result of the review, the Committee has established a permanent working group to coordinate the national development and implementation of surface-based wind profiling systems.

The group will also monitor ongoing research efforts to improve temperature and humidity profilers. Their ultimate goal is to develop the design for a national network of Profilers.

News briefs

Observer wins

The AWS Observer is the Best Funded Command Newspaper in the Military Airlift Command for 1984.

Entries in the MAC print media competition were judged by a panel consisting of Col. James Abbee, mobilization augmentee to the director of MAC Public Affairs; Harry Levins, managing editor and writing coach for the "St. Louis Post-Dispatch"; Kathy O'Del, staff writer for the "St. Louis Globe-Democrat"; and Nora Baker, journalism professor at Southern Illinois University at Edwardsville.

Military Airlift Command winners next compete against other major air command winners in Air Force-wide competition.

Library expands

A mid-October ceremony marked the formal start of a \$189,000 project to expand the facilities of the Air Weather Service Technical Library, a branch of the U.S. Air Force Environmental Technical Applications Center, Scott AFB, Ill.

The Technical Library provides reference and library services to Air Weather Service units worldwide. Its 225,000 technical reports, books, research papers and climatological summaries make it the second largest atmospheric sciences library in the United States. The project will provide an additional 3,600 square feet for housing the library's expanding collections.

Mr. Wayne McCollom, assistant director of the Technical Library, said the library contains one of the best U.S. collections of documents dealing with the meteorology and climatology of the Third World. It has access to the collections of other government agencies and universities involved in atmospheric research and maintains information exchanges with selected foreign meteorological services and research centers. (Reprinted from the "Command Post.")

AFGWC reorganization

Air Force Global Weather Central, Offutt AFB, Neb., completed a reorganization Oct. 1, 1984.

The Technical Services Division and the Automation Division were replaced by the Software Development Division and the Computer Systems Division.

The need existed to improve the management of AFGWC software and hardware. The Software Development Division was formed to consolidate all software functions into a single division. The Computer System Division will bring all hardware operators together under one manager.

A previous reorganization occurred in 1981 with the elimination of the Executive Management Division and the formation of two new divisions: Resource Management and Administration.

Command line "Here's your report card"



Col. George E. Chapman
AWS Commander

I recently received a report card from the Inspector General's office at Headquarters Military Airlift Command, which told me how we have been doing, from their perspective, during 1984 — and it's very good. That reflects the hard work of a great group of people...you deserve the credit, and I'd like to share some of the results with you.

Let's check the overall grades first — and then look at the component parts. In 1984, 45 percent of our detachments and operating locations inspected received an "Excellent" rating, compared with 38 percent in 1983 and 39 percent in 1982. Both the trend and the results are super.

Also, for the last three years, every wing inspected has been rated "Excellent." That's an outstanding record — but it doesn't imply you have to feel bad if your unit, detachment, OL or squadron, was rated "Satisfactory." That means your unit was meeting the Air Force standard, and in 1984, 93 percent of our units were rated "Satisfactory" or higher, and that's an excellent record.

There are a number of factors that led to these high ratings. First, the type and number of findings in each unit, and as you might suspect, the trend is good there, too. The average number of "Deficiency Findings" per unit has been only 1.9 in each of the last two years — compared to 2.7 in 1982. More critical is our ability to meet our wartime commitment, and 63 percent of our active duty units have been rated "Excellent" in wartime capability in 1984, compared with 53

percent in 1983 and 37 percent in 1982. That's a record you can be proud of, and you deserve a "Well done." I know a lot of hard work has been put into the Assistance Visits by the Operations staffs at squadron, wing, and Headquarters AWS, and your hard work is paying off — I have seen the excellent results during my visits to the field.

When I looked at the results by functional area, the trends were also very good in the areas of Publications and Administrative Management, quality of forecast products, and all observing areas.

So what is there left to do, you may ask. Well, there's always room for improvement — and we'll continue to strive for that, and each of you know the individual challenges you have to meet.

The point of an article like this, as well as the Commander's Videotapes, is to keep you informed, because an informed group of people will generally be more motivated and perform better.

That's another reason for our Airmen-NCO Forum held in October at Headquarters AWS (see stories and photos in this edition). A lot of hard work has been put forth by everyone in the last two years under low manning conditions, but now our retention rates are up (above the Air Force average), our NCO forecaster manning has improved, and our performance has been superb, as this article reflects.

Your report card is in, and it's outstanding. Take a bow — you're doing great.

chief's comments

What was the Airmen's Forum

What was the AWS Airmen's Forum all about? It was an exchange of information and perceptions between the headquarters staff and selected airmen from within the command.

The airmen — from different AFSC's and weather related jobs — were an excellent example of the young men and women in AWS today.

These are the people who, in the near future, will be the enlisted leadership of the Air Force and AWS. They represented the enlisted force very well.

This was the first time that young airmen were brought to the headquarters for a forum; something we do routinely for wing commanders, operations superintendents and senior enlisted advisors.

Desired results? A better understanding, by the attendees, as to how AWS works the issues and plans needed for the future.

The idea was to get our young people's perceptions about what we could change, add or delete to meet our mission requirements in a more productive manner. At the same time, we wanted to know if what was planned for the future was perceived as heading in the right direction — if they understood what was being done and why.

The attendees were briefed by headquarters staff members on the many programmed initiatives for modernizing AWS operations in the future. There was a session with the CINCMAC Senior Enlisted Advisor, CMSgt. Carl Roberts, discussing the Air Force and MAC

in general. There was a briefing by a member of the headquarters MAC Personnel Office on the current changes in promotions and PME, with emphasis on future requirements for being competitive for promotions.

Was the forum productive? You bet it was! Not only for the attendees, but for the staff as well.

Remarks overheard from the headquarters staff were — "This is a super idea!! Hope it continues."

Remarks from the attendees were — "Headquarters seemed like a shadow before, we now know that people are working out problems and are concerned for us."

The attendees' concerns were many, but the one with the most interest was training for the future. What new training programs are being planned? How will people already in AWS receive the training? Will courses at Chanute change significantly? Will the people going through Chanute get trained both on the old and new equipment until all units have the new? Will follow-on training programs be updated and expanded to all units, including those with weather related jobs?

Their bottom line question was — are we going to be ready when the changes and new equipment come on board? The answer is yes! Plans are being formulated now for a Master Training Program to meet our future training requirements.

But training was just one of the many concerns these folks expressed. There's not enough room here to list and answer all of their concerns, so the



CMSgt. Charles T. Melson
AWS Senior Enlisted Advisor

points not listed already will be covered in future issues of the "Observer."

Should the forum be repeated? Absolutely!!

With the type of young men and women we have in AWS today, there is no doubt in my mind that AWS will be ready for any and all future requirements. By listening and watching the forum attendees, I'm sure the future enlisted leadership of the Air Force and AWS will continue to be strong.

Col. George E. Chapman
AWS Commander

TSgt. Michael T. Devine
Editor

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A lesson from history : The Son Tay raid

By John Fuller

It happened 14 years ago this month.

For about 30 minutes on the night of Nov. 10, 1970, 53 U.S. Army and three Air Force commandos were inside the Son Tay Prisoner-of-War camp. Their objective: rescue American POWs.

That they found no POWs did not detract from the raid being one of Vietnam's most spectacular operations.

Some POWs had been in North Vietnam for years. Some had concluded they were forgotten. But the Son Tay raid was evidence that they were not.

In mid-May 1970, intelligence indicated U.S. POWs were being held at Son Tay, located some 23 miles west-northwest of Hanoi, deep in the heart of North Vietnam, and that a rescue attempt might be possible. After being briefed by its Special Assistant for Counterinsurgency and Special Activities, the Joint Chief of Staff approved an in-depth feasibility study.

The next day, messages went to seven people outside the Pentagon (representatives from each service) who would be members of the 12-man study group. One was Major (Lt. Col. select) Keith R. Grimes. Weather and weather support were critical factors in every step of its planning and execution.

Major Grimes was a career weather officer who, in May 1970, was the Air Command and Staff College faculty member responsible for the special operations portion of the curriculum. He was a recognized expert in special operations, unconventional warfare, and weather support thereto.

In 1963 he volunteered for the staff weather officer position to the Special Air Warfare Center at Hurlburt Field, Fla. He became the leader of an air commando weather team, later designated Det. 75, 5th Weather Wing (now part of 7th WW). During his four years at Det 75, he and his commando weathermen participated in many field exercises.

Their first test under fire came during the Dominican Crisis of May 1964, when Major Grimes and some of his men deployed to Santo Domingo. The officer who summoned them was Army Col. Edward E. Mayer, commander of the 7th Special Forces Group. In 1970, Colonel Mayer was the number three man to the Special Assistant for Counterinsurgency and Special Activities and he was responsible for Major Grimes becoming a member of the feasibility study group.

The study group first convened on June 10, 1970, and spent a month carefully examining the feasibility of the raid. During that time, a weather "window" of late October or late November was established for the rescue attempt, based on tactical and training considerations.

The weather "window" was determined from climatological data Major Grimes obtained from the U.S. Air Force Environmental Technical Applications Center, then located in Washington, D.C. He approached Lt. Col. Thomas D. Potter, then the ETAC Commander, saying the information was needed for a sensitive, close-hold mission of considerable priority. With Potter's consent, he worked through ETAC's liaison in the Pentagon, Major Rufus D. McCollum to get the information he needed.

Major Grimes and the study group determined it would be a night raid, and that some moonlight was desirable, but not too much. A quarter moon in the east, about 35 degrees above the horizon was agreed on. It would aid low-level navigation, reduce detection, and yet furnish adequate light for the raiders once on the ground.

Launches could be conducted under instrument conditions, but after rendezvous, there had to be good visibility at "light level" with an adequate open layer



Capt. Richard J. Meadows (left) and Lt. Col. Elliott P. "Bud" Sydnor (center), U.S. Army, at Eglin AFB, Fla., during training for the Son Tay raid. In the background is a mock-up of the prison, assembled and taken apart each day to avoid arousing suspicion. Sydnor and

Meadows were very experienced in special operations in combat in Southeast Asia and for the Son Tay raid, Sydnor served as the ground force commander. (Photo courtesy Keith Grimes)

between 5,000 and 10,000 feet to permit the force to proceed safely. For refueling, the helicopters needed a clear area with little turbulence to meet the HC-130P.

Upon reaching the Red River Valley, there could be no more than scattered low-and-middle clouds to allow navigation by the reflection of the moon off lakes and rivers.

There could be no more than scattered clouds below 3,000 feet to accommodate tactics for the accompanying A-1 fighters.

At Son Tay, visibility had to be good and surface winds light.

For diversionary strikes to be carried out by Navy aircraft against Hanoi and Haiphong targets, seas in the Gulf of Tonkin had to be light-to-moderate. Visibility had to be good and cloud ceilings along the coast high enough to permit tactics by aircraft operating up to 17,000 feet.

The right moon conditions would occur during five-day periods in late October and late November. They would occur during the northeast monsoon season when the weather would be predominately good in North Vietnam, although fog would form at night in the Red River Valley. Also during this time the threat of typhoons would be minimal.

In early July the feasibility study group briefed the JCS that a rescue was entirely feasible. The JCS ordered the preparation of a detailed operations and training plan.

The study group then became the nucleus for an expanded planning staff of about 25 people from the three services that worked in the Pentagon. Major Grimes was a member of that planning staff, as well as the Joint Contingency Task Group formed under the

JCS to conduct the raid.

Brig. Gen. Leroy J. Manor, commander of the Special Operations Force at Eglin AFB, Fla. was designated at the Joint Contingency Task Group commander. Army Colonel Arthur D. ("Bull") Simons, from the XVIII Airborne Corps, Ft. Bragg, N.C., was assigned as the deputy commander. General Manor reported directly to the JCS chairman. It was reportedly the first time in U.S. military history that the JCS exercised direct command over a military unit.

Major Grimes served as General Manor's staff weather officer, no one from AWS was briefed into the mission. Colonel Simons gave the nod to him as his choice for the Air Force's liaison officer to the Army for the raid. Major Grimes was also the assistant signal officer and with his combat experience in the "secret war" in Laos in 1965, was made responsible for training the ground forces, forward air guides and pathfinders.

Even though the mission's purpose was undisclosed, Colonel Simons' reputation in special operations was enough to attract over 300 Special Forces volunteers from the J.F.K. Center for Military Assistance at Ft. Bragg. Only one out of three was selected for the 103-man ground operations and support force. Air Force aircrew personnel were selected from numerous sources, with the final determination on all individuals made by General Manor.

After getting approval to continue from the Secretary of Defense and the President, the Joint Contingency Task Group's ground and air elements began training together at Eglin AFB, Fla., on Labor Day weekend.

Next month's "A lesson from history" will continue with the preparation, execution and aftermath of the Son Tay Raid.

Shemya goes state of the art

A new weather satellite readout system has been installed at Shemya AFB, Alaska.

The system, an Alden APTS-3C W/G, incorporates the latest technology for satellite reception. The Alden system has the capability of receiving data from the U.S. geostationary satellite, GOES-West; the U.S. polar orbiting satellites of the National Oceanic and Atmospheric Administration, TIROS-N series; and other polar orbiting satellites, such as the METEOR series.

One of the unique features of this system is that it is totally automatic. The operator can preprogram the system to receive a satellite transmission, then he or she can continue with other tasks. The system will receive, tape record, grid and print out the orbiting weather satellite picture without operator intervention. This is ideal for locations where a station may not be manned around the clock.

Also, the system is one of the first to incorporate the new Alden Latitude-Longitude Grid Generators, which is Alden's latest addition to its satellite product line. This system automatically places the latitude and longitude lines for plotting locations on the NOAA satellite pictures. It eliminates the old and cumbersome method of having to find a geographic point on the picture and then using plastic grid overlays.

The Alden system uses two eight-foot parabolic antennas to receive from geostationary meteorological satellites, such as GOES-West. These satellites are stationed over the equator and are at an altitude of 22,798 miles. The orbit of these satellites keeps them located over the same point above the earth, hence their name, "geostationary." These satellites provide pictures in the visible and infrared portions of the spectrum.

To receive from the polar orbiting satellites, the system uses an omni-directional antenna. This



Installing antennas at Shemya.

antenna allows for reception of satellites that orbit the earth around its polar axis. These satellites transmit two pictures continuously, an infrared and a visible picture. The Alden system can receive either or both pictures at the same time.

By utilizing an omni-directional antenna, the APTS-3C system can receive polar orbiting satellites without having to track the satellite as is necessary with a directional antenna. This eliminates the need for mechanical and electrical drive systems. That reduces not only the initial purchase price, but also eliminates the extra costs

of maintenance these complex assemblies require.

The Alden APTS-3C system utilizes two scanning VHF telemetry receivers for reception. The primary receiver scans through five VHF frequencies. It locks on to a frequency whenever there is a polar orbiting satellite passing within reception range of the omni-directional antenna. These five frequencies are: 137.50 and 137.63 MHz for the U.S. polar orbiting satellites; and 137.15, 137.30 and 137.85 MHz for satellites in the METEOR series. Once the satellite has passed beyond the reception range of the omni-directional antenna (over the horizon) the telemetry receiver will revert to scanning through the five frequencies. The second telemetry receiver interfaces with a UHF/VHF down converter which converts the geostationary satellite's UHF frequency of 1,691 GHz down to the VHF frequency of 137.50 MHz.

A Harris Laserfax (R) 850 Recorder interfaced with a satellite signal processor produces the imagery transmitted from the various satellites.

The recorder uses a light sensitive paper that is exposed to a laser beam. The beam's intensity is modulated by the transmitted satellite signal. The purpose of the satellite signal processor is to format the satellite signal for the laserfax recorder and to allow the operator to enhance the satellite picture. By enhancing satellite pictures, those areas of interest can be made to stand out from the rest of the picture. This can be used to detect severe thunderstorms, ocean currents, land/water or ice/water interfaces.

A facsimile tape recorder is included in the system for automatically storing satellite signals from all of the satellites. This allows for the archiving of severe weather fronts and thunderstorms or the generation of multiple copies of selected satellite pictures.

Forecasting Dayton Airshow weather in Ohio

by Lt Timothy F. Alsruhe

Visibility hovered at one-and-a-half miles as crews and passengers waited anxiously in the morning fog.

The weather briefing had forecast the fog to lift slowly during the one hour launch window. Three miles visibility was required and time was running out. When the window closed, air traffic would be too dense over the international airport to ascend safely.

Finally, two minutes before scrub time, the launch signal was given. The dull gray sky quickly blossomed with the colors of 28 hot air balloons.

The ascension marked the opening of the Tenth Annual Dayton International Airshow. For the 10th year, Det 15, 15WS, Wright-Patterson AFB, Ohio, provided weather support for the three-day event.

The Dayton Airshow is the largest in the western hemisphere and the fifth largest in the world. As a member of the Military Air Operations Center, Det 15 provided met-watches as well as aircraft and balloon flight weather briefings.

This year, Det 15 was brought into the Airshow's planning early, organizers desired a closer relationship with the

weather unit. Lt. Col. Cipriano, Det 15, commander, said that although weather support had always been super for the event, any preliminary planning has been pretty much accidental. To avoid last minute panic, Det 15 got involved with the base operations folks and Airshow organizers early.

Detachment 15 personnel manned the Airshow command post. They presented a morning briefings and kept the staff current of any changes in the weather.

The command post was also supported by the duty forecaster at Wright-Patterson AFB. The forecaster met-watched the Airshow. Watches and warnings were coordinated with the command post's weather counterpart.

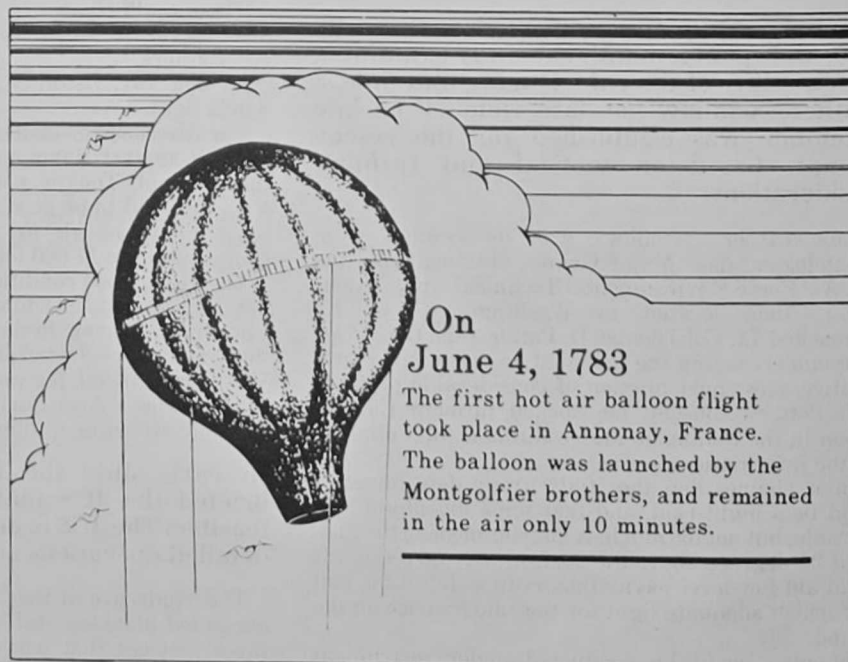
Five uniquely tailored balloon flight weather briefings were presented. Balloons are not only restricted by visibility and ceilings but assailable by light surface winds and convective currents. Forecasts had to reflect a slim margin of all weather parameters.

Stephen Brown, Balloon Rally manager, wrote "the briefings were certainly the best of those that I have attended at many rallies around the country."

A temporary briefing station was established for the 100 plus military aircraft present for the show. Forecasters shuttled between the National Weather Service and the FAA offices

gathering data. Every effort was made to provide the aircrews the same quality service they would receive at any normal AWS forecast counter. Even a dial-up radar was borrowed for the makeshift station.

The Airshow support was a strain on the tightly manned Detachment. But despite an arduous schedule of shifts at the weather station, Capt. Munley, project officer, was overwhelmed with volunteers.



On
June 4, 1783

The first hot air balloon flight took place in Annonay, France. The balloon was launched by the Montgolfier brothers, and remained in the air only 10 minutes.

Learning to survive in the Calif. desert

"I'm a scientist, not a soldier."
"I'll be behind the lines."
"That's security police's job."

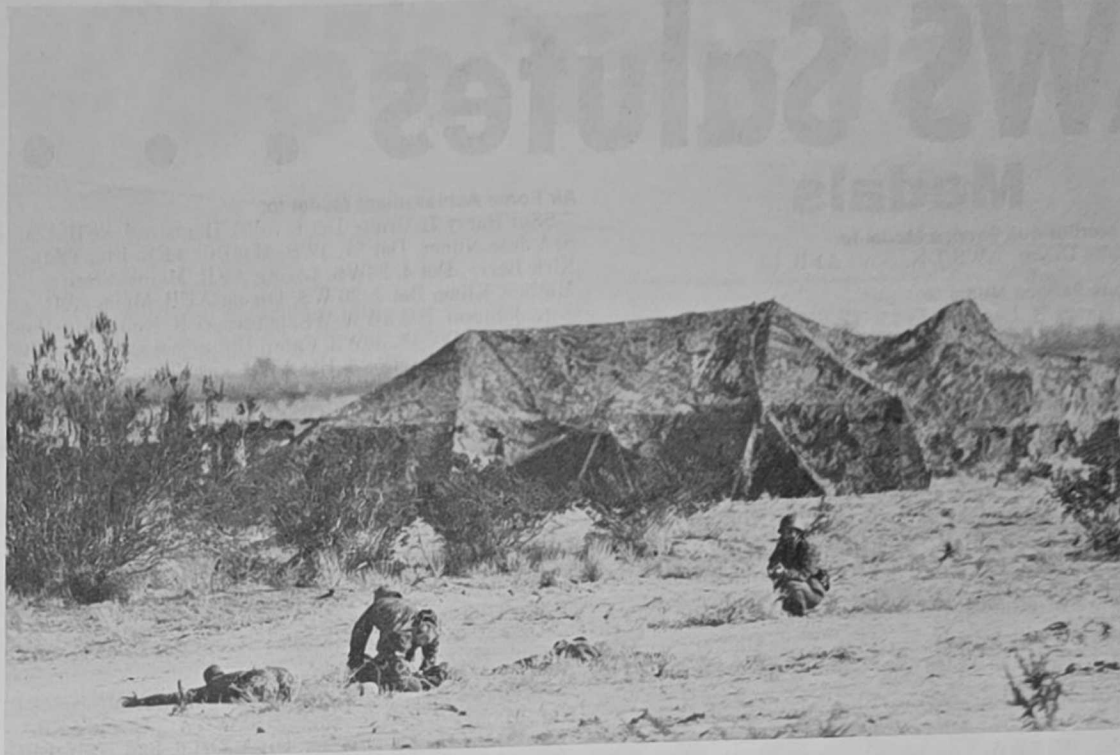
In today's "war ready" AWS, these statements are not true. Recent Honduran exercises and the contingency in Grenada illustrate the fallacy of this thinking.

Future contingencies AWS will support may involve bare base conditions and an ill-defined enemy. Weather specialists might find themselves on a perimeter guard team aiding in base defense and risking their lives.

At the 25th Weather Squadron/12th Air Force War Readiness Field Training Exercise, detachment commanders, their wing weather officers, 25th WS staff and HHQ guests were given a taste of what few weather people have seen, combat. In fact, a majority of the 18 men and women who took part had never experienced field conditions.

Hosted by Det 12, 25th WS, the exercise began at 8 p.m. Sept. 21, as participants arrived at the George AFB mobility center to change into field gear.

After a quick safety briefing, pep talk, and brisk ride



Prisoners are frisked and prepared for interrogation while Capt. Sheryl A. Foerster provides cover.

in the back of a stake bed truck the somewhat apprehensive weather troops found themselves at a Harvest Eagle bare base in the desert. At 11 p.m., people were struggling to assemble cots and arrange gear by flashlight so they could get some sleep before rising at 5 a.m.

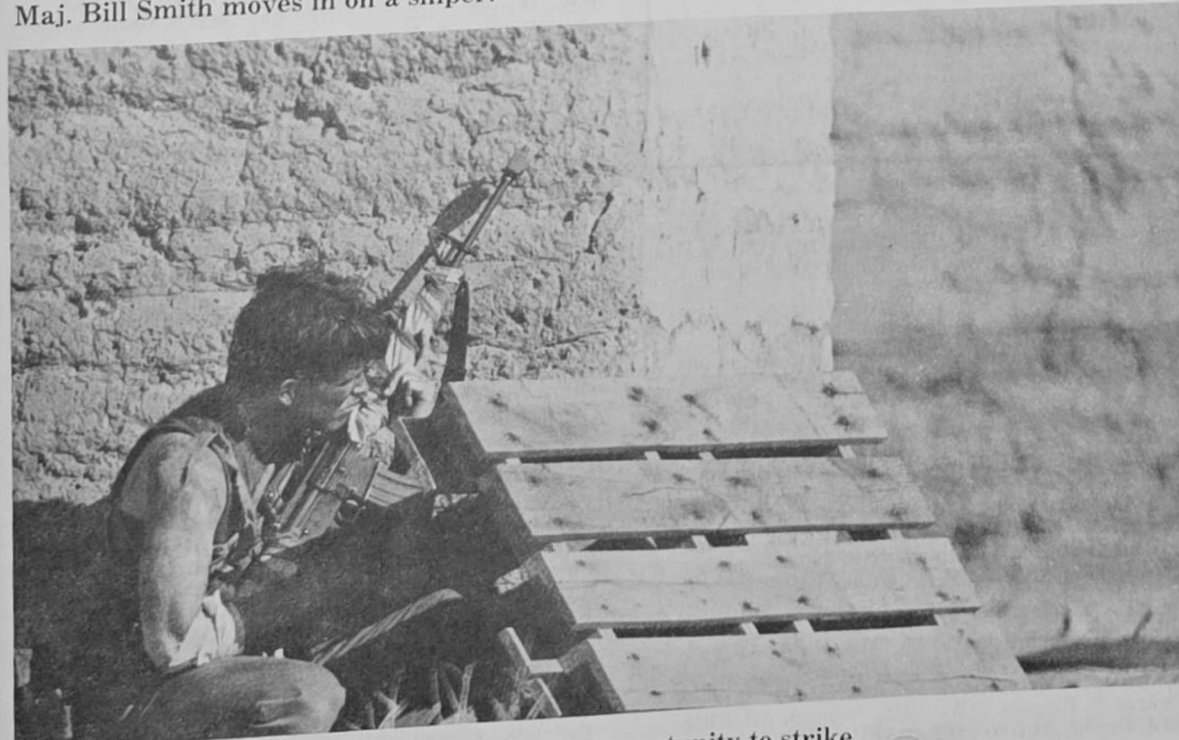
After a hearty breakfast of "meal ready to eat" and a trip to the "water buffalo" to fill canteens, it was briefing time. Base Disaster Preparedness personnel briefed advanced chemical warfare techniques covering such topics as removal of Chemical Warfare Defense gear when moving into a safe zone. They also explained the latest in detoxification chemicals.

Next, participants learned some basic techniques of Air Base Defense using the M-16 under the expert guidance of SSgt Percy from the George AFB Security Police. Training included: rifle squad, fire team control, field of fire and methods of advancing to the perimeter to act as reinforcements and overrun of an enemy held position with maximum coordination and effectiveness.

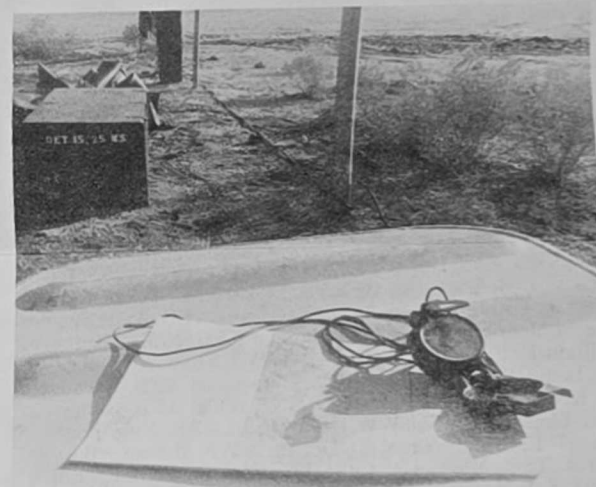
Saturday afternoon Maj. Bill Smith, AWS/DOOE, briefed the use of Tactical Decision Aids for support of precision guided munitions. Following the lecture, teams were required to perform manual Tactical Decision Aids calculations, followed by a demonstration of the latest programmable calculator



Maj. Bill Smith moves in on a sniper.



A member of the aggressors watches for an opportunity to strike.



Tools of the trade temporarily abandoned while repelling aggressors.

system for helping in this lengthy procedure.

As these "smart" weapon systems come into the inventory, Tactical Decision Aids techniques will become as much a required knowledge for a tactical forecaster as terminal forecasts.

After a fitful night's sleep spent anticipating the rigors of combat to come, the weather forces woke in the predawn quiet of a cool desert morning.

Armed with M-16s, two defense teams advanced to the perimeter and entrenched themselves while two other teams set up tactical weather equipment to make forecasts and take observations. An enemy attack, requiring support of the tactical observing team to repulse the attack, interrupted this routine.

Activities continued throughout the day. There was hostile fire, smoke generators and explosions at various points along the perimeter. Personnel were frequently required to don chemical ensembles and masks.

The finale took place in the late afternoon when two high speed terrorist vehicles attacked. Breaching the perimeter, they made a sweeping grenade and machine gun attack on the center of the compound.

After three days and nights of struggling with basic human needs in the dark, eight "meals ready to eat," no hot water or showers, it was over. The exercise proved to be a unique learning experience for everyone involved, thanks to the energy, time and dedication of the people from George AFB and Det 12, 25th WS.

The expert training and practice in chemical defense, and tactical observing and forecasting skills made the participants much more confident, motivated and war ready. They had gained a better understanding of the tactical and technical skills that may be required in a contingency.

AWS Salutes

Medals

Defense Meritorious Service Medal to:

Lt. Col. John Oliver, AWS/DN, Scott AFB, Ill;

Meritorious Service Medal to:

MSgt. Harry B. Houwen, Det 3, 7WS, Heidelberg, FRG; Capt. Richard St. Pierre (1 OLC), Det 2, 31WS, Ramstein AB, FRG; MSgt. Davis Dulzo, Det 15, 9WS, Grand Forks AFB, N.D.; Capt. John M. Park, Det 11, 25WS, Cannon AFB, N.M.; Lt. Col. Kenneth P. Freeman (2 OLC), 3WS, Shaw AFB, S.C.; Lt. Col. Joseph D. Dushan (2 OLC), 3WS, Shaw AFB, S.C.; Lt. Col. Gibson Morris, Jr. (2 OLC), Det 1, 3WS, Shaw AFB, S.C.; Maj. Gerald D. Swoboda, Det 23, 3WS, Moody AFB, Ga.; Maj. Kenneth Vetter, HQ 3WW/DOO, Offutt AFB, Neb; Maj. Peter Mills, HQ 3WW/DNC, Offutt AFB, Neb; Lt. Col. Steve L. Richter, Det 7, AFGWC, Carswell AFB, Texas; SMSgt. Arnold T. Saunders, Det 7, AFGWC, Carswell AFB, Texas; MSgt. J. B. McLeod Jr., Det 7, AFGWC, Carswell AFB, Texas; Capt. Gary Hudson, Det 7, 17WS, Kelly AFB, Texas; Maj. Thomas Wann, AWS/DNTM, Scott AFB, Ill; Maj. Dennis Bielicki (1 OLC), AWS/DNTS, Scott AFB, Ill; Col. Ardith N. Wagley, HQ 5WW, Langley AFB, Va; Maj. Raymond Bragaglia, HQ 5WW, Langley AFB, Va; Lt. Col. John H. Bradham (2 OLC), HQ AFGWC, Offutt AFB, Neb; Maj. Kenneth E. Eis (2 OLC), HQ AFGWC, Offutt AFB, Neb; Capt. Gerard M. Hill, HQ AFGWC, Offutt AFB, Neb; SMSgt. Bruce W. Russell, Det 2, 31WS, Ramstein AB, FRG; Lt. Col. David Javier, HQ 1WW, Hickam AFB, Hawaii; MSgt. Steven C. Thomas, USAFETAC, Scott AFB, Ill.; TSgt. Michael Thomas, USAFETAC, Scott AFB, Ill.;

Joint Service Commendation Medal to:

TSgt. Paul T. Furguson, Det 7, AFGWC, Carswell AFB, Texas;

Air Force Commendation Medal to:

SSgt. Jimmy Long, Det 19, 31WS, Incirlik AB, Turkey; Capt. Betty A. Garcin, Det 7, 9WS, March AFB, Calif; SSgt. Alvin J. Guzman, Det 16, 9WS, Dyess AFB, Texas; SSgt. Vanessa J. Heffner, Det 16, 9WS, Dyess AFB, Texas; Sgt. Bruce A. Estabrook, Det 15, 26WS, Luke AFB, Ariz; Sgt. Angela Moore, Det 11, 25WS, Cannon AFB, N.M.; MSgt. William F. Holsten (2 OLC) Det 1, 3WS, Shaw AFB, S.C.; Sgt. Louis W. Rapp, Det 6, 3WS, Homestead AFB, Fla.; 1st Lt. Kenneth Doykos, HQ 3WW/DNS, Offutt AFB, Neb; Maj. Lynn Lard, HQ 3WW/DOO, Offutt AFB, Neb; TSgt. Russell L. Graham (2 OLC), Det 10, 30WS, Junsan AB, Lorea; TSgt. Michael A. Cullenbine, Det 11, 5WS, Ft. Sill, Okla; Sgt. Manuel K. Dickerson, Det 11, 5WS, Ft. Sill, Okla; SrA. Michael I. Hartman, Det 11, 5WS, Ft. Sill, Okla; SSgt. James E. Rott, Det 8, HQ AWS, Las Vegas, Nev; SSgt. Roddy L. Stanback, Det 8, HQ AWS, Las Vegas, Nev; Maj. Victor H. Hill, Det 7, AFGWC, Carswell AFB, Texas; 2nd Lt. Glenn M. Shelly, Det 7, AFGWC, Carswell AFB, Texas; SSgt. Kimberly Lessard, Det 7, 17WS, Kelly AFB, Texas; 1st Lt. Michael Bedard, Det 15, 30WS, Osan AB, Korea; A1C. Oscar Thames, Det 15, 30WS, Osan AB, Korea; Capt. Richard F. Ferris (2 OLC), 6WS, Tinker AFB, Okla; SSgt. Albert J. Sandbothe, 6WS, Tinker AFB, Okla; SSgt. Michael M. Hernandez (1 OLC), HQ AFGWC, Offutt AFB, Neb; 2nd Lt. Brian T. Sheehan, Det 10, 2WS, Eglin AFB, Fla; TSgt. Roger D. Burgett, Det 20, 31WS, Sembach AB, FRG; 1st Lt. Barbara J. Woods, Det 3, 1WW, Andersen AFB, Guam; Capt. Betty A. Gracin, Det 7, 9WS, March AFB, Calif; SSgt. Robert D. Dickey, Det 7, 9WS, March AFB, Calif; Capt. Charles F. Terry, HQ 1WW, Hickam AFB, Hawaii; TSgt. Carl W. Ensminger, HQ 1WW, Hickam AFB, Hawaii; Capt. Michael D'Spain, Det 5, 9WS, March AFB, Calif; SSgt. Kathy Nakaishi, Det 21, 9WS, Minot AFB, N.D.; Capt. Dean C. Register, USAFETAC, Scott AFB, Ill.; Capt. Alan C. Stein, USAFETAC, Scott AFB, Ill.; 1st Lt. Steven Seabaugh, USAFETAC, Scott AFB, Ill.; TSgt. Dennis Halbert, USAFETAC, Scott AFB, Ill.; MSgt. Michael P. Fisher, Det 6, 5WS, Ft. Lewis, Wash; TSgt. Erich Horn, Det 6, 5WS, Ft. Lewis, Wash; SSgt. Ken Williams, Det 6, 5WS, Ft. Lewis, Wash;

Army Commendation Medal to:

Col. Ardith N. Wagley, HQ 5WW, Langley AFB, Va;

Purple Heart to:

Lt. Col. Robert Introne, 2WS/DO, Andrews AFB, Md., for injuries received during the terrorist bombing of USAFE headquarters, Ramstein AB, FRG, Aug. 31, 1981.

Combat Readiness Medal to:

SSgt. Richard A. Pratt, Det 19, 30WS, Camp Humphreys, Korea; Sgt. Michael DeYoung, Det 58, 5WS, Ft. Carson, Colo; Sgt. Miles A. Nonaka, HQ 1WW, Hickam AFB, Hawaii; MSgt. Prentice E. Watson, Det 1, 5WS, Ft. Campbell, Ky;

Air Force Achievement Medal to:

SSgt. Barry L. Crain, Det 6, 3WS, Homestead AFB, Fla; SrA Jose Nunez, Det 31, 3WS, MacDill AFB, Fla; TSgt. Kirk Berry, Det 4, 26WS, Loring AFB, Maine; SSgt. Mathew Kline, Det 4, 26 WS, Loring AFB, Maine; A1C Zora Johnson, HQ 3WW/WS, Offutt AFB, Neb; SSgt. Dale J. Ferraro, Det 19, 30WS, Camp Humphreys, Korea; A1C. Richard D. Lake, Det 8, HQ AWS, Las Vegas, Nev; TSgt. Basil E. Lett, 6WS, Tinker AFB, Okla; MSgt. William C. Ackerman, HQ AFGWC, Offutt AFB, Neb; SrA. Rinald L. Lawrence, HQ AFGWC, Offutt AFB, Neb; A1C Johnnie N. Powell, HQ AFGWC, Offutt AFB, Neb; TSgt. Bruce W. Swartz, Det 2, 31WS, Ramstein AB, FRG; SSgt. James Gowan, Det 7, AFGWC, Carswell AFB, Texas; A1C. Lance L. Ryerson, Det 7, 9WS, March AFB, Calif; SrA. Mary Smith, Det 3, 9WS, Fairchild AFB, Wash; SSgt. Steve G. Hill, Det 21, 9WS, Minot AFB, N.D.; A1C. Susan Angley, Det 21, 2WW, Kapaun AS, FRG; SSgt. Kathleen Shelton, USAFETAC, Scott AFB, Ill.; Sgt. Timothy Lovell, USAFETAC, Scott AFB, Ill.;

Army Achievement Medal to:

MSgt. Earl W. Schneider Jr., Det 23, 3WS, Moody AFB, Ga.; Maj. John D. Shewchuk, HQ AFGWC, Offutt AFB, Neb; TSgt. Gerald D. Rugg, OL-A, Det 6, Bad Toelz, FRG; SSgt. John C. Spaller, Det 1, 5WS, Ft. Campbell, Ky;

Promotions

The following AWS officers have been selected for promotion by the Calendar 1984 Colonel Selection Board:

Douglas A. Abbott, ETAC/CV, Scott AFB, Ill;
Peter F. Abt, AFGWC/WF, Offutt AFB, Neb;
Jerry E. Albrecht, 17th WS/CC, Travis AFB, Calif;
John T. Anthony, 5th WW/DOO, Langley AFB, Va;
John H. Bradham, AFGWC/CM, Offutt AFB, Neb;
Ted S. Cress, HQ AWS/DNX, Scott AFB, Ill;
Francis L. Guiberson, AFGWC/RM, Offutt AFB, Neb;
Kim Karst, HQ AWS/SY, Scott AFB, Ill;
Darrell Lucas, 1st WW/DOO, Hickam AFB, Hawaii;
Thomas K. Klein, AF/XOORF, Pentagon, Washington, D.C.
John T. Madura, 25th WS/CC, Bergstrom AFB, Texas;
John A. Odland, 4th WW/DO, Peterson AFB, Colo;
John W. Oliver, HQ AWS/ADN, Scott AFB, Ill;
James W. Plummer, HQ AWS/SYJ, Scott AFB, Ill;
Adrian Ritchie, MAC/IG, Scott AFB, Ill;
Charles H. Tracy, HQ AWS/DOO, Scott AFB, Ill;
Phillip D. Wood, Det 6, 2nd WW, Vaihingen, FRG.

To Lieutenant Colonel:

Joseph D. Dushan, 3WS, Shaw AFB, S.C.; Gibson Morris Jr., 3WS, Shaw AFB, S.C.; John S. Kim, HQ 7WW, Scott AFB, Ill; Richard A. Arbes, IMA Det 32, 3WS, MacDill AFB, Fla.;

To Major:

Philip G. Yavorsky, Det 9, HQ AWS, Pittman Station, Nev; David G. Whitford, Det 4, 1WW, Hickam AFB, Hawaii;

To Captain:

Mark H. Daybell, HQ 1WW, Hickam AFB, Hawaii;

To First Lieutenant:

Benjamin V. Noah, HQ 1WW, Hickam AFB, Hawaii; Mary Pace, Det 21, 2WW, Kapaun AS, FRG; John M. Rogers, Det 1, 2WS, Wright-Patterson AFB, Ohio;

To Second Lieutenant:

Michael W. Heathfield, Det 23, 3WS, Moody AFB, Ga;

To Chief Master Sergeant:

Dwayne N. Burgess, 31WS/DOS, Sembach AB, FRG; John J. Hewitt, AFGWC, Offutt AFB, Neb;

To Senior Master Sergeant:

Billy D. Richardson, AFGWC, Offutt AFB, Neb;

To Master Sergeant:

Johnny Kicklighter, Det 3, 15 WS, Charleston AFB, SC; Charles Morrison, Det 5, 15WS, Dover AFB, MD; John R. Griffith, Det 3, 3WS, Myrtle-Beach AFB, SC; Royce L. Hildebrand, Det 5, 3WS, England AFB, La; Paul K. Jensen, Reno A. Lane, Paul R. Mason, and Jerald R. Olesen, AFGWC, Offutt AFB, Neb; James H. Jensen, Det 17, 1WW, Yokota AB, Japan; Mark M.E. Wheeler, Det 4, 1WW, Hickam AFB, Hawaii; Steven D. Paulsen, Det 11, 5WS, Ft. Sill, Okla;

To Technical Sergeant:

Steven Thornsberry, Det 2, 31WS, Ramstein AB, FRG; Jeffery L. Fleming, Det 7, 31WS, Aviano AB, Italy; Michael T. Devine, AWS/PA, Scott AFB, Ill; Donald W. Meshell, 25WS, Bergstrom AFB, Texas; James J. Reid, Det 167, 25WS, Nellis AFB, Nev; Charles Harris, 6WS, Tinker AFB, Okla; Kevin Johnson, Det 7, 17WS, Kelly AFB, Texas; Anthony Marra, Det 2, 17WS, Travis AFB, Calif; Gregory Ramsay, Det 2, 17WS, Travis AFB, Calif; Dennis Svitak, Det 9, 7WW, Scott AFB, Ill; Donald Knighton, Det 3, 3WS, Myrtle-Beach AFB, SC; Wayne J. Bradshaw, Richard A. Riske, Richard A. Goodman, Donald Larivee, Michael S. McGurn, Kim L. VanVleet, Walter D. Wilkerson and Michael A. Zimmer, AFGWC, Offutt AFB, Neb; Flordeliza Faulkner, Det 12, 31WS, Torrejon AB, Spain; David B. Knieff, Det 17, 1WW, Yokota AB, Japan; Gary D. Harris, HQ 3WW/DPL, Offutt AFB, Neb; Robert Kier, Det 21, 2WW, Kapaun AS, FRG; Curtis Poorman, Det 5, 9WS, Malmstrom AFB, Mont; Robert S. Johnson, Det 17, 1WW, Yokota AB, Japan; Erich Horn, Det 6, 5WS, Ft. Lewis, Wash; Craig E. Heiselmeyer, Det 58, 5WS, Ft. Carson, Colo;

To Staff Sergeant:

Mary V. Kaliszewski, 31WS/DA, Sembach AB, FRG; Roger Hinkson, Det 10, 15WS, McGuire AFB, NJ; Bernard Johnson, Det 10, 15WS, McGuire AFB, NJ; Terri Oakman, Det 15, 15WS, Wright-Patterson AFB, Ohio; David Rose, Det 1, 17WS, Tinker AFB, Okla; Michael Willen, Det 15, 15WS, Wright-Patterson AFB, Ohio; Susan H.L. Rhodes, Det 3, 3WS, Myrtle-Beach AFB, SC; William J. Thompson, Det 5, 3WS, England AFB, La; Mark K. Dake, Randall D. Larue, Loretta J. Lemley, Mark R. Mireles, Tomothy A. Moffitt, Glen K. Russell and Monica B. Vasey, AFGWC, Offutt AFB, Neb; Jocelyn D. Richmond, Det 10, 2WS, Eglin AFB, Fla; Bernard E. Johnson Jr., Det 10, 15WS, McGuire AFB, NJ; Mario Vasquez, Det 12, 31WS, Torrejon AB, Spain; Jane M. Andersen, Det 12, 31WS, Torrejon AB, Spain; Roger E. S. Hinkson, Det 10, 15WS, McGuire AFB, NJ; Deborah L. Howey, Det 1, 5WS, Ft. Campbell, Ky; Doris Williams, Det 3, 9WS, Fairchild AFB, Wash; Pamela Dewberry, Det 7, AFGWC, Carsell AFB, Texas; Gregg E. Galvin, Det 15, 24WS, Vance AFB, Okla; James M. Collins, Det 11, 25WS, Cannon AFB, NM; Jerry Cowart, Det 22, 24WS, Keesler AFB, Miss; Michael A. Willen, Det 15, 15WS, Wright-Patterson AFB, Ohio; Terri S. Oakman, Det 15, 15WS, Wright-Patterson AFB, Ohio;

Appointed to Sergeant:

Catherine A. Spier, Det 3, 7WS, Heidelberg, FRG; Zena A. Tucker, 31WS, WSU, Sembach AB, FRG; Suzanne L. Rogers, Det 16, 25WS, Nellis AFB, Nev; Kenneth Briggs, Det 10, 15WS, McGuire AFB, NJ; Donna Duncan, HQ 7WW, Scott AFB, Ill; Kevin Foley, Det 1, 17WS, Tinker AFB, Okla; Timothy Kellett, Det 1, 17WS, Tinker AFB, Okla; Roger B. Jonson, AFGWC, Offutt AFB, Neb; Ronald L. Lawrence, AFGWC, Offutt AFB, Neb; Patrick M. Coupert, HQ 5WW, Langley AFB, Va; Alma Hansell-Foggie, Det 15, 30WS, Osan AB, Korea; Antonio Jones, Det 4, 1WW, Hickam AFB, Hawaii; Thomas B. Holmes, HQ 3WW/WS, Offutt AFB, Neb; Mark Carabetta, Det 21, 2WW, Kapaun AS, FRG; Charles D. Peterson, Det 1, 9WS, Offutt AFB, Neb; Louis P. Loleas, Det 7, 9WS, March AFB, Calif; Biran Nesiu, Det 20, 31WS, Sembach AB, FRG; Kenneth W. Briggs, Det 10, 15WS, McGuire AFB, NJ.

To Senior Airman:

James G. Bowman (BTZ), 31WS/WSU, Sembach AB, FRG; April Couch, Det 20, 31WS, Sembach AB, FRG; Cherry M. Green, Det 16, 31WS, Zaragoza AB, Spain; Todd M. McNamara (BTZ), Det 14, 25WS, Holloman AFB, N.M.; Kevin Brady, Det 29, 17WS, Buckley AWGB, Colo; Vera L. Jordan, AFGWC, Offutt AFB, Neb; Laura J. Robst, AFGWC, Offutt AFB, Neb; James Ozgunduz (BTZ), Det 21, 2WW, Kapaun AS, FRG; Kathy L. Richmond, Det 3, 1WW, Andersen AFB, Guam; Lisa R. Ritter, Det 7, AFGWC, Carswell AFB, Texas; Cathy A. Swenson (BTZ), Det 8, 31WS, Zweibruecken AB, FRG; Lori J. McNamara,

AWS Salutes . . .

Det 11, 25WS, Cannon AFB, NM; Eric C. Merrell, Det 15, 15WS, Wright-Patterson AFB, Ohio; Michael R. VanSickel, Det 11, 1WW, Hickam AFB, Hawaii; Michael R. Singleton, Det 11, 1WW, Hickam AFB, Hawaii; Thomas J. Targaszewski, OL-A, Det 6, 2WW, Bad Toelz, FRG;

To Airman First Class:

Trent R. Reimer, Det 16, 31WS, Zaragoza AB, Spain; Mark Cristoph, Det 14, 31WS, Hahn AB, FRG; David Douglas, Det 7, 17WS, Kelly AFB, Texas; Leo L. Daughtery III, Det 9, 3WS, Tyndall AFB, Fla; Randall P. Damon, Bryant A. Paradis, and Timothy Wilkinson, AFGWC, Offutt AFB, Neb; Kenneth T. Fager, Lorena L. Small and Brent M. Ward, Det 8, HQ AWS, Las Vegas, Nev; Keith Bird, Det 2, 9WS, Castle AFB, Calif; James B. Wiemann, Det 1, 9WS, Offutt AFB, Neb; Todd Allen, Det 7, AFGWC, Carswell AFB, Texas; Debbie D. Sandlin, Det 2, 31WS, Ramstein AB, FRG; Derek Scheidt, Det 14, 31WS, Hahn AB, FRG; Raymond J. Schierhoff, Det 16, 25WS, Nellis AFB, Nev; James F. Koller, Det 5, 5WS, Ft. Knox, Ky;

To Airman:

Joshua N. Dickson, Det 5, 3WS, England AFB, La; Roy T. Matsueda, Det 7, AFGWC, Carswell AFB, Texas; Clark Lind, Det 7, AFGWC, Carswell AFB, Texas; John V. Houghton, Det 15, 24WS, Vance AFB, Okla;

Unit Honors

Volunteer of the Year for:

Carswell AFB Rec Center — AMN Todd Allen, Det 7, AFGWC;

Company Grade Officer of the Quarter for:

1st WW — Capt. James L. Thompson, Det 11, Hickam AFB, Hawaii;

Junior Officer of the Quarter for:

USAFETAC — 2nd Lt. David M. Mucia, Scott AFB, Ill;

Senior NCO of the Quarter for:

HQ AWS — SMSgt. Roy Metcalf, AWS/DNTM, Scott AFB, Zill; 1st WW — MSgt. James E. Hruz, HQ 1WW, Hickam AFB, Hawaii; 4th WW — SMSgt. Jean B. Dusablon, Det 30, 2WS, Vandenberg AFB, Calif; AFGWC — MSgt. John A. Behnke, Offutt AFB, Neb; 3rd WS — MSgt. Leon W. Elkins, Det 1, Shaw AFB, SC; 30th WS — MSgt. Gary E. Taylor, Det 10, Kunsan AB, Korea; 31st WS — MSgt. David Etheridge, OL-A, Hellenikon AB, Greece; Det 2, 3WS — MSgt. Thomas S. Brock, Seymour-Johnson AFB, NC; Det 11, 1WW — MSgt. Marvin L. Freimund, Hickam AFB, Hawaii;

NCO of the Quarter for:

MAC/Guam — TSgt. Harold E. Newman, HQ 1st WW, Hickam AFB, Hawaii; 1st WW — SSgt. Charles C. Cobb, Det 11, Hickam AFB, Hawaii; 4th WW — SSgt. Rene A. Lacelle, Det 30, 2WS, Vandenberg AFB, Calif; AFGWC — SSgt. Mark A. Seigel, Offutt AFB, Neb; 3rd WS — TSgt. Leonard W. Gibson, Det 23, Moody AFB, Ga; 31st WS — TSgt. Susan L. Lawrence, Det 1, Bitburg AB, FRG; USAFETAC — TSgt. Rosanne Eodchick, Scott AFB, Ill; Det 17, 1WW — MSgt. Lee R. Bruce, Yokota AB, Japan; Det 20, 17WS — Sgt. Jefferson O. Cook, Little Rock AFB, Ark; Det 20, 24WS — TSgt. Benton E. Holden III, Laughlin AFB, Texas; Det 10, 2WS — SSgt. Marshsall W. Baer, Eglin AFB, Fla; Det 2, 3WS — TSgt. George E. Simmons, Seymour-Johnson AFB, NC; Det 4, 26WS — SSgt. John LaCorte, Loring AFB, Maine; Det 5, 3WS — Sgt. David A. Brann, England AFB, La; Det 21, 2WW — TSgt. Robert Kier, Kapaun AS, FRG;

Airman of the Quarter for:

1st WW — AMN John M. York, Det 7, Wheeler AFB, Hawaii; 3rd WW — A1C Robert Hirl, Det 5, 9WS, Malmstrom AFB, Mont; 4th WW — A1C Stephen H. Turkovich, Det 10, 2WS, Eglin AFB, Fla; AFGWC — SrA Jeffrey G. Hardin, Offutt AFB, Neb; 15th ABW — A1C Bruce S. Linde, Det 11, 1WW, Hickam AFB, Hawaii; 3rd WS — A1C Brian R. Woodard, Det 7, Langley AB, Va; 31st WS — A1C Stephen McConnell, OL-A, Det 2, Siegenbe Range, FRG;

USAFETAC — A1C Eddie P. Lacroix Jr, Scott AFB, Ill; Det 2, 3WS — A1C Dennis B. Ramsdell, Seymour-Johnson AFB, NC; Det 4, 26WS — A1C Kevin Kissel, Loring AFB, Maine; Det 5, 3WS — AMN Craig S. Bouchillon, England AFB, Fla; Det 6, 5WS — A1C David W. Law, Ft. Lewis, Wash; Det 10, 2WS — A1C Stephen H. Turkovich III, Eglin AFB, Fla; Det 11, 1WW — SrA Michael R. VanSickle, Hickam AFB, Hawaii; Det 17, 1WW — A1C Daniel S. Plumlee, Yokota AB, Japan; Det 23, 3WS — A1C Terry D. Hayes, Moody AFB, Ga; Det 21, 2WW — A1C John Turnbull, Kapaun AS, FRG;

Forecaster of the Quarter for:

Det 4, 26WS — SSgt. John LaCorte, Loring AFB, Maine; Det 10, 2WS — TSgt. Charles P. Bonini, Eglin AFB, Fla; Det 22, 24WS — SSgt. Tracy J. Boudreaux, Keesler AFB, Miss;

Observer of the Quarter for:

Det 10, 2WS — Sgt. Harvey Kislow, Eglin AFB, Fla; Det 22, 24WS — A1C Darren P. Mansfield, Keesler AFB, Miss;

Range Observer of the Quarter for:

Det 10, 2WS — Sgt. Charles D. May, Eglin AFB, Fla;

NCO of the month for:

Det 10, 30WS — Sgt. Roland F. Sinnard, Junsan AB, Korea;

Airman of the Month for:

Det 10, 30WS — SrA Mark R. Braunwart, Kunsan AB, Korea;

Observer of the month for:

Det 1, 3WS — A1C Jeffrey D. Kaylor, Shaw AFB, SC;

5,000 hour flying pin to:

MSgt. Richard B. Pelmonter, HQ 1st WW, Hickam AFB, Hawaii;

MAC Distinguished Individual Safety Award to:

Mr. Lawrence Baker and Mr. Mark Bengry, Det 12, 15WS, Selfridge AFB, Mich;

Sustained Superior Performance Award to:

Mr. William Nelson, Det 1, 9WS, Offutt AFB, Neb; Ms. Jan Goen, Det 17, 9WS, Ellsworth AFB, SD; Mr. John W. Louer, USAFETAC, Scott AFB, Ill;

Certificate of Service for:

Mr. Harry F. Petty, Det 15, 9WS, Grand Forks AFB, ND, 10 years;

Quality Salary Increase to:

Mr. Robert Mendell, Det 10, 15WS, McGuire AFB, NJ;

Education

Air War College:

Maj. Dennis Bielicki (Corres), HQ AWS/DNTS, Scott AFB, Ill; Lt. Col. Don Wood (Corres), Det 6, 2nd WW, Vaillingen, FRG;

Air Command and Staff College:

Capt. Eleanor Doyle (Corres), AFGWC, Offutt AFB, Neb;

Squadron Officer's School

2nd Lt. John M. Rogers, Det 1, 2nd WS, Wright-Patterson AFB, Ohio; Capt. Daniel R. Dumont, Det 1, 2WS, Wright-Patterson AFB, Ohio; Capt. Walter F. Miller, 24th WS/DON, Randolph AFB, Texas;

Senior NCO Academy:

MSgt. Michael H. A. Springer, Det 18, 25th WS, Mt. Home AFB, Idaho;

NCO Academy:

TSgt. John C. Graham (Dist Grad), Det 9, HQ AWS, Henderson, Nev; TSgt. W. Arthur Coolbaugh, USAFETAC, Ill; TSgt. Frank L. Curtis, Det 5, 1WW, Clark AB, the Philippines; TSgt. Craig A. Lewis, AFGWC, Offutt AFB, Neb; TSgt. William H. Powers, AFGWC, Offutt AFB, Neb; TSgt. Earl P. Wilsing Jr, AFGWC, Offutt AFB, Neb; TSgt. Ross McIntosh (Dist Grad), Det 10, 2nd WS, Eglin AFB, Fla;

NCO Leadership School

SSgt. Curtis Chamber, Det 6, 5th WS, Ft. Lewis AIN, Wash; Sgt. Robert V. Wright Jr., Det 10, 25th WS, Bergstrom AFB, Texas; Sgt. Edward A. Rosinski, Det 18, 25th WS, Mt. Home AFB, Idaho; Sgt. John C. Olsen (Dist Grad), Det 14, 25WS, Holloman AFB, NM; SSgt. John W.

Hampshire (Dist Grad), Det 15, 25th WS, Luke AFB, Ariz; Sgt. T.J. Morrison, Det 15 25th WS, Luke AFB, Ariz; SSgt. Michael Pagliuca (Dist Grad), USAFETAC, Scott AFB, Ill; SSgt. Jerry Farley (Dist Grad), Det 10, 15WS, McGuire AFB, NJ; SSgt. Nancy O'Connell, Det 9, 7th WW, Scott AFB, Ill; SSgt. Theresa K. Kim (Honor Grad), HQ 5th WW, Langley AFB, Va; SSgt. Glyn A. Erwin (Dist Grad), AFGWC, Offutt AFB, Neb; SSgt. Nicholas V. Gasbaro, AFGWC, Offutt AFB, Neb; SSgt. Harry R. Mihalko, AFGWC, Offutt AFB, Neb; SSgt. Douglas K. Goodwin, AFGWC, Offutt AFB, Neb; SSgt. Robert H. Powell, AFGWC, Offutt AFB, Neb; SSgt. Eugene C. Welch Jr., AFGWC, Offutt AFB, Neb;

NCO prep course:

A1C Robert J. Washington, Det 58, 5WS, Ft. Carson, Colo; SrA Matthew R. Norton (Dist Grad), Det 2, 31st WS, Ramstein AB, FRG; A1C Cherry Green, Det 2, 31st WS, Ramstein AB, FRG; SrA Wanda Morron, Det 11, 31st WS, Spangdahlem AB, FRG; A1C Kenneth D. Pierce, OL-A, Det 10, 7th WS, Wertheim AAF, FRG; SrA Richard A. Carpenter, OL-A, Det 6, 2nd WW, Bad Toelz, FRG; SrA Charleen Reihe, Det 10, 30WS, Kunsan AB, Korea;

Station Chief's School:

TSgt. Johnny W. Kicklighter, Det 20, 24th WS, Laughlin AFB, Texas;

Observer School:

AMN. John V. Houghton, Det 15, 24th WS, Vance AFB, Okla;

OJT Manager's Course:

TSgt. David L. Wyman, Det 18, 25th WS, Mt. Home AFB, Idaho;

Master's Degree:

Capt. David Saunders (Meteorology-Naval Post Graduate School), Det 6, 2nd WW, Vaillingen, FRG;

Associate Degree:

TSgt. David A. Morse, Det 5, 3rd WS, England AFB, La; MSgt. Alan McKee (Weather Technology, CCAF), Det 4, 26th WS, Loring AFB, Maine;

Retirements

Col. Ardith N. Wagley, HQ 5WW, Langley AFB, Va; Maj. Raymond Braguglia, HQ 5WW, Langley AFB, Va; TSgt. Robert A. Eads, Det 16, 25WS, Nellis AFB, Nev; Lt. Col. Steve L. Richter, Det 7, AFGWC, Carswell AFB, Texas; MSgt. Ernesto S. Nazareno, 6WS, Tinker AFB, Okla; MSgt. Dave Buerk, Det 16, 31WS, Zaragoza AB, Spain; SMSgt. D. Paul Nance, Det 9, 3WS, Tyndall AFB, Fla.;

Sgt. Jerry L. LaVoie, Det 14, 25WS, Holloman AFB, NM; MSgt. Michael H. A. Springer, Det 18, 25WS, Mt. Home AFB, Idaho; Sgt. Willie Mack, Det 19, 31WS, Incirlik AB, Turkey; SSgt. Paul N. Lajaurie, Det 12, 31WS, Torrejoan AB, Spain; Sgt. Beverly A. Karpan, Det 15, 24WS, Vance AFB, Okla; SSgt. Ronald C. Goode, Det 18, 25WS, Mt. Home AFB, Idaho; SSgt. Bruce Wylie, Det 14, 17WS, Norton AFB, Calif; SrA Andrew Barbitta, Det 5, 17WS, Dover AFB, MD; SMSgt. Marlin N. Mason, Det 7, 31S, Aviano AB, Italy; SSgt. Randy Brennan, Det 21, 2WW, Kapaun AS, FRG; SSgt. N. Paul Jackson, Det 21, 2WW, Kapaun AS, FRG; Sgt. La-Tanya Lajaurie, Det 12, 31WS, Torrejoan AB, Spain; Sgt. Edward J. Sheehee, Jr., Det 11, 1WW, Hickam AFB, Hawaii;

Heir Force

Nicole Anna to SSgt. and Mrs. Robert C. Stivers Jr., Det 15, 25WS, Luke AFB, Ariz; Riesa Danielle to Sgt. William A. and Dorothy Simpson, Det 14, 17WS, Norton AFB, Calif; Brett Christopher to A1C Mark and Vicki McMahn, Det 7, AFGWC, Carswell AFB, Texas; Jessica to SSgt. and Mrs. Benny S. Leal, Det 16, 25WS, Nellis AFB, Nev; Bryan Michael to Sgt. Florence Carmody, Det 16, 25WS, Nellis AFB, Nev; Debra Elana to SSgt. and Mrs. Thomas L. Wilcox, Det 11, 25WS, Cannon AFB, NM; Crystal Marie to SSgt. and Mrs. Bryan Goforth, Det 18, 25WS, Mt. Home AFB, Idaho; Emily Frances to A1C Kevin and Shena Kissel, Det 4, 216WS, Loring AFB, Maine; Brian to MSgt. and Mrs. Richard E. Riley, Det 10, 2WS, Eglin AFB, Fla; Joseph Vincent to 2nd Lt. and Mrs. Brian T. Sheehan, Det 10, 2WS, Eglin AFB, Fla; Susan to SrA Roberta A. and William J. Spangler, AFGWC, Offutt AFB, Neb;

Corey Paul to Capt. Nancy and TSgt. Holtgard, 5WW, Langley AFB, Va; Stephanie to SrA Michael I. and Lisa Hartman, Det 11, 5WS, Ft. Sill, Okla; Cassandra Jean to Capt. John C. and 1st Lt. Mary T. Pace, Det 21, 2WW, Kapaun AS, FRG; Michelle Karen to SSgt. John and Karen LaCorte, Det 4, 26WS, Loring AFB, Maine; Rachel Raelyn to Sgt. and Mrs. Richard W. Korich, Det 10, 25WS, Bergstrom AFB, Texas;

Innovative ideas and tough questions

"Our junior enlisted force is full of fresh, innovative ideas. They ask some tough questions — questions that need to be answered," said Col. George E. Chapman, AWS commander in an August message.

"I propose to take advantage of this by bringing some of our best young people

to HQ AWS for a two-day conference/orientation. My purpose is twofold," the commander's message continued. "First, to hear both their ideas and concerns about AWS and the Air Force. Second, to provide them with a broadened perspective of AWS and their role in it. The format will be informative and open — there will be no requirement for them to provide formal briefings, only that they be ready to participate in the discussions."

Using the commander's message, two first or second termers were selected from each wing. They represented a cross section of AWS. They were observers and forecasters from base weather stations, weather support units and in Army support. They were people representing the 50 non-weather AFSCs in AWS.

Airman's Forum attendees' received briefings by HQ MAC and HQ AWS people on subjects ranging from PME and promotions to future equipment and changing techniques in forecasting.

When asked what he thought about the conference in general, SSgt Frank J. Simon said, "I'm impressed by it." Answering a question about the information that was available, he said, "I think that the biggest thing is the push that AWS is doing as far as new equipment. Getting it out into the base weather station. AWDS, NEXRAD, a small Z-100 computer, temperature sets, everything. They're (the headquarters staff) just trying to modernize the weather station."

CMSgt Carl A. Roberts, MAC's Senior Enlisted Advisor stopped by to discuss his views toward the challenges facing MAC and to hear what concerned AWS' junior enlisted folks.

"Chief Roberts was really informative and I really enjoyed (his talking about) the breadth of it all," said A1C Stephen H. Turkovich III. "When you're sitting down at Eglin taking your observations and helping the forecaster, you're one tiny spoke in the big wheel. Then you get up here (at headquarters) and see how the bigger spokes and the cogs work, it's interesting," he added.

"The thing that I think was the best about the conference is getting answers from the top people. Instead of asking people who have to make (telephone) calls, you get it directly from the top and they know that they're talking about," said SrA Philip S. Knowles.

"I think it's very informative," said SSgt Debbie Patrick. "We've learned a

Sports shorts

Global golfers

Air Force Global Weather Central's Team No. 2 recently took top honors in the 1984 Offutt AFB, Neb., Intramural National League golf play.

To earn first place, the AFGWC team had to endure four-and-a-half hours of grueling match play. Members of the winning team were Randy Peterson (team captain), R.J. Bound Sr., Phillips Hanson, Steven Wilderotter, James Van Kovics, John Murphy, George Frew, Curtis Potter, Dennis Kwilinski, Stephen Schroeder and Gary Mercer.

Volksmarching

Volksmarchers from HQ 5th WW walked away with third place honors for the largest group in the Globalmarch IV held recently at Langley AFB, Va.

The volksmarch was co-sponsored by Langley MWR and the Peninsula Pathfinders, a local volksmarching club. Forty six marchers from 5th WW joined others on a scenic tour of Langley AFB.

Ramey softball

The DODs did it again! They won the softball competition at Ramey AS, Puerto Rico, for the fourth year in a row and the Coast Guard Station in Borinquen "Captain's Cup" for 1984.

The Captain's Cup series include darts, volleyball, basketball, racquetball and two softball seasons (early and late).

The DODs intramural team competes with four Coast Guard teams. Team members come from Det 3, 4th WW; OL-A, 2179 CG; AFROTC (UPR Mayaguez); AFROTC (campuses on the west half of Puerto Rico); US Air Force; US Army; and US Navy Recruiting units—i.e. DOD personnel at Ramey.



Col. George E. Chapman welcomes Forum attendees to HQ AWS.



CMSgt. Carl A. Roberts talks with members of the Airman's Forum.

lot about AWS and the problems each other has. Here we can bring those problems to the attention of the people who know the answers."

SrA Philip S. Knowles may have summed up the feelings for all the attendees when he said, "I think they ought to hold this for a lot more people. I hope this is not just a one time thing."

Attending the Airman's Forum were: A1C Terry Allen, SSgt. Robert J.

Currin, TSgt Mariano Delossa, A1C Leisa Fuller, SSgt Frank J. Hall, SrA Roger Johnson, SrA Philip S. Knowles, AMN Eddie P. Lacroix, SrA Lori J. McNamara, SSgt Debbie Patrick, SSgt Frank J. Simon, Sgt Raymond Souza, SSgt Rick Suggs, and A1C Stephen H. Turkovich III.

(For another view of the AWS Airman's Forum, see the "Chief's Comments" on page 2.)

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