

AWS units furnish support for oversea troop deployment

SCOTT AFB, Ill.—Air Weather Service recently furnished weather support for Exercise Freedom Vault, a joint combined exercise which included the airlift of U.S. based Army troops by the Military Airlift Command for air dropping in the Republic of Korea.

Exercise Freedom Vault, conducted March 3-6, was designed to demonstrate the capability to deploy United States Strike Command (USSTRICOM) units based in the U.S. to an oversea area rapidly and ready for immediate tactical operations.

Under simulated conditions of enemy attack, Republic of Korea forces were assisted by personnel of an airborne task force from the 82nd Airborne Division, Fort Bragg, N.C. Personnel of the 82nd and their individual equipment were involved in the trans-Pacific movement.

Weather service for the deployment and redeployment of Freedom Vault forces was a joint responsibility of the 1st and 7th Weather Wings. The 7th Weather Wing, headquartered at Scott AFB, Ill., is the organization which regularly provides

staff weather support for MAC airlift operations.

A 7th Weather Wing forecaster was on duty with the MAC Airlift Control Element (ALCE) at the initial on-load base to provide weather support for the deployment phase of the exercise. The 17th Weather Squadron's Twenty-second Air Force weather support unit at Travis AFB, Calif., furnished mission control forecasts for the deployment.

Responsibility for Pacific-area weather support for the exercise was handled by units of the 1st Weather Wing, headquartered in Hawaii. A key unit during the employment phase of the exercise was Detachment 18 of the 1st Weather Wing's 20th WSq. Weather information and advice from the Korea-based weather detachment figured prominently in last-minute operational decisions affecting the air drop.

AWS also drew upon resources of three of the other seven AWS wings—4th WWg., Ent AFB, Colo.; 5th WWg., Langley AFB, Va.; and 9th Weather Reconnaissance Wing, McClellan AFB, Calif.

The 4th and 5th Wings partici-

pated largely through weather stations under their control along the deployment and redeployment routes. WC-130 aircraft of the 9th Wing's 54th Weather Reconnaissance Squadron, Andersen AFB, Guam, flew weather scout reconnaissance missions for the employment phase of the exercise, including the drop zone itself.

As with all such exercises and operations, global weather data collected by AWS and other agencies and computer-processed by Air Force Global Weather Central (AGWC), Offutt AFB, Neb., was available for use by all forecasters for Freedom Vault support. This data and resulting weather products from the computer was moved from observer to weather central to forecaster by the high-speed Automated Weather Network (AWN).

1st WGP. names top SEA observer

PHU CAT AB, Vietnam — Recently promoted SSgt. Ronald L. Galy, of Muskegon, Mich., has been named the Air Weather Service Observer of the Year for Southeast Asia.

Sergeant Galy of Detachment 23, 30th Weather Squadron, was selected for the honor by the 1st Weather Group, parent unit of all weather detachments in Thailand and the Republic of Vietnam.

Sergeant Galy will now be evaluated with other observers from around the world for the Air Weather Service Observer Award.

"It's a good job," Sergeant Galy said. "The work is involved with key operations, and it's important. I like the responsibility. I feel I play an integral part in the job."

"When I am in the tower, I keep a continuous weather watch, and take observations whenever there is a significant change; otherwise I take readings at least every hour. We have to relay the current weather and winds to aircraft and to our forecasters."

According to his commander, Sergeant Galy has taken weather observations in record time. He also has maintained error-free performance in using weather code procedures, despite lack of experience. His map plotting and chart preparation have been commended by forecasters.

Winning laurels isn't new to Sergeant Galy. He was Airman of the Month at Minot AFB, N. D., received two Military Airlift Command Pride Awards for error-free performance at Minot and here, and has been nominated to be Phu Cat AB NCO of the Quarter.

Colonel Purdy becomes new AWS chief of staff

SCOTT AFB, Ill.—Col. Douglas C. Purdy has assumed duties as Air Weather Service chief of staff, succeeding Col. Arthur W. Anderson, who retired March 1.

Colonel Purdy, whose home town is Marshfield, Wis., was commissioned in 1943 through the aviation cadet program and during World War II served as an armament officer at Lowry AFB, Colo.

He received his meteorological training at New York University in 1947 and earned a bachelor's degree in general education from the University of Omaha in 1953.

In 1949 he attended the Air Tactical School at Tyndall AFB, Fla. Upon graduation from the Air Command and Staff College, Maxwell AFB, Ala., in 1958, he served as a faculty member there for four years.

Colonel Purdy had served as Air Weather Service deputy chief of staff for operations since February 1970 prior to which he

commanded the 7th Weather Wing, headquartered here.

Col. Edwin E. Carmell is Colonel Purdy's successor as deputy chief of staff for operations.



Purdy

Experts discuss dissipation of warm fog at conference

SCOTT AFB, Ill.—The Task Force on Warm Fog of USAF's Scientific Advisory Board met here Feb. 25 to discuss latest advances in research and to prepare guidelines for future Air Force efforts toward the capability to dissipate warm fog.

Visiting experts in the field of warm fog were headed by Dr. Richard W. Porter, General Electric's manager of scientific and technological affairs with GE's New York City-based Aerospace Group.

"In contrast to rather routine procedures now used to dissipate fog which forms at freezing temperatures or below, the Air Weather Service does not yet have operational capability to eliminate fog occurring at temperatures warmer than 32 degrees Fahrenheit," said Lt. Col. Thomas A. Studer, chief of AWS's aerospace modification division.

"Many areas of the world,"

said Colonel Studer, "are plagued by such so-called warm fogs, presenting major problems for military operations and sizable financial and logistical headaches to the aviation industry. Much research into the problem of dissipating warm fog has been carried out in recent years by meteorologists and cloud physicists from many interests — commercial, governmental, university and military."

Task force members included Brig. Gen. Kelton M. Farris, 436th Military Airlift Wing (MAC), Dover AFB, Del.; Dr. Francis S. Johnson, acting president of the University of Texas for Dallas; Dr. Larry G. Davis, manager, Environmental Systems Group, Sierra Research Corp., Boulder, Colo.; Dr. Patrick Squires, Desert Research Institute, Reno, Nev.; Dr. Bernard Vonnegut, State University of

(Continued on Page 8, Col. 1)



WARM SUNSHINE was the order of the day at Air Weather Service headquarters, although the subject was warm fog. AWS Commander Brig. Gen. William H. Best Jr., right, hosted a February meeting of the USAF Scientific Advisory Board's Warm Fog Task Force, headed by General Electric's Dr. Richard W. Porter, left.

(U.S. Air Force Photo)



PREPARING TO PROBE speed and direction of winds over the runway is SSgt. Ronald L. Galy of Detachment 23, 30th Weather Squadron at Phu Cat AB, Vietnam. Sergeant Galy, who is about to release a helium-filled balloon, was recently named Weather Observer of the Year in Southeast Asia. (Photo by Sgt. Joe Sanchez)

5th Weather Wing units support joint exercise

LANGLEY AFB, Va.—The 5th Weather Wing recently provided support to Bold Shot 4-71, a joint exercise which involved over 2,600 Army and Air Force personnel and more than 70 aircraft.

The United States Strike Command (USSTRICOM) exercise was held at Ft. Campbell, Ky., and Camp Mackall, N.C. It demonstrated the capability of USSTRICOM to respond rapidly with direct military assistance to a friendly country besieged by irregular aggressor forces.

U.S. Air Force units participating included tactical airlift and jet fighter elements from Shaw AFB, S.C., tactical airlift and reconnaissance elements from the Twelfth Air Force, and C-141 Starlifter jet transports of the Military Airlift Command. Army forces were from the 82nd Airborne Division, Ft. Bragg, N.C.

The TAC Forecast Center, Det. 2, 5th WWg., here, provided centralized forecasts and weather warnings during the deployment and redeployment phases.

During the employment, weather support was provided by the Joint Task Force Weather Center, composed of weathermen from the 5th WWg's 1st Weather Squadron.

Other 5th WWg. units participating in the exercise were the 3rd WSq., Shaw AFB, S.C.; 16th WSq., Ft. Monroe, Va.; and the 25th WSq., Bergstrom AFB, Tex.

The 3rd WSq., through its detachments 4, 12, 20, 31, 32 and 34, provided meteorological support to Air Force airlift forces and fighter reconnaissance elements.

Det. 3, of the 3rd WSq., Ft. Bragg, provided meteorological support including forward artillery firebase weather observations to the commander of Army forces.

The 25th WSq., through its detachments 13, 35 and 36, supported airlift and reconnaissance aircraft during deployment. The highlight of the exercise was a parachute assault and air land operation that seized and secured their objective Camp Mackall, N.C. This included airmobile operations supported by tactical air power and artillery on the Ft. Bragg military reservation.

Weathermen from the 1st WSq. parachuted in with the Joint Task Force and those from Det. 3, 16th WSq. jumped with Army aggressor forces.

Weather scientists guest speakers

WIESBADEN AB, Germany—Air Weather Service meteorologists from 2nd Weather Wing headquarters, here, were guests January 19 of the German Geophysical Service located at Porz-Wahn, Germany.

Dr. Ingrid Wiess, chief of climatology for the Geophysical Service, invited Maj. Thomas D. Damon, chief of scientific services for 2nd WWg. and CMSgt. Robert E. Miller, chief of climatology for the wing, to address the German scientists.

Major Damon discussed "Solar Flares and the Air Weather Service Solar Network." Sergeant Miller's topic was "The Application of Meteorological Satellite Data to Classical Climatology."

Approximately 35 meteorologists attended the seminars including Dr. Heinrich Renier, director of the Geophysical Service and the retired Director Dr. Oskar Moese.

Fund-campaign to be conducted until April 30

SCOTT AFB, Ill.—The International Service Agencies and the National Health Agencies will conduct concurrent voluntary fund-raising campaigns at all Federal installations in the United States and Puerto Rico where a Combined Federal Campaign was not held last fall.

The on-the-job campaigns may be held in any continuous six-week period between Jan. 1 and April 30, except in locations where the Red Cross conducts a separate March campaign. In that case, they will be held from Jan. 1 to Feb. 15.

This will be the last time that the International Service and National Health Agencies will be authorized separate drives, in view of the Civil Service Commission policy decision to make the Combined Federal Campaign concept throughout the Federal government. This fall, all groups will solicit contributions together in a Combined Federal Campaign which will thereafter be conducted annually each fall.

Secretary of Defense Melvin R. Laird strongly endorsed the purposes of the voluntary agencies in his recent memorandum to the secretaries of the military departments. "We all benefit," he said, "from the progress made by the National Health Agencies in fighting disease and finding cures through its program of research, medical service and public and professional education. And we benefit from the work of the International Service Agencies which help millions of people around the world help themselves in the cause of human dignity and freedom."

Health plan means savings to servicemen

SCOTT AFB, Ill.—Substantial savings to CHAMPUS beneficiaries will result from a new interpretation of billings for orthodontic care.

Officials of the Civilian Health and Medical Program of the Uniformed Services will now consider billings made on a quarterly basis for orthodontic care under the program for the handicapped as having been incurred during the month the bill was submitted, even though the services billed for may have been provided during each of the months comprising the quarter in question.

Under the CHAMPUS program for the handicapped, available only to authorized dependents of active-duty personnel, the sponsor has a fixed cost-sharing obligation based on his pay grade.

For example, the cost-sharing obligation for an E-6 is \$30 a month. If the orthodontist's month's charge was \$35, the serviceman would pay \$30 and the government would pay \$5. Under the new ruling, if the billing is made on a quarterly basis, the charge would be \$105. The serviceman's cost would remain at \$30, with CHAMPUS paying \$75.

AWS DCS/Comptroller



COL
STEVEN PUSKAS JR.
DCS/COMPTROLLER
HEADQUARTERS
AIR WEATHER SERVICE
SCOTT AFB, ILL.

A GRADUATE OF WASHINGTON STATE UNIVERSITY WITH A BACHELOR OF SCIENCE DEGREE IN BUSINESS ADMINISTRATION AND ECONOMICS.

COMMISSIONED IN 1943 THROUGH OFFICER CANDIDATE SCHOOL.

FOR SIX AND ONE HALF YRS. SERVED IN THE JOINT COMMAND OF NORAD.

ATTENDED THE STATE DEPARTMENT LANGUAGE SCHOOL IN 1954, STUDYING SPANISH. LATER SERVED AS MISSION ADVISOR & MAAG OFFICER TO PERU.

OTHER MILITARY SCHOOLS ATTENDED ARE THE TACTICAL SCHOOL AT ORLANDO, FLA., AND ARMY MANAGEMENT SCHOOL, FT. BELVOIR, VA.

HAS TWO SONS, ONE ATTENDING WASHINGTON STATE COLLEGE, WASH., AND THE OTHER LONGBEACH CITY COLLEGE, CALIF.

RESIDES WITH WIFE, SYLVIA, AT SCOTT AFB, ILL.

HOBBIES INCLUDE GOLFING, BOWLING AND MODEL ACFT & CAR BUILDING.

CMSgt. of 2nd Wing



CMSgt.
SHEPARD M. HUMSTON
2ND WEATHER WING
RHEIN-MAIN/
WIESBADEN, GERMANY.

HOME TOWN, MARIETTA, OHIO.

A 20 YR. VETERAN, HIS ENTIRE CAREER HAS BEEN ASSOCIATED WITH WEATHER. AMONG OTHER DUTIES, HE IS NCOIC OF SCIENTIFIC SERVICES, 2ND WEATHER WING.

CHAIRMAN (1970-1971) OF THE RHEIN-MAIN/WIESBADEN CHAPTER OF THE AMERICAN METEOROLOGICAL SOCIETY.

GRADUATED WITH A B.S. IN MATHEMATICS FROM THE UNIVERSITY OF NEBRASKA IN 1966. UNDER OPERATION BOOTSTRAP.

I SAW A RARE COIN.

SERGEANT HUMSTON RESIDES WITH HIS WIFE, ELLA, HIS DAUGHTERS TWILA AND BLAYNE AND SON MICHAEL IN WIESBADEN, GERMANY.

HOBBIES INCLUDE PAINTING, NUMISMATICS, ARCHEOLOGY, & GENEALOGICAL RESEARCH.

Team launches balloons despite severe earthquake

GOODFELLOW AFB, Tex.—Members of Detachment 31, 6th Weather Wing, here, completed a series of five balloon launches at Albrook AFB, Panama Canal Zone, in January despite the most severe earthquake in 88 years.

The tremor Jan. 19 was centered only 35 miles from Albrook. Only minor damage occurred, despite a reading between 5 and 5.5 on the Richter scale. A reading of 6-8 is rated as "moderately destructive."

The weather team, led by Detachment Commander Lt. Col. Eugene B. Lewis, released balloons for the U.S. Atomic Energy Commission's Project Cold Ash, conducted to gather atmospheric samples.

Early morning launches were the rule, with the team conducting the first launch Jan. 13 at 2 a.m. Most of the releases occurred between 5:30 a.m. and 6 a.m. in order to complete the sampling period and recovery before late morning thunderstorms developed in the recovery area.

Balloons ascended to altitudes of 70,000 to 105,000 feet and were recovered in mid-air parachute descent by specially equipped HC-130 Hercules aircraft from the 41st Aerospace Rescue and Recovery Squadron, Hamilton AFB, Calif.

The group returned to Texas Jan. 22 after spending 16 days on the project, which is conducted three times each year.



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BRIG. GEN. WILLIAM H. BEST Jr.
Commander, Air Weather Service

CAPT. TERENCE MAYER, Director of Information

MSGT. JAMES ROZANSKI, Managing Editor

A1C DENNIS KEANE, Editor

New weather techniques used during recent Apollo recovery

SCOTT AFB, Ill.—Two advanced weather techniques developed by the Air Weather Service were employed by the National Weather Service's Spaceflight Meteorology Group to prepare weather forecasts for the recovery of Apollo 14.

A computer-produced global weather analysis and a weather satellite cloud climatology study were among aids used by forecasters to produce Apollo 14 landing area weather predictions.

The global weather analysis, devised by Maj. Thomas W. Flattery, liaison officer with the National Meteorological Center (NMC), Suitland, Md., was used in conjunction with a forecast model developed for Apollo by Lloyd W. Vanderman of NMC's Development Division.

The technique, conceived by Major Flattery while he was a doctoral candidate in geophysics at the University of Chicago, was calculated to produce a more representative portrayal of recovery zone weather conditions than would have been possible using conventional methods of weather analysis.

Conventional weather analysis relies on relatively large numbers of observations collected at specific times and places. In the northern hemisphere, where most

previous manned space missions had landed, conventional observations are relatively plentiful and normal analysis techniques are adequate, according to AWS meteorologists.

Apollo 14's South Pacific landing site about 900 miles south of American Samoa confronted weathermen with the problem of obtaining sufficient data to prepare a reliable forecast. Standard weather observations, on which analyses and forecasts are based, are scarce throughout much of the southern hemisphere. Broad ocean expanses have made it impractical to establish permanent observing networks of sufficient density. Thus, conventional analysis tends to be unreliable in these data-sparse regions.

The new computerized global analysis technique compensates for missing data by subjecting the data to a complex series of mathematical computations. When these formulas are processed in the computer it is possible to produce a relatively accurate description of global weather patterns from which forecasts for specific areas can be made.

Estimates of cloud conditions for the recovery area, an important factor in establishing visual contact with the descending Apollo 14 spacecraft, were derived

from a weather satellite cloud climatology study produced under the supervision of Maj. Donald B. Miller. Major Miller is an Environmental Technical Applications Center liaison officer with the National Environmental Satellite Service (NESS), Suitland, Md.

The study, produced on NESS computers, depicted cloud conditions for the recovery zone and adjacent areas, including mean cloudiness and the degree of cloud cover, from unlimited ceiling to complete overcast. It was based on a historical analysis of NESS weather satellite photographs of the area for the years 1967-1970 and available reports from aircraft, ships and island weather observing stations in the region.

With the limited number of conventional observations available in the South Pacific, AWS meteorologists point out that the weather satellite is virtually the only means of obtaining sufficient cloud data for such a study.

Major Miller originally developed the satellite cloud climatology procedure for supporting Air Force operations in Southeast Asia. According to AWS officials, a comparison with statistics from conventional observing networks indicates a high degree of reliability for the technique.



DISCUSSING CLOUD PHOTOS is Maj. Donald B. Miller, a liaison officer with the National Environmental Satellite Service, Suitland, Md. Major Miller developed a satellite cloud climatology procedure for estimating cloud conditions in the recovery area, an important factor in establishing visual contact with the descending Apollo 14 spacecraft. (U.S. Air Force Photo)

Accola surname stays with AWS

ENT AFB, Colo.—For twenty-eight years there was only one "Accola" in the USAF Register—that is until May 31, 1969. On that date Thomas D. Accola, chemistry, math and physics major from the University of Northern Colorado, Greeley, Colo., was commissioned a second lieutenant in the United States Air Force.

The other Accola in the register is Tom's father, Col. Jacob P. Accola, who retires at the end of this month from Air Weather Service, after more than 30 years of Air Force service. And then again—there will be only one.

Lieutenant Accola was born July 21, 1947, while his father was attending weather school at Chanute AFB, Ill., and later recalls being the first dependent at Wethersfield AB in Northern England.

He graduated from American High School in London and began college before leaving England. Lieutenant Accola received his meteorological training at St. Louis University and has been assigned as a weather forecaster at 4th Weather Wing's Detachment 6, Peterson Field, Colo., since August 1970.

Colonel Accola is presently director, physical sciences division, Hq. Air Weather Service, Scott AFB, Ill.

"Even if my father had not been in weather I probably would have gotten into it," says Lieutenant Accola. "I had enjoyed mov-

ing around with my parents and was interested in a service career. I like the constant change and variety one encounters in analyzing and forecasting weather which, with my chemistry, math and physics background, made weather an ideal field for me."

In addition to his weather officer responsibilities at Peterson Field, Lieutenant Accola is the United States Air Force Academy's weather officer and also an instrument school instructor at Peterson Field.

Policy to travel to see ill relative broadened by AF

WASHINGTON (AFNS)—The policy of allowing Government travel for next of kin and one other member of the family to the bedside of a seriously ill or injured service member in cases where a surgeon or physician determines such presence to be warranted has been broadened.

The broadened guidelines announced in February by Air Force transportation officials now include travel for next of kin residing in overseas areas back to the United States, and in some cases between overseas areas.

Local transportation officials have details on this policy.

NCO Academy names three to top ten percent

SCOTT AFB, Ill.—Three of the 13 weathermen who recently graduated from the 117th class of the Military Airlift Command's NCO Academy graduated in the top 10 percent of their class. They are MSgt. John R. Orlando, Air Force Global Weather Central, Offutt AFB, Neb.; MSgt. Franklin A. Van Hemert, 53rd Weather Reconnaissance Squadron, Ramey AFB, P.R.; and SSgt. John J. Hirning, Detachment 8, 28th Weather Squadron, RAF Mildenhall, England.

Other Air Weather Service personnel graduating in Class 71-5 were: MSgt. James B. McKenzie, Det. 1, 16th WSq., Ft. Campbell, Ky.; MSgt. Loren M. Stoltz, Det. 24, 9th WSq., Francis E. Warren AFB, Wyo.; TSgt. William O. Brooks, 1st WSq., MacDill AFB, Fla.; TSgt. Ernest M. Brown, Det. 6, 4th Weather Wing, Ent AFB, Colo.; TSgt. Leo J. Glenon Jr., 54th WRSq., Andersen AFB, Guam; TSgt. William E. Green, Det. 2, 17th WSq., Travis AFB, Calif.; TSgt. Stephen R. Hardt, 7th WSq., Heidelberg, Germany; TSgt. Howard B. Hayes, 56th WRSq., Yokota AB, Japan; TSgt. Arthur W. Marquette III, Det. 11, 20th WSq., Itazuke, Japan; and TSgt. Larry M. Means, AFGWC, Offutt AFB, Neb.

Brig. Gen. Kelton M. Farris, commander of the 436th Military Airlift Wing, Dover AFB, Del., was guest speaker at commencement exercises. The 130 NCO Academy graduates in this class brought the alumni count to 14,271.



MOMENTARILY TAKING TIME OUT for the photographer from his duties as liaison officer with the National Meteorological Center, Suitland, Md., is AWS Maj. Thomas W. Flattery. Major Flattery devised a computer technique for sparse-data weather analysis used by the National Weather Service's Spaceflight Meteorology Group to prepare southern-hemisphere weather forecasts for Apollo 14 recovery. (U.S. Air Force Photo)

Outstanding unit receives Army commendation award

LONG BINH, Vietnam—Personnel officials here have announced that OL-2, Det. 31, 5th WSq., has been awarded the Army Meritorious Unit Commendation Award for the period Feb. 1, 1967, through July 31, 1968.

Portions of the citation read as follows: "The officers and men of the command demonstrated sound judgment and technical skill in providing weather information support to tactical units of the 1st Cavalry Division (Airmobile). Applying their versatility and re-

sourcefulness to the challenging demands of their unique mission, they excelled in the collection and dissemination of pertinent weather data and greatly enhanced the effectiveness of rotary and fixed-wing aircraft in all phases of combat conditions."

Individuals who served with OL-2, Det. 31, during the period of the award can receive copies of the award order by writing 5th Weather Squadron, Hq. USARV (DCS OPS-1&S), APO San Francisco, 96375.

We don't want to twist your arm, just open your eyes.

You know the score. You've been in the service long enough. So we'd be foolish to tell you everything in the Air Force is great.

It's not.

But the fact is it's not bad either. For instance, how many people have your kind of security? Or the recreation facilities available on base? The friends you've made... where else could you meet so many different people? And regular pay. How many people's pockets will never fail to jingle?

Didn't you learn a fine skill? And if you don't like your job... surely we have the right one for you.

You get the world's best medical care. And retirement.

And you get to travel. And not just to the next town. And 30 days' paid vacation every year? How many people get that?

Take a good look at all you've got.

Then maybe you'll shut your eyes to the little you haven't.

UNITED STATES AIR FORCE



OPERATING LOCATION B, Detachment 32, 5th Weather Squadron, may not be the Ritz, but to the men of the Army Third Brigade it's a sand-bagged oasis. Manned by two observers who support

the tactical operations center of the 1st Cavalry Division's 3rd Brigade, OL-B is a welcome site to the in-country traveler.

(U.S. Air Force Photo)

Jungle oasis offers unique service to Army visitors

FIRE SUPPORT BASE MACE, Vietnam — When you're number two you try harder. When you're number three you have to go all out. That's the philosophy which guides the two observers who constitute Combat Weather Team 3 of Operating Location B, Detachment 32, 5th Weather Squadron, at this fire support base at the foot of Nui Chua Mountain, 50 miles east-northeast of Saigon.

The basic job of SSgt. William M. Scheib and Sgt. Lee H. Batsel Jr. is to provide weather service to the tactical operations center of the 1st Cavalry Division's (Airmobile) 3rd Brigade. While doing so, they have gone all out to improve their living and working environment and provide that "extra" service which marks them "Number One" in the eyes of many brigade members.

Last fall living and working quarters for the two weathermen consisted of one general purpose tent which offered scant protection against the tropical heat and driving monsoon rains, not to

mention enemy rocket and mortar attacks.

After securing a pair of basic multiplate pipe arch shelters from the cavalymen, and with an occasional assist from fellow members of OL-B or Det. 32, Sergeants Scheib and Batsel set out to make their facility as safe and comfortable as possible.

Using ammunition cases and other salvaged materials, they floored and walled their quarters. Then they sandbagged the hut which is located near the fire support base's helipads, a favorite target of enemy gunners. The sandbagging not only offered protection from rocket and mortar attacks but effectively lowered the interior temperature by as much as 10 degrees.

The weather hut's location near the center of the base complex made it a logical stopping place for brigade travelers. As a courtesy to their Army visitors, the two Air Force weathermen soon were providing some of the services normally associated with an

aerial port detachment, including cold soft drinks obtained from the nearest exchange facility some 10 miles distant. Through their direct phone contact with the control tower, they have also been able to assist in arranging air transportation for brigade members traveling to Phuoc Vinh, Long Binh or Bien Hoa.

According to Maj. Robert W. Gossett Jr., commander of Det. 32, the two proprietors of the sandbagged oasis at Fire Support Base Mace have established a reputation for versatility and accomplishment.

Crewmen cited for safe flying

SCOTT AFB, Ill. — Seven AWS officers are among 109 crewmen recently cited by Military Airlift Command for achieving 5,000 accident-free flying hours.

Awards to the individuals for attaining the distinctive safety record include symbolic pins, patches and letters of commendation.

Safety officials noted that the awards identify the weather officers as members of an elite group whose hard work, training, skill and mature judgment are an example of the professional airman-ship necessary to MAC's global mission.

AWS officers cited are Lt. Col. Joseph C. Thompson Jr., 53d Weather Reconnaissance Squadron, Ramey AFB, P.R.; Maj. Norman E. Davis and Maj. Norman L. Farmer, both from the 53d WRSq.; Maj. Joseph W. Martin Jr., 56th WRSq., Yokota AB, Japan; Capt. Paul R. Prescott, Capt. James R. Spenrath and Capt. James E. Woodward, all from the 53d WRSq.

Airmen save life of Austrian skier

AVIANO AB, Italy — An Austrian skier's life was saved through the unusual combination of another man's broken ankle and the presence of two young American airmen.

SSgt. William Stewart and A1C Joseph Tiano assigned to Detachment 8, 21st Weather Squadron, here, were spending a Sunday afternoon skiing at Corvara, Italy.

Late in the afternoon, with the crowd on the slopes thinned out, they were making a fast run. Flashing around a bend they came upon a group of people attending a skier with a broken ankle. To avoid them, they shot off the side of the slope into deep powdered snow.

While looking for Stewart, Tiano noticed a pair of skis sticking through the snow in a nearby ravine. He first assumed they belonged to the skier with the bro-

ken ankle, until he noticed a movement.

Calling for help he jumped in to the ravine and worked his way through chest deep snow to the skis.

He started digging with his hands while Stewart tried to explain to the people nearby. Working his way down the completely upside down skier's body Tiano uncovered an air passage with difficulty as the powdered snow kept falling back into the excavation. When he managed to clear a passage, the man's lips were purple from lack of air.

Stewart returned with help and among them they managed to dig the man out and get him out of the ravine. Once back on the slope, the fortunate skier was found to be suffering with nothing more than the cold and a scare from his close call.

Freedoms Foundation offers writing contest to military

WASHINGTON (AFPS) — Servicemen and women — active duty and reserve — have a chance to tell what it means to be an American in this year's Letter Awards Program sponsored by the Freedoms Foundation.

Letters must not exceed 500 words and must include the service member's name, rank, social security number, complete military and home addresses and branch of service or reserve component.

All entries should be sent to Freedoms Foundation, Valley Forge, Pa., 19481. The deadline is Nov. 1.

The two top winners — one on active duty and one a reservist — will earn \$1,000 each and will be awarded the George Washington Honor Medal.

There are an additional 50 awards of \$100 and 50 awards of \$50 accompanied by the George Washington Honor Medals.

The Observer regretfully announces the death of Frank R. Shearouse, 40, supervisor of the Methods and Quality Section of ETAC's Data Processing Division, Asheville, N.C.



BUSTING OUT WITH PRIDE is Detachment 38, 25th Weather Squadron. The detachment weathermen recently added the annual Pride Scoreboard Award to their collection of awards. Some of those responsible for winning the award are from left to right, MSgt. Robert Lind, chief observer, SSgt. Donald Owens, detachment clerk, Maj. C. S. Panos, Det. 38 commander, TSgt. James McKnight, NCOIC of Maintenance and TSgt. Maron C. Cropper, head of the forecasting section. (U.S. Air Force Photo)



WORKING AT THE TELETYPE is Airman Judith Anne Hurst, one of four newly assigned WAF observers to Detachment 2, 5th Weather Wing, Langley AFB, Va. (U.S. Air Force Photo)



RECEIVING PRIDE AWARD from Col. D. L. Weatherwax, TUSLOG Detachment 10 commander, is Mrs. Gulsen Baughman, wife of TSgt. Paul Baughman, the detachment chief observer. She received the medal for acting as interpreter during recent acquisition of much needed climatological data from the Turkish Meteorological Service. (U.S. Air Force Photo)

Focusing On People



DECORATED BY HIS DETACHMENT COMMANDER, Lt. Col. Gilbert N. Woods, is SSgt. Robert W. Lehnherr. The Air Medal was presented for performance under extremely hazardous conditions during an aerial flight that contributed materially to the mission in Southeast Asia. (U.S. Air Force Photo)



DISCUSSING THEIR FUTURE are three distinguished graduates of the Twenty First Air Force NCO Leadership School. Assigned to Detachment 10, 15th Weather Squadron, McGuire AFB, N.J., they are from left to right, SSgt. Kelley, SSgt. Miranda and SSgt. Hauber. (U.S. Air Force Photo)



FORECASTER OF THE YEAR meets the Observer of the Year. Both from Detachment 21, 1st Lt. John H. Cate and Sgt. David R. Eatwell were named top forecaster and observer for 1970 by 9th Weather Squadron, March AFB, Calif. Sgt. Eatwell was also named 3rd Weather Wing Observer of the Year. (U.S. Air Force Photo)



DEMONSTRATING INNOVATIVE TECHNIQUES of in-depth 175-1 pilot briefings are Capt. Joseph McDonald, detachment commander, and Chief Forecaster, TSgt. Robert Lovelady, Det. 36, 25th Weather Squadron, Mt. Home AFB, Idaho. (U.S. Air Force Photo)



\$25,000 GOES A LONG WAY, may be just what these sergeants are thinking. The five sergeants—all from the 55th Weather Reconnaissance Squadron, McClellan AFB, Calif.—received the combined bundle upon reenlistment under Project Leader. At left is Col. Ralph S. Saunders, commander of the 9th Weather Reconnaissance Wing,

who reenlisted the sergeants: Sgt. Kenneth Smith, Sgt. George R. Harris and Sgt. Timothy McKeever, and WC-130 crew chiefs; Sgt. Scott Miller, WC-130 aircraft mechanic and SSgt. Jimmie E. Veitz, WC-130 crew chief. At right is Lt. Col. Carlton F. Garlock, 55th WRSq. commander.

(U.S. Air Force Photo)

Squadron, wings support mock ground and air battle

ELMENDORF AFB, Alaska—While the equivalent wind chill temperature plummeted to 95 degrees below zero, weathermen from the 11th Weather Squadron and the 5th and 7th Weather Wings supported the Alaskan Air Command's (AAC) annual cold-weather field training exercise Acid Test III, conducted in late December.

The mock ground and air battle, staged near Ft. Greely, Alaska, was designed to train forces to operate effectively in an extremely cold arctic environment.

Participating units included forces of the U.S. Army, Alaska; AAC's 43rd Tactical Fighter Squadron and 17th Tactical Airlift Squadron; 183rd Tactical Fighter Group, Illinois Air National Guard (ANG); the 155th Tactical Reconnaissance Group,

Nebraska ANG; 136th Air Refueling Wing, Texas ANG and the Canadian Mobile Command.

The 11th WSq., here, provided support, including mission control forecasts, for the entire exercise. Units deploying from Continental United States were supported by the 5th WWg., Langley AFB, Va., and 7th WWg., Scott AFB, Ill. Units deploying from Canada were assisted by the Canadian Meteorological Service.

A weather observing site was established at Ft. Wainwright Army Airfield, Alaska, to support the exercise airlift. Two forecasters from Detachment 5, 17th Weather Squadron, McChord AFB, Wash., provided support to the Ft. Wainwright Airlift Control Element (ALCE).

Furnishing observing services at Ft. Greely's Allen Army Air-

field were the Federal Aviation Agency and the National Weather Service, augmented by three 11th WSq. noncommissioned officers.

Other exercise participants were provided weather information by Det. 2, 11th WSq., Eielson AFB, Alaska, and Operating Location L, 11th WSq., Ft. Wainwright, which deployed to Ft. Greely for this exercise.

There were no aircraft accidents or incidents throughout the operation, and cold injuries to ground personnel were few.

The unique weather conditions which the 11th WSq. had to contend with were evident during a paratrooper conducted in nearly calm surface wind conditions while winds gusted to 35 knots only seven miles away.

Winter motorists need more caution

by SSgt. Wayne Gerhardt
6th Weather Wing Operations
(Editor's note: The following is the second in a series of three editorials written by Sergeant Gerhardt about safe winter driving. AFNS credit was erroneously given to the first editorial. Sorry.)

Now that old man winter has arrived and many motorists are using the highways, you, the "smart driver," have many opportunities to prove your driving skill while at the same time enjoying yourself to the fullest.

Where a lesser man might concede his right of way to avoid an accident or near accident, you show "great intelligence" by bullying your way through the situation. Why should you be concerned with the welfare of other drivers who probably aren't concerned with yours?

Just imagine how much stronger and mightier you will feel by having defeated a lesser man in your daily contest of driving. After all, it's him against you, isn't it?

And be sure to take time this winter to view all the winter wonders (snow scenery, girls fighting the cold, etc.). What an excellent opportunity this is to show your ability to do two things at once. Instead of parking your automobile to view a particular winter wonder, just imagine how much more impressive you will look as you try to drive your car and look at various sights at the same time. Other drivers will envy this great ability until the time you run a red light because of poor attention and possibly are involved in an accident.

But, always remember how much fun you are having as you calmly sink your front bumper four feet into the rear of the car ahead of you.

With the winter winds blowing strongly in many areas, pedestrians will be trying to keep warm and not watching the traffic. Safe,

careful drivers realize this and drive with extra care. However, imagine the surprised, frightened look on their faces as you go screaming by in your two-ton missile.

Think of how much fun you will have remembering how close you came to that old man who was crossing the street as the jailer locks you behind bars for manslaughter. Oh, well! It was fun while it lasted.

Santa Ana sets record

SCOTT AFB, Ill.—You have all heard about the weather picnic that was rained out! Well, the San Bernardino-Riverside chapter of the American Meteorological Society was having its bi-monthly meeting at the Norton AFB golf club. Mr. Milton Rasmussen, forecaster at Norton, was the guest speaker and was describing the Santa Ana, which is the local name for strong, gusty desert winds in Southern California.

He had just remarked that the strongest wind recorded at Norton AFB during the last 10 years was 51 knots when the venetian blinds suddenly began rattling and banging, curtains flapped, furniture vibrated and the entire building shook. An earthquake? —No!—a Santa Ana had just hit and established a new record of 52 knots.

Buy bonds . . .

Here today, gone tomorrow . . . that's the story of most people's paycheck nowadays. Make sure that your tomorrows won't be payless . . . buy U. S. Savings Bonds today. Remember, they now pay 5½ per cent interest when held to maturity of 5 years and 10 months.

Weathermen report 21 births

MERREL, 1st Lt. and Mrs. James P., a son. Father assigned to Det. 11, 31st WSq., Bitburg AB, Germany.

LUTES, Sgt. and Mrs. James D., a son. Father assigned to Det. 1, 17th WSq., Tinker AFB, Oklahoma.

HEATHWOLE, SSgt. and Mrs. Wotan L., a son, Eric M. Father assigned to Det. 34, 26th WSq., Dyess AFB, Tex.

SULLIVAN, Capt. and Mrs. Albert, a daughter. Father assigned to Hq. 3rd WWg., Offutt AFB, Neb.

GATES, SSgt. and Mrs. Harvey L., a daughter, Lisa Ann. Father assigned to Det. 20, 9th WSq., Beale AFB, Calif.

SCOTT, 1st Lt. and Mrs. Jerry D., a son, Garrett Clayton. Father assigned to Det. 9, 16th WSq., Fort Rucker, Ala.

COLLINS, SSgt. and Mrs. Robert W., a son, Christopher Michael. Father assigned to Det. 75, 5th WWg., Hurlburt Field, Fla.

MEYER, A1C and Mrs. Roger J., a son, Jason Edward. Father assigned to 9th WSq., March AFB, Calif.

PAWLUKEWICH, Sgt. and Mrs. Gary W., a daughter, Sherri. Father assigned to Det. 36, 25th WSq., Mountain Home AFB, Idaho.

CAREWAY, Capt. and Mrs. Harold A., a son, Robert Sean. Father assigned to Det. 35, 3rd WSq., Homestead AFB, Fla.

MASON, SSgt. and Mrs. Marlin N., a son. Father assigned to Det. 16, 16th WSq., Fort Leavenworth, Kan.

RODREGUEZ, TSgt. and Mrs. Sergio J., a daughter, Patricia. Father assigned to Det. 28, 25th WSq., Ellington AFB, Tex.

COUGHRAN, SSgt. and Mrs. Benjamin L., a daughter, Jennifer Lynn. Father assigned to Det. 28, 25th WSq.

VAN ALSTYNE, SSgt. and Mrs. Kenneth B., a son. Father assigned to Det. 22, 24th WSq., Keesler AFB, Miss.

DITTBERNER, Capt. and Mrs. Gerald J., a son, Matthew. Father assigned to AFGWC, Offutt AFB, Neb.

GONZALEZ, SSgt. and Mrs. Hector E., a daughter, Iisha. Father assigned to Det. 30, 6th WWg., Vandenberg AFB, Calif.

OESTERBERG, 1st Lt. and Mrs. Lloyd N., a son, Eric James. Father assigned to AFGWC, Offutt AFB, Neb.

KAHLER, 2nd Lt. and Mrs. Jon P., a son, Norman Andrew. Father assigned to Det. 9, 16th WSq., Fort Rucker, Ala.

MCCORMICK, SSgt. and Mrs. Earle L., a son. Father assigned to AFGWC, Offutt AFB, Neb.

BUTTERY, SSgt. and Mrs. William G., a daughter, Mary Elizabeth. Father assigned to AFGWC, Offutt AFB, Neb.

KOWRACH, TSgt. and Mrs. Raymond R., a daughter, Mariska Michelle. Father assigned to Det. 8, 21st WSq., Aviano AB, Italy.



ONE-OF-A-KIND PHOTO shows a jet-age sun spot. The photograph was taken by the automatic camera on a Razdow telescope at 1st Weather Wing's Palehua Solar Observatory near Barbers Point. The camera takes one picture per minute and the chances of taking such a photo automatically are very small. The observatory was watching the sun for eruptions which might have affected the Apollo 14 moon mission. (U.S. Air Force Photo)

Awards and decorations

Legion of Merit

Col. Arthur W. Anderson, Hq. AWS.
Meritorious Service Medal
 Col. Tedd L. Bishop, 56th WRSq.
 Lt. Col. Duane F. Ohmann, 21st Composite Wing.

Lt. Col. Raymond B. MacQueen, Det. 14, 7th WSq.
 Maj. Dennis L. Grunlorad, 54th WRSq.

Capt. Richard D. Stonemark, Det. 13, 20th WSq.
 CMSgt. Frank J. Brzeczek, Det. 14, 7th WSq.

Bronze Star

Maj. Larry J. Kluth, Det. 3, 30 WSq.
 Capt. Thomas J. Andrew, Det. 17, 10th WSq.

Capt. Johnny R. Belbhar, 1st WGP.
 Capt. Barry C. Evans, 625th ABSq.
 Capt. Jerry B. Gladden, Det. 14, 1st WGP.

Capt. William L. Huffman, Det. 22, 30th WSq.

Capt. John M. Huck, Det. 37, 5th WSq.

Capt. Robert N. Morikado, 1st WGP.
 Capt. Warren L. Nielsen, OL-B, 5th WSq.

Capt. Vernon L. Swing, Det. 8, 5th WSq.

Capt. Melvin L. Turner, 1st WGP.
 Capt. William B. Wright, 5th WSq.
 CWO Manuel D. Vital, 1st WGP.

TSgt. Richard A. Reedy, Det. 30, 10th WSq.
 SSgt. Andrew J. Ward, 1st WGP.

Air Medal

Lt. Comdr. Jesus B. Tupaz, OL-A, 1st WGP.

Maj. William Wallace, OL-A, 1st WGP.

Capt. Gerald D. Beck, 54th WRSq.
 Capt. Ted S. Cross, OL-A, 1st WGP.
 TSgt. John W. Kosick, (first oak leaf cluster), 54th WRSq.

Air Force

Commendation Medal

Lt. Col. Earl J. Andrew, (first oak leaf cluster), 9th WRSq.

Maj. Stephen G. Calder, 54th WRSq.
 Maj. William C. Christian, (second oak leaf cluster), 54th WRSq.

Maj. Donald M. Denton, 9th WRSq.
 Maj. Robert M. Fletcher, (first oak leaf cluster), Det. 20, 3rd WSq.

Maj. Robert L. Lince, (first oak leaf cluster), 58th WRSq.

Maj. John W. Reames, Det. 40, 28th WSq.

Maj. Leroy H. Schneider, 182nd Weather Flight.

Maj. James S. Smith, (first oak leaf cluster), 54th WRSq.

Maj. Kenneth J. Van Hulla, (first oak leaf cluster), Det. 4, 26th WSq.

Capt. Nixon A. Adams, Hq. AWS.
 Capt. Ronald R. Brown, 20th WSq.
 Capt. David F. Conree, Det. 5, 30th WSq.

Capt. Preston G. Epperson, AFGWC.
 Capt. Charles W. Giddens, Det. 40, 28th WSq.

Capt. Ronald T. Giza, Det. 48, 4th WSq.

Capt. James O. Hull, 56th WRSq.
 Capt. Ronald C. Kaehlert, AFGWC.
 Capt. Monty U. Kruse, (first oak leaf cluster), Det. 22, 26th WSq.

Capt. Robert C. Martin, Hq. SAC.
 Capt. Marina E. Menzies, Det. 10, 4th WWG.

Capt. Herbert W. Miller, (first oak leaf cluster), 54th WRSq.

Capt. Julian W. Nixon, 54th WRSq.
 Capt. Richard N. Murphy, (first oak leaf cluster), 56th WRSq.

Capt. Milton G. Schnellhase, 54th WRSq.

Capt. Larry R. Stout, (first oak leaf cluster), 4th WWG.

Capt. Dennis M. Werking, (first oak leaf cluster), 56th WRSq.

1st Lt. Robert D. Abbey, 10th WSq.
 1st Lt. John E. Cranfill, 1st WWG.
 1st Lt. Carl Curatola, Det. 15, 10th WSq.

1st Lt. Francis X. Ruggiero, Det. 5, 1st WWG.

1st Lt. Warren E. Stewart, Det. 35, 7th WWG.

CWO Lester A. Martin, (first oak leaf cluster), Det. 40, 28th WSq.
 CMSgt. Carlton L. White, (second oak leaf cluster), Det. 40, 28th WSq.
 SMSgt. Wesley W. Armitage, (first oak leaf cluster), Det. 30, 6th WWG.

SMSgt. David H. Balls, Det. 13, 15th WSq.

SMSgt. Robert M. Senecal, 5th WWG.
 SMSgt. Louis M. Van Moppes, (first oak leaf cluster), 26th WSq.

MSgt. Robert J. Chambers, Hq. AWS.
 MSgt. Alton W. Badman, (first oak leaf cluster), Det. 33, 25th WSq.

MSgt. George W. Bennett, Det. 10, 6th WWG.

MSgt. Keith L. Hager, 20th WSq.
 MSgt. James F. Ham, Jr., Det. 14, 7th WSq.

MSgt. Willie Hammond, (first oak leaf cluster), 55th WRSq.

MSgt. Pasquale Nizza, 6th WWG.
 MSgt. Paul Nulder, Det. 40, 28th WSq.

MSgt. Robert L. Smith, (first oak leaf cluster), 28th WSq.

MSgt. Andrew F. Starinsky, Det. 15, 15th WSq.

MSgt. Rudy A. Villarreal, (first oak leaf cluster), 6th WWG.

MSgt. James E. Wooddell, (second oak leaf cluster), 3rd WSq.

TSgt. Dennis W. Burns, 6th WSq.
 TSgt. Bobby R. Coker, (first oak leaf cluster), Det. 32, 3rd WSq.

TSgt. Robert L. Dyer, (first oak leaf cluster), Det. 4, 26th WSq.

TSgt. Alexander M. Gillette, Jr., Det. 18, 30th WSq.

TSgt. Ronald J. Haag, (first oak leaf cluster), Det. 37, 7th WWG.

TSgt. John W. Kosick, (second oak leaf cluster), 54th WRSq.

TSgt. Fred G. Martin, (first oak leaf cluster), Det. 10, 20th WSq.

TSgt. Ronald L. Osborne, Det. 6, 4th WWG.

TSgt. Larry W. Riedel, Det. 31, 5th WSq.

TSgt. Wesley R. Richardson, 54th WRSq.

TSgt. Rigoberto Saenz, Det. 22, 30th WSq.

TSgt. Seldon D. Schmoyer, Det. 12, 10th WSq.

TSgt. Wesley D. Shales, 1st WGP.
 TSgt. Louis B. Teler, Det. 14, 1st WGP.

TSgt. Charles D. Tullis, Det. 17, 10th WSq.

TSgt. John M. Walsh, Det. 17, 10th WSq.

TSgt. Charles W. Wardin, AFGWC.
 SSgt. David E. Black, Det. 25, 10th WSq.

SSgt. Roger R. Blankenheim, 6th WSq.
 SSgt. Gerald W. Hill, OL-E, 5th WSq.

SSgt. Ronald G. Himmer, Det. 3, 30th WSq.

SSgt. William Hulet, Det. 2, 4th WWG.

SSgt. Richard L. Kamp, (first oak leaf cluster), 6th WSq., 6th WWG.

SSgt. John D. Lisk, Det. 11, 5th WSq.

SSgt. John H. Martin, Det. 16, 10th WSq.

SSgt. William M. McManus, 56th WRSq.

SSgt. Gerald F. Mueller, 54th WRSq.

SSgt. Dennis E. Neelson, (first oak leaf cluster), Det. 7, 9th WSq.

SSgt. Robert J. Phillips, AFGWC.
 SSgt. Walter L. Pickett, Det. 52, 20th WSq.

SSgt. Robert G. Reinold, 1st WGP.
 SSgt. Michael M. Shannon, Det. 32, 5th WSq.

SSgt. Jennings G. Shelton, 7th WWG.
 SSgt. Nevin C. Swartz, Det. 7, Hq. AWS.

SSgt. Vernon L. Taylor, 54th WRSq.
 Sgt. Paul E. Austin, Det. 25, 10th WSq.

Sgt. James L. Bird, OL-D, 5th WSq.
 Sgt. Ronald D. Booth, Det. 31, 5th WSq.

Sgt. Gordon D. Brown, Jr., OL-D, 5th WWG.
 Sgt. Lamoyne H. Burmeister, Det. 7, 5th WSq.

Sgt. Stephen Haynes, Det. 36, 30th WSq.

Sgt. Silas W. King, Jr., 1st WGP.
 Sgt. Kenneth D. Kriegbaum, Det. 32, 5th WSq.

Sgt. Steven E. Lackershire, OL-D, 5th WSq.

Sgt. Preston Moore, Jr., 6th WSq., 6th WWG.

Sgt. Ricardo Rivera, Det. 25, 10th WSq.

Sgt. William M. Scheib, Det. 32, 5th WSq.

Sgt. Cecil I. Smith, Jr., Det. 25, 10th WSq.

Sgt. Geoffrey S. Stultz, Det. 32, 5th WSq.

Sgt. Arthur Viehl, Jr., Det. 32, 5th WSq.

Sgt. Roy H. Wall, Det. 14, 1st WGP.
 Sgt. Ricky D. Wiley, Det. 17, 10th WSq.

A1C Paul C. Kurko, Det. 32, 5th WSq.

A1C David M. Riley, 1st WGP.

Gold Pride Awards

1st Lt. Aris E. Damiani, Det. 11, 4th WWG.

MSgt. Cervase G. Montgomery, 11th WSq., 4th WWG.

MSgt. Darwin J. Riden, 5th WWG.
 TSgt. William A. Luce, 5th WWG.
 TSgt. H. J. Beasley, 54th WRSq.

TSgt. Robert L. Miles, Hq., 7th WWG.
 SSgt. Anthony W. Basiks, Det. 37, 7th WWG.

SSgt. Paul W. Crimmins, 5th WWG.
 SSgt. Robert S. Hogue, 4th WWG.
 SSgt. Bruce A. Krosch, 5th WWG.

Sgt. Robert J. Borys, Det. 15, 4th WWG.

Sgt. Richard G. Gedminas, Det. 11, 4th WWG.

Sgt. Ted K. Takamito, Det. 8, 17th WSq.

Sgt. Dennis E. Williver, Det. 38, 25th WSq.

Mrs. Alice G. Green, Hq., 4th WWG.
 Mrs. Maxine Jasmund, Hq., 4th WWG.
 Mrs. Hazel B. McKenney, Det. 12, 4th WWG.

Mrs. Roba F. Sargent, 11th WSq., 4th WWG.

Mrs. Norma F. Todd, Hq., 4th WWG.
 A1C Paul F. Gregorie, Det. 11, 4th WWG.

A1C Randall E. McAdams, Det. 11, 4th WWG.
 A1C Glenn L. Nelson, 5th WWG.
 A1C Larry G. Noe, Det. 11, 4th WWG.

Silver Pride Award

TSgt. David E. Smith, 53rd WRSq.
 SSgt. Paul R. Galloway, 53rd WRSq.
 SSgt. Frank Hellstern, 5th WWG.

Sgt. Edward S. Wallach, 53rd WRSq.

Bronze Pride Award

TSgt. Robert L. Fuller, OL-D, 11th WSq.

Sgt. James E. Klosterman, OL-G, 11th WSq.

Sgt. Byard W. Mosher IV, OL-A, 11th WSq.

Sgt. Robert T. Potter, OL-C, 11th WSq.

Pamphlet lists apprentice trades

SCOTT AFB, Ill. — Veterans or active-duty people separating from the Air Force should have a copy of a new Labor Department pamphlet that spells out how to secure apprenticeship training for skilled trades. The pamphlet points out that Veterans Administration training allowances for vets without dependents start at \$108 a month.

The publication lists 79 of some 350 jobs with training periods of up to six years. It's available at any VA assistance center or field office of the Bureau of Apprenticeship and Training. It can also be obtained by writing to the Manpower Administration, Publications Office, Department of Labor, Wash., D. C., 20210.

ON THE skew-T AWS Global Report

Highlights of Air Weather Service people at work and play

McGuire AFB, N.J.

Three members of Detachment 10, 15th Weather Squadron, here were distinguished graduates from the Twenty First Air Force NCO Leadership School. All were in the top 10 per cent of their class. They are SSgt. Frederick W. Hauber, SSgt. John R. Kelley and SSgt. Joseph Miranda Jr.

Fuchu AS, Japan

Sergeant Robert W. Stewart recently received a Certificate of Scholarship and a Silver Medalion from the University of Maryland for maintaining an "A" average for 15 consecutive semester hours of Japanese. Sergeant Stewart, a 1967 graduate of Notre Dame University, is a weather observer in the Asian Weather Central.

Offutt AFB, Neb.

Airman Steven R. Gray is not the first airman with a degree in meteorology, but is the first to be assigned here to the Air Force Global Weather Central as a 25231 without having attended the weather observer course at Chanute AFB, Ill. A meteorology graduate of San Jose (Calif.) State College, Airman Gray is forecasting weather in the AFGWC Analysis and Forecasting section.

McChord AFB, Wash.

Steven D. Goodman recently won an intra-state high-school speech contest. Son of Lt. Col. and Mrs. Duane R. Goodman, commander of Detachment 4, 4th Weather Wing, Steven is a member of the debate team at Clover Park High School in Tacoma, Wash. Forty schools participated in the contest, held at the University of Washington.

Fort Monroe, Va.

Detachment 58, 16th Weather

Squadron, Fort Carson, Colo., was highlighted recently on programs of 10 local radio and four television stations. In an interview, Capt. David W. Goens, officer-in-charge of Division Weather Team, discussed the detachment's mission and operation. Television coverage showed the MMQ-2 meteorological van being set up and operated by the weather team during field training exercises.

Aviano AB, Italy

First Lieutenant Arthur Carrazales and SSgt. William A. Stewart were recently selected as Forecaster and Observer of the Year, respectively, by the 21st Weather Squadron headquartered at Torrejon AB, Spain. The men are stationed here with the 21st's Detachment 8. The Forecaster Award is presented each year for the most outstanding professionalism and performance of duty, while the Observer Award recognizes individual excellence in weather observing.

Minot AFB, N.D.

First Lieutenant John H. Cate and Sgt. David R. Eatwell, both from Detachment 21, were named 9th Weather Squadron Forecaster and Observer of the Year, respectively. Sergeant Eatwell was also named 3rd Weather Wing Observer of the Year.

Scott AFB, Ill.

The last of 11 C-130B aircraft transferred from Pacific Air Forces was modified and redesignated as a WC-130B. The aircraft will be added to the AWS inventory upon arrival at the 54th Weather Reconnaissance Squadron, Andersen AFB, Guam. This addition brings the total number of WC-130B aircraft to 22.



LEARNING ABOUT WEATHER is a preoccupation with 7-year-old Kurt Sauer. Along with maintaining a diary about weather happenings, he delivers short weather briefings twice a week to his second-grade classmates. Recently, young Kurt was given a chance to see weather professionals in action at Detachment 21, 7th Weather Wing, Scott AFB, Ill., in a personalized guided tour conducted by 2nd Lt. Bob Davis, a Det. 21 forecaster. (Photo by 2nd Lt. Milt Capps)

THE BOWLING CORNER



by A1C Dennis Keane

Still bowling along

The bowling team of Detachment 3, 3rd Weather Squadron, Myrtle Beach AFB, S. C., is tied for 1st place in the base intramural league. The detachment has one of the highest averages of any team in the 20-team league while having the smallest manning of any of its competition. Team members are George McCulley, Phil Charron, Floyd Parkerson, Charles Russel, Floyd Earle, Don Austin and Larry Hollicker.

Detachment 11, 31st WSq., Spangdahlem AB, Germany, has an ace in the person of Michael Handgraaf. In recent local bowling competition Mike bowled a 257 game and a 615 series. During the same week he bowled three other 600 series, each of which included a game of 228 or better. Two weeks later he placed third in the singles event with a 603, fourth in the doubles event and captained the winning team in the team event of the local association tournament. The team posted a 3,062 scratch series.

Bill Gravel, Det. 11, 21st WSq., has been heading all bowlers at Torrejon AB, Spain, this season. Since the start of this year's league competition, he has continued to hold a high average of 192 in the men's classic and is presently holding top slot on the Torrejon base team with 191. His season high for a series is 675.



RECEIVING COMMENDATION MEDAL is former Woman's Army Corps administrative specialist, Mrs. James J. Baranek. A "first" might have been made when Col. William H. Shivar, 16th Weather Squadron commander, Ft. Monroe, Va., went to Ft. Rucker, Ala., to present her the Air Force medal. Mrs. Baranek served as an administrative assistant in the weather detachment at Cairns Army Air Field from August 1968 until she received her discharge from the Army in July 1970. (U.S. Air Force Photo)

AWS selected for MAC trophy

SCOTT AFB, Ill.—Air Weather Service has been named to receive the Military Airlift Command Commander's Trophy for ground safety. This is the first time a MAC organization has received the trophy two years in succession.

The annual trophy is given to

Warm fog . . .

(Continued from Page 1)

New York at Albany; and Roland J. Pilie, exploration systems department, Cornell Aeronautical Laboratory, Buffalo, N. Y.

The one-day seminar included briefings on Air Force requirements for warm-fog dissipation, the nature of warm fog, current Air Force techniques and programs in warm-fog dissipation and results of programs in other agencies.

the organization with the most effective ground safety program during the year.

Five AWS units were cited as major contributors in the AWS selection. The 2nd Weather Wing, Wiesbaden AB, Germany, and the Air Force Global Weather Central (AFGWC), Offutt AFB, Neb., were among units chosen as dual winners in the awards program. Both units were selected to receive the MAC Ground Safety Achievement Award and the Private Motor Vehicle Safety Award.

Other AWS units selected for MAC safety awards were the 1st WWg., Hickam AFB, Hawaii, the 3rd WWg., Offutt AFB, Neb., and the 9th Weather Reconnaissance Wing, McClellan AFB, Calif. The 1st WWg. will receive the MAC Private Motor Vehicle Award while the 3rd WWg. and 9th WRWg. will receive the Ground Safety Award.

Supply problems discussed at maintenance conference

SCOTT AFB, Ill.—A world-wide AWS ground systems maintenance conference, hosted by AWS Materiel was held here Feb. 23-26. Theme of the conference was "Doing More with Less."

Attending were AWS materiel and maintenance representatives from each of the weather wings and intermediate maintenance shops. In addition, personnel from the Chanute AFB, Ill., Technical Training Center and Air Force Communications Service participated.

Col. Douglas C. Purdy, AWS chief of staff, said in his opening remarks, "Your conference is most appropriate at this time. We have had a large turnover of personnel and there have been many procedural changes since your last meeting." He concluded by saying, "I trust that you, the experts, will find solutions to most,

if not all, of the problems presented. We are most appreciative of your attendance and the contributions which you will provide."

Briefings and discussions on weather equipment ranged from the air base configurations to the Space Environmental Support System. Maintenance and supply problems associated with operations in Southeast Asia, the Far East, Alaska, Europe and other world-wide locations were incuded. Support to the many non-AWS units whom AWS serves were reviewed, with emphasis on improvement of the quality. Two subjects of special interest were courses of action on the shortage of maintenance technicians and adjustments required under an austere budget.

"An opportunity was provided," said Col. Kenneth Bixler, DCS/Materiel, "for AWS officers

and senior technicians to improve close working relationships, exchange useful information and identify and resolve many problems."

Col. Bixler added, "The conference was a success. Many problem areas were identified, and many solutions were found. As a result, all maintenance personnel have a better understanding of what we must do in facing the continuing challenges that we are experiencing today and those in the future."

Plans are to hold the conference annually.

Conference brings wings together

SCOTT AFB, Ill.—An address by Gen. Jack J. Catton, commander of the Military Airlift Command, highlighted the Air Weather Service Commanders' Conference here March 15-16. Theme of the conference was "service."

Commanders of the eight AWS wings met with AWS Commander Brig. Gen. William H. Best Jr., and members of his staff.

Discussions during the two-day meeting revolved around AWS support to its customers with emphasis on the tailoring of weather products to meet specific requirements, increased centralization and other trends in weather service and current and future capabilities of AWS.

In addition to operational subjects, the commanders also discussed personnel, budgetary, maintenance and safety matters of concern throughout the nearly 11,000-man global command.

Commanders attending the conference were: Col. Hubert E. Harvey, 1st Weather Wing, Hickam AFB, Hawaii; Col. James M. Burkhardt, 2nd WWg., Wiesbaden AB, Germany; Col. Eugene C. St. Clair, 3rd WWg., Offutt AFB, Neb.; Col. Lewis J. Neyland, 4th WWg., Ent AFB, Colo.; Col. Walter A. Keils, 5th WWg., Langley AFB, Va.; Col. Joseph M. Bird, 6th WWg., Andrews AFB, Md.; Col. Robert L. Kane, 7th WWg., Scott AFB, Ill., and Col. Ralph S. Saunders, 9th Weather Reconnaissance Wing, McClellan AFB, Calif.

Radio communications improved with device

EIELSON, AFB, Alaska—Eielson weathermen recently installed a unique device which may lead to better long-distance radio communications through regular monitoring of conditions in the ionosphere.

Called the "ionosone," the device is presently sending data to a receiving station operated by Det. 2, 11th Weather Squadron, here.

The ionosone measures the density of the ionosphere, a region of air ionized by solar ultraviolet radiation beginning at an altitude of approximately 25 miles. There are several layers within the ionosphere which change in altitude and density with the season and time of day.

The ionosphere is the part of the atmosphere which reflects radio waves from a transmitting station back to earth, enabling long distance transmissions around the globe.

A University of Alaska transmitting-receiving station six miles west of College, Alaska, sends a

radio signal varying from zero to 30 megahertz. The receiver picks up the signal and transmits it to the university via microwave, and the university station forwards it on to Eielson via another microwave link.

The receiver here consists of an oscilloscope fitted with a Polaroid camera. Once every hour, the camera takes a 30-second exposure of the oscilloscope reading.

The Eielson weather specialists analyze the photograph to find out the maximum and minimum useable frequency for radio transmission of a 2,000 kilometer (1,300 miles) range, and the critical frequency of the F2 layer and the sporadic E layer of the ionosphere.

The data is then transmitted to the Aerospace Environmental Support Center in the Cheyenne Mountain Complex near Colorado Springs, Colo.

The Eielson receiver was installed in December, and began operation Jan. 6. Mr. Glenn Stanley, a research scientist with the Geophysical Institute at the University of Alaska, taught the Det. 2 weathermen to operate the device in five two-hour classes here.

Base realignment relates to AWS

SCOTT AFB, Ill.—Air Force-wide base realignments announced in Washington, D. C., March 10, included two actions relating indirectly to AWS.

At Ramey AFB, P. R., the weather reconnaissance mission—the USAF Hurricane Hunters (53d Weather Reconnaissance Squadron)—will remain. The base will be transferred from Strategic Air Command to MAC this summer.

At Chanute AFB, Ill., where all flying activities are to be terminated by June 30, the technical training mission will not be affected. AWS training officials estimate that Chanute's Department of Weather Training trains approximately 1,000 people for AWS annually.



RECORDING DATA compiled from the ionosone is A1C Sherry Miller of Detachment 2, 11th Weather Squadron. The ionosone may lead to better long-distance radio communications.

(U.S. Air Force Photo)