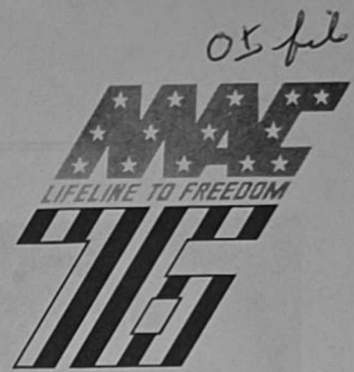




AIR WEATHER SERVICE OBSERVER



Vol. 23, No. 5

Headquarters, Air Weather Service, Scott AFB, IL.

May 1976



'THE THREE OF US make up our four-man team' were the words of Maj. Andrew Cole, center, team chief of the 1st Weather Wing's new Organic Weather Team [OWT]. The third and fourth "men" are SSgt. Michael Wellman, left, an advanced weatherman. According to TSgt. Larry Maifield, right, "We got the idea to get with the Advanced Weatherman program while awaiting inbound personnel to complete the OWT manning authorizations." The men are members of Operating Location F, 1WW, Schofield Barracks, HI. [U.S. Air Force photo]

Fifth Weather Wing gains another Air Force Honor

LANGLEY AFB, VA—The 5th Weather Wing, headquartered here, has been awarded the Air Force Outstanding Unit Award (AFOUA) for its performance from July 1, 1973 to Dec. 31, 1974.

Previously the Wing was awarded an AFOUA for the period July 1, 1971, to June 30, 1973.

The unit was cited for its support to more than 30 major worldwide exercises and operations conducted by a variety of commands.

Commanded by Col. Leonard E. Zapinski, the 5WW has 65 units throughout the continental United States and the Panama Canal Zone.

Colonel Zapinski said, "The award of the AFOUA recognizes the considerable skill and hard work by many people who are still in the wing and others who are assigned elsewhere.

"I've been fortunate to have had so many mission conscious workers and supervisors. Their achievements through this second recognized period of outstanding unit performance stands as a challenge and goal for all current wing members. I enjoin them to continue to do better with less."

Wing services range from staff

support for a variety of command control functions to contingency and exercise meteorological support under field conditions. More than 5,000 man-days of temporary duty were used to support the various operations.

The Tactical Air Command (TAC) Weather Support Unit of the 5WW was specifically cited for providing outstanding meteorological support to the TAC staff and the 2nd Aircraft Delivery Group (ADG) here during the award period. The 2ADG was supported with 4,746 "go-no go" weather briefings during the 545-day period.

Through an aggressive maintenance assistance program it effectively managed 50 organizational and seven intermediate maintenance units which were responsible for more than 700 pieces of fixed and tactical meteorological equipment. Its maintenance technicians maintained a better than 98 per cent in-commission rate for its equipment.

In the 1974 Resources Conservation (RECON) Program the 5WW Weather Wing had \$1,437,400 savings for 839 per cent of its RECON goal. Its savings earned the unit a Military Airlift Command award.



PROOF OF EXCELLENCE is the MAC trophy given the 6th Weather Squadron (Mobile), Tinker AFB, OK, and held by MSgt. Kenneth D. Robinson, 6WS maintenance control supervisor. Story on page 6. (U.S. Air Force photo by Lonnie L. Moore)

Twenty five AWS majors to trade gold for silver

SCOTT AFB, IL—Military Airlift Command Personnel officers recently released the names of 25 Air Weather Service (AWS) majors selected for promotion to lieutenant colonel.

Men to be promoted are:

AWS headquarters: Robert E. DeMichaels, Truman Parker, Russell A. Siegel, Robert W. Smith, Paul D. Try and Ronald F. Wachtmann.

Second Weather Wing (WW): James H. Blackburn Jr.

Third WW: Clarence A. R. Warfel and Gary S. Zeigler.

Fifth WW: Jimmie D. Auten, Dell V. McDonald, Richard I. Nummi, Jerry W. Roylance and William B. Wright.

Seventh WW: Dan K. Waylett.
Air Force Global Weather Central: Roland F. Barth, William F. Buchan, James D. Cook, David L. Donley, Frederick J. Fowler, James W. Sartor Jr., Jeredy K. Sherrod, Arnold L. Snyder Jr., John R. Sweeney and Donald A. Widen.

Coast Guard Academy selects AWS dependent

SCOTT AFB, IL—The daughter of an Air Weather Service (AWS) senior master sergeant was recently notified by U.S. Coast Guard officials that she was to be one of the first 25 women to ever become a cadet at the New London, CN, academy.

Christine M. Vlcek, daughter of SMSgt. and Mrs. Frank W. Vlcek, was not given her class assignment at the time of notification of acceptance, but she reports to Coast Guard summer camp in July. The location of the camp will be announced later.

Christine, an A-student throughout high school, attended schools at Bitburg AB, Germany; Ellsworth AFB, SD; Saugus, CA; and Ramey AB, PR, before graduating from Mascoutah (IL) High School this year.

At Mascoutah she was a member of the National Honor Society,

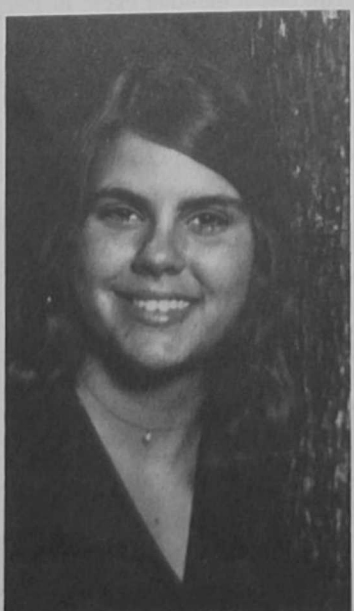
which recognizes academic accomplishment, and is listed in Who's Who Among High School Students.

According to her mother, Christine received 6,603 points on the academy entrance examination although only 6,350 points were required.

Her mother also said, "During the interview she got from two members of the Coast Guard prior to her acceptance she was told that women had only been allowed in that branch in any capacity since 1972."

At the academy Christine plans to study toward a bachelor of science degree in marine biology before completing her four-year Coast Guard commitment.

Her father is space environmental sensor applications NCO at AWS headquarters.



Christine M. Vlcek

Magazine features John Fuller article

The March 1976 issue of Aerospace Historian magazine features a four-page story, with photographs, by the Air Weather Service's historian, John F. Fuller.

The article, titled "Weather and War," points out through examples what Mr. Fuller meant as he opened the story saying, "History's scrolls are replete with entries chronicling weather's effects on its navies, armies, and air forces in wars from before Christ to Southeast Asia."

Mr. Fuller's article tells history buffs how weathermen helped draw dividing lines between success and failure of wartime operations.

The article closed saying, "Their (weathermen) services are worth too much for today's commanders to ignore."

INSIDE	
	Page
Bold Eagle 76	3
Personnel shorts	3
Killer tornado	4
SOLRAD demo	5
Sensational Sixth	6
Sports safety	7
Two new bosses	7
The future: Metrics	7
Our clown	8
2nd Wing's home	8
History lesson	9
Weather Whys??	9
Palace Pearls	10
AWS Salutes	10
Lives saved	12



Brig. Gen. Berry W. Rowe
AWS Commander

The underlying factor in several problems which have come to my attention during past months is the continuing need for attention to the things which concern our people and impact their morale. A recent breakfast with the NCOs and airmen of Air Force Global Weather Central and the 3rd Weather Wing at Offutt AFB, NE, gave me an opportunity to discuss this general subject.

Since the concerns voiced then can be found throughout Air Weather Service (AWS), it is appropriate to address some of them here.

THE PUZZLE

First, our young airmen do not

understand how the tasks they are asked to perform contribute to mission accomplishment. Our observers just fresh from Chanute AFB (IL) have a need to know why the observations they make are so important. Our maintenance people need to know what we do with the equipment that they are frequently called out in the dead of night to fix.

These are but two examples and there are many more that space will not permit me to cite covering the spectrum of Air Force specialties needed to make our system work.

The point? All of us have a need to know that what we do is important; a fact that is all too frequently overlooked or forgotten in the day-to-day press of business. I challenge everyone, particularly those with a responsibility to supervise others, to read and heed, for you are overlooking one of the intangibles which can

make the difference between a unit right on the mark in everything and one that only needs one more day—and it would have been ready for that problem—which surfaced yesterday.

WHO CARES?

Second, everyone (be they officer, NCO, airman, male, female, old hand or new kid on the block) has the need to receive an occasional compliment for a job well done. This is particularly important to a young airman just starting out in a new life in AWS or the Air Force who is frequently desperate for a word of encouragement. It is equally important to the experienced individual just arriving at a new station—or just beginning a new job.

The point? It should be obvious, but just in case it is not, we absolutely must make a conscious effort in our daily routine to be just

as quick with praise as we are with criticism.

HUSH—AND HEAR

Third, we need to work harder at the job of communicating. And this includes listening as well as talking. I hear voices among our young airmen saying, "Why should I talk to my supervisor? He won't listen, and even if he did, he can't or won't solve my problem." The funny thing is, I hear similar voices from among our supervisors saying, "Why should I listen? All they want to do is complain, or ask me to do something for them that I can't." Looks as if it is a two-way street, doesn't it?

The point? We will never know whether or not we can solve a problem if we don't know it exists. And the channel for communicating must work both ways.

PASS IT ON

Fourth and finally, we are still involved in turbulent times. Our

conversion to the new weather airman career field, our efforts to modernize some of the things we do, our need to achieve savings in manpower and the shortages of people and experience that impact us—these are factors that affect us all and we want and need to know how things are progressing.

Ensuring the flow of information is essential, and we here at AWS headquarters are giving it priority attention. The challenge is to keep up with the demand for information and keep that information flowing until it reaches everyone.

These are the highlights of some concerns being expressed by our people. There are others more individual in nature that space restrictions do not permit me to cover. The ones covered here all have one thing in common—we absolutely can do something about them.

Command line

'Talk and listen; care and communicate'

Enlisted line

'Promotion is for the farsighted'

The headline, "NCO Makes E-9 With Minimum Time in Service" may not be seen in the next few years. Reductions in military strength, mandatory grade ceilings and other factors have created an overall slowdown in promotions. Such slowdowns are not new; they happened in the past and will no doubt recur. We should expect promotion peaks and valleys.

The current valley is a topic of conversation wherever I meet our people. The slowdown is of great concern but what concerns me more is the defeatist attitude of some of our people.

NOTHING NEW

Many people overlook some important facts—they're giving up too easily. Slowdowns, in fact, complete freezes occurred under the past system. Under that system there was no visibility; the individual had little or no control. In our get-togethers I urge them and you to look to the positive aspects of the Weighted Airman's Promotion System (WAPS) and apply your talents to make sure the system works for you.

Even when promotions are tight the individual is not powerless. Under WAPS you have visibility. Your score card shows you where

to apply improvement efforts toward promotion. WAPS insures there will be promotions, even though reduced, in all career fields in equal percentages.

YOU HAVE CONTROL

Obviously you have practically no control over points given for time-in-grade (TIG) and time-in-service (TIS). Therefore, apply your efforts elsewhere.

The people who continually put forth extra effort can, through points given for decorations, gain on their peers. Due to long-standing Airman Performance Report (APR) inflation it is hard to gain points here. In the near future we can look for a new APR system similar to the officers' new system. It could bring a dramatic end to APR inflation. If this happens, you will have much more control over your relative APR standing.

GAIN BY STUDY

At present you have greatest control over points awarded for the Specialty Knowledge Tests (SKT) and Promotion Fitness Examinations (PFE). The 200 points in SKT and PFE comprise more than 40 per cent of WAPS points total. A cursory study effort will not do the job.

One E-5 who was within a single point of E-6 on four consecutive promotion cycles made it on the

fifth cycle. How much more effort would it have taken to gain that point on the first cycle? Only he can answer that question. Had he made the needed move he could be an E-7 by now.

Don't count on the four TIG points to "put you over." Your competitors normally gain four points too. A few of them may just be "hungry" enough to put extra effort into study—and slam the promotion door on you.

The last promotion cycle to E-6 and E-7 was a tight one. Nevertheless, through study one NCO was selected for E-6 with seven years five months TIS and an E-6 was selected for E-7 with three years two months TIG.

LOOK WAAAAY AHEAD

Keep firmly in mind that E-8 and E-9 competition does not begin when you are an E-7. The selection board reviews your APRs from the last 10 years. As far as they are concerned, your competition began a decade ago. In some instances a person has an APR from when he was an E-3 in his E-8 selection folder. He began competing for E-8 during his first enlistment.

'GOOD'—NOT ENOUGH

In the near future, possibly before next year's E-8 and E-9



CMSgt. Howard M. Bock
AWS Senior Enlisted Advisor

cycle, there will be a new supergrade promotion system which, using supervisory exam points rather than PFE and SKT points, along with a selection board process, will provide visibility.

Begin now to prepare for the future. Prepare yourself as a technician but being a technician is not enough. Seek additional duties, military and civilian education, and other things which help you develop as an NCO. In essence, write your own APR by preparing for it.

Under WAPS the opportunity for promotion is in your hands. WAPS and planned changes in the APR and promotion system still permit the headline to read, "AWS NCO Makes E-9 With Minimum TIS."

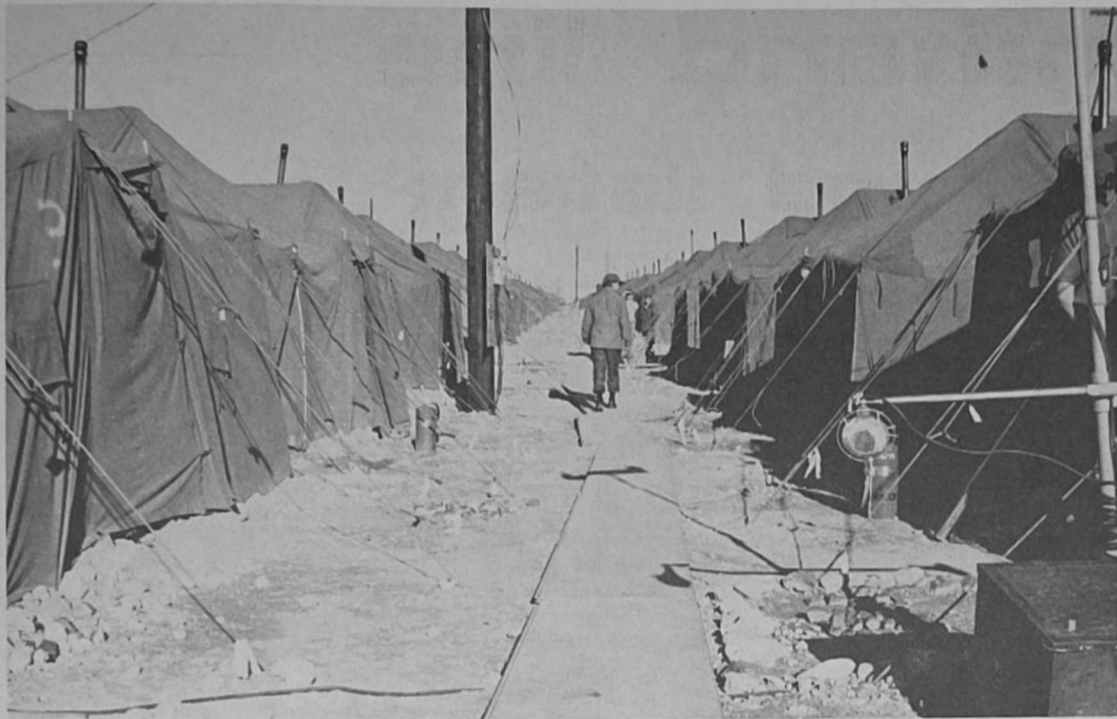
It could be your headline—and it's up to you.



The Air Weather Service OBSERVER is an official Class IIA Air Force newspaper published monthly for personnel of the world-wide Air Weather Service of the Military Airlift Command and under the supervision of the Office of Information, Headquarters, Military Airlift Command, Scott AFB, IL, 62225. Opinions expressed herein do not necessarily represent those of the Air Force.

Material which appears herein may be reprinted without permission, but credit to the Air Weather Service OBSERVER is requested. News, feature, art, or photographic material is solicited from readers, but publication depends on the judgment of the OBSERVER staff. No payment will be made for contributions. Paid advertising is not accepted. Editorial office phone numbers are 618 256-5003/4615 or Autovon 638-5003/4615.

BRIG. GEN. BERRY W. ROWE
Commander, Air Weather Service
DAVID F. BARR
Editor



MEMORIES—OF SORTS were gathered by the 36 weathermen who took part in Exercise Bold Eagle 76. They were memories of these tents, portajohns, shower tents and what Capt. Nelson Arzola describes as "other gracious accommodations." (U.S. Air Force photo)

Bold Eagle 76 soaks as rain falls on desert

Exercise Bold Eagle 76, which took place last January and February, did not start off as it should have at all, according to the weather men. For almost a week the dry desert

climate of Western Nevada was more like what might be expected during Florida's rainy season. Wind and rain lashed at the flatlands and even a flood was reported; floods, according to the Nevadans, are rare.

Bold Eagle 76 was a Joint Chiefs of Staff-directed exercise designed to test and train forces for combat. Under the sponsorship of the U.S. Readiness Command the exercise took place in the Ft. Irwin, CA—Nellis AFB, NV, areas.

The exercise was conducted in five phases; deployment, an air campaign, a joint forces command post exercise, a joint field training exercise, and then redeployment. Also, operations in close air support, counter air defense, defensive suppression, reconnaissance and electronic warfare took place.

The 36 weathermen taking part were from the 3rd and 7th Weather Wings and the 1st, 5th and 25th Weather Squadrons. All of them had to work extra hours due to the abnormal weather conditions.



AT LAKE MEAD BASE, NV, SSgt. Harold F. Lee, using a TMQ-22, measures wind speeds. At the onset of Bold Eagle 76 a low pressure system produced winds which blew down tents and drenched the plains with rain. (U.S. Air Force photo)

OBSERVATION

Small 77 pay hike

WASHINGTON (AFNS)—Salary increases for October 1976 are projected to run between three and five per cent for General Schedule employees, according to the Federal Budget for Fiscal Year 1977.

Fewer moves now

WASHINGTON (AFNS)—According to Air Force officials, weather families, along with other Air Force families, can look for fewer permanent change of station (PCS) moves. In 1970 the cost of a PCS move was \$523 per family. Six years later the cost is \$1,200. As a consequence, steps are being taken to reduce PCS movement and increase stability.

AFMPC clears rules about home basing

RANDOLPH AFB, TX (AFNS)—Air Force Personnel officials here recently explained the eligibility criteria for the home-basing program. The program offers airmen with dependents the chance to apply for a guaranteed follow-on assignment back to their current stateside station when selected for a short overseas tour. Other clarification pertains to airmen on special duty assignment, 18-month or less unaccompanied tours, application after reporting overseas, family moves before going overseas and families staying in on-base quarters during the sponsor's absence. Contact the nearest Consolidated Base Personnel Office for more details.

GI Bill still alive

WASHINGTON (AFNS)—Defense Department officials, asked to clarify the eligibility rules on who may receive GI Bill educational benefits, replied that under a bill passed by the House, benefits would not be available to persons entering military service after Dec. 31, 1975.

The Senate has not acted on the bill.

Further, officials do not expect the Senate to pass a bill that would deny benefits to persons in military service at the time legislative action is completed.

GI Bill benefits will continue for all qualified servicemen until Congress acts to end them.

HR III in August

WASHINGTON (AFNS)—Weather people, along with the rest of the Air Force, will take part in Phase III of Human Relations (HR) Education starting in August. Phase III expands earlier HR training that dealt with awareness of racial problems, sexism and personal involvement to improve conditions. The new phase will focus on daily work situations.

Exams now optional

RANDOLPH AFB, TX (AFNS)—Most weather people who retire or separate from service are no longer required to take end of service physical examinations. As of April 1 separation physicals are optional in the Air Force. There are exceptions to the rule, however. Retirees who haven't had a physical examination in three years, people separating who haven't been examined in five years, people being involuntarily separated, people on limited assignment status and people specifically designated by medical authorities must still have a checkup.

Dover gets award

WASHINGTON (AFNS)—The 1975 Maintenance Daedalian Award went to a Military Airlift Command unit recently, the 436th Military Airlift Wing, Dover AFB, DE. The Maintenance Daedalian Award goes to the best maintenance unit for the preceding calendar year. The 436th met launch requirements for C-5 airlift and training flights. It also contributed to such operations as "Operation Brave Shield," "Reforged 75," "Gallant Shield," and "Cold Banner" operations familiar to many Air Weather Service people who also took part in them.

A-10 joins TAC

WASHINGTON (AFNS) Air Weather Service people now support the mission of a new aircraft, the A-10.

The A-10 close support aircraft joined the Air Force tactical inventory March 20. It is a single-seat attack aircraft that carries up to eight tons of ordnance and a 30-millimeter antiarmor gun. The first A-10 unit will be TAC's 355th Tactical Fighter Wing, Davis-Monthan AFB, AZ.

Carroll bids brief adieu

"Thank you." These two meaningful words express my feeling toward Air Weather Service people. As I leave the aide's job I recall many wonderful and memorable moments. Foremost are the AWS people I met. The support you gave me, in turn, helped me support two of our commanders; Brig. Gen. John Collins and Brig. Gen. Berry Rowe. This fall I will attend Texas A & M University to work toward a master's degree. After that I look forward to joining you in the field. See you soon.

Signed 1st Lt. S. W. Carroll

Personnel shorts

Did you know that:

*The Career Development Course (CDC) 25170 is no longer required for upgrade training?

AWS has asked that it be kept as an Extension Course Institute (ECI) course.

*Each unit should retain CDC25170 in its Weighted Airman Promotion System study library.

*A separation physical is no longer mandatory before retirement or separation in all instances?

*Approval to wear a second unit

emblem on the utility uniform is expected soon?

Air Weather Service has recommended its emblem be the second one authorized for our people and its wear be optional.

*Air Force expects more acceptance of ECI courses for credit by resident academic institutions?

*Air Force presently requires a waiver before we may allow first-term airmen, four and six-year enlistees, to attend seven-level schools?



U.S. Air Force photo by SSgt. Bob Mitchell

Little Rock AFB, AR

Killer twister skirts base, destroys town



LITTLE ROCK AFB, AR—A tornado, spawned over Little Rock AFB, recently roared its way through the small, nearby town of Cabot killing five people and injuring dozens of others.

Base weather forecasters of Detachment 20, 7th Weather Wing and local air traffic controllers spotted the tornado as it moved parallel to the installation's runway.

The twister missed the base but ripped into downtown Cabot, 12 miles to the northeast, virtually destroying 60 businesses before it entered the town's residential area. There it damaged or destroyed about 200 homes. Many of the people left homeless are assigned to Little Rock AFB.

Base disaster response teams and hundreds of volunteers mobilized to assist rescue operations.

According to local officials, damage is estimated at more than \$8 million. They also feel it will be years before the town is completely rebuilt. (Story provided by Capt. Roger A. Fuhrman.)



OL-C, 12th Weather Squadron

AWS unit seeks solution to Navy problem

by

1st Lt. Edward W. Cliver

The countdown is now on at the La Posta, CA, Astro-geophysical Observatory for the upcoming solar radiation (SOLRAD) demonstration. Preparation for the Navy's Short Wave Fade (SWF) disturbance forecast project has reached a high pitch as the Memorial Day deadline nears.

The La Posta observatory will serve as headquarters for the upcoming demonstration. It is unique among the Space Environmental Support Systems (SESS) sites because it is jointly manned by Air Force and Navy people. The Air Force group is made up of two officers and five NCOs of Operating Location C, 12th Weather Squadron, which is

matched by civilian scientists and engineers of the Naval Electronics Laboratory Center (NELC).

SOLRAD HI is the code name for a pair of satellites which orbit higher than most; around 69,000 nautical miles. The satellites have sensors to measure the quiet and disturbed solar x-ray and extreme ultraviolet (EUV) radiation. During solar flares x-ray and EUV are the principal sources of increased ionization in the D-region of the ionosphere which lies 50-90 kilometers above earth. The increased ionization frequently breaks the High Frequency (HF) communications between shore-based Naval communications stations (NAVCOMSTA) and ships. This greatly concerns the Navy.

The twin satellites almost continuously monitor the sun. Their information goes to the Blossom Point, MD, telemetry receiver then to the Naval Research Laboratory (NRL) in Washington.

At NRL the real time data is cleaned up before being sent to La Posta. Secondary data inputs to La Posta, which will be used during the demonstration, are the solar and ionospheric reports from the Astrogeophysical Teletype network (ATN), which links the Air Force Global Weather Central, Offutt AFB, NE, and the SESS observatories. At La Posta these data inputs will be edited and sent to the NAVCOMSTA in Stockton, CA, which handles eastern Pacific fleet communications.

Shipboard communicators are expected to benefit from the Navy's proposed ionospheric disturbance warning program. The six-month demonstration will answer a "dollars and sense" question. If the warning system makes sense (proves useful to the NAVCOMSTA and shipboard communicators) then dollars may be provided to support the program when the demonstration ends.

Presently the men of OL-C are making a detailed statistical analysis based on historical ATN data of National Oceanic and Atmospheric Association (NOAA) forecasts.

The programs being developed will convert NOAA forecast probabilities for various sized solar events into specific HF disturbance forecasts. These will give the estimated number, duration and frequency range of short wave fades occurring during the following 24 hours.

In addition, the Stockton terminal will provide short term, short path predictions of the Lowest Usable Frequency (LUF) and Maximum Usable Frequency (MUF) on HF circuits during quiet and disturbed conditions based on the real time x-ray data.

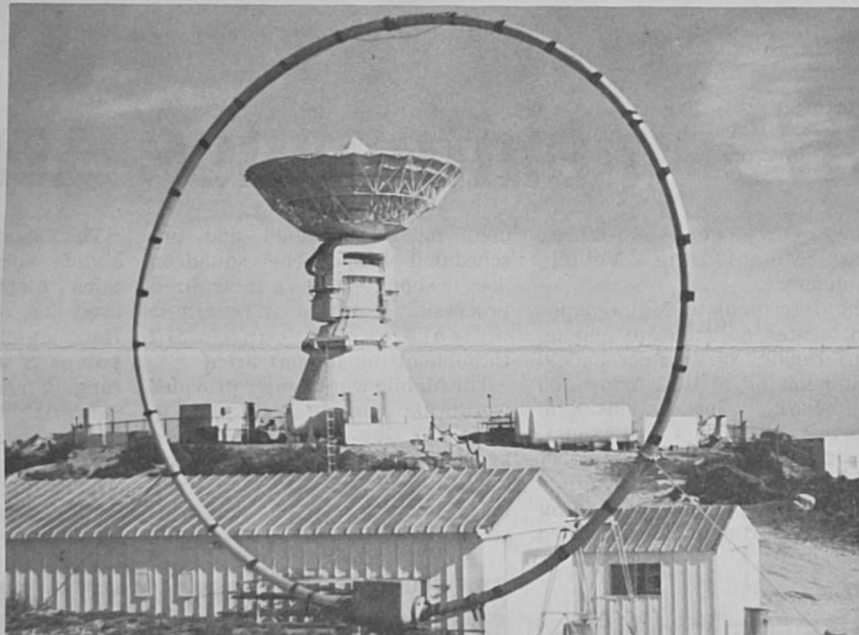
In the event of a significant solar flare, communicators at NAVCOMSTA Stockton will know within minutes which frequencies can still support message traffic.

Air Weather Service people now at La Posta include Capt. Lloyd Osterberg, 1st Lt. Edward Cliver, TSgts. Finley Dula and Ernest Moore, SSgts. Frank Blasi and Charles Morrison and Sgt. Florencio Martinez.



READINGS are being taken from the oblique incidence ionosonde by TSgt. Finley H. Dula during his "watch" at the La Posta, CA, observatory. The oblique incidence ionosonde is a swept frequency receiver which monitors high frequency signals received from Hawaii. (U.S. Air Force photo by TSgt. F. H. Dula)

ELECTRONIC EYES AND EARS of La Posta, CA, are the circular very low frequency antenna loop, foreground, and the huge radio telescope antenna in the distance. The loop antenna gathers information about solar flare induced ionospheric disturbances. The large antenna is a parabolic dish 60 feet in diameter and 90 feet tall. It is used for temperature maps of the sun at two frequencies. (U.S. Air Force photo by TSgt. F. H. Dula)



Each night Sergeant Novak says,

'And now to the weather'



KOREA'S WEATHER is presented nightly to the men and their families there by TSgt. Donald O. Novak, a member of Detachment 18, 20th Weather Squadron. His part of the newscast is presented over American Forces Korea Network radio and television.

Photo and Story by
SSgt. Chris Christilaw

OSAN AB, KOREA—While most people here just talk about the weather for lack of anything better to say, one Air Force sergeant in Korea talks about it each night—and for a good reason.

TSgt. Donald O. Novak keeps American military members and their families here up-to-date on the latest weather conditions by broadcasting the forecast over American Forces Korea Network (AFKN) television. He also occasionally does the weather forecast on AFKN radio.

A member of Detachment 18, 20th Weather Squadron, Yong San Army Garrison in Seoul, the

29-year-old Cleveland native has had no formal broadcast training. He trained by watching other forecasters and through on-the-job experience.

Sergeant Novak is no newcomer to television weather forecasting however. He filled the nightly AFKN weatherman's slot for 10 months in 1974, which developed and improved his broadcast technique.

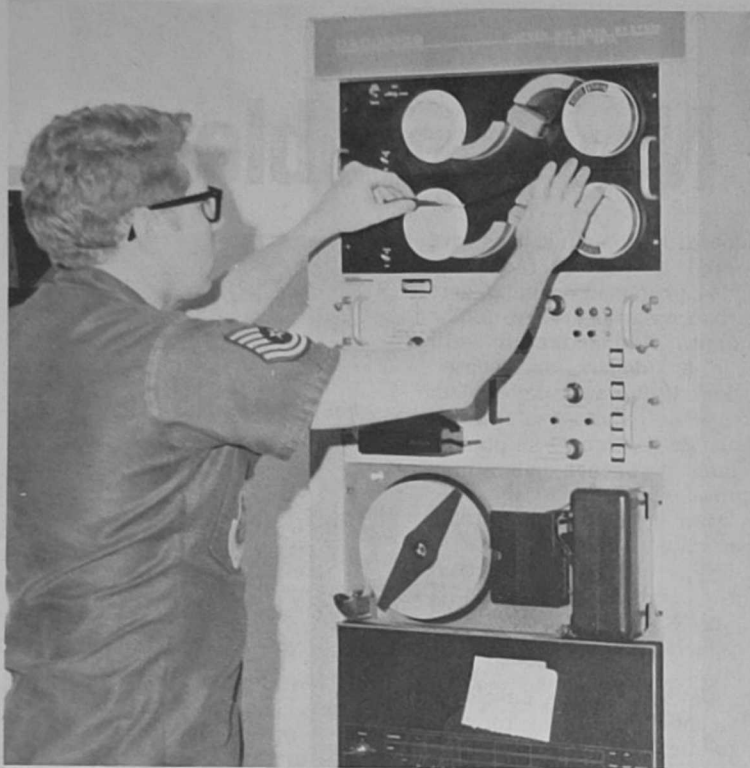
He is no novice in the Air Force weather business either. Since entering the Air Force in 1964 Sergeant Novak has worked in many weather units and is a graduate of a four-month weather observers' school as well as an eight-month forecasters' school.

His nightly appearance on

AFKN-TV gives the sergeant a lot of public exposure. "I'm constantly stopped in the exchange or on the street by people who ask what the weather is going to be. That's why I make it a habit to check the weather charts before I leave the station."

During the day Sergeant Novak spends his time giving weather forecasts to pilots who fly in the Yong San area. He does that after studying weather charts and weather radar at the detachment.

Sergeant Novak concluded, "I really enjoy being on the air. It's a challenge. An Air Force weather forecaster doesn't usually get this kind of opportunity."



←
 'LOAD 'EM UP' is the call which prompts TSgt. Kenneth A. Brown to load a programming tape into the DACONICS 3610 upper-air mini-computer system. Care of electronic equipment is what earned Sergeant Brown's unit the Military Airlift Command's Maintenance Organization of the Year (1975) Trophy.



→
 IN ANOTHER WORK AREA Sgt. Dale E. Falk reassembles a recently repaired AN/FPS-103 radar (RDR) unit. The 6WS has worldwide maintenance responsibility for the AN/FPS-103 radar system.

Sixth Weather Squadron (Mobile)

Unit wins MAC 1975 maintenance trophy

TINKER AFB, OK—The 6th Weather Squadron (WS) (Mobile) recently won the Military Airlift Command's (MAC) 1975 trophy for being the organization which provided the best communications-electronics-meteorological equipment maintenance.

The 6WS is one of two major units of the 7th Weather Wing (WW) commanded by Col. Charles O. Jenista Jr., who presented

the award. The other unit of the 7WW is the 15th Weather Squadron, Wright-Patterson AFB, OH.

In a letter accompanying the award, Gen. Paul K. Carlton, MAC commander, cited the unit for "... outstanding productivity, superior maintenance management, and other noteworthy accomplishments."

The 6WS maintenance complex consists of four work centers:

Intermediate, Mobile, Organizational and Vehicle Maintenance.

The Intermediate Maintenance work center does on-site and in-shop repair of meteorological equipment for 18 U.S. Army and Air Force installations in Nebraska, Kansas, Missouri, Arkansas, Oklahoma and part of Texas. On-site maintenance support is done by sending maintenance teams to supported

units on a scheduled and unscheduled basis. The squadron does in-shop repair as a centralized processing center for all repairable meteorological equipment throughout the support area.

The Mobile work center provides worldwide on-site support to Defense Department-approved agencies. Maintenance people may be sent to operational military installations, small civilian communities or remote sites.

The Organizational and Vehicle Maintenance work center maintains meteorological equipment used for normal airfield operations at Tinker AFB. This involves a variety of equipment ranging from barometric pressure indicating devices to storm detection radar sets.

The motor vehicles, motor generators, vans, etc. used to do the unit's mobile mission are kept ready to go when they are needed.

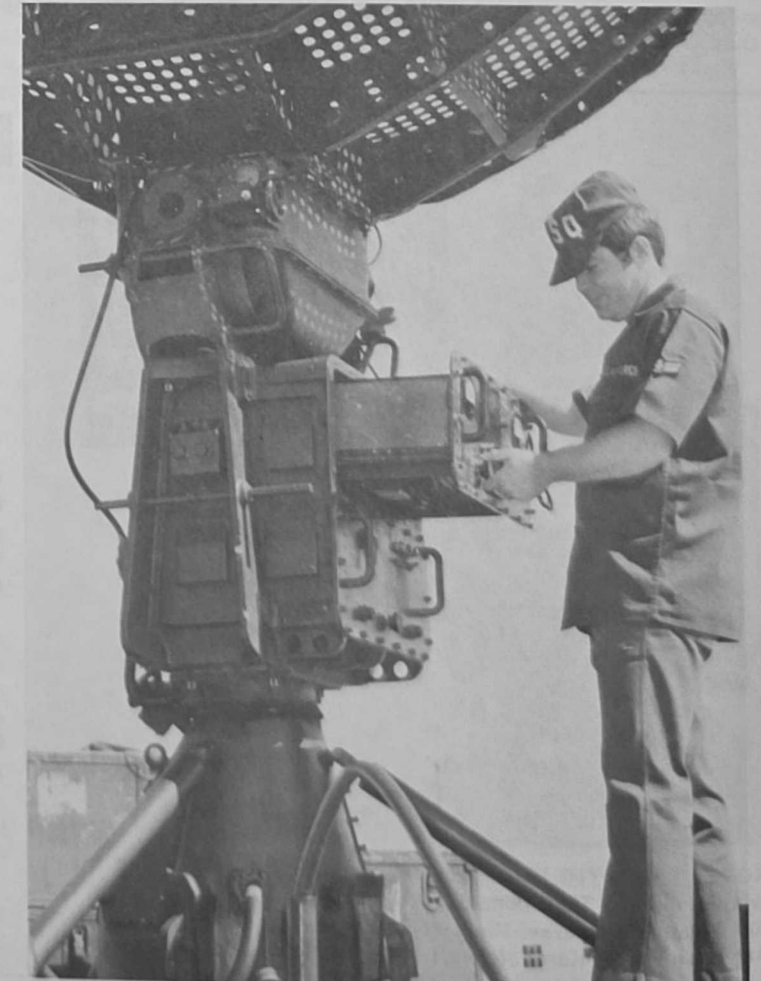


←
 MATERIEL CONTROL calls for constant awareness. A problem encountered is the topic of discussion among TSgt. Carlos E. Boburg, left, a warehouseman, and two inventory management specialists, Sgt. Owens D. Newkirk, center, and Sgt. Morgan W. Green.

→
 OUTDOOR WORK is frequently the work area for some men of the award-winning 6th Weather Squadron. This is the case as A1C William H. Fike adjusts one of the AN/GMD-1 receivers for which his unit is responsible.



←
 SENSITIVITY IS SET on an AN/TMQ-5 radiosonde recorder by A1C Maurice J. Anderson, right, under the supervisory eyes of TSgt. Robert L. Orshoski, a Mobile Maintenance work center NCO. Work on such recorders is done by the 6WS throughout the world when called for.



U.S. Air Force photos
 by Lonina L. Moore

Gargiulo moves to AFGWC; Tucker commands First Wing

SCOTT AFB, IL—The Military Airlift Command recently announced that Col. Alphonse Gargiulo Jr., would take command of the Air Force Global Weather Central (AFGWC), Offutt AFB, NE, this month.

Colonel Gargiulo comes to AFGWC from the 1st Weather Wing (WW), Hickam AFB, HI, where he was commander.

He replaces Col. Herbert Million, who retires from active duty.

Replacing Colonel Gargiulo as 1WW commander is Col. Joseph E. Tucker, former 1WW vice commander.

Colonel Gargiulo, a native of Brooklyn, NY, entered the Air

Force in 1952. After training in meteorology he began a continuous Air Weather Service (AWS) career.

For 18 years he was associated with the Strategic Air Command while in England; Castle AFB, CA; and Offutt AFB, NE.

Between 1970 and 1972 he served at AWS headquarters. From there he went to Andrews AFB, MD, and in 1974 became 1WW vice commander. The following year he took command of the organization.

His education includes a bachelor's degree in education from Maryland University and a master's degree in meteorology from Texas A & M University.

Colonel and Mrs. Gargiulo have three children, a daughter and two sons.

His successor as 1WW commander, Colonel Tucker, was born in LaGrange, MO, and after attending college enlisted in the Air Force.

He attained the grade of staff sergeant before attending Officer

Candidate School where he gained a commission as a second lieutenant. After assignment to school, first as a student then as an instructor, he obtained a bachelor's degree in meteorology from Washington University and entered AWS.

Following an assignment in Italy, Colonel Tucker returned to school, Texas A & M University, to earn a master's degree in meteorology.

His following assignments included Florida, South Vietnam, Virginia and Hawaii. Between assignments he attended the Armed Forces Staff College.

His decorations include the Legion of Merit, Meritorious Service and Joint Service Commendation Medals.

Colonel and Mrs. Tucker have three daughters, Cheryl, Margaret and Jana, and a son, Joe.



HE'S NO MAILMAN but Sgt. Tim Middleton, a Detachment 1, 3rd Weather Wing maintenance man is in the rain, sleet, snow and dark of night too. It is his job to make sure weather equipment used by the Offutt AFB, NE, weather station works as it should, regardless of outside conditions. The Durango, CO, resident is but one of several maintenance men doing the job at Offutt. [U.S. Air Force photo by A1C David Ross]



Col. Alphonse Gargiulo Jr.



Col. Joseph E. Tucker

Sports hold dangers for many youngsters

This is the second of three excerpts from a U.S. News & World Report magazine article titled, "How to enjoy sports—and avoid injury." It is an interview with Dr. James A. Nicholas, founder of the Institute of Sports Medicine. This month's entry relates to children and sports.

(Reprinted from the "U.S. News & World Report.")

Q. Are there special dangers for children in sports?

A. Yes, definitely. Up to about age 12, a kid engages in physical activities just for fun—goes to camp, climbs trees, and so on. But once he hits 13 he wants to impress his peers—and the opposite sex. This can lead to problems because children mature at different rates. A boy or girl may be 16 by the calendar, but physically they may be only 14. The result is that, too often, youngsters get into sports for which they are not designed.

Q. How can parents or teachers tell if a youngster is physically suitable for certain sports?

A. That can involve performance tests, for one thing. Physical educators have been giving them for 100 years. But now we know that a thorough examination by a physician also is needed to fully determine a person's agility, flexibility, skill and speed.

A lot of kids have curved spines, a short leg. They may be a little knock-kneed or loose-jointed.

Q. Is there anything wrong with parents' encouraging their children to go out for a school team?

A. I'm very opposed to this if it's done without adequate investigation and preparation. It's the duty of parents to have a conference with the child and make sure that he wants to be competitive—that he has an athletic personality—before he's thrown out there to play a high-risk sport.

I think it is absolutely wrong for a father to encourage a boy to play football when the kid isn't built for it, isn't trained for it, and doesn't want to do it.

Q. Getting back to health: Are we more vulnerable to certain types of sports injuries at various ages?

A. Yes, we are. Between the ages of about 12 to 15 the big dangers of injury are to the growth centers of the bones—the areas of separation where the bones have not grown together yet. Children in this age group often will be hurt by jumping from a height or trying to make a quick pivot. We're talking primarily about the high-velocity or contact sports.

(Copyright 1975 U.S. News & World Report, Inc.)

The next issue of the OBSERVER will carry portions of the U.S. News & World Report story pertaining to women and older persons in sports.

Interviewing AFGWC

Farley: 'dedicated group of people'

MSgt. Jerry D. Farley is non-commissioned officer in charge, Space Environment Support Section (SESS), Space Environmental Support Branch, (WPE) at the Air Force Global Weather Central (AFGWC). It is his first assignment to a centralized forecasting facility. Sergeant Farley has experience as a weather observer, duty forecaster, solar observer and computer programmer.

Q.—What did you think when you first learned you were to come to AFGWC?

A.—I asked for AFGWC on my return from Hawaii. Specifically, I asked for the SESS Branch and got it.

Q.—What was your first impression of AFGWC?

A.—Coming from a small unit, I found GWC to be a large, bewildering complex. With no real concept of how GWC worked, I couldn't appreciate how it all fit together. Now, after seeing it in action, it is apparent that GWC consists of a large, dedicated group of people working together to do an extremely important job. In short, this is where the action is and should be a "must assignment" for all potential AWS managers.

Q.—How do you view job opportunities at GWC?

A.—There is ample opportunity for the individual to broaden his knowledge and get involved, not

only with the technical aspects of the job, but in NCO responsibilities. If your desire is to stay a technician, there are plenty of jobs available, but if you want to be a manager and have the qualifications, then the opportunity certainly exists. The challenge is here; it only takes initiative to meet it.

Q.—How do you and your family feel about living in this (Omaha) area?

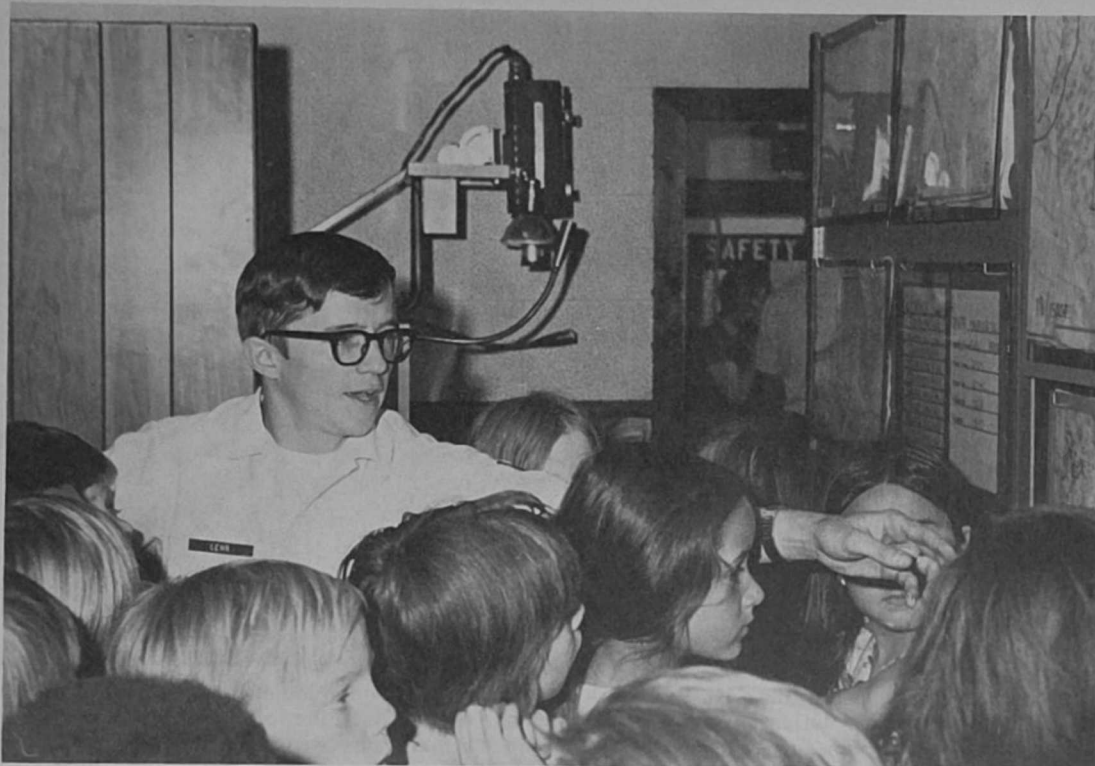
A.—My wife and I enjoy the local community and are involved in civic activities in our neighborhood. Omaha has many cultural activities to offer. The schools here are as good as I've seen and educational opportunities are virtually unlimited.

Metric Conversion table

<p>Ten millimeters = 1 centimeter 100 centimeters = 1 meter 1,000 meters = 1 kilometer</p>		<p><u>Surface</u> 1 square inch = 6.45 square centimeters 1 square foot = .092 square meter 1 square yard = .836 square meter 1 square mile = 2.590 square kilometers 1 acres = .405 hectare</p>	
<p><u>Length</u> 1 inch = 25.4 millimeters 1 foot = .3048 meter 1 yard = .9144 meter 1 mile = 1.609 kilometers</p>		<p>1 millimeter = .03937 inch 1 centimeter = .4 inch 1 meter = 3.281 feet 1 kilometer = .621 mile</p>	
<p><u>Weight (Mass)</u> 1 pound = .4536 kilogram 1 short ton = .907 metric ton</p>		<p>1 cubic inch = 16.387 cubic centimeters 1 cubic foot = .028 cubic meter 1 cubic yard = .764 cubic meter 1 liquid quart = .946 liter 1 gallon = 3.785 liters</p>	
<p>1 kilogram = 2.2046 pounds 1 metric ton = 2,204.6 pounds</p>		<p>1 cubic centimeter = .061 cubic inch 1 cubic meter = 35.314 cubic feet 1 cubic meter = 1.308 cubic yards 1 liter = 1.056 liquid quart 1 liter = .264 gallon</p>	
<p><u>Temperature</u> Fahrenheit - multiply Celsius temperature by 1.8 then add 32 Celsius - subtract 32 from Fahrenheit temperature then multiply by .55</p>			

Ed. Note: As a convenience for its readers the AWS OBSERVER provides the above metric conversion table as carried in the MAC News

Service. It is a form which will allow you to clip it from the page and insert it under glass on desk tops for quick reference.



WEATHER MAKERS are not what the Holloman (NM) Elementary School fourth graders found at the base weather station. Instead, they learned that weathermen were weather monitors. With Sgt. Larry Lehr, above, and SSGT. Danny Meade, not

shown, as their guides and instructors, the children's day at the station was spent seeing how weather is studied. Sergeants Lehr and Meade are members of Detachment 14, 25th Weather Squadron, Holloman AFB, NM. (U.S. Air Force photo)

Officers tell groups about weather mission

OFFUTT AFB, NE—Two weathermen spoke out about their trade recently. They were Capt. Gregory Ventura, speaking to Iowa State University freshman meteorology students, and Capt. Mike Horn addressing the Fontenell Forest Nature Center, southeast of Omaha, NE. Both men are Air Force Global Weather Central members.

Captain Ventura's visit to the university at Ames, IA, was jointly sponsored by the school's meteorology department, its Air

Force Reserve Officer Training Corps and the Offutt AFB Junior Officers' Council.

He talked about job opportunities in the weather career field and use of computers in modern weather service.

Captain Horn explained Nebraska's weather and what causes its many variations. The 50 people of the Fontenell Forest Association expressed strong interest in photographs Captain Horn provided of the various weather phenomena.



FOR THE SECOND consecutive year, David F. Barr, right, editor of the Air Weather Service Observer newspaper, accepts the plaque which names the Observer as the Military Airlift Command's best newspaper in Category IIC. As Brig. Gen. Berry W. Rowe, AWS commander, left, presented the plaque Mr. Barr acknowledged, "The unit information people's support was what earned this award." (U.S. Air Force photo)

Weather unit victor in Army energy drive

FT. CAMPBELL, KY—The old cliché, "When in Rome, do as the Romans do," seems to be what happened at Detachment 1, 5th Weather Squadron here.

Fifteen years ago, even before today's energy crunch, Ft. Campbell was the test location of a U.S. Army program to reduce the cost of utilities. Under the name "Energy Conservation and Facilities Maintenance," the program was so successful it soon spread throughout the Army.

Today Det. 1 is in the program too. The weather unit's part is led by 1st Lt. Bruce R. Carter and Amn. Bartlett C. Hagemeyer. They manage the unit's contribution to the program as it relates to the base weather station and the weather dormitory—and their efforts paid off.

Det. 1 has won two quarterly awards as "the best company-size unit on Ft. Campbell" and one Award of Excellence from Maj. Gen. John W. McEnery, 101st Airborne Division (AD) Air Assault commanding general. Lieutenant Carter and Airman Hagemeyer also picked up individual awards from the 101AD.

The unit got more than trophies. According to Capt. Jerry E. Albrecht, detachment commander, "Thanks to the awards these guys have earned for us, we've been able to fix up the weather station the way we want it." He was speaking of \$600 given the unit for self-help materials which went into map displays in the forecast section and construction of small work desks and cabinets.

European Wing now in new home

by

Capt. Bernard C. Diesen III

KAPAUN BKS, GERMANY—Headquarters, 2nd Weather Wing (WW) recently moved here from Ramstein AB, Germany and is now in place and operational. Along with the move, its Detachment 1, at Lindsey AS, Germany moved here as well. The move rejoined a once divided headquarters.

The split came when Headquarters U.S. Air Forces in Europe (USAFE) moved to Ramstein AB in 1973 and 2WW headquarters sent its vice commander and most of the operations division there. For two and one-half years the 2WW staff kept the split headquarters a team through tremendous effort. Normal staff functions were often handicapped when communicating and coordinating by what too often seemed to be an overtaxed phone system

and mail service as well as by a dangerous 63-mile drive between Lindsey and Ramstein.

At Kapaun Barracks, six miles from Ramstein AB, 2WW occupies the top two floors of a remodeled building. The headquarters has new paint inside and out, tiled floors, new ceiling and lighting.

Kapaun Barracks was once part of the U.S. Army complex at Vogelweh, Kaiserslautern, Germany. As part of the Defense Department's move to improve combat capabilities in Europe, the Air Force exchanged facilities with the Army—the Ramstein-Vogelweh area for facilities in the Wiesbaden area. The exchange caused the additional relocation of Headquarters 31st Weather Squadron from Lindsey AS to Rhein-Main AB, Wiesbaden base weather station to Sembach AB and will eventually move Det. 51, 2WW, to Rhein-Main AB.

Sergeant brings joy by clowning around

ANSBACH, GERMANY—One member of Detachment 5, 7th Weather Squadron here, finds that while languages, dress and customs may differ from country to country, children's laughter is the same and is caused by the same things.

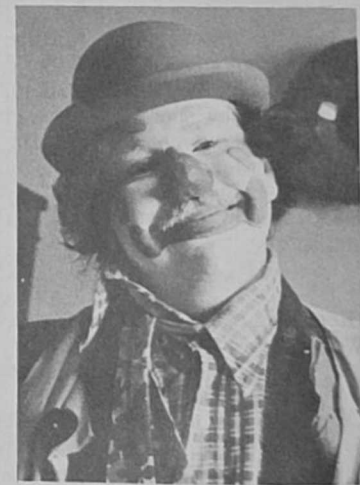
Sgt. Charles L. Skeen is a weather specialist assigned to support U.S. Army field operations—and he is "Pockets" the clown.

As the only Air Force non-commissioned officer in a group called the Ansbach Clown Alley, Sergeant Skeen entertains youngsters of all ages. The group is sponsored by the NCO Association.

Sergeant Skeen has been a member of the group 10 months and already holds the position of Ringmaster—or Top Banana.

The organization, to bring laughter to where it may be most

needed, takes part in parades, goes to homes for the elderly and visits orphanages and hospitalized children.



"Pockets"

Capt. D.M. Withers first man to finish Navy study program

ENT AFB, CO—A weatherman, Capt. Donald M. Withers, Detachment 1, 12th Weather Squadron here, was recently cited for a "first". He was the first person to finish the revised Naval War College correspondence program.

According to Captain Withers the course took "about two and a half years" to complete. He said, "The effort I put into completing it was fairly continuous."

His new diploma shows he completed four major subject areas: strategy and policy, defense economics and decision making,

naval operations and internal law.

"I typed more than 1,000 pages of reference in my studies," he said, "It was a pile of paperwork almost five inches tall."

Captain Withers is a space forecaster inside Cheyenne Mountain. He deals with the solar-geophysical effects of solar activity on various Defense Department systems.

He is presently scheduled to be assigned as officer-in-charge of the solar telescope site at Operating Location D, 2nd Weather Wing.

A lesson from history

Weather's second commander becomes first to die

by John Fuller
AWS Historian

The first officer killed while in the service of the United States during World War II was Capt. Robert Moffat Losey, former commander of the Army Air Corps Weather Service, forerunner of today's Air Weather Service.

Born May 27, 1908, at Andrew, IA, Captain Losey was a 1929 West Point graduate. After winning his wings and assignments to various posts, he graduated from the California Institute of Technology in 1935 with a degree in meteorology. Two years later, on July 1, 1937, he was one of the 22 officers who formed the nucleus of the air weather service function when it transferred from the Army Signal Corps to the Army Air Corps. Lieutenant Losey took command of the function from Capt. Randolph P. Williams, founder of the Army Air Corps Weather Service and kept the job until 1940—the year of his death.

In late 1939, when Russia invaded Finland, the campaign there presented problems in Arctic aerial warfare of great interest to the Air Corps.

Captain Losey conceived the idea of going to Finland as a military observer. In January 1940 he proposed the idea to a much impressed Maj. Gen. Henry

H. "Hap" Arnold, who pushed travel orders through in two days.

In April 1940 the Germans invaded Norway. At the time Captain Losey was in Stockholm, Sweden, on his way back from Finland.

Since there were no military observers in Norway, and the U.S. minister there was a woman, Mrs. Florence Jaffray Harriman, Captain Losey was ordered to accompany her as she kept in touch with the scattered Norwegian government. He joined her at a small country inn and on April 21, after making sure Mrs. Harriman was in a safe place, Captain Losey went to the battle front to observe the fighting.

While standing in the mouth of a tunnel to watch a German air raid on Dombas, Norway, he was instantly killed when a bomb exploded near him sending a splinter of shrapnel through his heart.

Military funeral services for Captain Losey were held at West Point on May 29, 1940, and among the honorary pallbearers were General Arnold, Lt. Col. Ira C. Eaker and Capt. Arthur F. Merewether, who had replaced Captain Losey as chief of the Army Air Forces Weather Section.

In her book, published in 1941 and entitled *Mission To The North*, Mrs. Harriman described Captain Losey as a "nice, spare young man in a flying corps uniform (who

seems in every way acceptable" for the job as assistant military attache.

Shortly after Captain Losey's death, the forerunner of today's American Institute of Aeronautics

and Astronautics established and continues to give the memorial Losey Award in recognition of outstanding contributions to the science of meteorology as applied to aeronautics. Winners of the

award include such names as Francis W. Reichelderfer, Joseph J. George, Harry Wexler, Carl G. Rossby, Vincent J. Schaefer, Lt. Col. Robert C. Miller and Robert D. Fletcher.



CAPT. ROBERT M. LOSEY in Norway with Mrs. Florence Jaffray Harriman, the U.S. minister to that country, just before his death, April 21, 1940. Note the American flag tied across their automobile's top.

Since the United States was not at war with Germany at the time the flag was probably put across the automobile to alert German pilots that the occupants were citizens of a neutral country.

Weather whys???

Weather Whys?? is a regular feature of the Air Weather Service Observer. The questions come from you and the answers come from the Air Weather Service commander and his staff.

If you have a question, send it to: Commander, Air Weather Service, Scott AFB, IL 62225. Each question will be answered, however all of the questions and answers may not be published in the Observer due to space limitations.

Q.—Is there any possibility that the 3AAR25170 course can be reduced to less than 21 weeks? If this is done, forecasters school would become a temporary duty [TDY] assignment. I think more people, especially E-6 and above, would then volunteer for it.

A.—The proposal to make the course a combination of correspondence and a 21-week or less TDY school has been considered. There are many factors involved. We must insure no degradation of the course quality, consider the impact on the already strained unaccompanied housing situation and evaluate the impact on the plan to consolidate all services weather training at Chanute AFB, IL—to mention a few. A TDY course would save money, could be valuable in the Air National Guard weather training process and might increase school input (we now fill classes seven months in advance). There is another consideration—people who could leave their base as observers

and return as forecasters. At present there is no assurance there will be a TDY 3AAR25170 course. So press on with your plans to attend forecasters school now. Don't wait for a possible TDY course that may never come.

Q.—I read in the paper that my base is closing. How can I apply for reassignment to Air Force Global Weather Central?

A.—The announcement about your base, and others, indicated that Air Force "plans to undertake formal study of a number of base reduction and realignment actions." These studies may determine your base will close or that activities will be significantly reduced. Nevertheless, until the results of such studies are announced, we cannot take assignment actions. In the interim, check with your Consolidated Base Personnel Office to insure your AF Form 392 reflects your assignment desires. Once your base and weather detachment closure are

officially announced, contact AWS/CMS, Scott AFB, IL, 62225, to insure your desires are considered.

Q.—I am a 30270 assigned to a Defense Meteorological Satellite Program [DMSP] unit. The current 302XO Specialty Knowledge Test [SKT] does not represent my current job. Is any action being taken to resolve this problem?

A.—AWS has tried to resolve this and similar problems through several approaches in recent years. One proposal that came from a Keesler AFB, MS, workshop last year would allow DMSP 302XOs direct conversion to the 308XO Air Force Specialty Code. Such a move would insure a more equitable SKT situation for people wanting to remain in DMSP. People who elect not to stay in DMSP would rotate to normal 302 maintenance assignments at the end of their DMSP tour. This and other proposals are being studied but nothing is definite yet.

Top-Stripe

CMSgt. WALTER P. MARDYLA
SENIOR ENLISTED ADVISOR
2nd WEATHER WING
RAMSTEIN AB, GERMANY



IN AIR WEATHER SERVICE 30 YEARS.

OVERSEAS SERVICE AT PUERTO RICO, PANAMA CANAL ZONE, BAHAMAS, BRITISH WEST INDIES, VIETNAM AND GERMANY.

ATTENDED THE FIRST CHIEF OBSERVER CLASS CONDUCTED AT CHANUTE AFB, IL (1955).

WAS THE FIRST CHIEF OBSERVER ASSIGNED TO THE FORMER AIR WEATHER SERVICE I.G.

HAS WORKED AS SURFACE AND AERIAL OBSERVER AND RAWINSONDE OPERATOR.

IS MARRIED, HAS TWO CHILDREN AND CALLS FT. LAUDERDALE, FL, HOME.

QUOTE OF NOTE:

"As far as I am concerned, the weather (satellite) picture is probably the greatest innovation of the war. I depend upon it in conjunction with the traditional forecaster, as a basic means of making my decision as to whether to launch or not launch the strike.. This is something that no commander has ever had before in a war." — Lt. Gen. William W. Momyer, commander, Seventh Air Force, during a CBS television interview in Saigon, May 4, 1967.



ADJUSTING the controls of the FPS-77 storm detection radar at Peterson Field, CO, is just part of the job for Amn. Carol Rhodes, Detachment 6, 12th Weather Squadron. Airman Rhodes was the subject of a newspaper article about women at her base recently. (U.S. Air Force photo by A1C Pete Effenberger)

Airman tells of women's role in weather service

PETERSON FIELD, CO—"Although I'm not a women's libber I agree with a lot of (their) issues. It's obvious that we should get equal pay." These were the words of Amn. Carol Rhodes during an interview by A1C Susan Sciple of the local Information office.

Airman Rhodes is a weather specialist at Detachment 6, 12th Weather Squadron here—and her pay is the same as that of her male counterparts.

Airman Rhodes performs all jobs in her specialty including

occasionally opening the weather station at 3:45 a.m.

She explained, "Sometimes fishermen just want to know if it is going to rain when they want to go fishing." The obliging airman furnishes a weather rundown according to callers' needs.

When asked if she will continue her weather career she replied, "It's hard to say. If I feel at reenlistment time as I do now, I'll sign up again. I can't wait to go to forecaster school. That's where you really learn weather."

Pearls from the Palace

Promotions remain high; E.M. may enter program

RANDOLPH AFB, TX—The Palace Weather team at the Air Force Military Personnel Center (AFMPC) here invites weather officers to stop by to review their master personnel files, according to Maj. John Parisi, Palace Weather team chief.

Major Parisi also furnished some Pearls from the Palace: "Twenty-six lieutenant colonels in the 25XX career field were in the primary zone for O-6 for the first time and 13 were selected.

*As of Jan. 31, 1976, 406 of 983 continental U.S. jobs for lieutenant colonel and below weather officers are at Offutt AFB, NE, and Scott AFB, IL.

*Analysis of the most recent selection board for major shows that of all 25XX officers; 54 of 72 (76 per cent) first time eligibles from the 1965 year group were selected—Air Force line selection rate was 72 per cent; 22 of 54 major selects were nominated for intermediate service schools; one of 33 captains who failed to be

promoted one or more times was selected.

*Selection rate for weather officers with no professional military education (PME) was zero and 56 per cent of the weather officers from the 1965 year group had at least a masters degree. Thirty-four per cent had completed at least two levels of PME.

Future Pearls from the Palace, according to Major Parisi, will focus on such topics as Air Force Institute of Technology selection procedures and quotas, timing of regular augmentation boards, changes in personnel policies designed to reduce permanent change of station problems, cross training opportunities for field grade officers and a planned test program to expand the charter of the Palace Weather team to include 25XXX airmen.

Questions for the Palace Weather team should be directed to AFMPC/DPMROS5E, Randolph AFB, TX, 78148, or telephone AUTOVON 487-5061.

AWS salutes

MEDALS

Lt. Col Paul F. Pulse II, Air Weather Service (AWS) headquarters, Scott AFB, IL, Distinguished Flying Cross.

CMSgt. George J. Krause, AWS, Scott AFB, IL, first oak leaf cluster (OLC) to the Meritorious Service Medal (MSM).

MSMs went to Maj. Maxwell K. Austin, Capt. Robert C. Woronicz, and Maj. Raymond R. Achin, AWS, Scott AFB, IL; Lt. Col. David S. Lydon, 2nd Weather Squadron (WS), Andrews AFB, MD; and Capt. Jerry R. Doss, Detachment 5, 16WS, Ft. Knox, KY.

Capt. Michael A. Sotak, AWS, Scott AFB, IL, third OLC to the Air Medal.

SMSgt. Charles W. Mays, Det. 18, 20WS, Yong San Korea, third OLC to the Air Force Commendation Medal (AFCM).

TSgt. Patrick G. Lee, Det. 36, 31WS, RAF Alconbury, UK, second OLC to the AFCM.

First OLCs to the AFCM went to TSgt. James E. Dixon, Environmental Technical Applications Center, (ETAC), Scott AFB, IL; SMSgt. C.V. Armenta, Det. 14, 5WS, Ft. Hood, TX; SSgt. Gary L. Musil, 12WS, Colorado Springs, CO; Maj. Carl H. Malberg, AWS, Scott AFB, IL; TSgt. Larry M. Hamm, Det. 12, 7WW, Richards-Gebaur AFB, MO; TSgt. Homer D. Beddo, Det. 11, 25WS, Cannon AFB, NM; Capt. Joseph D. Dushan, Det. 18, 20WS, Yong San, Korea; Capt. Richard J. Vogt, Operating Location F, Det. 18, 20WS, Camp Humphreys, Korea; and Capt. Larry R. Hays, 2nd Weather Wing, Ramstein AB, Germany.

AFCMs went to SSgt. J.B. McLeod Jr., Air Force Global Weather Central (AFGWC), Offutt AFB, NE; Capt. James W. Choate, SSgt. James Mitchell and TSgt. George G. Elbe, AWS, Scott AFB, IL; MSgt. Irvin L. Skov, 2WS, Andrews AFB, MD; Sgt. Frances C. Curry, Det. 36, 31WS, RAF Alconbury, UK; and Capt. Larry A. Turner, ETAC, Scott AFB, IL.

Lt. Col. Boyd E. Founds, 11WS, Elmendorf AFB, AK, and TSgt. George M. Scott, Det. 75, 3WS, Hurlburt Fld, FL, received Army Commendation Medals.

EDUCATION

Lt. Col. Richard A. Brown, Det. 30, 2WS commander, Vandenberg AFB, CA, recently received a master of arts degree in management from Webster College, Webster Grove, MO.

SERVICE SCHOOLS

SSgt. Thomas M. Lyon, AFGWC, Offutt AFB, NE, graduated from the NCO Leadership School. From the same unit SSgts. George K. Strunk and Patrick L. Pritchett graduated from the NCO Academy.

Capt. Roland F. Tadd, Det. 5, 16WS, Ft. Knox, KY, completed the Air Command and Staff College nonresident course.

The Norton AFB, CA, MAC NCO Academy's Class 76-6 had six of its weathermen students take honors. SSgt. Robert B. Purdie, ETAC, Scott AFB, IL, was named honor graduate and the distinguished graduate title went to TSgt. Larry D. Beaver, Det. 6, 12WS, Peterson Fld, CO; TSgt. Benjamin L. Coughran, Det. 9, 7WW, Scott AFB, IL; TSgt. Finis R. Herron, Det. 36, 31WS, RAF Alconbury, UK; and SSgt. Daniel J. Brees, Det. 3, 5WS, Ft. Bragg, NC.

UNIT HONORS

MSgt. Norman L. Stanley, ETAC, Scott AFB, IL, is his unit's Senior NCO of the Year for 1975.

Det. 36, 31WS, RAF Alconbury, UK, was awarded a Certificate of Achievement recognizing its sustained forecasting excellence.

TSgt. Stephen R. Hardt, ETAC, Scott AFB, IL, NCO of the Quarter (NCOQ).

Amn. James L. Craig, ETAC, Scott AFB, IL, Airman of the Month. (AOM).

SSgt. Steven M. Whittmaack, Det. 30, 2WS, Vandenberg AFB, CA, NCOQ.

Sgt. Gregg A. Liedke, Det. 30, 2WS, Vandenberg AFB, CA, AOM.

CIVILIAN HONORS

Mrs. Vivian Payne, AWS Ground Safety Officer (GSO), Scott AFB, IL, became the first Military Airlift Command woman to complete the GSO Course at Arizona State University, AZ.

Hilda J. Snelling, ETAC, Scott AFB, IL, received

a pin marking 20 years of Federal Service.

PROMOTIONS

To major: William E. Wilson, AFGWC, Offutt, AFB, NE.

To senior master sergeant: John R. Zemba, ETAC, Scott AFB, IL.

To technical sergeant: Ronald I. Osborne, AFGWC, Offutt AFB, NE; Robert P. Gibbs Jr., Det. 12, 7WW, Richards-Gebaur AFB, MO; Donald G. Farrington, Det. 5, 16WS, Ft. Knox, KY; and George M. Scott, Det. 75, 3WS, Hurlburt Fld, FL.

To staff sergeant: James G. Ingalls, AFGWC, Offutt AFB, NE.

To sergeant: Paul E. Anderson, AFGWC, Offutt AFB, NE; David W. Goe, Det. 5, 16WS, Ft. Knox, KY; and Kathryn A. Busher, Lonnie W. Villines and Gregg A. Liedke, Det. 30, 2WS, Vandenberg AFB, CA.

To airman first class: Darrell J. Randall, Dorothy Sanford and Melinda B. Schrock, AFGWC, Offutt AFB, NE; Michael A. Beier, Det. 12, 7WW, Richards-Gebaur AFB, MO; and Beverly A. Newton, ETAC, Scott AFB, IL.

SPECIAL HONORS

A1C Craig Brown, AFGWC, Offutt AFB, NE, received \$25 for his suggestion to use both sides of teletype ribbons rather than discarding old ribbons when one side was used.

A1C Thomas B. Craig, ETAC, Scott AFB, IL, was chosen his base's Airman of the Month.

A1C Douglas Baugh, Det. 11, 25 WS, Cannon AFB, NM, received an American Bowling Congress belt buckle for being his base's 1975-76 Intramural Bowling League's most improved bowler.

MSgt. Clarence C. Chamberlain, MAC Technical Advisor to the California Air National Guard's 196th Weather Flight, was awarded his second California Medal of Merit.

Beth-Ann Mendell, daughter of Robert Mendell, Det. 10, 7WW, McGuire AFB, NY, received a \$400 scholarship grant from the NCO Association. Beth also took part in the Dean-For-A-Day program sponsored by the Dean Junior College, Franklin, MA.

Also at Det. 10, 7WW, McGuire AFB, TSgt. Joe and Judy Kifolo, as well as Dianne Halloran, wife of Maj. Paul Halloran, received Volunteer of the Year honorary awards for their work with the base's youth activities and fund raising programs. Major Halloran was also picked as an Outstanding Volunteer for his work with youth sports and scouting.

Sgt. David R. Hudson, Det. 14, 7WW, won the title "Norton AFB, CA, Airman of the Month."

BIRTHS

SSgt. and Mrs. Anthony J. Baltz, son, Paul Vincent, March 11. Father is an observer, Det. 25, 5WW, Howard AFB, CZ.

Sgt. and Mrs. Clifford D. Corpman, daughter, Angela Marie, Feb. 24. Father is an observer, OL-J, 11WS, Ft. Richardson, AK.

MSgt. and Mrs. Charles F. Fisher, son, William Kim, March 19. Father is a member, Det. 18, 20WS, Yong San Reservation, Korea.

Capt. and Mrs. James A. Ingle, son, Peter Guy, March 16. Father is an environmental analyst, ETAC, Scott AFB, IL.

A1C and Mrs. Michael R. Ross, son, Jayson Michael, March 5. Father is an observer, Det. 22, 24WS, Keesler AFB, MS.

MARRIAGES

A1C June Y. Martin was married to Sgt. Rickey L. Roughton in the Clark AB, RP, chapel Feb. 18. Both are members of Det. 5, 1WW, there.

TSgt. William F. Burnes married Yon Sil in the Yong San chapel, Seoul, Korea, March 5. An un-welcome wedding present came in the form of a permanent change of station assignment to Kusan AB, Korea, where dependents are not authorized. He reported to Kusan AB March 15.

COMMAND ASSIGNMENTS

Capt. Roland F. Tadd now commands Det. 5, 16WS, Ft. Knox, KY.

RETIREMENTS

Capt. Jerry R. Doss, commander, Det. 5, 16 WS, Ft. Knox, KY.

Osan's Detachment 15, 20th Weather Squadron

Detachment, satellite van give Korea weather edge

by
Sgt. Larry Finney

OSAN AB, KOREA—Forecasting the weather is not entirely a "hit and miss" guessing game, thanks to an automatic picture transmission satellite tracking van used here by Detachment 15, 20th Weather Squadron.

The van, which has been used here for some time, incorporates some of the latest technology in weather prediction.

"What the equipment in this van does," explained Capt. Saba A. Luces, the unit's meteorological satellite officer, "is give us a clear video picture of what is happening in the atmosphere. With these pictures we can determine what the weather is going to be like in our area for a given period of time."

The picture used for forecasting is received from a satellite orbiting the Earth.

"The satellite automatically transmits radio signals which are picked up by our antenna," said Captain Luces. "Equipment in the van receives these beams and forms video pictures."

The pictures show cloud coverage within a 450-mile radius of Osan AB.

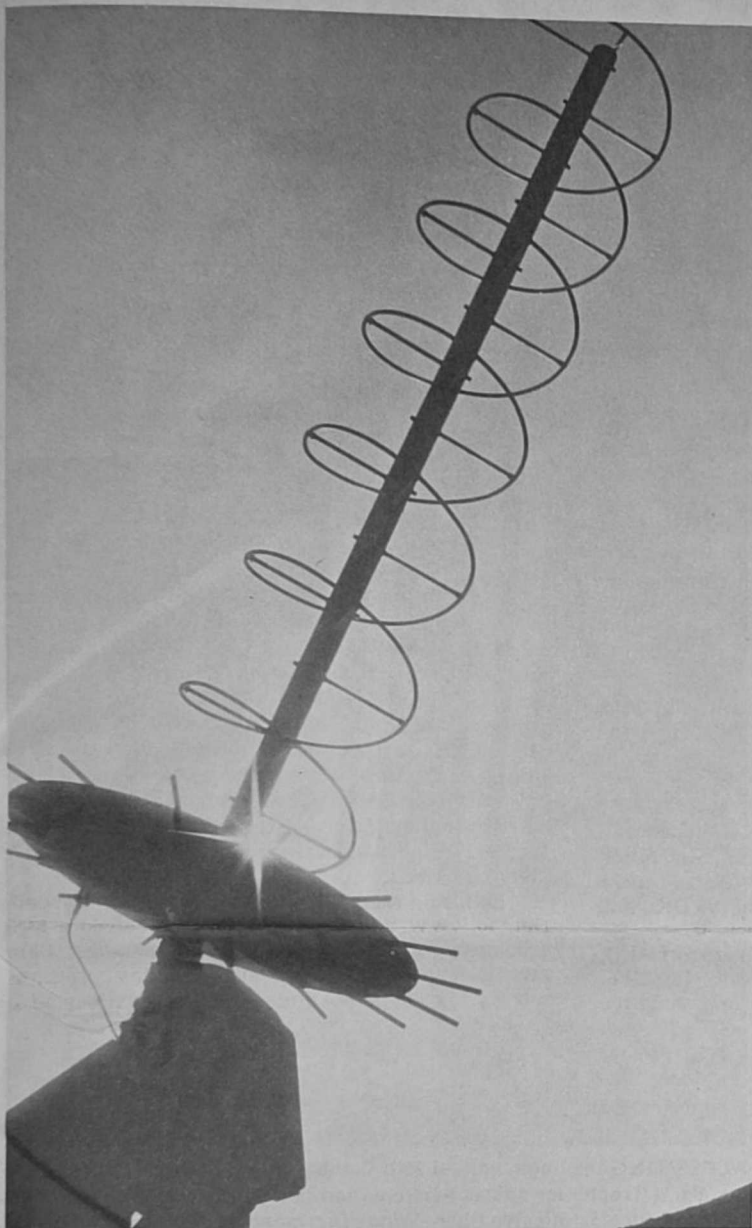
According to the captain, cloud formations are generally what influence weather in Korea.

To further enhance the detachment's capabilities, a more sophisticated system is earmarked for arrival in the near future. It will not only provide video pictures, but infrared photos as well.

"Once the new system gets here," Captain Luces added,

"we'll be able to get much more detailed pictures of the weather situation. We'll be able to determine things like cloud tops from their temperature and pinpoint exactly what areas are being influenced by the clouds."

The detachment's new satellite equipment will be part of the Defense Meteorological Satellite Program and is designed to give precise information about weather that might effect a base's mission capabilities.



MODERN FRONTIER TRACKER might be the name applied to the antenna on the automatic picture transmission satellite tracking van operated by Detachment 15, 20th Weather Squadron, Osan AB, Korea. The antenna is part of the equipment used to collect weather data gathered from a different type of frontier—space. (U.S. Air Force photo by SSgt. Chris Christilaw)



CONCENTRATION is the case as A1C Patrick Odle studies a weather photograph received in the satellite tracking van operated by Detachment 15, 20th Weather Squadron, at Osan AB, Korea. (U.S. Air Force photo by SSgt. Chris Christilaw)

Gonzalez gets Academy nod

RANDOLPH AFB, TX—Dean Wayne Gonzalez, son of MSgt. and Mrs. Carmelo M. Gonzalez, 24th Weather Squadron here, was recently selected to attend the U.S. Air Force Academy, Colorado Springs, CO.

He is slated to report to the Academy in June and will be a member of the Class of 1980. His Father is the 24WS chief observer.

Who decides how to manage the engineering, testing and evaluation, programming, installation and acceptance of ground weather equipment?

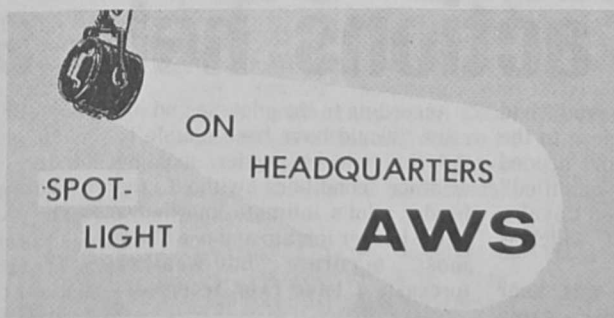
It is the eight-man Air Weather Service (AWS) Engineering and Programming Division, which has the office symbol LGKE.

LGKE reports directly to Air Force and has a job which last year alone saw them start 150 programs related to fixed meteorological equipment installations, relocations and removals.

Most of the 150 equipment actions were long term, which means LGKE must continue to administer them while starting from 100 to 150 more this year.

Three major programs managed by LGKE with which most weather people would be familiar are the installation of FPS-77 weather radars, removal of TPQ-11 cloud

L
G
K
E



height radars and the relocation of almost all representative observation sites (ROS).

Another function of LGKE is the managing of the meteorological portion of the Programmed Communications—Electronics Support Program or PCSP.

This job is unending because PCSP changes must constantly be made to keep weather operations current at Army and Air Force installations around the world.

Management, as done by LGKE, is not limited to radars, ROS's and the PCSP. Its responsibilities extend to runway visual range equipment, digital wind systems, miniature cathode ray tube equipment, maintenance of the solar radio and optical telescope system, Cold Fog modification dispersion system and lightning warning sets—and that is not all.

LGKE originated the maintenance concept for the tactical

weather radar system and clarified operating instructions for a portable meteorological set gained through the Army.

The clarification was necessary because AWS had not been in on the equipment's design or testing, even though its people must use it.

Another complex LGKE project was the procurement and installation of the new rawinsonde mini-computer. LGKE established an "in-house training program"

By
Capt.
Gary
P.
Noble

and now six of the mini-computers are installed and operating and two more will enter AWS this year.

Another major part of LGKE's vast responsibilities is the implementation of the Maintenance Management Information and Control System (MMICS). MMICS will eventually mechanize most of the present manual maintenance documentation.

We're here to help you, the weatherman. If you want to know what color to paint the transmissometer tower—or how to get a rain gauge—or a radar—or what happened to your suggestion, ask us. We'll do our best to help.

The "we" of the LGKE story are Max M. James, Capt. Gary P. Noble, 1st Lt. Alton H. Miyamoto, 2nd Lt. Russell Solt, MSGts. Fred Winters and Alfred Gordon, TSgt. Hans Schwander and SSgt. Lonny Henry.

SPORTS SHORTS

Airman gets Army recognition

FT. LEE AFS, VA—A letter of recognition from a U.S. Army general was the reward of a weatherman who helped lead the Ft. Lee Intramural Sports Program.

The letter was to Gregory W. Judge, Detachment 41, 12th Weather Squadron here, from Maj. Gen. Dean Van Lydegraf, U.S. Army Quartermaster School. Greg was one of six Ft. Lee men nominated for the installation's Horkan Award for sports participation.

Undaunted that another man received the award, Greg has already begun working toward the winner's circle for the 1976 trophy. In the Ft. Lee Intramural Wrestling Tourney he claimed second place in the 180-pound class.

Reed grabs Yokota AB title

YOKOTA AB, JAPAN—Russell W. Reed, Detachment 1, 20th Weather Squadron here, is the base's new singles handball champion.

Throughout four matches, each of which consisted of two games, Russ dropped every challenger. To further prove his prowess, no contender was able to earn more than eight points from him in any game.

Jack Joern nets court crown

OFFUTT AFB, NE—Jack Joern, 3rd Weather Wing here, took the Men's Upper Division B-Class trophy in the singles category of the Offutt AFB Spring Tennis Tournament recently. To earn the win he bested 16 challengers in a three-set, single-elimination pyramid.

Young boy has solution to often asked question

MONTAGUE, CA—Maj. Edward G. Vrable (USAF, Ret.), a former member of the Air Weather Service, recently sent the AWS OBSERVER a letter from his files.

The letter provided an eight-year-old third grader's explanation of why hurricanes are given women's rather than men's names. The letter said,

"Dear Captain Vrable, I hope you don't run into any airplane trouble flying back to Washington. By the way, I know why hurricanes are called girls names instead (sic) boys. Its (sic) because its a hericane not a himicane! I hope that you have lots of luck from now on. Sincerely, Peter Moncure, 3rd Grade, Age 8."

The letter was dated Dec. 14, 1954.

West Germany, Pacific Ocean

Weathermen's actions help save two lives

FEUCHT AAF, GERMANY—An event which could have caused a border incident between America and East Germany was avoided due to the professionalism of two weather men.

The Air Weather Service forecasters, TSgts. Robert T. Hall and Philip D. Henderson, Detachment 1, 7th Weather Squadron here, provided the critical weather briefing to two U.S. Army UH-1 helicopter pilots. The pilots had to evacuate an American woman injured earlier in an automobile accident in East Germany.

The East Germans moved the woman by helicopter to the border then by ambulance to the West German town of Hof.

There she was put aboard the UH-1, however, the medical

evacuation helicopter crew had never before flown so close to the East German border and needed guidance from "border-qualified" pilots of the 2nd Armored Cavalry Regiment, Feucht AAF, which is near Nuernberg.

The day's weather was near minimum for border area operations. Ceilings were below 1,000 feet, visibility was three quarters of a mile in dense fog and there was moderate turbulence.

Despite limited data, Sergeants Hall and Henderson gave an accurate flight weather briefing.

Following the two weather men's advice, the pilots flew in the lowest terrain because fog shrouded the hilltops. They picked up the severely injured woman and took her to a Munich hospital.

Det. 18 again receives wing safety honors

YONG SAN AI, KOREA—For the third consecutive year Detachment 18, 20th Weather Squadron, commanded by Lt. Col. Dale C. Barnum, has been awarded the 1st Weather Wing's Superior Safety Award.

Although the unit's maintenance and supply people travel extensively to serve six dispersed operating locations, there were no reportable ground safety accidents, on or off duty.

Colonel Barnum said, "All the care and caution exercised by the maintenance and supply men cannot alone account for our receiving the award.

"All the personnel in the detachment are responsible, as one careless accident would have cost us the award."

Eleven picked for SNCOA

SCOTT AFB, IL—Seven Air Weather Service men were among the NCOs recently selected to attend the USAF Senior NCO Academy's Classes 76-C and 76-D.

Class 76-C runs from May 25 to July 22, 1976, and Class 76-D from Aug. 10 to Oct. 7, 1976.

With the selection list MAC Personnel officials announced the name of class alternates.

Men selected were SMSgts. Douglas McWilliams, Lawrence A. Brown, Billy G. Knippers, Paul W. Persian, Norman A. Petersen and MSgts. John R. Zemba and Forrest E. Gray.

Alternates are SMSgts. James T. Chadwick, William B. Kist Jr., John A. Ellington and MSgt. Carmelo M. Gonzalez.



ACCEPTING the huge, annual 24th Combat Support Group [CSG] Commander's Trophy for sports participation is Lt. Col. John F. Pohle, left, Detachment 25, 5th Weather Wing commander, Howard AFB, CZ. Presenting the trophy is Col. Robert L. Barrett, right, 24CSG commander. The 110-person unit had 43 men in sports, 26 of whom were shift workers. The unit fielded teams in 14 of 15 sports in the Howard AFB intramural sports program. [U.S. Air Force photo by A1C Blaine Davenport]

According to the pilot, he and his crew "would have been unable to fly the mission under existing weather conditions without the border pilot's intimate knowledge of the border terrain and one of the most accurate bad-weather forecasts I have ever received."

HOWARD AFB, CZ—MSgt. Cecil Hamer and TSgt. William Hecke, Detachment 25, 5th Weather Wing here, recently found themselves in the thick of things when a Taiwanese seaman aboard a ship in the Pacific Ocean was stricken by acute appendicitis.

It was a Friday afternoon when, through U.S. Navy Radio Balboa's medico teletype system, word came of the man's plight. Medical

people determined the sailor either had to be evacuated from the ship or the vessel diverted to the nearest port.

The problem was the man's ship, the Lorina, was 1,600 miles southwest of Panama and 700 miles from the nearest land, the Galapagos Islands.

A check with New York's Coast Guard computer showed no other ships to be within 500 miles of the Lorina so a call for help was made to the Air Force Rescue Coordination Center, Scott AFB, IL. Soon an HC-130 Hercules of the 39th Aerospace Rescue and Recovery Wing was on its way from Eglin AFB, FL.

The aircraft picked up a doctor here before continuing on to the ship, which had altered its course

for the Galapagos Islands.

The only remaining factor which could cause trouble was weather—and the expertise of Sergeants Hamer and Hecke took care of that. Sergeant Hamer contacted Air Force Global Weather Central (AFGWC) and asked a man there to look for a weather satellite pass over the ship's area. The AFGWC man gave a verbal description of the satellite photo from which Sergeant Hecke put together a weather briefing. The aircraft was soon on its way to the stricken man.

By 10 a.m., Saturday the ship was located and three pararescuemen parachuted to help the seaman during the rest of the trip to the Galapagos Islands and safety.