

MAC TEAMWORK in action on this month's record-breaking Long Flight of an ARRS Lockheed HC-130 Hercules included AWS route-long weather support. Maj. Robert F. Woodnal, left, and Capt. Thomas D. Murphy of Air Force Global Weather

Central, Offutt AFB, Nebr., here check the computer-produced flight plan which pinpointed favorable tailwinds for the 8,890-mile Taiwan-to-Illinois flight.

## AWS aids long flight

SCOTT AFB, Ill.—Computer-produced AWS flight plans and weather-watching AWS people played a major role this month in a record-breaking Air Force flight. Following a week-long pre-flight weather watch, one of the computer's latest optional routes was selected and flown.

Flying without refueling from Ching Chuan Kang AB, Taiwan, to Scott, a Lockheed HC-130 Hercules of an AWS sister MAC service, the Aerospace Rescue and Recovery Service, hung up a new world's record for nonstop distance in a straight line by a turboprop aircraft.

Flown in 21 hours and 12 minutes, the 8,790-statute-mile flight by ARRS exceeded the old Navy-held record by nearly 2,000 miles. Landing was at Scott at 4:12 p.m., Sunday, February 20.

In order to use jet-stream tailwinds of 70 miles an hour, the flight was made at an altitude of nearly 40,000 feet. Average ground speed thus achieved was 422 miles per hour, reaching a maximum of 470.

Based upon constantly updated weather data, the Univac 1108 computer system of Air Force Global Weather Central, Offutt AFB, Nebr., produced three optional flight plans. Using new data, GWC's Maj. Richard G. Johnson constantly updated them

(Continued on Page 3)

## Fog-chasing weathermen end another successful season

Hq AWS—After a season in which, especially in Alaska, cold fog was uncooperative—staying away without waiting to be chased—AWS fog chasers have put away their equipment for another year.

Using airborne dry-ice dispensers aboard WC-130 Hercules aircraft and ground-based propane dispensers, this fifth season's fog-dissipation operations by AWS made possible 195 takeoffs and 175 landings by aircraft at a number of European and US bases.

The total of 370 takeoffs and landings facilitated in the 1971-72 fog season (November through February) brought the grand total since operational fog dissipation began in 1968 to 1,813.

Breakout (and figures for earlier years are approximate) shows 85 takeoffs, 114 landings for 1968, 180 and 155 for 1968-69, 147 and 107-plus, 1969-70, 369 and 286 for 1970-71.

In aerial operations, fog-chasing AWS weathermen fly specially equipped WC-130 weather-reconnaissance aircraft along a series of parallel tracks above the fog. In flight, crushed dry ice is dropped through a chute in the fuselage.

Falling into the supercooled—colder than freezing—fog, dry ice causes ice crystals to form, which enlarge by robbing fog of

its moisture. Becoming heavier as they grow, crystals fall as light snow, producing temporary clearing.

AWS fog operations took place this year at Ramstein, Hahn, Rhein-Main and Wiesbaden Air Bases in Germany, RAF Mildenhall in England, Elmendorf AFB, Alaska, and Fairchild AFB, Wash. At Fairchild ground-based propane dispensers were used instead of aircraft. Effect from this technique is the same.

At Hahn, similar ground equipment was tested. Aerial fog operations were scheduled but not performed at Bitburg, Spangdahlem and Zweibrücken AFBs, Germany, due to lack of suitable fog conditions.

## Propane system goes in at Elmendorf

ELMENDORF AFB, Alaska—Installed this winter at this far-north base, according to Col. Howard E. Lysacker, 11th Weather Squadron commander, was a ground-based network of propane-dispensing units to combat cold fog.

Scheduled to replace WC-130 airborne dry-ice seeding to clear Elmendorf's runways, the propane system will include 19 stationary units on the air base and nearby Fort Richardson. Each unit has a 1,000-gallon propane tank, a control valve, flexible hosing to carry propane to the top of a

# AWS overages dictate attention to retraining

Hq AWS—Decreases in AWS authorizations, Personnel officials report, both announced and planned, are creating overages in the weather-officer career field.

Air Force's Military Personnel Center at Randolph AFB, Tex., points out that there are other highly technical support fields for which weather officers are exceptionally well qualified by education.

The Observer regretfully reports the deaths of the following AWS people.

Mrs. Joseph C. Kubala, wife of SMSgt. Joseph C. Kubala, January 24, at Walter Reed General Hospital, Wash., D. C. Sergeant Kubala is assigned to the 6th Weather Wing, Andrews AFB, Md.

Kevin Gillmore, 6, son of TSgt. and Mrs. Walter H. Gillmore, Detachment 16, 31st Weather Squadron, January 10, drowned while playing near the Ebro river in Zaragoza, Spain.

Daniel Roger, 13, son of MSgt. and Mrs. Frederic R. Roger, AF Global Weather Central, Offutt AFB, Nebr., February 7, of injuries received when struck by an automobile while sledding.

As an initial means of reducing weather-officer overages, the center is seeking volunteers for retraining into other career fields.

Volunteers are particularly sought for the following fields: development engineering (AFSC 28XX), computer technology (51XX), civil engineering (55XX), communications electronics (30XX), munitions (46XX), scientific (26XX), system program management (29XX), missile operations (18XX), logistics (66XX), procurement (65XX) and weapons director (17XX).

AFMPC points out that retraining is not restricted to those fields, although most requirements exist there.

In addition, openings still exist for FY 72/73 Air Force Institute of Technology advanced education degree programs in physical sciences and engineering. Qualified officers are being urged to apply for these vacancies.

Under this retraining program, applications should be submitted in accordance with paragraph 1-17, AFM 36-11.

Individuals interested in AFIT advanced degree programs should apply under provision of AFM 50-5.

MPC project officers are Lt. Col. H. E. Mathes, Autovon 487-5467 or 487-2986, and Maj. D. L. Brakebille, 487-4562 or 487-2668.

MAC project officers are Capt. R. L. Kramer, Autovon 638-2940 or 638-3525, and Capt. D. A. Tantillo, 638-4895.

Officers stationed overseas are permitted to apply. Selection in such cases, however, will be based upon the month estimated for return from overseas (DEROS).

Det. 17, 20th WS, Yokota AB, Japan, TSgt. Theodore J. Beltz, 58th WRS, Kirtland AFB, N. M., TSgt. James R. Brittingham, 7th WS, Heidelberg, Germany, TSgt. Richard J. Fleming, 6th WS (Mobile), TSgt. Berth C. Frankowski, Det. 3, AWS headquarters, Sunnyvale, Calif., TSgt. Michael R. Hayes, 4th WW, Ent AFB, Colo.,

TSgt. Frederick C. Hess, 54th WRS, Andersen AB, Guam, TSgt. Fred G. Martin, 5th WW, Langley, Va., TSgt. Giroud McDaniel, AF Global Weather Central, Offutt AFB, Nebr., TSgt. David A. Murphy, Det. 1, 26th WS, Castle AFB, Calif., TSgt. Alfredo Santacruz, 55th WRS, McClellan AFB, Calif., TSgt. Wilfred A. Sibayan, Det. 12, 7th WS, Ellsworth AFB, S. D.,

TSgt. Junior R. Taylor, Det. 30, 6th WW, Vandenberg AFB, Calif., TSgt. Bobbie Vallianatos, Det. 4, 2d WW, Athens, Greece, SSgt. Thomas J. Hayden, Det. 3, 4th WW, Malmstrom AFB, Mont., and SSgt. Willard R. Thompson, 56th WRS, Yokota, Japan.

## Commandant's award goes to AWS sergeant

NORTON AFB, Calif.—MSgt. Leslie F. Farkas, weather forecaster, Detachment 17, 20th Weather Squadron, Yokota AB, Japan, has won the Commandant's Award for Class 72-6 of the Military Airlift Command NCO Academy.

The award is given to the student displaying outstanding attitude, progress, effort and leadership qualities while attending the academy. Sergeant Farkas was honored from a select student body of 135 noncommissioned officers attending the class.

Other weathermen gaining honors as distinguished students were MSgt. Joseph A. Lake, 6th Weather Squadron (Mobile), Tinker AFB, Okla., TSgt. Robert W. Butterbaugh, Detachment 23, 6th Weather Wing, Kirtland AFB, N. M., and TSgt. Lawrence J. Wojcik, 1st Weather Squadron, MacDill AFB, Fla.

Others from AWS graduating were MSgt. Charles C. Ennis,

20-foot mast, and a vaporizing nozzle to dispense the gas into fog.

To be radio-controlled from the base weather stations, the units can be remotely activated. Injection of the cooling agent (propane) into supercooled fog causes suspended water droplets to freeze and fall out as light snow.

Expected to save the Air Force \$500,000 yearly in operational costs, the ground-based system will speed up reaction time, experts say, and provide year-round coverage for the Alaskan base.



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

**LT. COL. WILLIAM H. QUELCH Jr.**, Director of Information

**MR. JOHN D. RUGG**, Executive Editor  
**MSGT. ED BURCHILL**, Associate Editor

## Pride in the Past--Faith in the Future

### Guest Editorial

## Look to the Future

By Col. Morris H. Newhouse, 1st Weather Wing Commander

Each of you at one time has wished he could see into the future, especially if there was an important decision to be made, the outcome of which could affect you profoundly.

Just for a moment, let's peer ahead and see what the future holds in general for you and for our society, as seen through the eyes of an eminent social analyst, Peter F. Drucker.

Drucker has had remarkable success in the past in predicting the course American society would take economically and culturally. Writing in a recent issue of Harper's magazine, he outlines the trends he sees in our society in the next 10 years.

The "Youth Revolution," according to Drucker, will end around 1975. It began about six years ago when the 17 and 18-year-olds, who were a product of the post-war baby boom, became the largest year group in the American population.

In marketing and advertising, the youth market became dominant. Not only because there were a lot of young people, but also because they had a lot of "discretionary income." That is, money they could spend on whatever they pleased, with the basic necessities provided by parents. Very few of them were members of the work force.

But Drucker sees the center of population moving upward in age until by 1975 it will be about 21. Those 17-year-olds who had so much spending money will suddenly find themselves working to make ends meet, with little money to burn.

It will take a considerable number of jobs to meet the employment needs generated by this large segment of the work force. In fact, Drucker predicts, "During each year of the next decade we will have to find jobs for 40 per cent more people than in each of the past 10 years."

In other words, the already poor civilian job market stands to grow even worse, and particularly hard-hit will be the college-educated worker. The pinch is being felt already: this summer, volunteers for the armed forces increased in number, even though the draft law had lapsed. Experts say it was because there were no jobs available for recent high-school and college graduates.

Let's return now to that important decision I spoke of at the beginning, the one which may affect you profoundly. If you are a young officer or an enlisted man, one such decision is the significant question: "Should I stay Air Force or should I return to civilian life?"

It is not an easy decision, so I urge you to consider what Drucker is saying. Although you may not see the coming decade as clearly as he does, you must admit that his conclusions seem logical and sound.

The 1970s promise a return to more traditional values, a return to a production-oriented society in which knowing how to do things is more important than thinking up new things to do.

Accordingly, if you're a junior officer making this decision, you should consider that the civilian job market is getting smaller, especially for young, well-educated executives seeking jobs requiring innovative thinking.

In my opinion, the outlook for this kind of job is not very bright. In the Air Force, however, innovation is the key to doing more with less in a force drawn down to meet DOD budgetary restrictions. It's something to consider before you decide.

If you are a junior enlisted man, conditions are only slightly better. Jobs will be less scarce for those in skilled trades, but scarce all the same. If you have considered an Air Force career seriously and in depth and you still want out, then I wish you luck. But before you do, get all the training you can from the Air Force. Build those skills you will sorely need as a civilian.

For those of you who are neither of the above, who have already made your decisions, you must give the soundest advice you have about an Air Force career to those young men and women who seek it. You have a responsibility to give them the truth about the service and help them with that important decision.

## General Best talks career possibilities

(Editor's Note: Following is the latest in a series of excerpts from the AWS Commander's 1971 interview by the AWS Historian.)

Mr. Fuller: "In view of the atmosphere of doing more with less in the 70s, what kind of career potential is there for the young officer and young airman in AWS? If I were a young officer coming in as an AWS meteorologist, aware of pressures to reduce the weather service, I might be disinclined to make an Air Force career in the Air Weather Service."

General Best: "Well, if you were in fact in that category of officers, I think it would be good for AWS for you to separate after your initial tour.

"I think the challenge in AWS in the decade of the 1970s for the young guy, officer or airman, is fabulous. But it's fabulous only to the guy who really wants to be challenged.

"Doing more with less, for example; that's a fantastic challenge right there. We've got to become more efficient, and avoid using manpower just to stand around and wait for business.

"And getting into some of the esoteric fields . . . solar forecasting . . . weather modification . . . environmental pollution.

"Until a few years ago, those were hazy areas, off in the wild and woolly future. Those fields are tremendously attractive to a young person who wants to get into something that's scientifically stimulating and self-fulfilling.

"I'm reminded of General Chapman's comment on the outlook for the US Marine Corps: 'We want the Corps to be hard to get into and easy to get out of,' he said.

"I would like that very much for AWS—hard to get into and easy to get out of. We could really screen guys to get the best. If a guy came in and got turned off, the heck with him. Let him go; he's a drag on you.

"It's not easy to anticipate the

## Command Line

Brig. Gen. William H. Best Jr.



*We have only recently come to see the abuse of drugs as a significant social problem of our times. I am deeply concerned with the number of drug abuse incidents that are coming to light in Air Weather Service. The numbers of cases are small compared to our total size, but I suspect the true dimensions of this problem are not yet known.*

The drug abuser represents a special challenge we must all become concerned about. He is not simply the problem of a commander or first sergeant; he is everyone's problem.

Reasons for this lie in the nature of a drug abuser and the circumstances of our job. Drug abusers are "cop-outs." They use alcohol and other drug forms to escape temporarily from the pressures of the real world.

Accordingly, their abilities to deal with facts and concerns that must be faced in living and doing our job are severely limited. The result in each case is that they become dead weight, and we cannot afford this luxury.

*How can you help? First, avoid excesses in using alcohol or medications and stay away from all illegal drugs.*

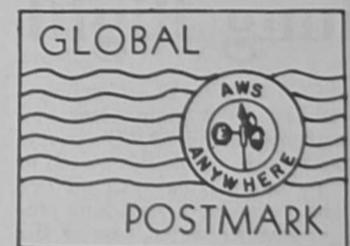
Second, beware of anyone who offers drugs to you as the means to a new kick, or as a requirement to join his (or her) company. He may be a roommate or fellow worker, but he's no friend.

*Third, report anyone you believe to be abusing drugs to your supervisor or commander. He is in a position to get the facts and to insure the individual gets needed help.*

Finally, if you're abusing drugs of any kind, take advantage of the Limited Privileged Communication Program and get professional help with your problem now.

future. But if we are drawn down numbers-wise, we can be more selective in the people we take, because we won't need such large numbers.

"Taken altogether, I would say that the career opportunities in the Air Weather Service will be great in this decade. I'd just love to be a young officer coming into the business."



Space Science and Engineering Center, University of Wisconsin at Madison, is looking for a user-oriented meteorologist to take charge of a large multi-year research program.

Ideally, he would have an advanced degree, not necessarily in meteorology, experience in research-program management, strong interest in serving the ultimate user of weather services, and be an aggressive, personable, excellent communicator who is looking for a challenging and difficult job.

The one who gets the job will be responsible for all aspects of the program, with plenty of growth potential. Moderate travel required. Salary open.

Interested Observer readers should send their resume to me with the names of three references. Address is 1225 West Dayton Street, Madison, Wis. 53706.

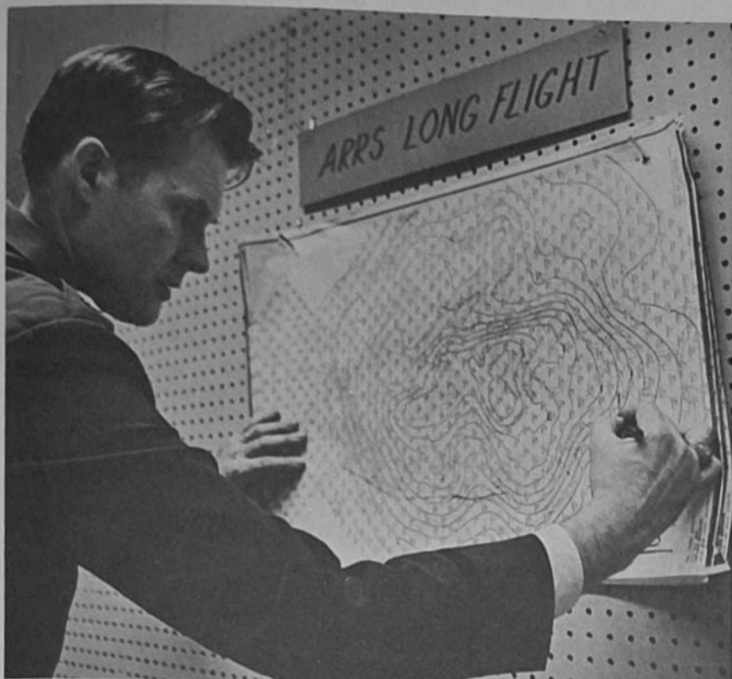
Miss Mary Hansen  
Administrator of Services

## One careless moment . . .



. . . brought sudden death

## Weather support in action



WIND-FLOW chart for the area of the new record-breaking HC-130 flight is analyzed by Maj. Jay G. Hale, staff weather officer.

### Long Flight

(Continued from Page 1)

throughout the flight.

Before the flight, the 55th Weather Reconnaissance Squadron flew last-minute WC-135 reconnaissance and scout missions over the then-most-likely route. Maj. Jay G. Hale, 7th Weather Wing, constantly monitored the optional flight-plan weather for a week before takeoff and briefed the ARRS staff at Scott the day before the flight.

Commanding the augmented HC-130 ARRS crew was Lt. Col. Edgar L. Allison Jr., whose briefing was provided by 1st Weather Wing's Detachment 23.

The record-breaking crew was met at Scott by MAC Commander Gen. Jack J. Catton and President Larry O. Kitchen of Lockheed-Georgia, the company which manufactures the Hercules.

General Catton presented the Distinguished Flying Cross to Colonel Allison and Air Medals to his crew.

The old record, which had to be exceeded by at least one percent for the new mark to be

### Tornadoes kill 118 yearly

Tornado statistics for 1971 show that 654 tornadoes per year have been the average in the United States for the past 19 years, resulting in an annual average death toll of 118.

From March 1952, when the nation's present warning system began, through 1970, 3,553 tornado watches had been issued to the public. Of this total, the National Weather Service reports, 41 percent (1,468 watch areas) produced tornadoes. An average lead time of 50 minutes elapsed before tornadoes struck.

States with the largest number of tornado deaths in the past 19 years have been Mississippi, 292, Texas, 286, Michigan, 218, Indiana, 147, Kansas, 131, and Oklahoma, 127.

valid, was set in January 1971 by a US Navy P-3 Orion, flying 6,842 statute miles. The ARRS crew exceeded this record when they flew over Portland, Ore., at 11:45 a.m. Sunday.

## Drive begins for new AFA members

Hq AWS — A drive has begun, in conjunction with this year's observance of USAF's Silver Anniversary, to increase Air Force, MAC and AWS membership in the Air Force Association (AFA).

"For the past 25 years," said Gen. Jack J. Catton last fall, "everywhere I go I seem to run into you AFA people, doing important things."

The MAC commander expressed these sentiments to AFA's 25th anniversary convention in September 1971. Important things done by AFA have been to further their charter's primary objective: "to assist in obtaining and maintaining adequate aerospace power for national security and world peace."

"Years ago," the general continued, "the important thing was a separate Air Force. I remember Jimmie Doolittle's evaluation, that the AFA did more than any organization to achieve a co-equal and autonomous Air Force."

"More recently, I detect an ever-quicker pace in your progress toward power for peace and an informed American public. Nothing is more important today."

Independent, nonprofit AFA represents all members of the aerospace team, military and civilian, reservist and guardsman, active and retired.

Benefits for AFA members in-

### AFGWC officers sponsor scouts in Explorer post

OFFUTT AFB, Nebr. — AWS's Air Force Global Weather Central Junior Officer Council is sponsoring a Meteorology Explorer Post here.

Activities of the post are intended to provide high-school students an objective insight into the world of meteorology. Post members are given an opportunity to work with professional meteorologists in a real working environment, using AFGWC's facilities.

The Explorers have observed the sequence of events leading to a forecast, which includes data acquisition, data processing, analysis and forecasting. Members have plotted codes and analyzed plotted charts. Knowledge gained from such exercises has led, in one instance, to a "mini" class taught by Explorers in their own high-school science program.

To explore as many facets of meteorology as possible and to complement activities at AFGWC, post members will visit civilian facilities. The post plans to take observations, observe releasing and tracking of a pibal (pilot balloon), and visit other facilities to see how weather data is used.

Exploring is an attempt to help young people define their present and future roles as individuals in the world of work. But Exploring also sees a need to develop social, service and recreational activities relevant to the interests of young adults. AFGWC's post has also participated in such activities as drug seminars, road rallies and Explorer Olympic games.



LARK 45 RETIRED — Lt. Col. Carlton Garlock, operations officer, 55th Weather Reconnaissance Squadron, McClellan AFB, CA., accepts a plaque officially retiring his call sign, Lark 45. Col. Wilson Palmore, squadron commander, made the presentation in honor of Colonel Garlock's outstanding service to the 55th. Colonel Garlock is being transferred to Hq 7th AF Staff Operations in Saigon.

clude low-cost insurance programs, a monthly Air Force Magazine and the opportunity to contribute toward such endeavors as improving the life of the man in uniform, humane treatment for American POWs, Arnold Air Society, Aerospace Education Foundation, ending the Southeast Asian war honorably and rapidly and Air Force Aid.

Gen. John D. Ryan, Chief of Staff, recognized AFA's worth when he said, "The Air Force Association has earned the respect of the Air Force and certainly deserves our support."

AFA membership, now over 100,000, is entirely voluntary. All in the community with an interest in the Air Force are encouraged to join, contrary to the common belief that AFA includes only officers and businessmen.

In 1972, with the Air Force,

marking 25 years of aerospace service, the Air Force Association begins its second 25 years of "doing important things."

### Fontana picked top forecaster in 26th Squadron

1st Lt. Christopher E. Fontana has been selected as 26th Weather Squadron's Forecaster of the Year for 1971. Lieutenant Fontana was commander of the 26's Detachment 34, Dyess AFB, Texas, from August through November 1971. During this time the detachment rated highest in 3d Weather Wing for forecast verification, earning a MAC Pride Award for outstanding weather support. During the last 96th Strategic Aerospace Wing's Operational Readiness Inspection, Fontana originated a new method of teletype coordination between weather detachment and squadron which has been recommended for squadron-wide adoption. He was also cited for the outstanding radar training program he organized. In addition to his personal instruction, he has compiled a large background library on radar techniques and written a radarscope interpretation manual.

**WONDER where the Observer stories come from? They come from you—or should—if your unit is to be covered. Refer to the Information chapter of the Detco's Handbook for guidance. Address material to Editor, OBSERVER, AWS/OI, Scott AFB, Ill. 62225. Do it today! The Editor**



NOTING DOWN his comments, Col. Isaac S. Israel, AWS personnel deputy, confers with SSgt. Thomas F. Dunn at Detachment 8, 20th Weather Squadron, Kadena AB, Okinawa.



TALKING IT OVER at Detachment 18, 20th Weather Squadron, Yongsan Army Installation, Korea, are CMSgt. Martin W. Dwyer, AWS chief master sergeant (center), and CMSgt. David S. Jaynes Jr., left, Detachment 18's chief observer, and TSgt. Donald W. Sowalskie, observer.

# Training Air Force weathermen: *Lifeblood of AWS*

By William A. Jenner  
AWS Director of Training



WORTH OBSERVING is Airman Janet S. Michael, student in the basic weather observer course. She takes a reading from the GMQ-10B transmissometer visibility-measuring set, during the 16-week course in which WAFs make up about 15 percent of the students.



ALIGNMENT of the rawinsonde antenna control unit is tested by student SSgt. Stephen A. Muscarella in the foreground, while classmate SSgt. Antonio Correa checks rotation of the transmitting antenna. Used to measure temperature, pressure and humidity to 125,000 feet, this weather equipment is studied in a seven-week special training course.

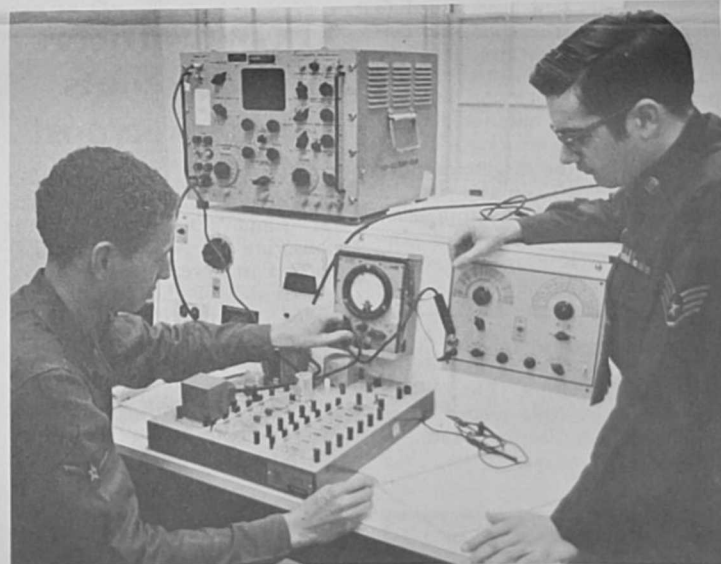
Aside from the so-called Mark Twainism that "everybody talks about the weather . . .," journalism's most hackneyed phrase may be that something or other is "the lifeblood" of something or other.

The case in point, however, justifies fully the use of that vital designation. The Department of Weather Training of the Air Training Command's Chanute (AFB, Ill.) Technical Training Center (to give it its formal title) is truly the lifeblood of Air Weather Service.

Without the department's services, AWS would soon shrivel and die, becoming incapable of providing its vital services to numerous Defense agencies and others. Trained people must continually be fed into the various weather-support fields.

Provision of this truly essential AWS resource—without which AWS could not meet the needs of its customers—is the responsibility of the dedicated training personnel at Chanute.

Three basic courses are conducted for incoming AWS people, new to the ranks of the Air Force weather service. In just one of these courses—the Basic Weather Observer Course—some 7,000 new AWS observers have been trained in the past decade alone. Among this number are in-



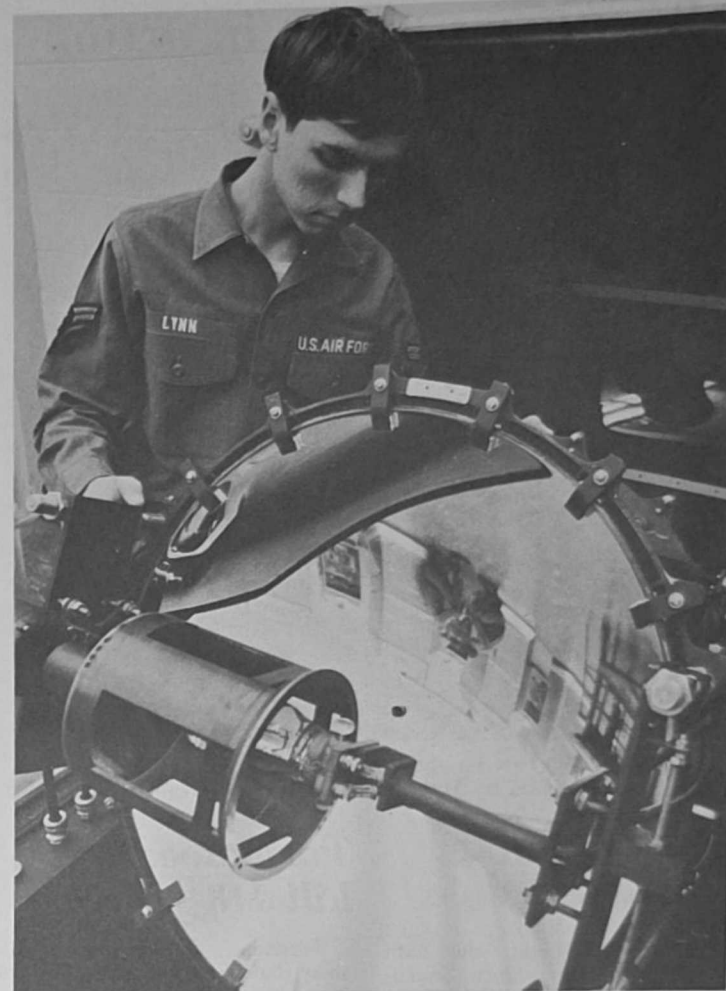
ELECTRONIC principles are put into practice by Airman Charlemagne M. Fornerette in the weather equipment repairman's course under supervision of SSgt. Tony I. Sommer.

cluded nearly all of the weather observers presently on duty with AWS around the world.

This observer course stresses observation and recording of weather elements and operation of associated mechanical and electronic meteorological and communications equipment.

The other basic courses at Chanute are the Weather Equipment Repairman Course and the long-handled Airborne Meteorological Atmospheric Research Equipment Repairman Course. The former involves learning to repair and maintain electronic, mechanical and optical weather equipment.

The latter provides instruction in repair of computerized meteor-



MERCURY-SWITCH alignment is checked by student Airman James T. Lynn in the 28-week weather equipment repairman's course. SSgt. Frederick L. Neubauer and Airman James W. Nichols, in miniature and upside down, are visible in the parabolic mirror of this GMQ-13 rotating-beam ceilometer, which measures cloud heights.

ological and atmospheric research equipment used by flying reconnaissance units of AWS. Each of the two repairman courses includes 17 weeks of electronics fundamentals, also given to many non-AWS students in other specialties.

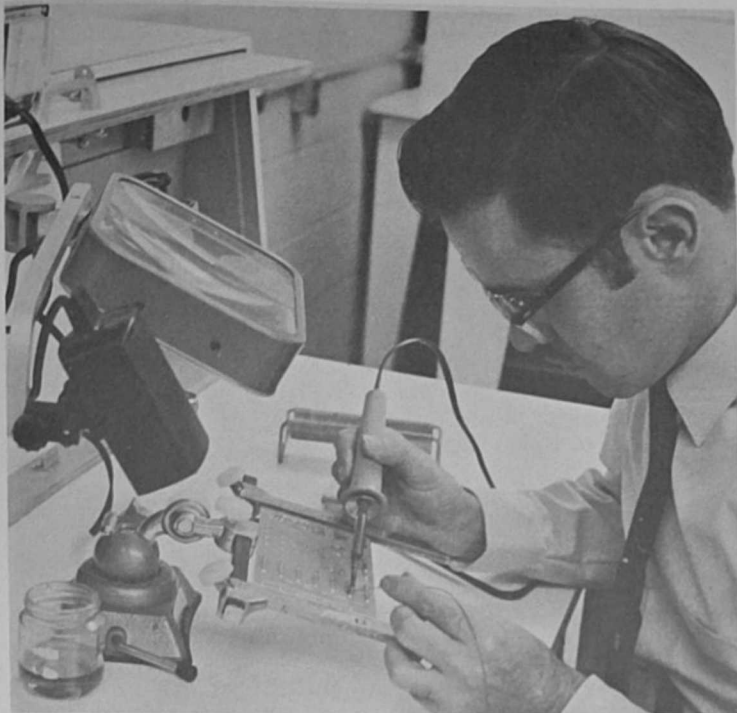
Chanute's weather-instruction program does not stop with training new personnel for the military weather service. It goes far beyond that.

Required technical training for AWS enlisted forecasters—a course for which AWS officials are now urging applications from qualified observers is now provided at Chanute.

Highly qualified staff sergeants (or E-5 selectees) who are 5-level or higher observers may submit AWS Form 47 through



SATELLITE PHOTOS bring cloud patterns directly to the weatherman through the APT (automatic picture transmission) receiving station. SSgt. John A. Hall adjusts the APT to achieve the strongest possible signal and produce the cloud pictures on the right.



IMPROVED SOLDERING techniques are demonstrated by TSgt. Walter L. Knox, as taught in the high-reliability soldering and connections special course, using a printed circuit board.



CHARTS play a major role in weather predictions. SSgt. Charles F. Van Rossum, left, and SSgt. Arthur H. Archibald here study the latest surface

chart, while SSgt. Kenneth J. Cutler checks present weather observations. All are students in the 32-week weather forecaster course.

channels to volunteer for selection.

Selectees will attend the Airman Weather Forecaster Course (3ALR 25330) at Chanute, which provides instruction in synoptic meteorology, weather analysis, weather-central products and customer briefing.

A mandatory course for attainment of the 7-level in the 302XO career ladder is the Weather Equipment Technician Course, which covers a large variety of equipment and deals with theories as well as applications of techniques.

In addition to those five Chanute courses, which are essential to career development for AWS airmen, special and supplemental courses are conducted at the school. Held for both airmen and officers, these courses are designed to meet unique AWS needs.

Examples are courses in tropical meteorology, radar and

weather satellite interpretation and many special weather-equipment repair courses.

AWS's Basic Meteorology Program to train new officer forecasters, conducted at eight civilian universities, is supervised by the Chanute Department of Weather Training.

The weather school began in September 1939 at then Scott Field, Ill., as an adjunct to the Scott base weather station. In the spring of the following year, it moved to Chanute, where it has been in existence ever since, marking in this 25th Air Force anniversary year its 33d birthday.

Historically the Technical Training Center, AWS officials point out, has always been responsive to AWS training needs. Two new courses, keyed to AWS operations, are in the planning stages—one for detachment commanders, another for chief observers.

It is truly a truism that Cha-

nute and its Department of Weather Training are the lifeblood—or, perhaps more precisely, the heart which pumps the lifeblood—of Air Weather Service. Without their dedicated efforts, AWS would be unable to continue its global performance of a highly technical, highly important mission.

### Chanute readies two new courses

CHANUTE AFB, Ill.—Tentatively scheduled for inauguration this summer, two new AWS courses are being brought from drawing board to flight line at the Department of Weather Training.

Likely to begin in May, a new course for weather officers will aid in qualifying its students for staff positions and posts as detachment commanders.

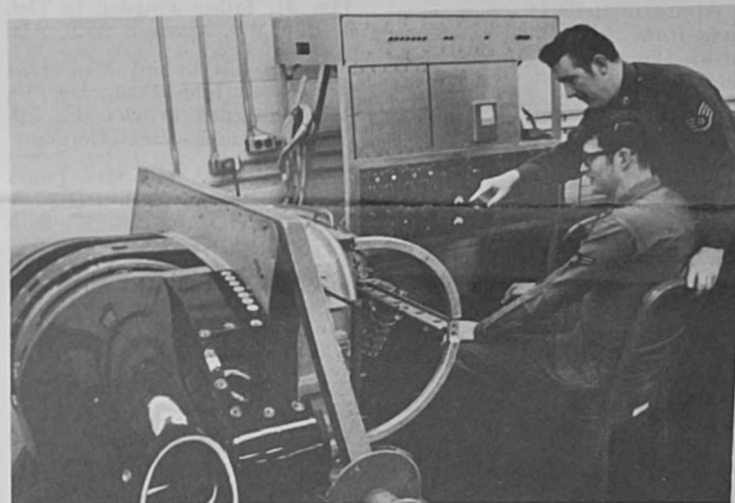
Selection for the six-week Detco course, which will enroll 12 officers per class, will be by AWS wings against quotas assigned by AWS headquarters. New detachment commanders for overseas assignment without prior Detco experience may be assigned to the new course, however, directly by AWS headquarters.

Tentatively slated for July starting, a new Chief Observer course will be seven weeks in length, will have nine students per class.

Expected to be run on a seminar basis, considering as class subject matter various observing problems and items resulting from Inspector General findings, this course will operate with three-man teams or working groups.

Thus, feedback from in-class discussion will benefit operational problems throughout AWS, bringing to bear on field problems the expertise of observer students.

Application procedures for the new courses will be announced at a later date, AWS training officials report.



ATMOSPHERIC research equipment is explained to A1c Gary A. Boyer by Instructor SSgt. Roher W. Wettischreck. At left is air intake of a U-1 foil carried on the outside of WC-130 and WC-135 weather-reconnaissance aircraft.



COMPUTER-USING Airman Debra K. Doan calculates the dew-point pressure along with basic weather observer classmates Airmen Martin D. Larson, left, and Carey L. Kinsey.



TROUBLESHOOTING the GMQ-10 transmissometer is part of the basic repairman's course. Participants, left to right, are A1c John H. Kune Jr., Instructor Roger A. Buchholz, A1c Ian A. Henry, Instructor Sgt. Craig D. Zimmerman and A1c Roy W. Funk Jr. and Michael J. Whitley.

## Units named for AFOUA

HQ AWS—The following Air Weather Service units have been awarded the Air Force Outstanding Unit Award: 11th Weather Squadron, Elmendorf AFB, Alaska; Detachment 10, 6th Weather Wing, Eglin AFB, Fla.; Detachment 25, 6th Weather Wing, Alexandria, Va.; and Detachment 75, 5th Weather Wing, Eglin Auxiliary Field #9, Fla.

## AWS hosts ANG meet

SCOTT AFB, Ill.—Air Weather Service this month hosted the seventh annual Air National Guard Weather Flight Commanders Conference here.

AWS has 39 weather flights, located in 26 states. Each flight trains with and provides meteorological services to its host ANG Air Force or Army flying unit every month and during an annual 14 days of active duty.

Approximately 110 representatives from these flights, Military Airlift Command, National Guard Bureau and AWS met in the MAC Command Conference room for three days.

Brig. Gen. William H. Best Jr., AWS commander, and Harold Greene, deputy chief, Meteorology Division, NGB, gave opening remarks and introduced the conference theme, "New Emphasis Being Placed on Reserve Forces."

Five flights received Outstanding ANG Weather Unit awards for superior work in 1971: the 154th, Little Rock, Ark., 155th, Memphis, Tenn., 156th, Charlotte, N. C., 167th, Charleston, W. Va., and 201st, Amityville, N. Y.

## Meteorology students join Chi Epsilon Pi

COLLEGE STATION, Tex.—Nine Air Force officers, meteorology students at Texas A & M University, were initiated by Society President AWS Capt. Gary E. O'Connor into the honorary meteorology society, Chi Epsilon Pi.

Two of the men were sent to Texas A & M to receive an undergraduate degree, five were sent to participate in the basic meteorology program, and two are AFIT graduate students in meteorology.

The two graduate students are Capt. Richard A. Goldsmith and James L. Hatch. The ATC students are Capt. Larry D. Cork and Richard Vogt and Lt. Grant C. Aufderhaar, Douglas E. Guil-

bert and James D. Martens. The two AECF students are Sgts. John E. Vogel and Gary A. White.

Purposes of Chi Epsilon Pi are to recognize students with high scholastic ability and promise of achievement in meteorology and to promote student interest in advanced study of meteorology and related atmospheric sciences.

Initial chapter of Chi Epsilon Pi was formed at UCLA in 1950, the second at Texas A & M University in 1953. Chapters are located at following universities where AWS officers are trained: Florida State, St. Louis, New York and Pennsylvania State Universities and the Universities of Texas and Utah.

## Births in AWS

HAIRIE, SSgt. and Mrs. Leon T., a son, Christopher Lee, Jan. 19, father assigned to Det. 9, 15th WS, Maxwell AFB, Ala.

CARNAHAN, A1c and Mrs. Clifford P. Jr., a son, Eric Urian, Jan. 31, father assigned to Det. 9, 15th WS, Maxwell AFB, Ala.

PAGE, Capt. and Mrs. Jean H., a son, John Paul, Jan. 10, father assigned to Det. 11, 7th WS, Coleman Barracks, Germany.

SIKES, SSgt. and Mrs. James K., a son, John Leslie, Dec. 3, father assigned to Det. 17, 20th WS, Yokota AB, Japan.

WILSON, Sgt. and Mrs. Paul B., a son, Paul Douglas, Jan. 6, father assigned to Det. 11, 6th WW, Patrick AFB, Fla.

NORRIS, 1st Lt. and Mrs. Gary L., a son, Mark Andrew, Jan. 11, father assigned to Det. 7, 16th WS, Fort Ord, Calif.

DAVIS, SSgt. and Mrs. James

E., a daughter, Mamie Allison, Jan. 19, father assigned to Det. 31, 25th WS, Nellis AFB, Nevada.

EBERBACH, SSgt. and Mrs. Richard W., a daughter, Marlisa Linda, Jan. 26, father assigned to Det. 12, 7th WS, Wiesbaden, Germany.

SMATHERS, Sgts. Harold D. and Mary D., a daughter, Cassandra Therese, Dec. 31, father assigned to Flight Maintenance Section, mother, an observer, assigned to Det. 28, 25th WS, Ellington AFB, Texas.

MOUNT, Sgt. and Mrs. Charles W., a daughter, Jennifer Erin, Feb. 7, father assigned to Det. 8, 16th WS, Fort Riley, Kan.

CLARK, Capt. and Mrs. James R., a son, Steven James, February 6, father assigned to Det. 17, 20th WS, Yokota AB, Japan.

LANG, A1c and Mrs. Lawrence L., a daughter, Dina Lynn, January 8, father assigned to Det. 33, 3d WS, England AFB, La.

WINDER, SSgt. and Mrs. Wayne W., a son, Brian James, February 9, father assigned to OL-J, 11th WS, Fort Richardson, Alaska.

## Wedding

A1c Frank J. Patton 3d was married to Elizabeth A. Basanda January 8. A1c Patton is assigned to OL-A, Detachment 16, 16th Weather Squadron, Fort Leonard Wood, Mo.

## Visits Offutt AFB

OFFUTT AFB, Neb.—Maj. Harold E. Mathes, Military Personnel Center (MPC), Randolph AFB, Tex., recently visited Offutt AFB to explain Air Force career development and personnel utilization plans to weather officers and noncommissioned officers here.

The MPC weather career development staff officer briefed weathermen assigned to Hq. 3d Weather Wing and the Air Force Global Weather Central (AFGWC). He also toured the AFGWC and was briefed by officials at the facility.



SMILING PAYOFF—Mrs. Emily Watson, clerk typist with 2d Weather Wing, Wiesbaden AB, Germany, came up with a suggestion that paid off to the tune of \$400. Her suggestion was to eliminate time consuming pen-and-ink changes to operational plans. Instead of the pen-and-ink changes to a plan, a letter will be issued to holders of the plan telling them of changes, the letter to be filed in front of the plan. Her suggestion has been forwarded from MAC headquarters to USAF for further consideration. Pretty suggester is the wife of SSgt. Spencer J. Watson, 7101st ABW, Wiesbaden.

## 12 AWS officers attend commanders conference

SCOTT AFB, Ill.—"People are the key—they are the most important and expensive resource you have. The job is tough and will be a lot more demanding in the future, so you must know more than commanders of the past."

These were the challenging words of Gen. Jack J. Catton, MAC commander, to 46 squadron commanders, including 12 from AWS, at the most recent Squadron Commanders Orientation. The fourth class since its inception last June was graduated February 4 after three and a half days of briefings by some 15 staff agencies.

Held as the first orientation in the new headquarters building, 26 colonels and 20 lieutenant colonels attended from MAC squadrons around the globe.

Maj. Gen. Gilbert L. Curtis, MAC chief of staff, presented opening day remarks. Brig. Gen. Oliver W. Lewis, MAC deputy chief of staff for personnel then outlined the course objectives.

General Lewis pointed out that the orientation is designed to help the squadron commander more effectively fulfill his responsibilities by providing him with current information and guidance.

Better knowledge of command responsibilities and the commander's role in accomplishing the MAC mission, and stimulation of renewed support of major policies and programs are the desired goals of the orientation.

A brief address by General Catton and a question-and-answer period closed out the conference. General Catton stressed that "We are looking for understanding, inspired leadership. A far more sophisticated kind of

leadership is required today. You have to care about your people's problems and communicate with them."

AWS attendees were Col. William C. Anderson, 24th WS, Randolph AFB, Tex., Col. Earl J. Barrows, 1st WS, MacDill AFB, Fla., Col. Lloyd C. Hughes, 15th WS, McGuire AFB, N. J., Col. Howard E. Lysaker, 11th WS, Elmendorf, Alaska, Col. Wilson V. Palmore, 55th WRS, McClellan AFB, Calif., Col. Bernard Pusin, 25th WS, Bergstrom AFB, Tex., Col. Keith D. Ricks, 53rd WRS, Ramey AFB, P. R., Col. John A. Samotis, 3rd WS, Shaw AFB, S. C., Col. Gordon W. Schmal, 26th WS, Barksdale AFB, La., Col. Click D. Smith Jr., 58th WRS Kirtland AFB, N. M., Col. James E. Smith, 17th WS, Travis AFB, Calif., and Col. Robert S. Wood, 31st WS, Ramstein AB, Germany.

Following the close of the orientation Colonel Pusin presented a plaque to General Catton on behalf of the weathermen attending the orientation.

### Are you eligible?

AWS people who were assigned to 5th Weather Squadron's Operating Location 2 during the period May 1 through June 29, 1970, are eligible for the Valorous Unit Award under Army Department's General Order 2264-252, dated June 29, 1971, reports Maj. John F. Pohle, now Andrews AFB, Md., chief forecaster. Those who served with the SEA Army-support OL during that time should advise their CBPO.

CMSGT

C. A. COCKRELL

9th WEA. RECON. WG.  
McCLELLAN AFB, CALIF.



A NATIVE OF ABILENE, TEXAS.

SPENT MOST OF HIS SERVICE IN THE MAINTENANCE CAREER FIELD AFTER JOINING THE AIR FORCE IN JULY 1952.

WAS CREW CHIEF OF THE B-58 "TALL MAN 55" WHICH SET THE TRANS-CONTINENTAL SPEED RECORD ON MARCH 5, 1962.

NCO ACADEMY GRADUATE. SELECTED AS AWS MAINTENANCE NCO OF THE YR 1962.

SERVED IN ALASKA, GERMANY, ENGLAND, SPAIN, JAPAN AND GUAM.

MARRIED TO THE FORMER BETTY MICKEY OF FT. WORTH, TEXAS. THREE CHILDREN, A SON AND TWO DAUGHTERS.

HOBBIES: FLYING AND LITTLE LEAGUE BASEBALL.

# Awards and decorations

## Bronze Star

Maj. Owen J. Macy  
Maj. Vernon M. Malahy  
Maj. Russell A. Hankins  
Capt. Francis R. Boman  
Capt. Nicholas P. Cimino  
Capt. Victor J. DeAlmeida  
Capt. John T. Greene  
Capt. Robert E. Peterson  
Capt. James M. Shunk  
Capt. Richard L. Wanall  
CMSgt. James T. Bragg  
TSgt. David R. Anderson  
TSgt. Thomas D. Gray  
TSgt. John E. Lein  
TSgt. Dale E. Smith  
SSgt. Gary L. Engel

## Meritorious Service Medal

Lt. Col. Isaac E. Avinger  
Capt. Lawrence B. Dillehay Jr.  
TSgt. Charles R. Zachary

## Air Force Commendation Medal

Lt. Col. Jerry G. Fuller  
Lt. Col. Ralph W. Thomas  
(2 OLC)  
Maj. Richard E. Smith (1 OLC)  
Capt. Thomas E. Hyde  
Capt. Jerome B. Dague (1 OLC)  
Capt. Roger W. Hansen  
Capt. James E. Henson  
Capt. Joseph H. Holt Jr.  
Capt. Darrell W. Van Klompenburg  
Capt. Edward A. Lane (1 OLC)  
Capt. Frank N. Latona  
Capt. Robert A. Marzano  
(1 OLC)  
Capt. Douglas A. Moore  
Capt. Milton G. Schellhase  
(1 OLC)  
Capt. Edgar W. Smoot  
Capt. James L. True Jr. (2 OLC)  
Capt. Dale D. Webster (1 OLC)  
Capt. Michael B. Westman  
Capt. David R. Williamson  
Capt. Dale E. Wolfe (1 OLC)  
1st Lt. Donald W. Cuplepper  
SMSgt. William M. Groom Jr.  
(2 OLC)  
SMSgt. Billy J. Jeter Jr.  
(1 OLC)

SMSgt. Lester C. King (1 OLC)  
MSgt. David A. Dean (1 OLC)  
MSgt. Duane L. Dillon (1 OLC)  
MSgt. Ronald Y. Levy (1 OLC)  
MSgt. Harry D. Maloy (1 OLC)  
MSgt. William R. Napier Jr.  
MSgt. Calvin S. Quattlebaum  
MSgt. Robert T. Speller  
(1 OLC)  
MSgt. Newton J. Tipsword  
TSgt. Melburn C. Applebee  
TSgt. Arlis E. Baker (1 OLC)  
TSgt. Russell L. Breidinger  
TSgt. John J. Carney  
TSgt. Donald R. Conner  
TSgt. David R. Davis  
TSgt. James E. Dawkins  
(2 OLC)  
TSgt. Thomas A. Force  
TSgt. Jeffrey A. Frank  
TSgt. Odel Gipson  
TSgt. Leo J. Glennon Jr.  
(1 OLC)  
TSgt. Ruel M. Hansen  
TSgt. Herbert H. Highfield  
TSgt. Kenneth L. Jenkins  
(1 OLC)  
TSgt. William L. McCarthy  
TSgt. Bill McCarty (1 OLC)  
TSgt. Price J. Oswald  
TSgt. Charles U. Peace  
TSgt. Tommy G. Robertson  
TSgt. Daniel J. Scarry  
TSgt. Harville D. Spence  
SSgt. Nelson H. Clothier  
SSgt. Michael L. Donze  
SSgt. Clyde E. Edmonde  
SSgt. Carey R. Fender  
SSgt. Barry W. Floyd  
SSgt. Fred W. Freeman  
SSgt. Dietmar Friton  
SSgt. Phillip R. Gingerich  
SSgt. Byron D. Graham  
SSgt. Thomas E. Hildebrand  
(1 OLC)  
SSgt. Charles H. Inscore  
SSgt. Ronald A. Koplitz  
SSgt. Robert D. Leach (1 OLC)  
SSgt. Duane E. Louy  
SSgt. James B. McClain  
SSgt. Johnnie L. Motley  
SSgt. Boyd C. Owens  
SSgt. Jimmie L. Rice  
SSgt. Robert C. Richeal  
SSgt. Bernard F. Schaeffers Jr.

SSgt. Larry J. Schihl  
SSgt. Leroy J. Schmitt  
SSgt. Henry R. Sherblum  
SSgt. Bruce D. Silliman  
SSgt. James M. Skinner  
SSgt. Charles L. Travers  
(1 OLC)  
SSgt. Davis C. Westbrook  
Sgt. Rodger E. Ahlberg  
Sgt. Michael D. Alquist  
Sgt. Bruce L. Bell  
Sgt. Carl M. Chambalain  
Sgt. Pedro Munoz Jr.  
Sgt. Jack W. Olmstead  
Sgt. George A. Rader Jr.  
Sgt. Jesse F. Weatherley  
A1c Richard A. Fleming  
A1c Enrico Lachmann  
A1c Willie Morales  
A1c Charles W. Osborne Jr.  
A1c Thomas R. Termyna

## Gold Pride Award

MSgt. James E. Wilson  
SSgt. Albert H. Mongeon  
Sgt. Dennis L. Nagel

## Blue Pride Award

Det. 34, 26 Weather Squadron  
Forecast Section, Dyess AFB

## GWHM winners

Hq AWS—Three weathermen are recent recipients of George Washington Honor Medals in the Freedoms Foundation's 1971 Valley Forge Patriots Awards program.

Capt. Thomas C. Hruskocy, 56th Weather Reconnaissance Squadron, Yokota AFB, Japan, Capt. Albert Mitchel Jr., 1st Weather Wing, Hickam AFB, Hawaii, and SSgt. Robert J. Williams, Detachment 5, 6th Weather Squadron, Wright-Patterson AFB, Ohio, were so honored for their letters on "What is an American."

# ON THE skew-↑ AWS Global Report

Highlights of Air Weather Service people at work and play

## Fort Ritchie, Md.

Detachment 29, 6th Weather Wing, here recently received a Letter of Appreciation from the US Army Post Commander for the unit's 100 percent participation rate in the Combined Federal Campaign fund drive. The AWS detachment was recognized as one of four tenants units achieving this plateau.

## Tan Son Nhut, Vietnam

In recent ceremonies here, Col. Mortimer F. Bennet, then 1st Weather Group commander, was presented two Republic of Vietnam Awards by Lt. Gen. Tran Van Minh, commander of the Vietnam Air Force. Awards were the Armed Forces Medal, First Class, and the Staff Service Medal, First Class. They were presented for efforts and guidance of USAF weathermen in training and instructing Vietnamese weathermen in forecasting, observing and maintenance.

## Andersen AFB, Guam

Three AWS NCOs were recently sworn in as new officers of Chapter 29 of the NCO Academy Graduates Association here. They are MSgt. Larry D. Scoggins, 54th Weather Reconnaissance Squadron, president, TSgt. Frederick E. Gyke, Detachment 2, 1st Weather Wing, vice president, and SSgt. Franklin C. Randleman, also of Detachment 2, treasurer. Sworn in as secretary was MSgt. Ronald Y. Levy, 605th Military Airlift Squadron, to give the Association an all-MAC crew at this SAC base.

## Vance AFB, Okla.

Detachment 15, 24th Weather Squadron, Maintenance Section has received the MAC Blue Pride Achievement Award twice for outstanding sustained performance. First award was for a 99.8 in-commission rate for the period May 1 to October 31, 1971. Second was for outstanding performance as revealed by the 7th Weather Wing's Quality Assurance Visit report. The back-to-back awards were presented in January and February. The section is headed by TSgt. Richard D. Rees, with SSgt. James P. McEwen, A1c Paul R. Illyes, A1c Michael S. Tsuji and A1c Paul D. Packard assigned as assistants.

## Yokota AB, Japan

First reenlistee for the newly activated Detachment 3, 9th Weather Reconnaissance Wing, is MSgt. David P. Coggeshall. The reenlistment oath was administered by Lt. Col. James E. Thompson Jr., while flying aboard a WC-135B aircraft on a weather reconnaissance mission. The ceremony took place at an altitude of 18,000 feet while flying from east to west over the International Date Line.

## Cam Ranh Bay AB, Vietnam

Initiative and interest in areas outside regular duty played an important role in the selection of SSgt. Fred W. Freeman as the NCO of the Quarter for the final three months of 1971. Ser-

geant Freeman, an administrative supervisor for Detachment 18, 1st Weather Group, here, is vice chairman of the Base Human Relations Council, a member of the Base Drug Abuse Committee and of the NCO and Airman Advisory Council, and a project manager for the Civic Actions program.

## Yokota AB, Japan

Capt. Alfred R. Garcia Jr. was recently awarded a Military Airlift Command Gold Pride Personal Achievement Award for outstanding performance. As commander of Detachment 52, 20th Weather Squadron, Captain Garcia led his unit to a 97.4 percent "Excellent" score on a no-notice MAC Maintenance Standardization and Evaluation Team visit and a perfect no-major-finding IG inspection. Captain Garcia has also been selected as Air Weather Service's nominee to MAC for the Communications-Electronics Professional Achievement Award.

## Hurlburt Field, Fla.

MSgt. Edward N. Tidwell, chief observer of Detachment 75, 5th Weather Wing, here, recently graduated from Florida State University under the Bootstrap program. His major was history, with a double minor in geography and in social-science education.

## King Salmon, AFS, Alaska

Sgt. Dennis J. Roth, OL-I, 11th Weather Squadron, was selected as Outstanding Airman of the Month of December for King Salmon. His selection was based on over-all knowledge of general Air Force subjects and current events. He was selected by his unit for his excellent attitude and outstanding job knowledge and performance. Sergeant Roth is the first weather observer at this site to be selected for the award.

## Ramstein AB, Germany

Maj. Billy L. Moore, current operations officer, 31st Weather Squadron, here, recently graduated from the Program for Management Development, Harvard Graduate School of Business Administration, Harvard University, Cambridge, Mass. Five Air Force officers attended the 14-week school, which had 146 students. Major Moore was the only AWS officer selected.

## Yokota AB, Japan

TSgt. Thomas D. Higgins was named Detachment 52, 20th Weather Squadron, NCO of the Year for 1971 at a ceremony held here recently. At the same time, Sgt. Donald C. Mathews was named the detachment's Outstanding NCO of the last Quarter of 1971. Both sergeants received engraved pewter mugs.

## Kadena AB, Okinawa

Sgt. Kenneth R. Chapman, administrative specialist, Detachment 8, 20th Weather Squadron, here, was selected as the Detachment's First Termmer of the fourth Quarter of 1971.



NATURAL TALENT with an air brush is the forte of TSgt. Robert L. Slade, an illustrator technician with the 7th Weather Wing Graphics Section, Scott AFB, Ill. Here Sergeant Slade demonstrates what an air brush can do, as he copies from a small magazine illustration. Sergeant Slade enlisted in the Air Force in 1958 and served until

1965 as a security policeman. He became a full-time illustrator in 1965 and last year designed the AWS symbol of a St. Bernard dog with barrel attached. Sergeant Slade has never been to art school and says he was inspired by artist Alberto Vargas of Playboy fame. Sergeant Slade is from Detroit, Mich. (US Air Force Photo)

# Refereeing is no easy job

By Paul Smith

FORT BRAGG, N. C. — Besides the Maytag repairmen, the loneliest people in town are the referees who call a basketball game. One of these men, who only get attention when something goes wrong, is TSgt. Gary R. Smith, who has been traveling up and down courts as a basketball ref for eight years. He jokingly comments that he would hate to think how many miles he has logged in running up and down the 90-foot court.

Gary, who is assigned to Detachment 3, 16th Weather Squadron and works as a weather forecaster at Ft. Bragg, is a member of the Dixie Officials Association of Fayetteville. This association handles nearly all the local games in North Carolina.

Besides Pope intramural basketball games, Sergeant Smith handles junior high leagues, Fayetteville industrial leagues and church leagues. By his own admission, Gary figures he officiates an average of 75 to 100 games a season. He also dabbles as an official in softball and Pope intramural football games.

"I guess I became a referee because I used to play a lot of basketball in high school and thought the refs were making a lot of bad calls. I began reading the rule book, which is divided into 10 categories, and discovered they were right and I was wrong."

He said it probably takes longer to become a good referee than it does to become a good player. "I think 75 per cent of refereeing is watching, and making sure you make a good call." He said the crowd reaction doesn't affect him anymore.

"Basketball is such a spectator-oriented sport, and the people who are always complaining can go down to the association and become an official if they are that good."

Besides his role as a referee, Gary has played on the Pope AFB

softball team for the past two years. He played as a first baseman, an outfielder and worked as a relief pitcher.

To become a referee, one must pass a test given by the associa-



TSgt. Gary R. Smith

tion on the basketball rule book and then be evaluated on court performance. "Whenever I go to a game now as a spectator, I try to watch the men working and try to see how they call a game," he said, "I don't normally try to run down another official, because we are all in the same boat more or less."

The man who is a referee has to be in shape, especially to cover the Pope intramural games. The two men who call the games must ref three games per night, which normally begin at 6, 7 and 8 p.m. in the base gym. Sergeant Smith said he just liked the game, and after he found he couldn't stay with the younger

men on the court he still wanted to be a participant. "So," he said, "the best way for me is to be an official."

Gary has also picked up experience playing for base intramural teams while stationed at Tinker AFB, Okla., Scott AFB and Chanute AFB in Ill., Camp Santa Barbara in Korea, Volk Field, Wis., Altus AFB, Okla., and Da Nang, Vietnam. He is a veteran of 12 years of active duty.

## 2d Wing picks outstanding weathermen

WIESBADEN AB, Germany—An officer and four airmen were recently selected as 2d Weather Wing's outstanding observers and forecasters for special categories.

Selected as Outstanding Forecaster for a Centralized Forecasting Facility was Lt. Col. Billie G. Aldridge of the European Weather Central, RAF Croughton, England. Colonel Aldridge, the central's chief forecaster, has made extensive application of sophisticated computer techniques to weather forecasting.

Outstanding Forecaster at a Base Weather Station was TSgt. Arthur O. Johnson, Detachment 1, 31st Weather Squadron, Bitburg AB, Germany. Sergeant Johnson has been commended repeatedly for outstanding weather support to tactical forces at Bitburg AB and while on exercises. His selection places him in contention for the AWS Pierce Award, a Commanders Award.

MSgt. Charles Ronan, a forecaster assigned to the Wing's Aerospace Sciences Division at Wiesbaden, was selected as Outstanding Climatologist for his work in Rare-Event Climatology. Sergeant Ronan, a veteran of 17 years, will be competing for the AWS Zimmerman Award, another Commanders Award.

Selected as 2d Wing's Outstanding Weather Observer Supervisor was MSgt. Ben H. Carroll of Detachment 36, 31st Weather Squadron, RAF Alconbury, England. Sergeant Carroll was cited for establishing many procedures for better use of equipment, facilities and personnel.

TSgt. John E. Steffen of Detachment 4, 31st Weather Squadron, RAF Bentwaters, England, was named Outstanding Observer at an Airfield Observation Site. Sergeant Steffen, along with the others, will be competing with forecasters and observers from Air Force and Army support units stationed throughout the world for Air Weather Service awards.

## Accident-free

HQ AWS — Three members of the 55th Weather Reconnaissance Squadron were recently lauded by Military Airlift Command officials for attaining 10,000 hours of accident-free flying time. Honored were Maj. Richard J. Cullen, CWO John W. Carney and MSgt. Olin C. Trent.

## SPORTS



### First-Place Team

McCLELLAN AFB, Calif. — The 9th Weather Reconnaissance Wing bowling team is rolling along in high gear at the moment. Captained by Rich Chapple with a 180 average and anchored by Daryl Zimick with a 182 average, the well-balanced team currently holds first place in the McClellan AFB Intramural bowling league. With a 60-12 won-lost record, they are 16 games ahead of the second-place team. Other members and their averages are Bob Cote 189, Dick Cluever 172, Ron Edwards 178, Eugene Rockafellow 155 and Charles Conover 167.

### The Vultures

SEOUL, Korea — The Vultures of Detachment 18, 20th Weather Squadron, bowling team, set two league records January 19 while continuing their winning season. They established the league's high team game 1,028 pins, and the high team series with a 2,942. Individual scores were Eduardo Hidrogo 597 series, 234 high game, Donald Sowalskie 583 — 220, David Jaynes 505 — 182, Eugene Thompson 551 — 201, and Raymond Erland 550 — 210. The Vultures have won 59 games while losing 21 and are currently nine games ahead of the second-place team.

### Top Shooter

FORT LEE AFS, Va. — Kenneth R. Chesson, weather observer with Detachment 41, 4th Weather Wing, is the star forward on the 20th Air Division basketball team. The team defeated 15 Fort Lee Army teams in the American league during the normal intramural season and then defeated the winner of the National league for the Fort Lee post championship. Chesson normally tallies 26 to 32 points a game, mixing outside jumpers with driving layups and rebound shots. The 20th Air Division team also defeated all comers in the 20th NOARD Region and will play in the Aerospace Defense Command tournament later in February.

### Gold Pride

YOKOTA AB, Japan — Sgt. Michael P. Brown, an observer with Detachment 17, 20th Weather Squadron, here recently received a MAC Gold Pride Award for his interest in sports. Sergeant Brown was cited for his outstanding enthusiasm in establishing an active intramural six-sport program while assigned to Detachment 34, 26th Weather Squadron, Dyess AFB, Tex. His efforts brought improved esprit de corps and physical conditioning to participants within his unit.

### Winstead Trophy

McCLELLAN AFB, Calif. — The prestigious Winstead Trophy was awarded to the 55th Weather Reconnaissance Squadron during ceremonies in the base commander's office here recently.

The trophy is awarded annually to the squadron which is most active in base sporting events. Points are awarded for entry in organized events and playing in tournaments. The 55th received the trophy on the basis of 143½ points to 98 for the runner-up for small squadrons.

Capt. Leonard B. Winstead, for whom the trophy is named, had been assigned to McClellan slightly more than two years. During this time he devoted his free time to planning an over-all base athletic program that would reach every man in the squadron. This year's award had special importance, as Captain Winstead, who died in a WB-29 crash, was a member of the 55th.

The 55th garnered the majority of its points through the minor sports category. This category is primarily involved with individual sports events such as skeet, handball, badminton, squash, pingpong, paddleball, pool, tennis, swimming and snow skiing.

The 55th was also active in the major sports category, entering teams in basketball, volleyball, bowling, softball, golf and flag football.

Col. Wilson V. Palmore, 55th commander, accepted the trophy for the squadron.

### Golf Champs

HURLBURT FIELD, FLA. — Detachment 75, 5th Weather Squadron's golf team, combined with the 2068th Communications Squadron to take first place in the Hurlburt Field winter golf league. Weather members were Santos Pantoja, Juan Longoria, Charles Spears and Edward Tidwell. The weathermen also took second-place honors in the base championship tournament.

### Medal Winner

HOWARD AFB, Canal Zone — Maj. Peter J. Britos, Detachment 5, 5th Weather Wing, chief forecaster, recently received a Gold and Bronze Medal for excellence in competition for high-powered rifle. Major Britos was top man in the Canal Zone tournament. He previously won a Silver medal in 1962.



FATHER AND SON — Lt. Col. Frank W. Croft (ret.), left, looks over a flight plan with his son, 1st Lt. Frank C. Croft, center, and Maj. Jay Plymale, both of the 54th Weather Reconnaissance Squadron (Typhoon Chasers), Andersen AFB, Guam. In 1952 Major Plymale (then a corporal) was a clerk typist for the elder Croft, who was a first lieutenant jet fighter pilot. Twenty years later, Major Plymale flies as a WC-130 navigator with the younger Croft as copilot. The reunion took place when Colonel Croft visited his son at Andersen AFB.