

# AWS supports forces of NATO and USAF in Deep Furrow '68

LANGLEY AFB, Va.,—Alexander the Great's eyes would have bugged out if he could have seen the military might on display in his native Greece. The man who "conquered the world" would have been soundly defeated had he encountered the forces involved in last summer's Operation Deep Furrow '68.

In mid-August, aircraft and personnel from STRIKE command and United States Air Forces in Europe (USAFE) combined with Turkish and Greek national troops to participate in the joint NATO exercise. As usual, units of Air Weather Service played an important support role in the operation.

The Tactical Air Command (TAC) Forecast Center, manned by Detachment 2, 5th Weather Wing, Langley AFB, Va., provided weather support for fighter aircraft from Air National Guard units from Ohio, Virginia and New Jersey, in their deployment across the Atlantic. Det. 11, 21st Weather Squadron, Torrejon AB, Spain, supplied route forecasts for redeployment of the fighters to the U.S.

A mission planning forecast was issued for each unit 24 hours before take-off. These mission forecasts covered launch, recovery and alternate bases, but concentrated on weather in the refueling areas. Refueling was carried out by KC-135 tankers

from Strategic Air Command.

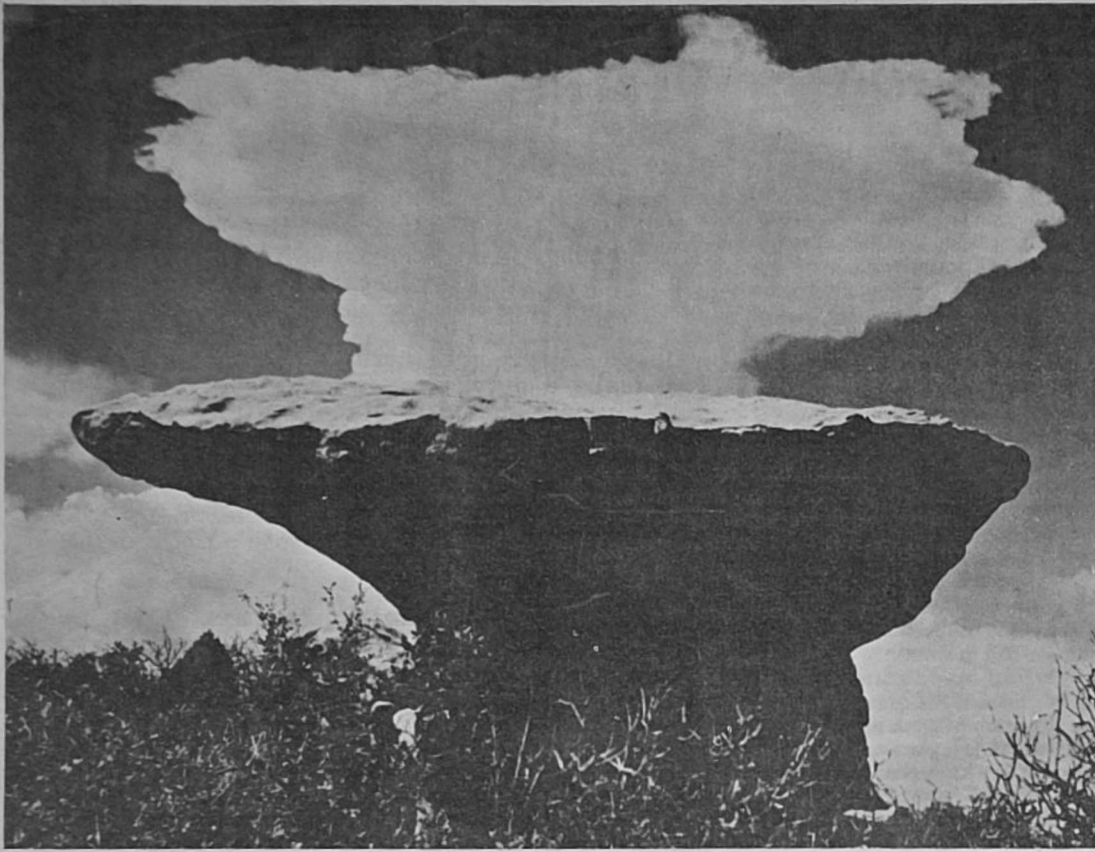
Wind and wind factor forecasts were Electronic Data Processing System (EDPS) forecasts prepared by the Global Weather Central at Offutt AFB, Nebr. The EDPS forecasts were tailored to each mission and relayed to the TAC Forecast Center and the Torrejon weather station for their use.

The forecast center also supplied continuous met watch and weather support for the TAC airborne command post control team. Maj. Fred R. Nikithser, weather officer, flew on the airborne command post on the deployment and Capt. Harold W. Bernard flew on the redeployment to make weather data and advice available to the TAC control team.

Weather recon got into the act with several WB-47 aircraft from the 53rd and 55th Weather Reconnaissance Squadrons. Searching the tracks over the Atlantic, the flying weathermen reported conditions to the forecasting agencies.

## Bronze Star

Lt. Col. Harold H. Brownfield, Hq. Air Weather Service, has received the Bronze Star for meritorious service as staff weather officer, Hq. II Field Force, Vietnam, from Jan. 23, 1967 to Jan. 14, 1968.



ASK ANY PILOT who's ever blundered into the anvil head of a towering "cu"—he'll confirm that the center is "hard as a rock." To our own knowledge, though, no one has ever actually seen the core of one—and come back to tell about

it—until now. An enterprising photographer of our acquaintance discovered and pictured one in New Mexico just after it had broken through and managed to snap this amazing picture before the parent cloud drifted away.



Weather Component of USAF's Military Airlift Command

Vol. 15, No. 10      Headquarters, Air Weather Service, Scott AFB, Illinois      October 1968

## Eielson detachment assists St. Nick with Xmas mail for fourteenth year

He flies one mission a year. Only one, but Santa Claus is the most popular aviator in the world, outdoing even "Lucky Lindy."

For the 14th consecutive Christmas, AWS is supporting jolly old Saint Nick. Besides receiving mission forecasts for his flight, Santa will get a little help with his mailing list from Detachment 5, 9th Weather Reconnaissance Wing.

Det. 5 is stationed at Eielson AFB, Alaska, just a few miles from a U.S. post office designated "Santa Claus House, North Pole, Alaska." Fourteen years ago, members of the unit thought it would be a good idea if they helped Santa—and Parents—out by mailing letters to children from Santa Claus House in their off-duty time.

Since that time almost 93,000 letters have been mailed by the cold-country unit. This year, they should pass the 100,000 mark.

Sound interesting? If you haven't done it before, here is how you can get a letter mailed to your child by Santa Claus. Write a letter to your child, signing it Santa Claus. Address

the letter to your youngster and affix the proper return air-mail postage from Alaska.

Place the letter or letters in a larger envelope and address it to Santa's Mail Bag care of Detachment 5, 9th Weather Reconnaissance Wing, APO Seattle 98737. Add proper air mail postage and drop it in a mail box. When the volunteer AWS mailmen get your letter, they will remain the Santa letter from Santa Claus House.

A few days later, your child will receive his letter from Santa Claus, complete with authentic

## 25 year service lauded by ESSA

GRIFFISS AFB, N.Y. — Detachment 6, 15th Weather Squadron, has been awarded a certificate of recognition by the U.S. Department of Commerce's Environmental Science Services Administration (ESSA).

The institutional award was presented to Det. 6 in appreciation of 25 years of weather observation in cooperation with the U.S. Weather Bureau.

## postmark.

A deadline of December 15 has been set for mailing letters to Santa's Mail Bag, to permit receipt of the remailed letters by Christmas Day.

(See instructions, p. 6)

## Wing commanders gather at Hq. for annual conference

Hq. AWS— A two-day Air Weather Service Commander's Conference was held at Scott AFB, Ill., October 7 and 8.

Wing commanders were briefed by Brig. Gen. Russell K. Pierce Jr., AWS commander and his staff, while Col. Lowell A. Stiles, 1st Weather Wing commander, presented a Southeast Asia briefing.

Commander's on hand for the conference were Colonels Lowell A. Stiles, 1st Wea. Wg.; Thomas J. Arbogast, 2nd Wea. Wg.; Robert L. Sorey, 3rd Wea. Wg.; Paul E. McAnally, 4th Wea. Wg.; George E. Rath, 5th Wea. Wg.; Arnold R. Hull, 6th Wea. Wg.; Douglas C. Purdy, 7th Wea. Wg.; and Felix G. Brenner, 9th Wea. Recon. Wg.



GIVING THE WORD, Capt. Harold W. Bernard debriefs the weather over the Atlantic Ocean at the completion of his mission in support of Operation Deep Furrow '68. Captain Bernard, a weather officer on the C-135 Tactical Air Command airborne command post, explains the conditions encountered to Lt. Col. Hugh B. Anderson, commander, Detachment 2, 5th Weather Wing, and Maj. Stuart D. Bremmer, OIC of the Langley base weather station. (Air Force photo)

## 31st Wea. Sq. commander



COL  
**LLOYD C. HUGHES**  
COMMANDER  
31st WEATHER SQUADRON  
RAMSTEIN AB, GERMANY

ENTERED MILITARY SERVICE  
FEB. 1943  
BEGAN WEATHER CAREER  
IN AUG. 1946.

SERVED AS STAFF WEA.  
OFFICER, SECRETARY  
OF THE AIR FORCE,  
OFFICE OF SPACE SYSTEMS  
PRIOR TO CURRENT ASSIGNMENT.

THOMAS M. BOLKOVAC  
AWBER

"Hmmm! I WONDER  
HOW KANGAROO  
STEAK  
WOULD TASTE"

HAS FLOWN 57 COMBAT MISSIONS  
TOTAL 454 COMBAT HOURS.

ATTENDED DRAKE UNIVERSITY AND  
IOWA STATE UNIVERSITY.

PARTICIPATED IN BISMARCK  
ARCHIPELAGO, NEW GUINEA, SOUTHERN  
PHILIPPINES, LUZON & CHINA CAMPAIGNS.

INTERESTS: TRAVEL & FINE FOOD.

## General Pierce presents Zimmerman Award

ENT AFB, Colo.— In informal ceremonies at the 4th Weather Wing headquarters, here, Joe Restivo was presented the coveted Air Weather Service Zimmerman Award by Brig. Gen. Russell K. Pierce Jr., AWS commander. This was the first time the award has ever been presented to a civilian.

The award is presented to the individual "who demonstrated

the best application of climatology during the year." Restivo was selected for his "skill and ingenuity" in developing a new climatological summary, "The Onset-Duration Tables."

Assigned as Chief, Scientific Services Branch of the Aerospace Sciences Division, 4th WW, Restivo has over 21 years as a U. S. Air Force civilian meteorologist.

## Japanese hear 56th's Morgan

YOKOTA AB, Japan—Lt. Col. Whitney L. Morgan, commander, 56th Weather Reconnaissance Squadron, here, recently addressed a meeting of the Hachioji Rotary Club, of Hachioji, Japan.

The meeting began with a Japanese-style luncheon, followed by the colonel's speech. He was introduced to the 70 members present by Rotary Club vice president, Tatsujiro Tsutsumi.

Aided by a slide presentation, the colonel spoke about the RB-57F and WC-135B aircraft used by 56th pilots and the computerized data collection system the squadron maintains.

During his lecture Colonel Morgan said, "Communications between clubs such as yours and the various agencies of our two countries have served to weld the strong friendship which exists between Japan and the United States."

He also told club members, "the 56th provides specialized meteorological reconnaissance in support of the worldwide meteorological network. Weather data we collect is made immediately available to other agencies in the world, including Japanese weather agencies."

After the briefing, Rotary Club members presented the colonel a scroll of appreciation.

## Bronze Star

Lt. Col. Harold E. Headlee, assistant staff weather officer for 21st Air Force, has been awarded the Bronze Star for meritorious service while assigned to Detachment 14, 1st Weather Group, Vietnam, from June 13, 1967 to May 20, 1968.

# VOTE?

X YES

It is your duty, they tell you. Everything you hear or read tells you the same thing. Why did the embattled farmers allow themselves to become embattled? To give you a chance to vote.

Do you forget your heritage when you don't vote? Is it really a duty, as many people say? No, not a duty, just a right. A right that half the people in the world don't have and wouldn't know what to do with if they did have it.

Why should that affect you? It's ridiculous to think that not voting will cause us to lose our freedoms. . . isn't it? Perhaps.

We read a story about a frog recently that might be applicable here. If you take a frog and throw him into boiling water, he won't be hurt, because the heat will make him jump out in a hurry. If, however, you put the frog in cool water and slowly heat it, by the time he decides to jump, it's too late.

This doesn't mean that people aren't smarter than frogs. Nor does it mean that someone is slowly heating the water around us, encroaching on our freedoms. But why give it a chance to happen?

Vote this year. Not because it's a duty. Because it's a right.

## What's your opinion?

This is a good year for discussions and arguments. It's a political year and politics have always been one subject on which people are quick to expound.

Undoubtedly you have opinions on this and many other related questions. Some of your opinions will be more strongly felt than others and, if expressed well, may even swing some people over to your way of thinking.

During the course of your political discussions, give some thought to sharing your views with others. Not by installing your soapbox on the nearest available corner, but through the medium of the 1968 Freedoms Foundation program.

The topic for this year's Letters Award Program is "A Free Ballot - A Free Country" - one that is right down your alley to talk about as a concerned, active citizen.

Your letter doesn't have to be a literary masterpiece - they're judged on sincerity and understanding of the American way of life - nor does it have to be voluminous, 500 words is the maximum.

The Freedoms Foundation Letter Awards program is your way to share your opinions and your beliefs in the American way of life with millions of other Americans. Stand up and speak up for America with your entry by Nov. 1.

Your letters should be sent to Freedoms Foundation, Valley Forge, Pa., 19481. You can also obtain additional information on the program by writing to the same address.

This is your chance to be heard - make use of it. (AFPS).



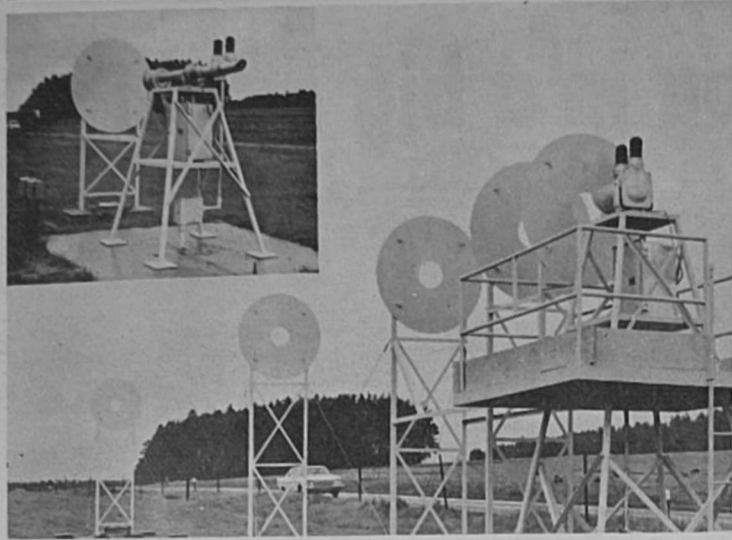
The Air Weather Service OBSERVER is an official Class 4 Air Force newspaper published monthly by and for personnel of the worldwide Air Weather Service of the Military Airlift Command under the supervision of the Directorate of Information, Headquarters, Air Weather Service, Scott AFB, Ill., 62225. Opinions 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 and 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.

**BRIG. GEN. RUSSELL K. PIERCE, JR.**  
Commander, Air Weather Service  
**CAPT. TERENCE MAYER**, Director of Information  
**LT. RAY A. CROCKETT**, Managing Editor  
**SSGT. GENE GOLDSMITH**, Editor



I'll send for my absentee ballot now. Then, when they lower the voting age . . .



LOCATED ADJACENT to a public highway is Detachment 7, 7th Weather Squadron's visibility measuring device, which caused some motorists to drive into ditches on the side of the road. . . The detachment installed baffle plates on the visibility device to cut down the amount of light aimed at the highway. This enabled motorists to have a clear view of the road ahead.

## Mission: the weather from Tampa to Taipei

MACDILL AFB, Fla.—"Cold air sweeping off the European continent and flowing over the Northern Sahara is combining with the intertropical convection zone near the equator."

The weather officer was giving his daily morning report to members of the staff assembled in the headquarters building.

He continued, "The result is causing widespread shower activity, minor flooding along river valleys, and strong surface winds throughout all of mid-Africa. The accompanying poor visibility and low ceilings will affect the flight planning of all aircraft operating in the area."

To persons not too familiar with U.S. STRIKE Command, the obvious question is why should atmospheric and weather conditions in Africa occupy such a prominent spot in the morning weather briefing.

To begin, the 1st Weather Squadron — located with STRIKE headquarters at MacDill AFB, Fla., has a much larger and more complex mission than just providing local weather information to the commanding general. Admittedly, local weather information, which is provided by the base weather station, is vital in determining whether to evacuate aircraft, personnel, and equipment to a safe haven, or leave them where they are to ride out a tropical storm or hurricane, but weather conditions in the Middle East, Africa south of the Sahara and southern Asia (MEAFSA) are equally of value.

Also of great concern to weathermen under the command of Col. David M. Sweeney, 1st WS commander, are the weather conditions world-wide that may affect STRIKE operations, exercises and contingencies.

In fulfilling this mission, the 1st WS can use a variety or combination of systems such as weather satellites, telecommunications, and radio weather communications, and do it fast.

The basic system used by 1st Weather in gathering weather data in the MEAFSA area is a number-coded telecommunication system. Each country in MEAFSA has a locally operated weather station which feeds its weather data into a centralized point in Spain. There, the

weather information is put into number codes and transmitted continuously through the Atlantic cable (at 100 words a minute, soon to be 375 a minute) to a teletype receiving unit at 1st Weather's Offices.

Another system used is the satellite weather picture, whereby, over a period of time, a signal (picture) is transmitted from an orbiting satellite to 1st Weather's receiving station on the ground. Weather people take the picture, which contains identifying land marks, and "match it" to a transparent grid map.

The 1st WS interlocks this service with the routine things that other meteorologists do, like gathering weather data from nine different telecommunication circuits and preparing daily analyses, forecasts, and briefings. But they take the data one step further than most and maintain a current file of climatic weather summaries for every country and major city in the world.



HURRICANE PLOT—TSgt. Fred Dusold, weather communications NCO, points out the position of a tropical storm brewing in the Atlantic to SSgt. Arthur Allan, satellite tracking operator, who plots it on a grid map. The tropical storm pictures were taken by a weather satellite and transmitted to Air Weather Service's 1st Weather Squadron, MacDill AFB, Fla.

## Detachment douses light, helps safety

GRAFENWOEHR ARMY AIRFIELD, Germany — Weathermen assigned to Detachment 7, 7th Weather Squadron recently solved a problem which bothered civilian motorists and military personnel alike. It seems that the detachment's visibility measuring device had been blinding motorists on a nearby highway and causing accidents.

The problem first began shortly after the detachment installed their visibility device, which consists of a light transmitter and receiver, near a public highway adjacent to the base.

Motorists first claimed that the light from the device blinded them and caused them to drive into ditches along the road at night. Others claimed that they were becoming dis-oriented, thinking that another vehicle was approaching.

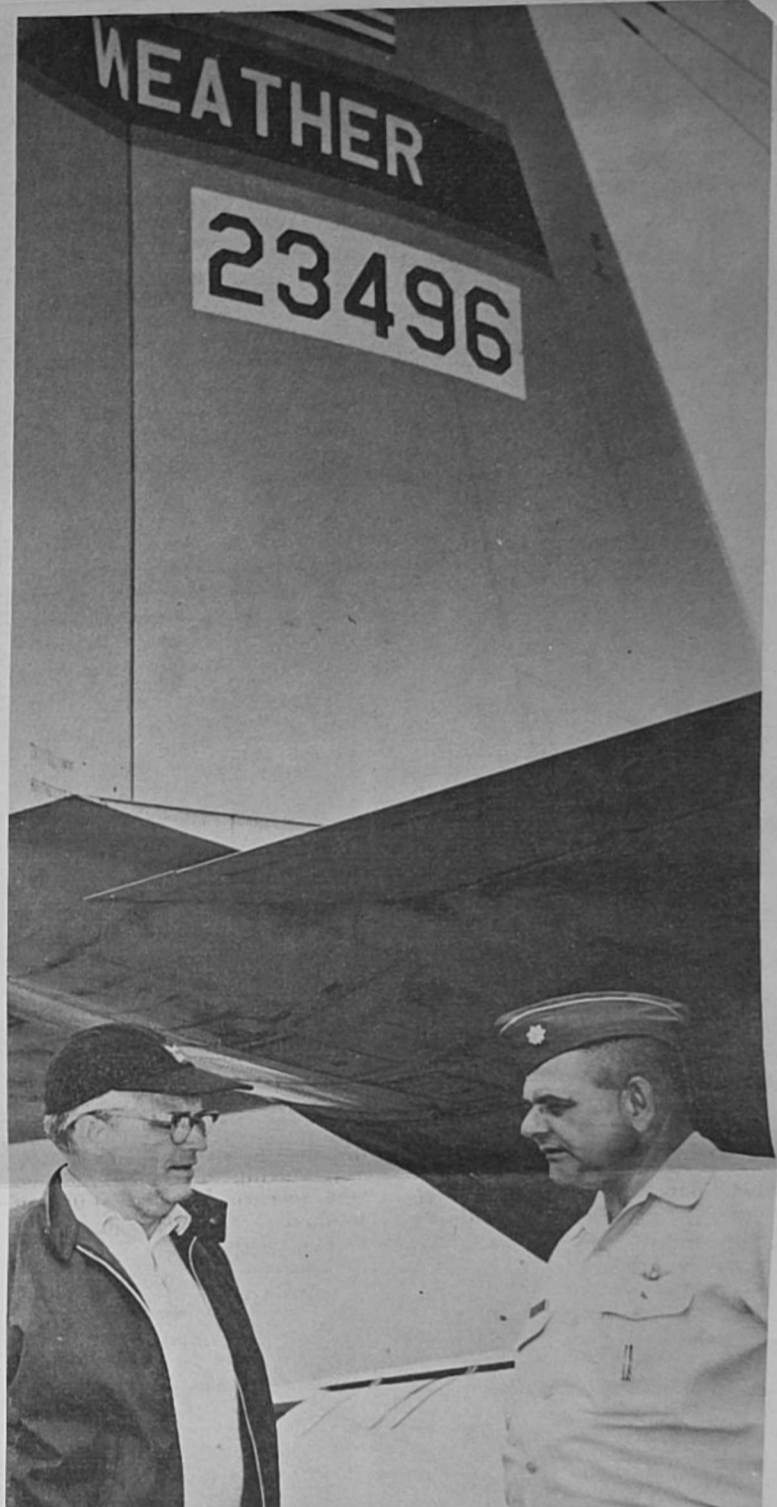
The detachment solved the problem by turning the visibility device off at night until something better could be done.

A solution was finally discovered to solve the problem. A set of baffle plates which effectively funnels the visibility device's light beam into a receiving unit was installed. These baffle plates subsequently cut down the amount of light onto the adjacent highway.

As a result, pilots are still able to receive accurate visibility readings at night, and civilian motorists will not be able to blame that "strange light" if they should end up in a ditch again.

### Bronze Star

MSgt. Alex C. Colunga, Hq. Air Weather Service, has been awarded the Bronze Star for meritorious service as a member of an intelligence collection team, Detachment 6, 6499th Special Activities Group, Vietnam from Jan. 20, 1967 to Jan. 13, 1968.



THE FIRST CIVILIAN AUTHOR to fly with both the Hurricane Hunters and the Typhoon Chasers, Hugh G. Swofford chats with Lt. Col. Arthur D. Weaver, 54th Weather Reconnaissance Squadron commander beneath the tail assembly of the same aircraft in which Swofford flew into Hurricane Inez in 1965. Swofford is touring the Pacific to gather material for a book on winds of the world.

## Civilian author visits 54th as part of research for book

ANDERSEN AFB, Guam—Hugh G. Swofford recently became first civilian to fly with AWS's 53rd Weather Reconnaissance Squadron Hurricane Hunters and the 54th WRS Typhoon Chasers in actual storms. An author by profession, Swofford is touring the Pacific to collect material for a book he is writing on winds of the world.

Swofford's book will deal with the winds of the world and their impact on people's lives and how some winds have actually changed the course of history. He also has a commitment to Readers' Digest for an article on "typhoons and the effect of typhoon reconnaissance on the Japanese."

Swofford claims to like the

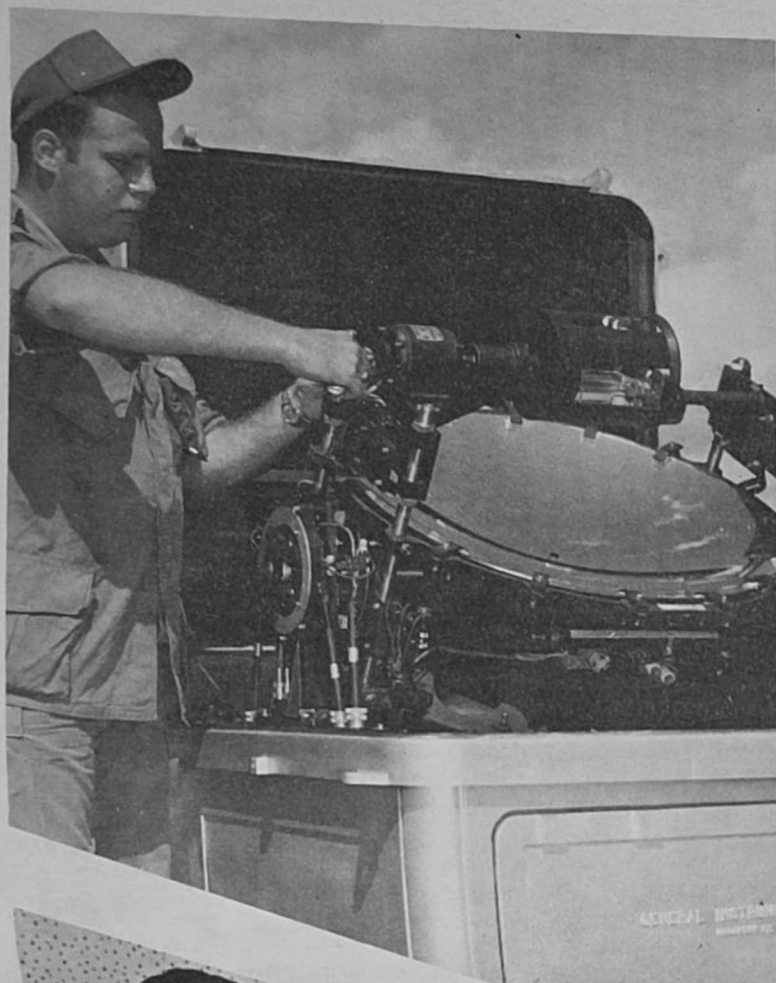
WC-130 and hopes to fly a typhoon mission. He also noted, as a point of coincidence, that the WC-130 he arrived in is the identical aircraft he flew in two years ago during Hurricane Inez. The aircraft in question is assigned to the 53rd WRS, Ramey AFB, Puerto Rico, and will be attached to the 54th for a brief period.

From Guam, he will travel to Japan to gather further data for his Readers' Digest article.

The OBSERVER regretfully announces the death of SSgt. Thomas L. Gourd, Det. 2, 3rd Weather Wing, Offutt AFB, Nebr.

Sergeant Gourd died of a heart attack.

# Bien Hoa's "king pin" is a big cog in a big machine



**BIEN HOA AB, Vietnam** — Twenty-four hours a day someone at Bien Hoa Air Base simply looks out the window. What's more, he gets paid for it.

He's the fellow in the observation tower directly in back of Bien Hoa's main tower, one of nearly two dozen men assigned to Detachment 3, 30th Weather Squadron and—as his fellow workers call him—the "king pin" of the entire operation.

His job is to start the wheels turning on weather reporting and forecasting at Bien Hoa. His observations provide both the initial information and the continuing confirmation of the weather picture in and around the local area.

His eyes are many. Elaborate equipment designed to feed the observer nearly every type of useful information is located in the area of the runway, supplementing the sensing tools available to him in the observation tower.

He uses this equipment to draw a complete weather picture once an hour or more frequently as the situation demands. This information is sent to the base weather station where it is combined with other input data available and then disseminated to base personnel.

"A second observer located inside the main weather station is responsible for these other inputs," said Capt. Robert R.

Vocelka, chief forecaster. "He monitors teletype machines that tell us the weather conditions at other bases, and a facsimile machine which paints beautiful pictures of the weather conditions throughout Southeast Asia and the western Pacific area."

Collecting weather information is half the story. The rest is handing it out.

Forecasters, equipped with all the inputs of the observers in addition to a radar set that gives them a visual picture of what's happening "up there," make it their job to have the right answers at the right time.

Their most important task is to make sure all of Bien Hoa's aircrews receive timely and

accurate weather briefings for whatever missions they will be flying, at whatever time they will be flying them.

Every pilot flying a combat strike mission gets a personal weather briefing.

Detailed briefings are given daily to top commanders at Bien Hoa and to all Spooky aircrews (Flight C, 3rd Air Commando Squadron). Special weather boards are prepared and maintained for 3rd Tactical Fighter Wing alert pilots and Ranchhand crews (12th Air Commando Squadron).

Because Bien Hoa's operation is a 24-hour business, weather observers and forecasters—along with the maintenance and administrative personnel needed to support them—are on duty around the clock.

"Though we are manned to handle the steady flow of weather information to Bien Hoa personnel," said Capt. Richard J. Morgan, detachment commander, "the actual use of our services runs from extremely heavy in

SLINGING THE PSYCHROMETER from outside the weather observation tower overlooking Bien Hoa's flight line, A1C Alisdair Keegan, Detachment 3, 30th Weather Squadron, gets the present temperature and humidity reading.

the mornings and in times of bad weather, to extremely light late in the evening."

"You might say, when it rains, it pours."



**PUTTING IN THE FIX**, (top) on a rotating beam ceilometer, Sgt. Virgil D. Van Hoose head of maintenance for Detachment 3, 30th Weather Squadron, Bien Hoa AB, Vietnam is responsible for the constant care and up-keep of the numerous measuring devices used by the detachment. The rotating beam ceilometer is an elaborate device that measures the distance from the ground to the base of cloud formations in the area. Chattering from the teletype (bottom), to be combined with data from Bien Hoa's weather observation tower, is input data received from other bases. Capt. Robert R. Vocelka (left) examines incoming weather information as Sgt. Robert L. Albert prepares to send out data collected at Bien Hoa.



**BIEN HOA'S ANSWER MAN**, TSgt. Gerald D. Koestler surveys data available in an attempt to answer a query concerning the weather picture for a specific target area. Chief Forecaster, Capt. Robert R. Vocelka helps by relaying information from the weather radar set (background). Both men are assigned to Detachment 3, 30th Weather Squadron.

# AWS majors exchange old gold for new silver

Hq. AWS—Some 72 Air Weather Service officers were recently selected for promotion to the temporary grade of lieutenant colonel by the fiscal year 1969 central selection board.

Selected officers will be promoted in increments. The effective date of promotion and the number to be promoted by increment will be announced on a monthly basis.

Of the 72 officers selected for promotion, 70 came from the primary zone while the other two were in the secondary zone. There were 83 AWS majors eligible for the first time in the primary zone with 67 getting promoted. Three other weather officers won silver leaves in the primary zone but were facing the board for the second time around.

AWS promoted 56.5 per cent of all its eligible officers to lieutenant colonel in the primary zone. This is 14 percentage points better than the Air Force average for the same promotion cycle. In the secondary zone AWS promoted 2.1 per cent of its eligibles compared to the Air Force's 20.2 per cent.

Those promoted to lieutenant colonel include:

**Hq. Air Weather Service**  
James Blankenship, Patrick Breitting, Armand J. Desmarais, William M. Dinkins, Duane R. Goodman, Albert J. Kaehn Jr., Clifford D. Kern, Alfred C. Molla, Charles H. Moss, John S. Perry, Gary D. Stephenson, Edward V. Tiernan, Ramon C. Wilkens and Joseph H. Wise Jr.

**1st Weather Wing**  
Walter R. Brett, John J. Camp-

bell, Daniel J. Cotter, Robert A. Giron, John Hansen, Donald A. Krider, Guenther E. Luckenbach, Castor Mendezvigo, John J. Moran, William D. Roper and Glenn B. Rumley Jr.

**2nd Weather Wing**  
George S. Akers, Billie G. Aldridge, Wilson J. Boaz, Robert C. Erickson, Robert E. Guthland, William R. Healy, Joseph P. Hebert Jr. and Robert C. Sabin.

**3rd Weather Wing**  
Donald E. Bandow, Keith M. Burrows, Thomas F. Connolly, Charles Frederiksen, Alphonse Gargiulo, Robert M. Gottuso, Vaughan W. Hall, Hugh M. O'Neil, Joyce E. Somers, James R. Stephenson, John B. Walls, Arthur D. Ward, Richard K. Wilson and Willys D. Wuest.

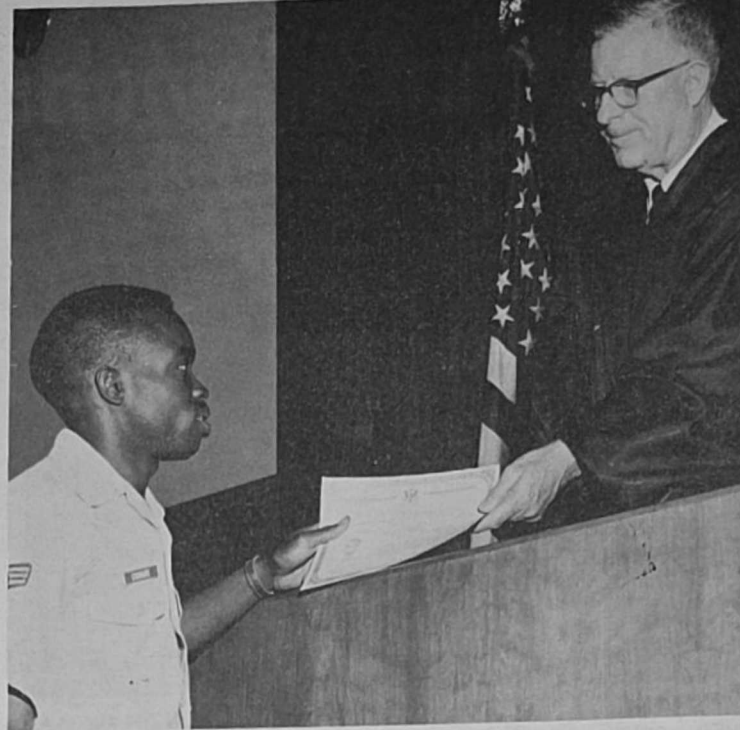
**4th Weather Wing**  
Lawrence Hansrote and Joseph K. Lambert.

**5th Weather Wing**  
Robert Chamberlain, Victor Passiglia Jr., Grady D. Strippling and Francis S. Turco.

**6th Weather Wing**  
Ernest V. Cooke Jr., William P. Cramer, Albert E. DeVitt Jr., John Kinney Jr., Douglas MacCallum, Robert G. Mathers and Leon R. Tucker.

**7th Weather Wing**  
Norman J. Clark and Nolan P. Williams.

**9th Weather Reconnaissance Wing**  
Robert J. Barnhill, John C. Brown Jr., Robert W. Fett, William H. Hatfield, Richard C. Lutz, Richard A. Oldham, Paul F. Pulse II, Leo B. Rice, Franklin A. Ross and Richard Williamson.



RECEIVING HIS CITIZENSHIP certificate from U.S. District Judge Sherrill Halbert, is Sgt. L. Stewart, Hq. 9th Weather Reconnaissance Wing, McClellan AFB, Calif. The sergeant was one of 50 aliens who took the oath of allegiance during a 15-minute ceremony at the U.S. District Courthouse in Sacramento, Calif. Sergeant Stewart is a former citizen of Panama.

## Aviano detachment is first to get FPS-77 in Europe

Hq. AWS—The new look in weather radar has made its initial appearance in Europe with the installation and take over of Air Weather Service's AN/FPS-77 radar set at Aviano AB, Italy. The set is being operated by Detachment 19, 31st Weather Squadron.

The new set is one of approximately 80 weather radars currently in use by AWS units around the world. With a radius of 200 nautical miles, the FPS-77

will provide valuable information to weather forecasters regarding thunderstorm activity.

Plans call for other FPS-77 radar sets to be installed at Alconbury AB, England; Torrejon AB, Spain and Hahn AB, Germany. Previously the only AWS unit in Europe possessing a weather radar set was Det. 14, 31st Wea. Sq., at Hahn.

The FPS-77 will provide a more discriminating return on local weather disturbances

## Is weather officer new old master?

TRAVIS AFB, Calif.—First Lieutenant Felixberto David has probably never had any of his art pieces compared against those of the old masters, like Rembrandt, but to Travis AFB Art Show officials, Lieutenant David has the talent to become an old master at a young age.

A member of Detachment 23, 15th Weather Squadron, Lieutenant David's art work has drawn considerable interest although he had no formal art training. In 1967, he swept the Travis AFB Art Show by taking first place in all three categories: oil painting, watercolors and graphics. This year he placed first in water colors and graphics and took second in mixed media.

Learning to draw by experimenting and taking the best of each drawing, the weather officer commented, "A drawing is somewhere between a photograph and an abstract. I like to draw in the main details and let the viewers imagination draw the line around it."

He believes Air Force people have become more and more art conscious. "People need a diversion or interest outside of their main job. Art has become this for many Air Force people because they have greater exposure to it."

Lieutenant David enlisted in the Air Force in 1954 and was trained as a bomb radar and computer technician. He applied for the Airman's Education and Commissioning Program several years later and was accepted.

# AWS helps out with solar research at Thule



P. STAUNING, DANISH SCIENTIST with the Ionosphere Laboratory in Copenhagen, Denmark, and TSgt. W. Coleman, rocketsonde launch conductor assigned to Detachment 48, 12th Weather Squadron, discuss payload preparation.

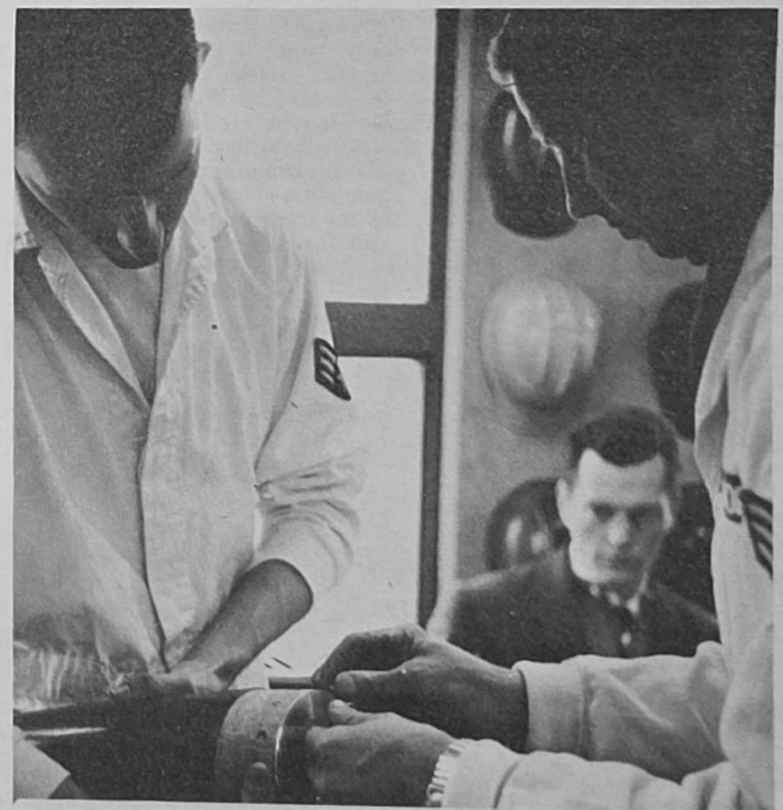
THULE AB, Greenland—It is generally known that solar activity can interfere with radio waves and cause breakdowns in communications. At Thule, research is being carried out which may bring about better understanding of these effects.

Rocketsonde men of Detachment 48, 12th Weather Squadron, working with Danish scientists from the Ionosphere Laboratory of Copenhagen's Technical University have launched several Danish-American probes to study ionospheric phenomena.

Why pick such an isolated spot as Thule? Because as P. Stauning of the Ionosphere Laboratory puts it, "It is located near the magnetic north pole. This large magnetic field has its own influence upon the ionosphere. Join this with the solar activities and you can see why we would test here."

The solar activity that the scientists refers to is the once-every-eleven-year increase in sunspot activity. This year is the first since 1957 that the solar activities have reached a peak, and researchers hope to discover many of the mysteries behind them.

The ARCAS and LOKI rockets used in the program carry the probes to 225,000 ft. or more.



SGT. GARY MCKENNY, rocketsonde ballistician (left) and Sgt. Kenneth R. Austin, data reduction specialist, assemble payload, nose-cone, and parachute device as all systems are 'go' for the Danish-American launch at Thule. Both men are assigned to Detachment 48, 12th Weather Squadron.

## AWS cameras gathering dust

Hq. AWS—November photo contest subject is "Love". So far only a few entries have been received, but there is still plenty of time to enter.

All you have to do is photograph any object, person or scene relating to the month's theme. Forward negative and photo and a brief description to OBSERVER Photo Contest (AWFOI), Scott AFB, Ill. 62225. Negatives will be returned if requested.

There's no limit to the number of entries by each person, but they must arrive at this headquarters no later than the 10th day of each contest month.

A photo of the year will be chosen from the monthly winners.

Photo subject for December is Air Power.

All AWS personnel and their dependents may enter the contest.

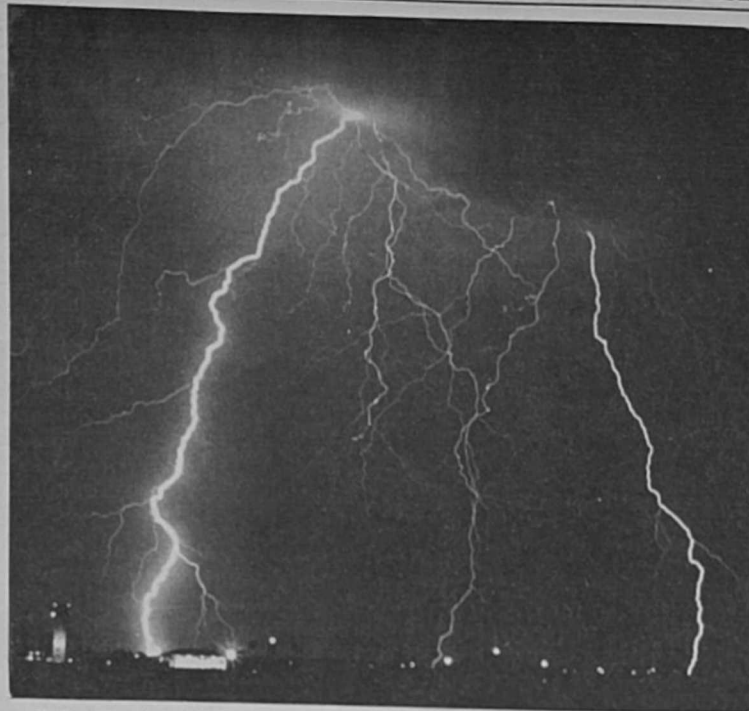
## Forecasters to compete for individual awards

Hq. AWS—For many years forecasters assigned to Air Weather Service units have been performing outstanding jobs without any official recognition. This was changed recently when the AWS Awards Board created two annual forecasting awards to recognize individual excellence in weather forecasting.

Forecasters will be competing for two awards, one for forecasters assigned to weather central facilities and the other for those attached to weather detachments.

Winning selections will be based on achievements completed during the calendar year. The commander of the unit in which the accomplishment took place is responsible for submitting nominations.

Nominations will be prepared in letter format and include the full name, grade, AFSN, permanent home address, organization of assignment during the period of achievement, current organization, and a written description of the achievement. Supporting documents will be



WEATHER PHENOMENA is this month's subject for the AWS Photo Contest. Shooting at the exact moment during an electrical storm near Cannon AFB, N.M., was SSgt. James A. Denton, Detachment 22, 25th Weather Squadron. Camera was Canon FX, 35mm with a wide angle lens. Exposure was 30 seconds with an F16 lens opening.

## 56th Life Support keepin' 'em flying, gets PRIDE award

YOKOTA AB, Japan—For their professionalism and skill the 56th Weather Reconnaissance Squadron, here, has been presented the Air Weather Service Life Support "PRIDE" Award.

The Life Support Section of the 56th maintains pressure suits for high flying RB-57F crews as one of their prime responsibilities. Since each 57F pilot and navigator has fitted suits, special care must be taken to keep them in the best shape possible. If the suit malfunctions crewmembers must receive completely new fittings.

The PRIDE Award winning section is required to check all personal equipment used on both the RB-57 and WC-135 aircraft. In the winter, WC-135 crewmembers carry arctic gear which is also cared for and stored by this section.

Life Support Section personnel also monitor the shot records of all squadron personnel and administer shots as they are needed to squadron personnel and their dependents.

Personnel assigned to the section are skilled in teaching water safety and first aid courses. This training is given to squadron and base personnel as needed.

## Air Medals

MCCLELLAN AFB, Calif.—The following members of the 9th Weather Reconnaissance Wing have been awarded Air Medals for meritorious achievement while participating in aerial flight.

Capt. Paul D. Gutfreund, 1st Lt. Alfred J. Raia and SSgt. Richard G. Mills received the First Oak Leaf Cluster to the Air Medal, while Maj. David F. Edwards, and Captains Eldwood N. Laugen and Henry F. Leckenby received their first Air Medals.

## New stripes for wx men

The following Air Weather Service people have been promoted to the grade indicated:



To SMSgt.

Jack B. Weber.



To MSgt.

James I. Ballard, Donald L. Gallman, Frederick W. Smith and James E. Wilson.



To TSgt.

Ramond C. Batts Jr., William C. Bowman, John P. Casey, Raymond Fawcett, Darwin E. Kampman, Douglas D. Southwick and Roscoe Wyche.



To SSgt.

Thomas G. Bassler, Roger N. Brunquell, Alexander H. Bush, Clayton R. Chartier, Dennis D. Davis, Gregory Franklin, James C. Ingles, Bruce W. Johnson, Terry D. Kessinger, Donald R. King and Robert B. Kitson.

Also promoted to SSgt. were David V. Lohr, Jordan B. Matejcek, Peter Morris, Toshio Ota, Richard T. Price, Michael D. Schmidt, Nevin C. Swartz, Don H. Taylor, Julian S. Ward, Theodore R. Ward and Donald L. Wilson.



To Sgt.

John W. Alspach Jr., Richard J. Anderson, Kenneth E. Arnold, Clifford D. Ashby Jr., Keith A. Barley, John A. Behnke, Robert L. Bell, Timothy C. Binns, Jimmy L. Blackwell, John J. Bloecher, Lloyd N. Booth Jr., Robert R. Boyd, Donald N. Bracco, Dennis G. Brown, Larry

J. Brooks, Peter P. Brubaker, Raymond E. Buffington, Roderick Bulley II, Realford C. Burns and James A. Chesky.

Also promoted to Sergeant were John C. Cleveland, Herman L. Coachman Jr., Robert E. Coleman, Stuart A. Chandler, Clifford A. Christy, Jerry R. Cole, Richard P. Collins, Winthrop H. Cray Jr., John C. Delamater, Tommy L. Dever, Daniel E. Dix, Steven M. Douglas, Gerald L. Dunn, Roger E.

Eggers, James L. Elsey, Robert M. Estes, Geston G. Ewing, Egidio Ferrucci, John L. Flick Jr., James V. Florio Jr., Kelly D. Ford, Dennis R. Fruehauf, Walter L. Gabler, Harvey J. Garod, Gary Gunter, Barrett M. Guthrie, Norland K. Hall, Rodney W. Hanscom, Michael R. Hardy, John C. Harris, Carl V. B. Haub, Michael A. Hayward, Jon P. Hedlund, William B. Helton, Robert L. Hermann, Max W. Herrmann III, Karl A. Hickman, Hassel L. Holder Jr., David L. Holt, Harry O. Houwen, Edward F. Hynan and Timothy C. Janes.

Additional promotions to Sergeant were Johnny J. Jones, Stephen F. Jones, Arnold H.

Karagis, Patrick Kilcoyne, James N. Keuning, Robert F. Killen, Harold L. Knight, Gerald L. Knox, David G. Labarr, John W. Lacks Jr., Gary G. Laraber, Ernest N. Latimer, Robert G. Lawson, Dana K. Lewis, Dennis R. Long, William J. Lyons, William C. Mathis, Robert P. Martinez, Kenneth B. McGuire, David T. Meyer, Glen A. Miles, Rich G. Misenhimer, Jorge Nietoreyes, Ricky L. Oldano, John T. Onell, Ronald K. Ostenberg, Arthur K. Owen, William J. Paradise, Gary M. Pelton, Brian V. Pettersen, Donald E. Pollard, Joseph Porretta, Les G. Radford, Alexander Rapach Jr., Jack H. Rardin, David A. Ray, William J. Rhinow, Chris W. Rhyne, Glenn W. Rider, Ellis S. Roberts, Michael L. Roh, Ronald C. Ropke, Raymond W. Rossi, John N. Rutherford Jr., James F. Sanders and David A. Sather.



DISCUSSING THE CAPABILITIES of the RB-57F weather aircraft with Brig. Gen. Russell K. Pierce Jr., AWS commander, is Dr. William M. Lehmann, Assistant for Laboratories, Assistant Secretary of the Air Force (Research and Development). While at this headquarters, Doctor Lehmann was briefed on AWS's operations, solar and satellite programs and officer retention.

DEAR JOHNNY

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

LOVE  
SANTA CLAUS

STAMP

YOUR CHILD'S NAME  
AND ADDRESS

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

AIR MAIL

FIRST, write a letter to your youngster and sign it "Santa Claus." You may wish to reply to a letter your child has written to Santa.

SECOND, place the letter in an envelope addressed to your child. Be sure to place enough air mail postage on the letter to get it from Alaska to you.

YOUR NAME  
AND ADDRESS

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

STAMP

SANTA'S MAIL BAG  
DET 5, 9th WEA RECON WG  
APO SEATTLE, 98737

THIRD, place the Santa letter in a larger envelope and mail it to the above address. Make sure the letter reaches Alaska by the Dec. 15 deadline so your youngster won't be disappointed.

# Commendation Medals



U.S. Air Force Commendation Medals for the following Air Weather Service members have been awarded or approved recently:

- Col. Lawrence D. Connolly, (First Oak Leaf Cluster), 26th Wea. Sq.
- Col. John T. McCabe, (First Oak Leaf Cluster), ETAC.
- Lt. Col. Tedd L. Bishop, 56th Wea. Recon. Sq.
- Lt. Col. Leon D. Goldsmith, 3rd Wea. Wg.
- Lt. Col. James G. Howcroft, OL-10, Hq. AWS.
- Lt. Col. John H. Hug, (First Oak Leaf Cluster), Det. 2, 57th Wea. Recon. Sq.
- Lt. Col. Robert E. Parry, Det. 2, 53rd Wea. Recon. Sq.
- Lt. Col. Nelson L. Petersen, Det. 10, 15th Wea. Sq.
- Lt. Col. Roy A. Wegener, (First Oak Leaf Cluster), 3rd Wea. Wg.
- Maj. William A. Bennett, 4th Wea. Wg.
- Maj. Joseph W. McGee, (First Oak Leaf Cluster), Det. 2, 57th Wea. Recon. Sq.
- Maj. Thomas D. Damon, Hq. AWS.
- Maj. Joseph J. Hope, 2nd Wea. Wg.
- Maj. Eugene R. Hoppe, ETAC.
- Maj. Jerry B. Love, (First Oak Leaf Cluster), 4th Wea. Wg.
- Capt. Albert S. Dodd, III, 56th Wea. Recon. Sq.
- Capt. John E. Hogan, Det. 2, 57th Wea. Recon. Sq.
- Capt. Ronald J. Lipasek, 2nd Wea. Sq.
- Capt. Ronald J. Magnuson, Det. 18, 20th Wea. Sq.
- Capt. Herbert A. Plucker, Hq. AWS.
- Capt. Donald G. Scharon, Det. 2, 53rd Wea. Recon. Sq. and 53rd Wea. Recon. Sq.
- Capt. Albert Sullivan, 31st Wea. Sq.
- CWO Max L. Crowder, (First Oak Leaf Cluster), 55th Wea. Recon. Sq.
- CWO Owen L. Palms, Det. 42, 7th Wea. Wg.
- CMSgt. Samuel F. Gullo, (First Oak Leaf Cluster), 58th Wea. Recon. Sq.

- SMSgt. John L. Lakes, Det. 13, 15th Wea. Sq.
- SMSgt. Walter L. Norman, Det. 2, 53rd Wea. Recon. Sq.
- SMSgt. Oliver A. Williams, Det. 2, 53rd Wea. Recon. Sq.
- MSgt. Roland H. Alexander, (First Oak Leaf Cluster), Hq. AWS.
- MSgt. Melvin L. Allen, Det. 2, 57th Wea. Recon. Sq.
- MSgt. Richard F. Boyle, Det. 51, 2nd Wea. Wg.
- MSgt. William C. Dougherty, (First Oak Leaf Cluster), Det. 2, 57th Wea. Recon. Sq.

- TSgt. Quentin E. Dillon, Det. 13, 15th Wea. Sq.
- TSgt. Andrew L. Foss, Det. 2, 57th Wea. Recon. Sq.
- TSgt. Dan G. Hern, Det. 7, 16th Wea. Sq.
- TSgt. Billy L. Pugh, Det. 2, 57th Wea. Recon. Sq.
- TSgt. John K. Reynolds Jr., Det. 11, 6th Wea. Wg.
- TSgt. William O. Silvey, (First Oak Leaf Cluster), 5th Wea. Wg.
- TSgt. Charles E. Spurlock, Det. 6, Hq. AWS.
- TSgt. Harry E. Wilson, Det. 13, 26th Wea. Sq.
- SSgt. Silas D. Adams, 2nd Wea. Wg.
- SSgt. Harold G. Black, 58th Wea. Recon. Sq.
- SSgt. Earl V. Coykendall, (Second Oak Leaf Cluster), 6th Wea. Wg.
- SSgt. Martin A. Goodman, Det. 2, 53rd Wea. Recon. Sq.
- SSgt. Clifford Haney, Det. 13, 15th Wea. Sq.
- SSgt. Joseph E. Kicklighter, 24th Wea. Sq.
- SSgt. Albert T. Malik II, 57th Wea. Recon. Sq.
- SSgt. Robert L. McDaniel, Det. 7, 24th Wea. Sq.
- SSgt. James S. Meehan, Det. 2, 57th Wea. Recon. Sq.
- SSgt. Ernest A. Nicholls, Det. 2, 57th Wea. Recon. Sq.
- SSgt. Larry G. Ross, 4th Wea. Wg. Hi Sally.
- SSgt. James E. Skarsten, 2nd Wea. Wg.
- SSgt. David L. Soles, 9th Wea. Recon. Wg.
- SSgt. Don P. Taylor, Det. 36, 7th Wea. Wg.
- SSgt. Norman D. Vogt, 3rd Wea. Wg.
- SSgt. Clifford F. Wilson, Det. 2, 53rd Wea. Recon. Sq.
- Sgt. Georgia G. Busic, 7th Wea. Wg.



- MSgt. Douglas E. Grabau, (First Oak Leaf Cluster), Det. 35, 7th Wea. Wg.
- MSgt. Cecil B. Hartman, Det. 2, 57th Wea. Recon. Sq.
- MSgt. Gordon J. Husman, (First Oak Leaf Cluster), Det. 2, 57th Wea. Recon. Sq.
- MSgt. Paul E. LeValley, 3rd Wea. Sq.
- MSgt. James L. Riordan, 6th Wea. Wg.
- MSgt. Raymond W. Robben, Det. 19, 24th Wea. Sq.
- TSgt. Thomas E. Brown Jr., 1st Wea. Wg.
- TSgt. Frank Chema, Det. 2, 53rd Wea. Recon. Sq.

## A Facts



It's a fact that the Office of Aerospace Research has the world's largest solar vacuum telescope at Sacramento Peak Observatory, Sunspot, N.M. This observatory is one of a global chain in the Air Weather Service's Solar Observing and Forecasting Network.

## \$70,500 saved, award earned

KIRTLAND AFB, N.M.—Six 58th Weather Reconnaissance Squadron men have been cited for outstanding contributions to the Air Force Cost Reduction and Management Improvement Program.

Master Sergeants Willie Brown Jr. and Elmer L. Leonard, TSgt. Morris K. Puku and SSgt. Charles T. Wright were cited for management improvement in the area of equipment maintenance management which resulted in a savings of \$45,500.

Technical Sergeants William E. Vance and Edward A. Sawyer were recognized for management improvement in the area of equipment maintenance management resulting in a savings of \$25,000.

## Bronze Star

SSgt. Herbert F. Ringsdorf, Detachment 4, 16th Weather Squadron, Ft. Meade, Md., has been awarded the Bronze Star for meritorious service with the 5th Weather Squadron in Vietnam from November 1967 to April 1968.

## ON THE

skew-T

Highlights of Air Weather Service people at work and play.

# AWS Global Report

## McClellan AFB, Calif.

CMSgt. Eugene R. Sanchez, 58th Weather Reconnaissance Squadron, recently received \$335 for a suggestion he contributed to the Air Force Military Suggestion Program.

A maintenance superintendent with the 58th WRS, Sergeant Sanchez developed a filter that would efficiently process locally procured oxygen overseas for high-altitude RB-57C and F pilots so it would meet minimum Air Force purity standards.

Before this filter was developed, aerial resupply from the United States was time consuming and costly.

## Fuchu AS, Japan

A1C John Valluzzi, Detachment 1, 20th Weather Squadron, was chosen Airman of the Quarter for the months April through June.

An observer at Det. 1, Airman Valluzzi was chosen from candidates throughout 20th Wea. Sq.

## Pope AFB, N.C.

A1C William W. Modlin, Det. 20, 3rd Weather Squadron, is Pope AFB Airman of the Month for August. A weather equipment repairman, Airman Modlin received a desk set and a certificate of achievement.

## Tinker AFB, Okla.

SSgt. Douglas M. Brooks, 6th Weather Squadron (Mobile), will be entering Oklahoma University this fall to study under the Airmen's Education and Commissioning Program. He will be majoring in meteorology.

## Bright Bremners win scholarships; can't kick habit

DOW AFB, Maine—Steven D. and Renee E. Bremner, children of Maj. and Mrs. Stuart D. Bremner, Detachment 2, 5th Weather Wing, have fallen into a habit of winning scholarships.

Steven, a sophomore at the University of Maine, majoring in wildlife management, won the 1967 Dow AFB (\$400) Scholarship and the Sears Roebuck Agricultural Scholarship for \$350.

Planning a fall entrance at Morningside College, Sioux City, Ia., Renee won the 1968 Dow AFB award making it two in a row for the Bremners and she received a Competitive Honors Scholarship of \$600 from Morningside College.

Other potential Bremner scholarship winners include Denise, 15; Michele, 13, and Charmaine, 7.

## Kadena AB, Okinawa

A1C David E. Worden, Detachment 8, 20th Weather Squadron, has been named Airman of the Quarter for Kadena AB for the months July through September.

Airman Worden was awarded a trophy, steak dinner, a three-day pass and a letter of congratulations from the base commander.

## Malmstrom AFB, Mont.

A1C Bruce K. Collmar, Detachment 6, 9th Weather Squadron, has been selected to attend Colorado State University under the Airmen's Education and Commissioning Program.

Previously attending Utah State University, Airman Collmar will begin school in January 1969 majoring in industrial management.

A1C Robert J. Kolfenbach, Det. 6, 9th Wea. Sq., was recently awarded the Bronze PRIDE Certificate for distinctive achievements as a weather equipment repairman.

## Martin wins Legion of Merit

Hq. AWS—Col. Donald E. Martin, former assistant deputy chief of staff for aerospace sciences at

Hq. Air Weather Service, who retired in July, was awarded the Legion of Merit.

Now teaching at St. Louis University, Colonel Martin was honored for exceptionally meritorious service as chief, AWS Computer Techniques Division, from June 1963 to July 1966 and as assistant DCS Aerospace Sciences from August 1966 to July 1968.

Among his other accomplishments were the AWS computer techniques development program. He also provided technical guidance to the Air Force Systems Command for a multi-million dollar meteorological development program.

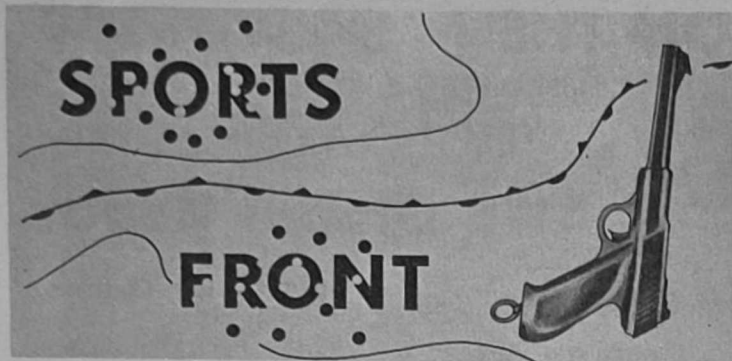


Martin

## Pa. weather flight captures OJT award

PITTSBURGH, Pa.—The 146th Weather Flight recently became the first Pennsylvania guard unit to receive the National Guard Bureau's Annual OJT Award for 1967.

Cited for their 100 per cent SKT passing rate, the flight gave special recognition to the Weather Air Technical Advisor (WATA), TSgt. John Richardson Jr.



By SGT. JESSE L. FREY

**Four hour duel nets marlin**

Lt. Col. Edward N. Erickson, OIC weather section, 54th Weather Reconnaissance Squadron, Andersen AFB, Guam, recently spent an exciting day on a 64-foot fishing boat in the Pacific with seven fellow fishermen.

After about an hour of trolling, there was a sharp jerk on the line. The men were about to fight a four hour duel with a ten foot long 310 pound marlin, the second largest marlin ever taken in the Guam area.

**Calcutta Golf Tournament**

Sgt. Joe Murphy, Detachment 14, 31st Weather Squadron, Hahn AB, Germany and Sgt. Dave Thompson of Hahn AB won the Calcutta Golf Tournament with an eight under par 134 in the 36 hole event.

The partners were closely followed by two other teams who finished the 36 holes with 135s.

**Major Martin specializes in checkmates**

Maj. Forrest Martin, assistant operations officer, 29th Weather Squadron, Richards-Gebaur AFB, Mo., has won the 10th Air Force Chess Championship at Perrin AFB, Tex.

After winning six consecutive games in capturing the 10th Air Force title, Major Martin is now aiming for Air Defense Command laurels.

**56th WRS sponsors winners**

Members of the 56th Weather Reconnaissance Squadron, Yokota AB, Japan sponsored the championship team in the base little league baseball circuit.

In addition to buying the uniforms and equipment, the 56th WRS also provided 80 per cent of the players.

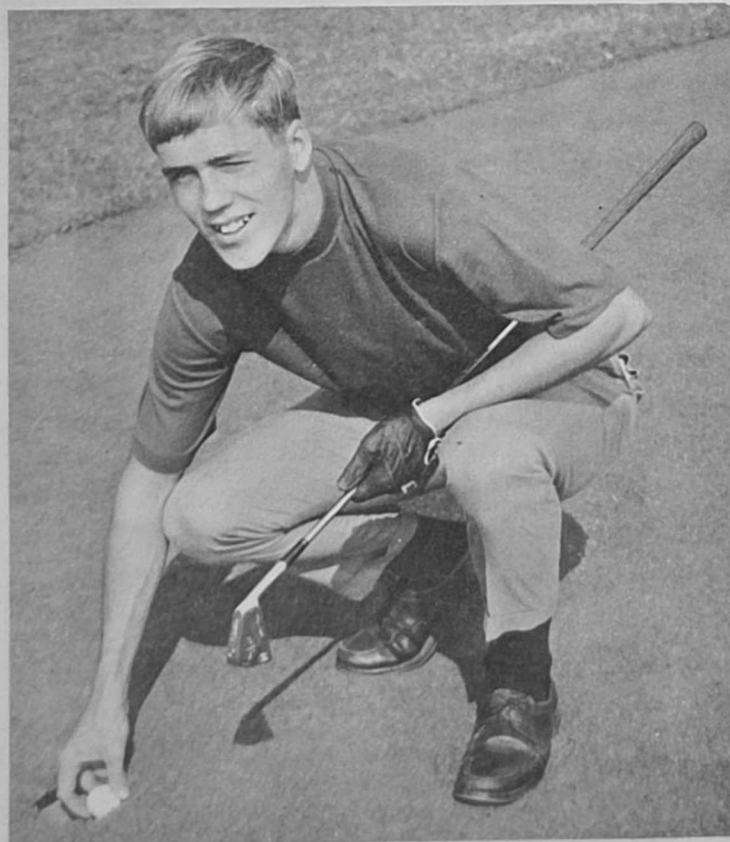
A 13-1 record was compiled by the Yokota Hawks.

**McGuire men win golf-softball titles**

For the second year in a row, the combined forces of Detachment 10, 15th Weather Squadron and 15th Wea. Sq., have won the slow pitch softball title at McGuire AFB, N.J.

Coached by Ray Lapierre, the weathermen finished the regular season with a 13-4 log.

Linksmen also had a successful season finishing the year 40 points ahead of their second place rival.



A GOLFER'S GREATEST THRILL was recently experienced by Gary Anderson, 17-year old son of Lt. Col. Hugh B. Anderson, commander, Detachment 2, 5th Weather Wing, Langley AFB, Va. A linksman for the past three years, Gary scored a hole-in-one on the third hole of the Langley "C" Course. He used a five iron for the 171 yard shot.



Fenner

*Sports car fan is hill climber*

ELLSWORTH AFB, S. D. - TSgt. Gayle J. Fenner, Detachment 12, 9th Weather Squadron, placed second in the seventh annual Automobile Hill Climb, near Ten Sleep, Wyo., in the heart of the Big Horn Mountains.

To prepare himself for the meet, Sergeant Fenner took his family on a week's camping trip near the foot of the climb to make trial runs of the five-mile course which ran from the canyon floor to an elevation of 7,500 feet.

His car was equipped with roll bars, seat belts, fire extinguisher and personal safety gear consisting of a flame proof driving suit and crash helmet.

The course was controlled by several radio check points with ambulances, fire trucks and wreckers awaiting in case of an accident.

Currently a member of the Black Hills Region of the Sports Car Club of America, Sergeant Fenner is chairman of Det. 12's Ground Safety NCO Steering Committee.

**Supergrade boards meet at Randolph**

RANDOLPH AFB, Tex. (MNS) - Military personnel center officials at Randolph have announced that promotion boards for senior and chiefmaster sergeants will meet Oct. 21 and Nov. 18 respectively.

Promotions to senior NCO are expected to equal or top the 7,000 promoted to E-8 and E-9 last year.

Senior NCOs are selected by central promotion boards at Randolph composed of senior officers selected from major commands. Airmen will be selected for promotion on the "whole man" concept.

Recalled Air Force Reserve and Air National Guard NCOs will be considered for promotion to the supergrades under separate promotion quotas.

Basic eligibility requirements for reservists are the same as for regular NCOs, except that time-in-grade will be computed from Reserve and ANG dates of rank instead of the active-duty adjusted date of rank.

**Sooners of Oklahoma: sooner win than lose**

Over 25 years of football competition has netted Oklahoma University the distinction of being number one in percentage of games won.

To attain this position, the Sooners used long winning streaks including one that started in the early 1953 season and lasted until late 1957 when Notre Dame stopped them 7-0 on a late fourth quarter touchdown. The streak was stopped at 47 victories!

During 260 games in over 25 years, Oklahoma averaged over 26 points per game while yielding just over 10 to each opponent.

Geographically, the South leads everyone with nine representatives in the nation's top 25 teams.

Listed below are the top 25 grid teams in the country. Average points scored per game over the 25 year span are shown at the extreme right.

	W	L	T	PF	PA
Oklahoma	196	58	6	26	10
Army	163	60	12	25	10
Notre Dame	171	66	9	24	13
Mississippi	171	66	11	22	11
Michigan St.	155	60	7	23	12
Texas	183	72	6	21	11
Georgia Tech	185	76	6	19	9
Alabama	168	72	18	21	11
Wyoming	147	63	10	20	12
Ohio State	151	65	12	20	12
Penn State	160	71	8	21	13
Tennessee	162	74	13	20	10
Princeton	143	66	3	22	14
USC	164	80	11	19	13
Michigan	145	81	7	20	13
Iowa State	154	89	16	17	12
Yale	134	78	11	19	12
Duke	147	86	13	19	13
Syracuse	135	87	3	21	15
UCLA	144	95	7	20	13
North Texas St.	129	86	10	21	16
Georgia	150	101	12	18	13
Miami Fla.	142	98	9	17	13
Clemson	141	97	9	18	13
Dartmouth	125	87	7	18	14

*NCO's career went from Spads to 'Thuds'*

TAKHLI RTAFB, Thailand - A recent story in the MAC News Service mentioned the closing of MAC's NCO Academy at Orlando AFB, Fla., with the graduation of the 100th class.

That story was one special interest to SMSgt. Charles E. Reed, a forecaster and first sergeant for Detachment 16, 10th Weather Squadron, Korat RTAFB, Thailand.

Reed was graduated from MAC's NCO Academy 12 years

earlier with the second class.

Speaking from a duty station overlooking F-105 Thunderchief fighter-bombers of the 388th Tactical Fighter Wing, Reed recalled that his service career had begun when operational aircraft were fabric-covered and bi-winged. "There's been a great deal of change, and while the first few years were slow in passing, the rest have flown by," he said of his 29 years service.



Aren't you glad you joined AWS to beat the draft!