AIR WEATHER SERVICE

OBSERVER

Weather Component of USAF's Military Airlift Command

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TYPHOON CHASERS ON FILM-- A photography team from Cinesell, Inc., Tokyo, Japan, films a WC-130E lift-off as a portion of a documentary movie about the typhoon chasers of the 54th Weather Reconnaissance Squadron. The film will depict tropical storm reconnaissance in the Pacific and its effect on Japan. The title of the film will be "Scientists of the Typhoon." From left are photographers Yuzo Yatsuyagani and Kunima Fukumi, and director Takao Hayashi.

Project Stormfury unites meteorologists in effort to tame the hurricane

HQ. AWS, Scott AFB, Ill.--Hurricane winds are among the strongest forces known to man. Developing a technique to limit their force has interested meteorologists the world over. Weather scientists with Air Weather Service, the Environmental Science Services Administration (ESSA) and the U.S. Navy have joined forces for the sixth straight year under Project Stormfury in an effort to conquer these storms.

Project Stormfury is a joint Department of Commerce - Department of Defense program of experiments to explore the structure and dynamics of hurricanes. The project's goals are to achieve better understanding, improve predictions, and investigate the possibility of modifying some aspects of these destructive tropical storms.

During Stormfury, hurricanes are bombarded with silver iodide and carefully measured to learn whether the seeding lessens the storms' violence.

The areas in which seeding is authorized have been extended this year to permit experiments in parts of the Atlantic, the Caribbean Sea and the Gulf of Mexico when the probability is 10 percent or less that the center of the treated hurricane will come within 50 miles of a populated area in the next 24 hours.

AWS's primary mission in Stormfury will be to provide C-130 Hercules aircraft for dropsonde and wind measurements, and WB-47 aircraft for high-level observations and radar photography for the hurricane Eyewall and Rainband experiments.

In each of the Eyewall experiments this year, the wall surrounding the eye of the hurricane will be seeded five times at two hour intervals. A large number of dropsonde units will be dropped on each seeding run. AWS, Navy and ESSA specially instrumented aircraft will monitor the area from four hours before the first seeding until six hours after the final one, in order to record changes in storm characteristics.

In the Rainband experiments (curved bands of clouds with heavy precipitation) plans call for DOD aircraft to make a hurricane rainband attempt this year. These rainbands are normally found at some distance from the storm's eye, but may be an important link in the chain between relatively simple storm activity and a mature hurricane. A curtain of silver iodide canisters will be dropped along a rainband, with monitoring before and after seeding by project aircraft.

From August 5 to October 15, project scientists, aircraft, and flight crews will be on 48 hour alert for hurricane seeding missions. As many as 14 planes of ESSA, the U.S. Navy and AWS will participate.

54th WRS "typhoon chaser" movie stars receive poetic pen letter from Japanese

ANDERSEN AFB, Guam--The 54th Weather Reconnaissance Squadron was host recently to a movie camera crew from Cinesell, Inc. of Tokyo, Japan. Not long after that, they were pleasantly surprised to receive a letter from a member of the crew, thanking them for their assistance. Excerpts of that letter are printed below, and may be of interest to OBSERVER readers.

"Concerning typhoon Mary, we call typhoon no. 4, she landed on Japan in Shikoku district. I wonder, Japanese beauty attracted Mary, but she cried so hard that a great deal of tears came down from her eye. I don't know why she was crying so hard. It is difficult for me to understand young ladys' feelings. Owing to her caprice, Japanese people had a lot of rain.

"I am sorry for being late of sending a letter for thanks. Because I was waiting a development of our film in order to tell you that the film turned out good. The print film is clear and fine like the sky of Guam.

"We owe our great success in this location to you, your crew and the member of 54th Weather Reconnaissance Squadron.

"On reading my diary again, I cannot remember the pleasant life in Guam without shining sun, blue sky, wide and beautiful sea.

"I cannot forget your kind help all my life. I think your missions are very great and important for our Asian people. I would like to say "thank you" on behalf of Japanese people. And we hope the film will help Japanese people to understand Americans."

9th exceeds mission rate

HQ. AWS--Flying units of Air Weather Service's 9th Weather Reconnaissance Wing recently exceeded their mission reliability standards for the first half of 1968.

Levied with a 90 per cent mission reliability rate, the six squadrons and two detachments assigned to the wing compiled a 91 per cent rate.

The 9th Wing flew 3,294 missions during the six month period, with 184 maintenance delays, 101 aborts and 11 other delays for their 91 per cent mission rate.

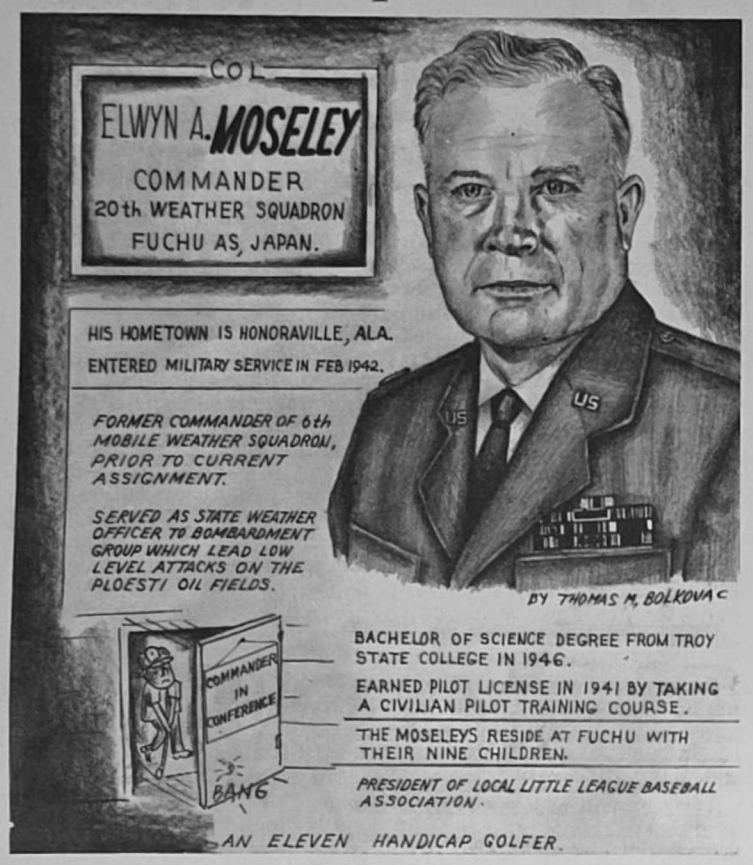
Former AWS boss retires

WASHINGTON, D. C.-- USAF Brig. Gen. Roy W. Nelson Jr., AWS commander from March 1963 to October 1965, retired from active duty July 31. Since June 1967, the general had been Special Assistant for Environmental Services to the Joint Chiefs of Staff, first man to hold the new post.

In September, General Nelson becomes assistant to the vice president of Packard Bell Electronics Corporation's Space and Systems Division, Newbury Park, Calif.

RAIN DANCING-- Performing their famous rain dance atop an F-102 Delta Dagger at Kelly AFB, Tex., is a snap for "Los Voladores de Papantla", the famed Flying Indians of Mexico. The Totonac Indians of Papantla perform this 400-year old ritual at the San Antonio Hemisfair by descending off a 114-foot pole by rope while the chief plays the flute and small drum, and dances atop the pole on a 12-inch disc. This tribal ritual may not produce rain, but it sure makes pretty good viewing.

20th Wea. Sq. commander



58th SSgt gets $60 *re-up bonus*

KIRTLAND AFB, N. M.--With the age of big variable reenlistment bonuses, pro pay and other pay incentives on hand, an Air Force sergeant could do pretty well if he reenlisted. Not so for SSgt. Ray T. Marrett, who signed on the dotted line and got $60 for it.

Sergeant Marrett, a radar technician with the 58th Weather Reconnaissance Squadron here, got his $60 bonus after reenlisting for the fifth time, which will give him 20 years service.

According to federal law, no enlisted member can draw more than $2,000 in basic reenlistment bonuses over a 20 year period. Prior to this enlistment, Marrett had collected $1,940 in re-up pay.

A Vietnam veteran, Sergeant Marrett will soon transfer to the 374th Tactical Airlift Wing, Naha AB, Okinawa.

Well done!

At Fuchu AS, Japan, an Air Weather Service staff sergeant won an award for saving the Air Force $9,600. At Tan Son Nhut, another AWS NCO was accorded Presidential recognition when his helpful suggestion saved $70,000.

These men and many more like them are the reasons why AWS exceeded its cost reduction goal for fiscal year 69. Altogether, AWS saved the Air Force over one-and-one-half million dollars, 521 per cent of its goal of $289,000. This is an average savings of $125 for each person in the command.

The OBSERVER wishes to extend a "well done" to all those who contributed suggestions and helped put AWS over the top. But the toughest part is yet to come.

In this year of lowered budgets and austere spending, the Air Force and AWS are going to need to save money as never before. The only way to do our job on less money is to do it cheaper.

This fiscal year, the AWS cost reduction goal is $340,700. With a little effort and imagination, AWS could have another 500 per cent year. Let's all get cracking and put AWS over the top for FY 69.

Bronze Star

Lt. Col. Bruce M. Elvin, weather liaison officer, Directorate of Aerospace Safety, Norton AFB, Calif., has been awarded the Bronze Star for outstanding service as commander of the Southeast Asia Tactical Forecast Center, Tan Son Nhut AB, Vietnam.

Colonel Elvin won the award for supplying specialized meteorological forecasts and vital weather information to all agencies operating in SEA.

Air Medals

Following members of the 58th Weather Reconnaissance Squadron have been awarded the Air Medal for meritorious achievement while participating in aerial flight.

Maj. Harold L. Hoffman, Capt. Alonzo R. Cano, Capt. Darrell L. Clark, Capt. Robert G. Glud, Capt. Bruce V. Linscott and Capt. Thomas L. Peterson.

Shaw NCO makes safety pay

SHAW AFB, S. C.--Being a smart driver and having a little luck made MSgt. Dale R. Myers Detachment 4, 3rd Weather Squadron, $10 richer.

Sergeant Myers received his cash award under the Shaw AFB Operation Lap-Snap program. This is a base seat belt promotion program which consists of daily spot checks by security police of vehicles entering and leaving the base.

If seat belts are being worn by the occupants, when stopped, the driver's name is taken and entered in a weekly drawing for $10 cash award.

Col. Allan T. Sampson, Shaw base commander presented the award to Myers.

Det 7, 7th WS wins PRIDE award

GRAFENWOEHR, Germany -- Detachment 7, 7th Weather Squadron, which supports the U. S. Army in Europe, was recently presented the special PRIDE Unit Award.

Commanded by Maj. Loranzo D. Smith, Det. 7, was cited for the high standards of mission accomplishment by each individual.

MAC MEMO

Excerpts from MAC News Service stories condensed to provide AWS members a capsulized look at MAC activities.

Records to go along on TDY

HQ MAC (MNS) --Officers and airmen on temporary duty soon may carry a special personal records folder to the base personnel office at their TDY station.

People going TDY for 30 days or more, or to schools for five or more days, will be required to carry the new folder.

Folders will contain emergency data, copies of TDY orders, a special TDY information card, personnel data system card and a machine copy of the officer's or airman's personnel records.

Veteran benefits increased

WASHINGTON (MNS) -- President Lyndon B. Johnson signed July 27 three bills extending vocational benefits for veterans and increasing federal payments for state and community nursing home care of veterans.

Under the provisions of the laws:

Disabled veterans will be able to receive vocational rehabilitation training and benefits either part-time or full-time.

Federal payments to states for hospital care of veterans is increased from $2.50 to $3.50 a day and for nursing home care from $3.50 a day to $5 a day.

President signs passport bill

WASHINGTON (MNS) -- President Lyndon B. Johnson signed July 27 a bill making United States passports valid for five years and setting an application and issuing fee of $12.

Previously, a passport was valid for three years and cost $10. It could be renewed for two years with a $5 renewal fee.

The action is expected to ease the workload caused by sharp increases in the number of applications for passports and renewals.

New bumper decal approved

WASHINGTON (MNS) -- A 2 by 2 inch standardized automobile bumper decal has been approved for use by Air Force personnel worldwide.

The standard decal will be available in early 1969. It will feature the blue Air Force seal over a yellow background.

Decals will not be numbered, nor will they distinguish whether the automobile owner is an officer, airman or civilian.

Base commanders will have the option of requiring a colored tab placed above the decal to identify rank or the vehicle owner. Decals are to be displayed on front bumpers.

Increase your earning power by taking advantage of the off-duty educational opportunities available to you.

Forecaster is re-enlisted by old Clark boss

CLARK AB, R. P.--MSgt. Robert F. Thomas Jr., Detachment 5, 1st Weather Wing forecaster and TV weatherman, has reenlisted after 20 years in Air Weather Service.

Administering the oath was Det. 5 commander, Lt. Col. William B. Hellkamp who served a tour at Clark 15 years ago with Sergeant Thomas.

Colonel Hellkamp was then first lieutenant forecaster while Sergeant Thomas was an A1C equipment maintenance man.

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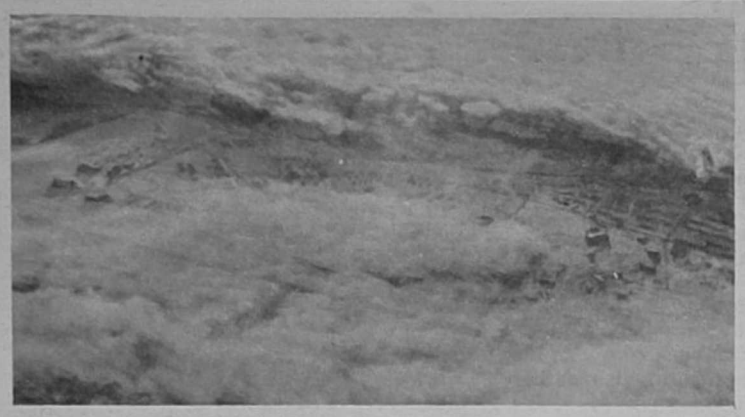
BRIG. GEN. RUSSELL K. PIERCE, JR.
Commander, Air Weather Service

LT. COL. LEON M. ROTTMAN, Director of Information
MR. JOHN D. RUGG, Deputy Director of Information
LT. RAY A. CROCKETT, Managing Editor
SSGT. GENE GOLDSMITH, Editor



WEATHER MODIFICATION The large hole cut out of the cloud formation over Elmendorf AFB, Alaska, is a result of seeding by Air Weather Service reconnaissance crews experimenting in the area. Code named Cold Cowl, the project is designed to eliminate the fog around Elmendorf so aircraft may take off and land on schedule. Dry ice and iodide crystals are used to dissolve the fog. (Air Force photo)

Weather modification: lot done, more to come

Hq. AWS--Like an elevator operator with his ups and downs, weathermen always hear that, "Everybody talks about the weather, but nobody does anything about it." It's an old saying that isn't so true anymore.

The Air Weather Service IS doing something about the weather. The technical name for it is weather modification and it has been the subject of much publicity of late. Such unusual names as Cold Cowl, Cold Horn, Cold Fan, Cold Wand, Cold Fog and Warm Fog all describe weather modification projects undertaken by AWS. *They all center around the control of a single weather phenomenon: fog.*

All of the "Cold" projects are concerned with the dissipation of super-cooled fog, which occurs at temperatures between -20 and 32 degrees Fahrenheit. The first of these, Cold Cowl, was carried out at Elmendorf AFB, Alaska, where aircraft operations are frequently hampered by super-cooled fog. This is especially true in December and January. Using a WC-130 weather aircraft with a special dry-ice crusher, dry ice was seeded into the fog.

A total of 37 seeding missions were flown, with 25 listed as successful. These successes made possible a total of 185 take-offs and landings that would have normally been diverted or cancelled.

Projects Cold Fog I, II and III used tethered balloons dangling dry-ice cakes beneath them. Tests were carried out at six locations in Germany, Alaska and the Northern U.S. Only one success was noted in 1966-67 and suitable conditions were not obtained last winter.

Projects Cold Horn and Cold Fan used liquid carbon dioxide from the ground in dissipation attempts. Some success was achieved. Project Cold Wand injected propane gas into the cold fog. On one occasion sufficient success was achieved to enable four aircraft to land.

Project Warm Fog is concerned not surprisingly, with warm fog, which occurs above 32 degrees Fahrenheit. Four C-141s were used last January in this test. The aircraft were lined up one behind the other in dense ground fog and their engines run at 99 per cent power for five minutes. Some success was achieved.

Testing will probably continue this winter on all these projects in an effort to master this aspect of weather modification. Other potential uses for weather modification, such as suppressing lightning and hail and reducing the strength of hurricane and typhoon winds, have obvious value to flying safety. These other weather phenomena present difficulties in verifying results of experiments in that unlike fog, they are all naturally variable. There is no way of knowing whether hail, for example, stopped because of weather modification efforts or simply of its own accord.

As more is learned about these variable phenomena, more control of the elements will become possible. It may not be far in the future that control over the weather for entire continents will be a reality.

Col. Flinders heads AFCRL

L. G. HANSCOM FIELD, Mass.--Col. Dale J. Flinders, past commander of the Environmental Technical Applications Center (ETAC), Wash., D.C., has been named commander of the Air Force Cambridge Research Laboratories, Bedford, Mass.

Spending nearly 24 years in Air Weather Service, Colonel Flinders has worked closely with the AFCRL, which are responsible for all environmental research in the Air Force.

A graduate of Morningside College in Iowa, Colonel Flinders also attended Massachusetts Institute of Technology for graduate training in meteorology and earned a Masters degree in geography at the University of Illinois.

Weather seen on CCTV at 25 SAC bases

OFFUTT AFB, Nebr.--Weather support rendered to the Strategic Air Command (SAC) by the 3rd Weather Wing is currently being steamlined through the use of a weather closed circuit television (CCTV) system. This system has been selected for operational use at 25 SAC bases.

Eleven 3rd WW detachments have operational units installed, with five additional weather stations scheduled to have the television system installed within 30 days. Detachment 14, 26th Weather Squadron, Blytheville AFB, Ark., was the first 3rd Wing unit to receive the TV system.

The CCTV is an audio-visual weather briefing system used primarily to provide a more professional and responsive weather briefing service. The system is not used as the primary means of local weather dissemination of observations and terminal forecasts, but rather as a support system.

Routine weather briefings via the CCTV include the alert force briefing, the wing commander's informal briefing, the tenant unit commander's operational briefing, special missions and special briefings as required by the local command post and the subscriber stations.

The system is composed of a weather briefing console located in the base weather station containing a videcon camera, a voice communications switchboard, a hands only microphone, a video monitor and a 24 hour tape sound recorder. Receiving stations contain a video monitor and a push to talk microphone.

These stations are located at SAC operational and command elements on the base plus other Air Force units served by 3rd WW detachments.

AUTHOR VISITS TYPHOON CHASERS--John Ball, author of the book "In the Heat of the Night" chats with Capt. Tom Burch, a navigator with the 56th Weather Reconnaissance Squadron, Andersen AFB, Guam. Ball dropped in on the weather unit to update a chapter of his forthcoming book concerning the typhoon chasers. The author of 18 novels, Ball is traveling throughout the Pacific to gather data for his novel on the Military Airlift Command, entitled "Victory by the Ton."

PRIVATE TO COLONEL--Cpl. Murray O. Jones (left) in his earlier military career at Sherman Fld., Ft. Leavenworth, Kan., in 1938 is pictured with Sgt. Everett W. Garrison in front of an A-17A aircraft. Both were members of the 3rd Staff Squadron, which provided flight service to the Army Command and Staff College. Now retired, Lieutenant Colonel Jones was assigned to Hq. Air Weather Service, Inspector General's office.

Former bugler promoted 15 times before retiring

Hq. AWS-- The caissons were rolling along, the motor pool used more hay than gas, and K.P. was pulled with a pitch fork in a barn. It was 1935 and Pvt. Murray O. Jones had just entered Company K, 17th Infantry Division, U.S. Army, as a bugler.

The starting pay of a private at that time was $21.00 per month. For the next 33 years Murray held every enlisted, warrant and officer grade from private to lieutenant colonel.

Colonel Jones spent his first 11 years of military service in the enlisted grades. He moved from private to master sergeant between 1935 and 42. During this span, Jones switched over to the Army Air Corps and eventually, the 3rd Weather Squadron.

Offered a reserve commission of second lieutenant in 1946, Jones removed his master sergenat stripes in 1948 and donned warrant officer bars. For the next six years he held W-2, W-3 and finally W-4 grades.

In 1958, Colonel Jones was offered a regular Air Force commission and has since moved up to his present grade.

Most of the colonel's assignments with Air Weather Service over the past three decades have been as a weather analysis, forecasting and operations officer. He has served as detachment commander three times and as an operations officer twice.

Prior to closing out his career, July 31, the colonel was assigned to the Inspector General's office, Hq. AWS, as an inspection team chief.

Det. of twelve adds fourteen

OKLAHOMA CITY AFS, Okla--Fourteen new additions, in the form of a baby boy, a baby girl, and twelve puppies, came to a twelve man detachment here in a period of less than twenty-four hours. Master Sergeant John R. Tasetano and Airman First Class Michael G. Mitchell of Detachment 6, 29th Weather Squadron are the new fathers, and Airman Mitchell also has the puppies.

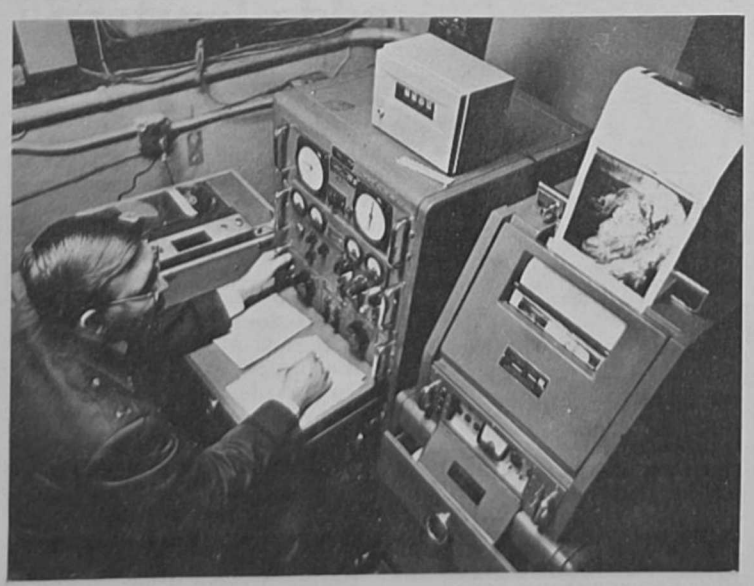
On the night of June 17-18, Airman Mitchell was a busy man. Around 10 PM one of his "mutts" had seven puppies--at 2 AM, another had five, and at 6 AM, his wife Roselyn gave birth to an 8 pound, 14 1/2 ounce baby girl.

Unlike Airman Mitchell, Sergeant Tasetano had some sleep that night, but his wife Ruth had a 7 1/2 pound boy at 5:10 that afternoon, bringing the detachment total to fourteen.

Essa 6 provides AWS with accurate forecasts

BEST ANGEL--This helical antenna has been positioned by 5th Weather Wing personnel so it can receive the best signals possible from the ESSA 6 weather satellite. Satellite signals are properly filtered to separate picture information from static interference. (Air Force photo)

COLD FRONT, depicted as a white area, can be seen along the eastern coast of the United States. The coastline of the entire United States has been added after receipt over the facsimile machine to assist forecasters in locating weather systems.



FACSIMILE PICTURE of cloud cover photographed by Essa 6 receives the attention of forecaster, 1st Lt. Thomas P. Mickelson of Detachment 2, 5th Weather Wing at Langley AFB, Va. The tape recorder used for storage and reproduction of more copies can be seen. (Air Force photo)

Langley AFB, Va.--In eight hours a flight of three Tactical Air Command aircraft is scheduled to depart Langley on a mission requiring air refueling far out in the Atlantic Ocean.

Too much cloud cover could make hookup between tanker and fighter aircraft difficult because visual contact between the two must be made.

During the weather briefing prior to launch time, the forecaster indicates that an area some 50 miles south of the planned refueling zone should be almost clear and much more suited for the refueling operation.

The flight plan is altered accordingly, the mission flown and successfully completed.

This is just one of many types of operational forecasts which are made daily by the highly skilled meteorologists of Air Weather Service's Detachment 2, 5th Weather Wing at Langley.

The advent of the weather satellite program has proved invaluable in increasing the accuracy of this vital weather information.

The nation's newest and most sophisticated weather satellite is Essa 6.

It was launched into a predetermined 900 mile high north-south orbit to make about 12 1/2 revolutions a day and move to the west about 29 degrees during each cycle.

This satellite is tubular shaped with cameras mounted in both ends. A new picture is taken every 5 minutes and 52 seconds.

The image is transmitted directly, line by line, to receiving stations below. AWS has 43 fixed stations, mobile and transportable vans, and remote recorders located throughout the world.

Alerted by a programming message, the Langley weathermen position their 14-foot high helical antenna to receive the best signal from the satellite as it passes high overhead.

The signal is properly filtered to separate picture information from static and then divided.

One part goes directly to a facsimile recorder. The picture appears on a special direct-recording, electro-sensitive alfax paper, using electricity as the ink. Recording is instant with no delay for photographic processing, similar to the process used for newspaper wirephotos.

The other signal is fed to a tape recorder for storage and reproduction of more copies for distribution to other customers on base.

Within minutes after the satellite passes, a complete picture of weather patterns of several million square miles is in the hands of Langley forecasters.

However, these facsimile recorded photos are not yet ready for operational use.

First, they must be "gridded" on a special plotting board, so that the geographical area they cover can be identified.

Interpretation of the picture itself then follows. The forecaster locates the position and extent of any fronts, cloud cover areas, cyclonic storms, jet streams, severe weather patterns, tropical storms, sea-ice conditions, or snow cover.

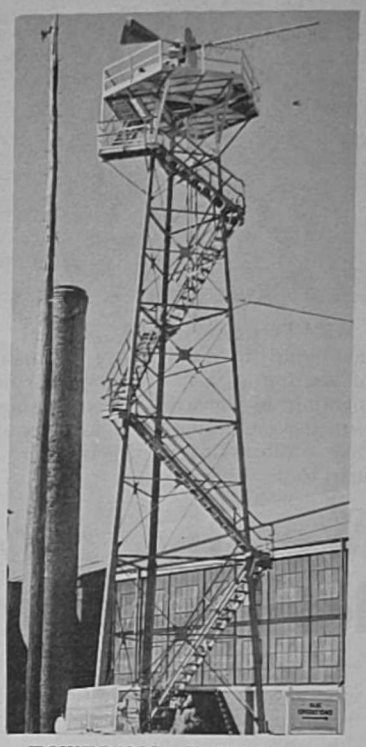
He projects systems movements based upon current and past pictures and from other observations and data and makes his forecast.

This satellite photo information is expecially valuable in the vast overwater locations or in remote areas of countries where conventional weather network information is not available.

These observational voids have long been recognized as a major detriment to accurate forecasting in many areas of the world.

Meteorologists can, by using these photographs, visually note the width of frontal weather, the activity associated with cyclonic circulations, the formation intensification, and dissiptation of migratory storms, and many other phenomina previously envisaged only in the "mind's eye" by use of scattered ground observations.

Thus, by careful analysis of photos from these high-flying weather satellites, the military and civilian forecasters throughout the world can provide more accurate and valuable operational products for their customers.



TOWERING TOWER serves as base for 14 foot helical antenna. This antenna is used to pick up signals from Essa 6 as part of the Automatic Photo Transmission program.

SSGT WILLIAM E. GREEN, a Langley forecaster, (Det 2, 5 Wea Wg), checks a weather picture just received from a satellite.

PRIDE award to Spain unit

TORREJON AB, Spain – In recognition of their achievements during 1967, the 21st Weather Squadron's Field Maintenance Shop (FMS) won the MAC PRIDE Unit Award.

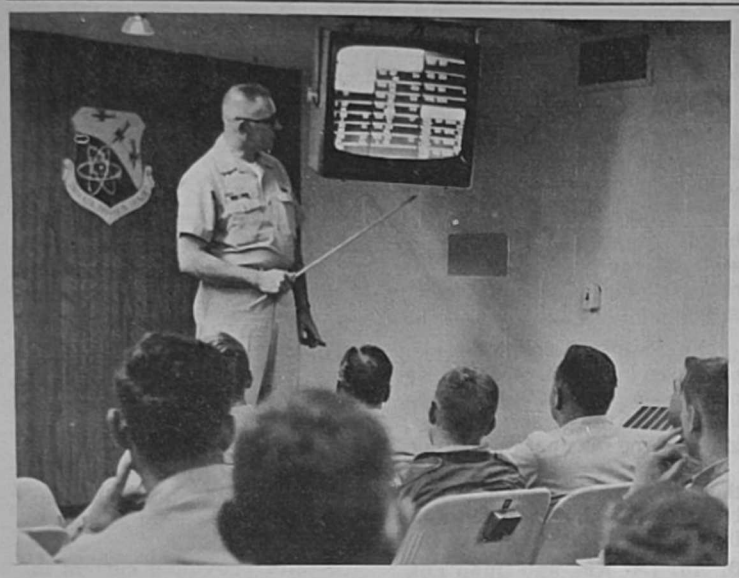
Headed by CWO(W-4)George E. McGuire, the 21st Wea. Sq. FMS provides field level maintenance support to detachments and operating locations of the 7th, 21st and 31st squadrons throughout Spain, Libya (North Africa), Italy, Greece and Turkey.

56th holds open house

YOKOTA AB, Japan – More than 600 people attended the recent 56th Weather Reconnaissance Squadron's open house.

Activities included a fly-by of F-4C Phanton jets, remote-control airplane demonstration and repeated take-offs and landings by WC-135B and RB-57F aircraft which were flying training missions.

Retirement ceremonies for Lt. Col. Elmer R. Bergmann, chief of 56th WRS aircrew standardization, followed the air show.



WEATHER BRIEFINGS ON TV– Lt. Col. Sam Corn, director of operations, 124th Fighter Group, briefs a group of Idaho Air Guard pilots with the use of a new closed circuit TV unit. Weather information along with other essential information is displayed on the screen. Before this, information was transferred from one chart to another by means of telephone and intercom.

Forecasters Jamboree won by Det. 21, 24th Wea. Sq.

RANDOLPH AFB, Tex.–Webster's New Dictionary defines "jamboree" as "a hilarious party" or "an international boy scout meeting." The jamboree recently held by the 24th Weather Squadron was anything but hilarious for the forecasters of Detachment 21, 24th Wea. Sq.

After three months of competition, the detachment came out on top in the first annual 24th Wea. Sq., Forecasters Jamboree. For making better forecasts, Det. 21 received the 18 inch tall forecasters trophy, which will be retained by the unit until next year.

Each detachment issued daily forecasts of various meteorological boundaries for its local area and for a common location assigned by the 24th. Scoring was done by 24th personnel according to established rules.

The jamboree was developed by the 24th to develop pride in the highly sophisticated forecasts produced and to help publicize forecasting personnel of the squadron.

Competition was between the squadron's 18 detachments, divided into two leagues of nine detachments each; three rounds of competition were scheduled, running from November 1967 through January 1968.

Forty-seven other squadron achievement awards were presented to participating detachments for distinctive performance during the Jamboree.

NCO lauded by Wea. Bureau

CHARLESTON, W. Va. – Aided by an Air Weather Service NCO, the Charleston, W. Va., Weather Bureau, came to the aid of this community recently, when a fire caused the accidental release of a large quantity of chlorine gas. An area containing 15 to 20 thousand Charleston residents was evacuated for precautionary measures.

MSgt. James R. Gurlen, an advisor with the 167th Weather Flight (Air National Guard), volunteered his services to the Weather Bureau office after learning of the accident. He secured necessary weather equipment from the weather flight for atmosphere observations near the gas fumed area.

With the air in the upper atmosphere motionless at the time of the gas release, estimates of the movements of the fumes were difficult. Pilot balloon observations performed by Sergeant Gurlen provided useful data to Weather Bureau forecasters for making correct judgments.

In a letter from the local Weather Bureau office to Brig. Gen. Russell K. Pierce Jr., Air Weather Service commander, Sergeant Gurlen was praised for his voluntary contribution in assisting the WB in averting this possible disaster.

Suggestion nets sergeant $25

KIRTLAND AFB, N. M.— TSgt. Hazen E. Nall, 58th Weather Reconnaissance Squadron, here, is $25 richer, thanks to a suggestion he submitted to the Military Suggestion Program.

Sergeant Nall built a starter case, which is being used to store pre-serviced starters so they will be available when needed.

The RB-57C, a primary aircraft used by the 58th requires an explosive charge to start the engines. In some cases this charge does not function properly, necessitating a change of the starter, which led to Sergeant Nall's idea.

Basic purpose of the starter case is to have the starters available when needed to avoid mission delay.

His suggestion has been adopted by the Military Airlift Command and is presently in use.

55th major gets DFC 3 years late

McCLELLAN AFB, Calif.— Almost three years after the flight, Maj. Robert L. Burns, 55th Weather Reconnaissance Squadron, here, was finally available to be presented the Distinguished Flying Cross (DFC). The major was awarded the medal for extraordinary achievement as a C-123 crewmember while stationed in Vietnam.

In July 1965, Major Burns, then with the 311th Air Commando Squadron, Phan Bang AB, RVN, flew a series of emergency resupply missions to Cheo Reo Army Airfield. At the time of the flights the airfield was under constant threat of enemy attack and suffering from adverse weather conditions.

Despite the hazardous conditions, Major Burns flew a total of 13 combat sorties during a 14 hour period, thus greatly aiding in the defense of the area around Cheo Reo.

Since 1965, mission committments, reassignments and temporary duty trips constantly kept Major Burns unavailable for scheduled awards and decoration ceremonies.

At the ceremony, Major Burns was presented his DFC by Col. Felix G. Brenner, 9th Weather Reconnaissance Wing commander. He also received the 15th through the 20th Oak Leaf Cluster to the Air Medal.

Photo contest needs entries

Hq. AWS-- September photo contest subject is "Combat readiness". So far no 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 with a brief description to OBSERVER Photo Contest (AWFOI), Scott AFB, Ill., 622-25. 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 and the winner will receive a $25 U.S. Savings Bond.

Photo subjects for October, November and December are Weather Phenomena, Love and Air Power, respectively.

All AWS personnel and their dependents may enter the contest.

Bronze Star

Sgt. John K. O'Keefe, Det. 10, 8th Weather Squadron, Westover AFB, Mass., has been presented the Bronze Star for meritorious service in Vietnam.

A ground radio operator, Sergeant O'Keefe was cited for professional ability, sound judgment and enthusiasm in overcoming many problems.

AWS join Brazilians, support 1370th PMW

FORBES AFB, Kansas–Two Air Weather Service forecasters and the Brazilian Weather Service have joined forces to forecast weather conditions in Brazil Bolivia and Paraguay. This joint effort is being performed so aerial photographers of the 1370th Photo Mapping Wing can photograph the region.

The forecasters, MSgt. Gene L. Swenson, Detachment 3, 15th Weather Squadron, and TSgt. John T. Pacek Jr., Det. 5, 15th Wea. Sq., are assigned to the photo mapping wing's Aerial Survey Team 10, Brasilia, Brazil.

To supply accurate forecasts, the weathermen are using photos taken by the Essa 6 weather satellite. These photos are received by a weather satellite tracking van located at Brasilia.

"We receive a message each day giving us the coordinates of the weather satellite and the time it will pass over our area," explained Sergeant Swenson. "On each pass we receive three pictures showing cloud conditions. From the pictures, high and low pressure areas can be identified and their movement traced. Also, the effect they will have on weather here in Brasilia can be predicted."

"The satellite is between 300 and 500 miles when it passes over South America," said Sergeant Pacek. "We receive signals from the satellite for approcimately 20 minutes."

"The satellite takes a picture, converts it to radio signals which the van receives and transposes back into picture form," continued Sergeant Pacek. "The signals are recorded on magnetic tape and from this we make a second set of pictures which are provided to Brazilian Air Force Weather Forecasters for their use."

After the photographs are received, the weather forecasters mark the longitude and latitude on each photograph in order to pinpoint its location.

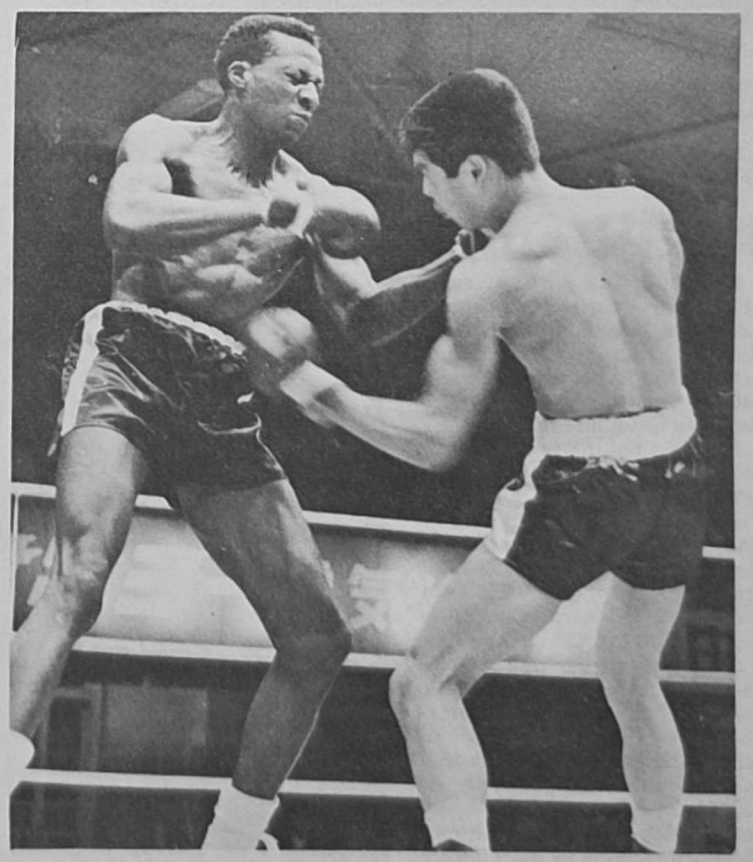
Surface weather observations are received daily from the Brazilian weather observers. These observations include atmospheric pressure, relative humidity, wind speed and direction.

Using these local reports, plus the weather satellite pictures, weathermen forward this information to personnel of the Aerial Survey Team, who in turn relay the data to operational aircraft crews of the 1370th PMW in the area.

Bronze Star

TSgt. Travis L. Greening, OL-5, Det. 6, Hq. Air Weather Service, Nashville, Tennessee, has been awarded the Bronze Star for meritorious service.

August photo contest winner



IN THE BREADBASKET-- Sports is the subject of this month's photo contest. Taking photo honors is SSgt. Robert M. Smith, Detachment 9, 29th Weather Squadron, Duluth Airport, Minn. The photo depicts Sgt. George Carter taking a left to the stomach from an unknown Japanese boxer in a Tokyo, Japan boxing match. Camera was a Pentax, lens setting F 5.6 with a speed setting of 250. Carter won the bout. (Air Force photo)

Pictures sent via telephone by use of electrowriter

Weathermen can now send pictures by telephone. Sound Impossible? Not with a new remote briefing system based on a machine called the Electrowriter.

In the past, pilots requiring a flight clearance briefing and who were any distance from a base weather station had to get his briefing by phone from the nearest detachment. Since the weather forms were filled out with verbal instructions it created several problems.

Accuracy under such conditions was questionable. Also, developing weather patterns are often difficult to describe over a telephone, without reference to a chart illustrating frontal conditions and winds. Finally, in order to counteract these problems, trained forecasters were often used in areas where a full-time forecaster is not needed.

To solve these problems, the Electrowriter was developed. First installed at the base weather station at Scott AB, Ill., under Detachment 21, 15th Weather Squadron, in 1967, the system was connected to the 131st Tactical Fighter Squadron at the Robertson Air National Guard base, some 30 miles from Scott.

Basically, the remote weather briefing system actually consists of two separate communications channels operating simultaneously. The Electrowriter using the first of these channels allows any written or drawn data to be transmitted instantly over any ordinary telephone line to a receiver any distance away, where it is recorded in ink on a preprinted form. Both the AUTOVON and WATS systems may be used.

The second channel is an ordinary phone call. By placing two phone calls, a pilot may receive a series of two maps depicting synoptic and enroute data and two data fromes containing take-off and terminal data. At the same time, he is briefed on significant conditions illustrated on the maps before him. The pilot takes his copy of the maps with him for in-flight reference.

Ramstein NCO third in MAC CRP contest

RAMSTEIN AB, Germany– MSgt. Edward H. Cruey, 31st Weather Squadron, was second runner-up recently in the Military Airlift Command Cost Reduction and Management Improvement emblem contest.

More than 125 entries were received during the month-long competition sponsored by MAC for all military and civilians in the command. This contest was another vital part of the Management Improvement Program whose goal is to reduce costs and to increase effective management.

Sergeant Cruey, an inventory management supervisor, received other awards in connection with his interest in the Cost Reduction and Management Improvement Program in the 21 months that he has been assigned to the 31st. He has received a Certificate of Achievement from this program in addition to a MAC Gold PRIDE Award for his endeavors.

Elmendorf sergeant is AECP bound

ELMENDORF AFB, Alaska– SSgt. George Smith, Detachment 13, 11th Weather Squadron, didn't graduate from high school, but in September he will attend the University of Oklahoma in quest of a degree.

Sergeant Smith's success story in the field of education began when he dropped out of a Charleston, S.C. high school. Shortly afterward he joined the Air Force and received a high school equivalence diploma through the General Education and Development Program.

Smith's next step in the education field came in 1966, while stationed at Elmendorf, Alaska. The young weather observer began taking college courses with the University of Alaska at Elmendorf, and has since compiled 76 semester hours of college credit in his off-duty time.

Selected by the Air Force Institute of Technology for the Airmen Education and Commissioning Program, Sergeant Smith will seek a degree in business administration with a major in accounting.

PART-TIME WEATHER GIRL-- As part of the Youth Opportunity Campaign, Wilhelmenia C. Evans is one of 225 high school and college students employed at Ft. Meade, Md. At Det. 4, 16th Weather Squadron, Wilhelmenia records the latest weather forecast on the automatic answering telephone. Miss Evans is a student at Morgan St. College, Md.

Major Quelch contest winner

LANGLEY AFB, Va.– Maj. William H. Quelch Jr., 5th Weather Wing, recently took first and third place honors for black and white prints in a Newport News, Va., photograph contest.

Major Quelch's winning entries were entitled "Heidelberg" and "Venice." He won second place honors for a color transparency titled "Sacre Coeur Basilica, Paris."

The contest, which was sponsored by the James River Camera Club, was arranged by newspaper personnel of the Newport News Times-Herald.

Combat weathermen assist Army's 1st Infantry Division

PHU LOI, Vietnam–Weather is a subject often taken for granted, but it plays an important role in combat operations. Providing weather coverage for men of the 1st Infantry Division is the responsibility of Air Force combat weathermen assigned to the 5th Weather Squadron at Phu Loi.

The Phu Loi weather center provides information about atmospheric and climatic conditions which affect 1st Inf. Div., ground and air operations.

The chief weather officer for the Big Red One is Capt. Herbert Weigl Jr. Everyday his weather teams, located at Phu Loi, Di An, Lai Khe and Quan Loi, make observations of local weather conditions. The observations are forwarded to the center at Phu Loi, where forecasts are made.

Phu Loi combat observers make observations of the temperature, relative humidity, atmospheric density, wind velocity and visibility. This data, along with information from combat weather teams at Lai Khe, Di An and Quan Loi, is forwarded to Phu Loi by "hot line" telephone, and used to compile a 24-hour forecast for the 1st Inf. Div., area.

The completed forecast is forwarded to the Big Red One tactical operations center at Lai Khe and by teletype to 1st Weather Group at Tan Son Nhut air base.

The 1st Weather Wing in Hawaii, which provides long-range forecasts for the entire Pacific area, also receives the information.

Another function of Big Red One combat weather teams is to provide information about high-altitude winds to the Air Force Forward Air Command at Phu Loi for air strikes. In addition, these teams assist helicopters and airplanes to land in bad weather.

All Air Force weather personnel serving with the 1st Inf. Div., are specially trained at Chanute AFR, Ill., and prepared for service in Vietnam at a two-week survival school at Ft. Sill, Okla.

Besides providing current information on weather in the Danger Forward area (1st Inf. Div., call name), combat weather teams are compiling a reference file for further use on weather conditions and patterns.

Legion of Merit to Colonel Pitt

FT. MONROE, VA. -- **Col. Lewis A. Pitt, new commander of the 16th Weather Squadron, has been awarded the Legion of Merit for meritorious service as commander of the 7th Weather Squadron, Heidelberg, Germany.**

Among his numerous accomplishments as commander of the Heidelberg squadron, were development of new operational weather concepts for the support of large scale exercises and designing of a mutual educational program between Army and Air Force.

In addition to his duties as commander of the 16th, Colonel Pitt also serves as staff weather officer to the U.S. Continental Army Command.

OPENING CEREMONIES-- Mrs. Frank Turco (second from right), Pope AFB, N. C. Officers' Wives Club president and wife of Maj. Frank Turco, commander, Det. 20, 3rd Weather Squadron, officially opens the Pope AFB branch of the Ft. Bragg commissary. From left are Lt. Gen. R. H. York, Ft. Bragg commander, Mrs. J. M. Rowe, Pope AFB NCO Club parliamentarian, Col. W. L. Adams Jr., Airborne Corps G-4 and Col. C. B. Slaughter, 464th Tactical Airlift Wing commander.

(Air Force photo)

Conference is slated at Fuchu

FUCHU AS Japan – A Pacific weather intercept conference has been scheduled for Fuchu AS, Japan this month. Sponsored by the 1st Weather Wing and hosted by the 20th Weather Squadron, the conference will be attended by weathermen from the U.S. Navy and Air Force as well as U. S. Pacific Allies.

Objectives of the conference will be to improve methods for the collection and transmission of weather data to meet the operational needs of local and regional agencies. Discussions will center around methods of improving the collection of weather data from available foreign broadcast stations in the Asian-Pacific area.

Allies to be represented at the conference include Japan, Philippines and Guam.

Other topics set for discussion include the interservice handling of foreign weather data for redefining the responsibilities of each Air Force and Navy intercept location.

Commendation Medals

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

Col. Sidney A. Bird Jr., (First Oak Leaf Cluster), 8th Wea. Sq.

Lt. Col. Melvin B. Cobb, (First Oak Leaf Cluster), 9th Wea. Sq.

Lt. Col. Percy M. Floyd Jr., Det. 56, 6th Wea. Wg.

Lt. Col. James G. Howcroft, OL-10, Hq. AWS.

Lt. Col. Harold L. Griffith, (First Oak Leaf Cluster), Hq. 1st Wea. Wg.

Lt. Col. Murray O. Jones, Hq. AWS.

Lt. Col. Fred W. Pope, (First Oak Leaf Cluster), Det. 13, 8th Wea. Sq.

Lt. Col. William A. Sanders, OL-7, 16th Wea. Sq.

Lt. Col. Leonard V. Santoro, Hq. AWS.

Lt. Col. Louis W. Zanolli, (First Oak Leaf Cluster), Det. 11, 26th Wea. Sq.

Maj. Billie F. Boyd, ETAC.

Maj. Walter R. Brett, (First Oak Leaf Cluster), Hq. 1st Wea. Wg.

Maj. Jesse A. Burleson, 31st Wea. Sq.

Maj. Golden R. Farr, ETAC.

Maj. Gene I. Hollingsworth, (First Oak Leaf Cluster), 53rd Wea. Recon. Sq.

Maj. John G. Joern, (First Oak Leaf Cluster), Det. 25, 10th Wea. Sq.

Maj. Richard K. McNab, 57th Wea. Recon. Sq.

Maj. Castor Mendez-Vigo, (First Oak Leaf Cluster), ETAC.

Maj. John a. Owens Jr., Det. 13, 11th Wea. Sq.

Maj. David Richardson, Det. 50, 2nd Wea. Wg.

Maj. William V. Yelton, 53rd Wea. Recon. Sq.

Capt. Raymond E. Anderson, staff weather officer and detachment commander, 30th NORAD Division.

Capt. Charles F. Blount, 54th Wea. Recon. Sq.

Capt. Francis A. Hendryx, (First Oak Leaf Cluster), Det. 1, 55th Wea. Recon. Sq.

Capt. Kerry P. Kicklighter, 53rd Wea. Recon. Sq.

Capt. William H. Lorimer Jr., 57th Wea. Recon. Sq.

Capt. Santos Pantoja, (First Oak Leaf Cluster), Det. 6, 5th Wea. Wg.

Capt. John V. Ripper, 58th Wea. Recon. Sq.

Capt. George S. Sutton, 58th Wea. Recon. Sq.

Capt. Cam J. Tidwell Jr., Det. 20, 3rd Wea. Sq.

Capt. Donald R. Van Natter, Det. 3, 9th Wea. Sq.

First Lieutenant Neil D. Mc Quage, ETAC.

CWO Kenneth O. Gunderson, 2nd Wea. Sq.

CWO Frederick B. Haymond, (Second Oak Leaf Cluster), Det. 2, 9th Wea. Sq.

CWO William F. Husmann, 2nd Wea. Sq.

CWO Richard A. Williamson, 55th Wea. Recon. Sq.

CMSgt. Carl K. Clay, United States Air Force Satellite Control Facility.

CMSgt. George E. Conley, (Second Oak Leaf Cluster), Hq. 2nd Wea. Wg.

CMSgt. Willard M. Flowers, (First Oak Leaf Cluster), 58th Wea. Recon. Sq.

CMSgt. Albert E. Gaylord, (First Oak Leaf Cluster), OL-1, 1st Wea. Wg.

SMSgt. Joseph H. Black, United States Air Force Satellite Control Facility.

SMSgt. Herman L. Byrd, 53rd Wea. Recon. Sq.

SMSgt. Elbert O. Peay, (First Oak Leaf Cluster), Det. 14, 20th Wea. Sq.

SMSgt. John S. Wojtiw, Det. 5, 1st Wea. Wg.

MSgt. Earl E. Barker Jr., 6th Wea. Sq. (Mobile).

MSgt. Troy K. Carlisle, Det. 22, 26th Wea. Sq.

MSgt. Leonard A. Cannon, Det. 3, 29th Wea. Sq.

MSgt. Elburn A. Covert, Det. 43, 7th Wea. Wg.

MSgt. Carl E. Hall, Hq. AWS.

MSgt. Kenneth F. Ketchum, (Second Oak Leaf Cluster), Hq. 7th Wea. Wg.

MSgt. Franklyn C. Lewis Jr., Det. 25, 6th Wea. Wg.

MSgt. Ronald G. Manning, 6th Wea. Sq. (Mobile).

MSgt. Robert D. Olson, 2nd Wea. Sq.

MSgt. Merlin L. Plisch, (First Oak Leaf Cluster), 6th Wea. Sq. (Mobile).

MSgt. Willie F. Williams Jr., 16th Wea. Sq.

MSgt. Thomas J. Wright Jr., 58th Wea. Recon. Sq.

MSgt. Ernest A. Ziegler, 53rd Wea. Recon. Sq.

TSgt. Robby A. Bradley, 58th Wea. Recon. Sq.

TSgt. Edward H. Cooper, Det. 21, 15th Wea. Sq.

TSgt. Theodore H. Decker, (First Oak Leaf Cluster), Hq. 1st Wea. Wg.

TSgt. Robert G. Ferguson, Det. 3, 9th Wea. Sq.

TSgt. James F. Flanigan, 7th Wea. Sq.

TSgt. John W. Hogg, Det. 2, 53rd Wea. Recon. Sq.

TSgt. Willard H. Hogsed, 56th Wea. Recon. Sq.

TSgt. Glenn H. Hughes, Det. 2, 11th Wea. Sq.

TSgt. George R. Nash, Det. 20, 31st Wea. Sq.

TSgt. James S. Parish, (First Oak Leaf Cluster), Det. 36, 7th Wea. Wg.

TSgt. Norman A. Petersen, Det. 4, 35th Wea. Sq.

SSgt. Kendall R. Adams, 9th Recon. Wg.

SSgt. Gilbert D. Barton, Det. 34, 26th Wea. Sq.

SSgt. Caleb Brunson, Det. 6, 9th Wea. Sq.

SSgt. Eddie Dickens, 1st Wea. Grp.

SSgt. Bobby W. Hand, 58th Wea. Recon. Sq.

SSgt. Joe L. Harkham, while assigned to Cam Ly Airfield, Vietnam.

SSgt. Leonard L. Hill, Hq. AWS.

SSgt. Roger A. Poppert, Det. 21, 15th Wea. Sq.

SSgt. Richard C. Rablin, Det. 34, 26th Wea. Sq.

ON THE *skew-T*

Highlights of Air Weather Service people at work and play.

AWS Global Report

Kirtland AFB, N. M.

TSgt. Ray R. Esquibel, 58th Weather Reconnaissance Squadron, has been named squadron NCO of the Month for August.

NCOIC, Maintenance supply laison section, Sergeant Esquibel was cited for effective managerial, organizational and leadership skills.

WEATHER WAF—Appearing in a recent issue of the Air Force Times was A1C Veronica Mercer, an inventory management specialist with the 9th Weather Reconnaissance Wing, Mc Clellan AFB, Calif. Veronica appeared in the Fair Force section of the July 31, edition of the publication. (Air Force photo).

Ft. Meade, Md.

Capt. Martin W. Ledwitz, Det. 4, 16th Weather Squadron, has been presented the MAC Bronze PRIDE Award for outstanding performance from Jan. 1, 1968 to Mar. 31, 1968.

Captain Ledwitz is Det. 4 commander.

North Bay, Ontario, Canada

Mr. Alvin D. Dow, has been awarded a North American Air Defense Command (NORAD) certificate of achievement for meritorious service while assigned as chief, Current Operations Branch, 4th Weather Wing, Colo.

Ramstein AB, Germany

TSgt. Bobby J. Vance, 31st Weather Squadron, was recently presented $596 for a suggestion he proposed to the Military Suggestion Program.

He invented a device which can calibrate temperature and humidity measuring equipment more economically and accurately.

Flight surgeon nominated for Jaycee award

Hq. AWS—Capt. George S. Sutton, U.S. Air Force's Flight Surgeon of the Year and flight surgeon for the 58th Weather Reconnaissance Squadron has been nominated by MAC as one of the Junior Chamber of Commerce's Ten Outstanding Young Men of the Nation.

Sutton was first selected by Hq. Air Weather Service and his name was submitted by Hq. Military Airlift Command for possible consideration. After being selected by MAC, Captain Sutton's name was forwarded to Air Force headquarters for possible nomination by the Air Force Chief of Staff, Gen. J. P. McConnell.

The Ten Outstanding Young Men of the Nation Program is sponsored by the JC of C of the United States. Selection is made by a special committee of prominent citizens and presentation is made at a special mid-year meeting.

The actual award consists of a certificate and a small copyrighted silver statuette of two vertical hands outstretched to meet. It is inscribed "The Hope of Mankind Lies In The Hands of Youth and Action."

The Air Weather Service Observer regretfully announces the death of Capt. Andrew D. Walker, Hq. AWS, on July 30, 1968.

The cause of death has not been determined.

Retirees

The following AWS men are July retirees:

Col. Sidney A. Bird Jr., Lt. Col. Fred W. Pope, Lt. Col. Percy M. Floyd Jr., Capt. Donald R. Van Natter, CWO Leslie L. Britten, CWO Kenneth O. Gunderson, CWO Frederick B. Haymond, TSgt. Gaylord L. Birk, TSgt. John L. English and SSgt. Robert J. Veeser.

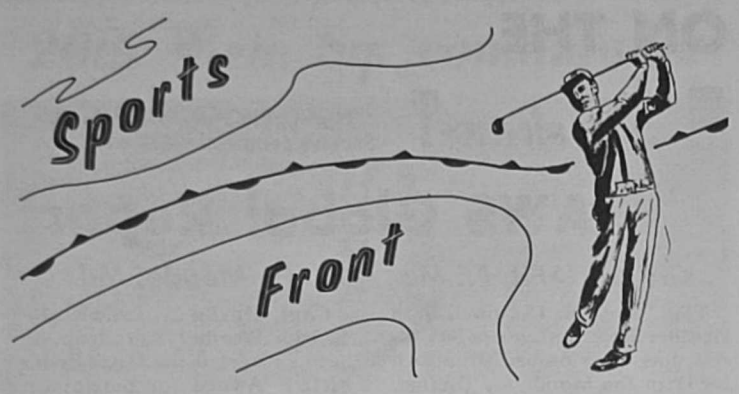
Marriages

WEST POINT, N.Y.—Lt. Col. and Mrs. Melvin B. Cobb, 9th Weather Squadron, announce the marriage of their son Lt. Jerald M., to Kathleen Marie Keane, daughter of Mrs. Lillian B. Keane, Tomkins Cove, N.Y.

The couple exchanged vows at West Point Holy Trinity Chapel. They are now residing in California.

FUCHU AS, Japan—Ex-Capt. Charlotte Russell, Det. 1, 20th Weather Squadron, is now Capt. (Mrs.) Frank O. Shefl.

They married in Japan and soon Captain (Mrs.) Shefl will be assigned to Travis AFB, Calif., while Capt. Frank Shefl will be at Korat Royal Thai Air Base, Thailand.



By A1C JESSE L. FREY

March NCO--Top Golfer

During the last year, MSgt. Phillip L. Gerster of the 9th Weather Squadron, March AFB, Calif., participated in six golf tournaments taking four first place trophies and two second place awards.

Sergeant Gerster has won the March AFB, Glasgow AFB and Bakalar AFB Championships in the past nine years.

In February 1968, he was winner of the Bermuda Dunes Military Tournament, in April he won the March AFB Club championship and in May he was winner of the Celebrity Golf Tournament.

When on the job, Sergeant Gerster is chief observer and training NCO at the 9th Wea. Sq.

Hq. AWS/7Wea. Wg. Nails CE

Hq. AWS/7th Wea. Wg. fast-pitch softball team came from behind to rack up 17 runs in the 5th inning of a regular season game with the Civil Engineering Squadron.

Pitcher, SSgt. Bob Collins of 7th Wea. Wg., recorded his third straight victory and third consecutive four-hitter. He also had the only home run of the game--a grand slam!

Capt. Francis House of Hq. AWS had the distinction of making all three outs in the historical 5th frame.

AWS is currently in fourth place in Scott AFB's 12 team circuit with an 11-6 record and eight games remaining on the schedule.

Typhoon Chasers take division laurals

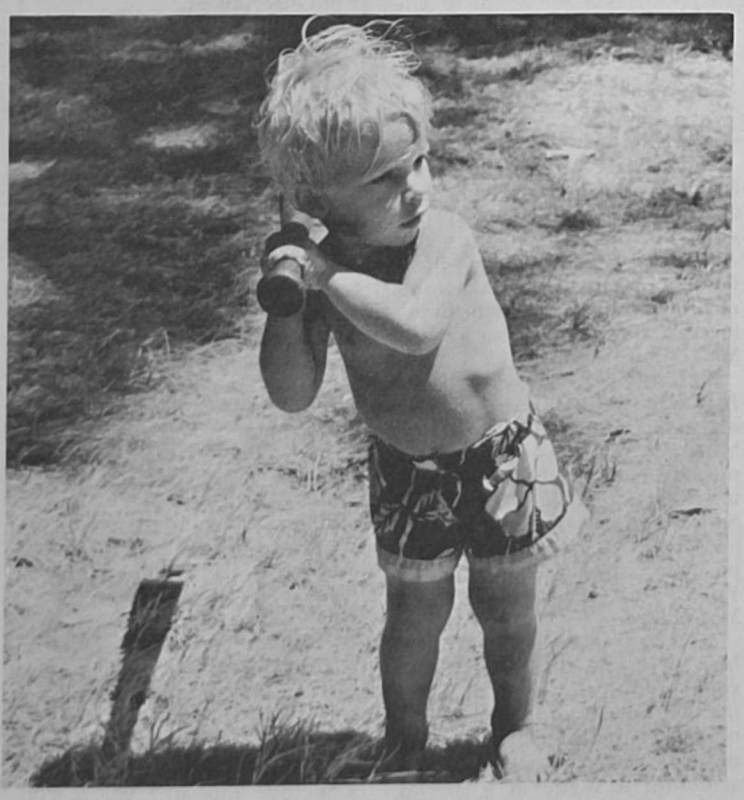
Andersen's 54th Weather Reconnaissance Squadron won the regular season American League division softball championship.

Although losing in the playoffs, the typhoon chasers placed three men on the base All-Star team. Capt. Will Williams, left field, had a season batting average of .341; MSgt. Ben Hurt, hurled the 54th WRS to 14 wins and three losses and A1C Chuck Gibson, third base, hit .382.

Bicycle Champion

Late last month, Sgt. Richard L. Frederick Jr., Det. 15, 15th Weather Squadron, Wright Patterson AFB, Ohio, won the "MATCH Sprint" State of Ohio Bicycle Championship at Columbus, Ohio.

By winning the Ohio championship, Sergeant Frederick qualified for the Olympic trials and National Championship to be held at the end of August in Los Angeles, Calif.



PINT SIZED BABE RUTH--Dwayne McFarlane, son of TSgt. Robert McFarlane, 57th Weather Reconnaissance Squadron, Hickam AFB, Hawaii, appears to be poised for a fast ball. Dwayne was taking part in the 57th WRS beach party held last month at Bellows AB recreational area. The picnic was in honor of the fine job done by the maintenance men of the 57th and also served as an all around get-together for squadron members and their families.

Crecelius

NCO rescues Idaho boy

MOUNTAIN HOME AFB, Idaho--What started out to be a family outing turned into a day to remember for SSgt. Paul Crecelius, Det. 36, 25th Weather Squadron.

Sergeant Crecelius and his family were at the Strike Dam picnic area for a detachment picnic. "I had just brought the boat in when Myron Orr," who works at the base, "came running up to me and told me there was a boy in trouble in the water." The sergeant and Mr. Orr immediately boarded the boat and headed for the stranded youth.

"We spotted the youth struggling in the water," said Crecelius, "and cut the engine so we could drift up to him. We'd already seen him go under once or twice."

After tossing him a life preserver, Creclius extended an orr and caught the 12-year old under the arm and pulled him to the boat. The two men treated him for shock and took him to the base hospital.

The hospital released the boy and Sergeant Crecelius gave him a tour of the weather station and aircraft.

Small gasket nets savings

MYRTLE BEACH AFB, S.C.-With a dime store item and a little ingenuity SSgt. John L. Haworth, Detachment 3, 3rd Weather Squadron has adapted a five-cent O-ring (a rubber circular gasket used to seal piping or electrical wiring) to repair recorder drive belts in radar cloud detecting units.

Sergeant Haworth first used the O-ring to secure the drive belt when the cloud detecting unit at the local weather detachment failed. This modification was subsequently submitted as a class 1C modification (a modification which can be approved at command level and does not change configuration of equipment involved) to Hq. MAC.

The modification is also being processed as a cost reduction item by Hq. AWS since a replacement drive belt costs $3.

For his ingenuity in Det. 3's preventive maintenance program, Sergeant Haworth was recently voted a MAC Gold Pride Award by the AWS PRIDE committee.

NFL's Coastal Division: looks like L.A. again

NFL FORECAST
Part 2

For the most part, Coastal Division competition should be mighty close. The awed Colts are starved for a title. If Unitas stays healthy, they'll give Los Angeles a run for their money. The Rams appear stronger than ever at all positions. Last year they led the NFL in scoring with 398 points.

San Francisco expects to improve overall, but that still may not be enough to better last years record. Atlanta still doesn't pose a threat to anyone in the division.

Listed below is the 1967 finish:

	W	L	T
1. Los Angeles	11	1	2
2. Baltimore	11	1	2
3. San Francisco	7	7	0
4. Atlanta	1	12	1

Los Angeles Rams

Rushing--Three deep in the backfield. Top men include Les Josephson who had 800 yds. for a 4.5 yards per carry average, Dick Bass gained 627 yards and Tommy Mason is available if his knee stays intact.

Passing--Roman Gabriel is looking better every game. Last year he completed 196 passes and connected for 25 tallies. Milt Plum was acquired from Detroit as a back-up and Gary Beban was drafted from UCLA. No problems in sight.

Receiving--Bernie Casey led in this department with 53 receptions for 871 yards. Jack Snow snagged 28 and Billy Truax 27.

Defense--Yielded opposition just 198 points last season which was best in the league. And they may be even better this year. The fearsome foursome may become the fearsome fivesome with Rosey Grier back. Deacon Jones, Merlin Olsen, Roger Brown and Lamar Lundy round out the potential front five.

Baltimore Colts

Rushing--Lenny Moore has retired, but the opposing defenses can't relax with the likes of Tom Matte, who led the team in rushing last year with 636 yds. and a 4.3 yd. per carry average, Tony Lorick and Jerry Hill.

Passing--They have the best there is! Unitas completed a fantastic 255 passes for 3,428 yds. and 20 TDs a year ago. Young Jim Ward is the understudy and was impressive although used very sparingly.

Receiving--Way above average! Richardson led team with 63 catches and 860 yds. Big John Mackey has no equal and Alex Hawkins, Jim Orr and Ray Perkins are complete ball players. They all fill the bill.

Defense--If they're any flaws, they haven't been spotted yet. They led the league in fewest TDs yielded (21) and most interceptions (32).

San Francisco 49ers

Rushing--Powerful! Ken Willard led all with 510 yds. He will have as running mates John David Crow, Doug Cunningham, Gary Lewis and rookie Dwight Lee.

Passing--Three deep at QB slot. John Brodie led passers last year completing 168. However, with a new coach, the position is up for grabs. George Mira and Steve Spurrier are capable field generals.

Receiving--Dick Witcher snagged 46 last season for 705 yds. Sonny Randle, Monty Stickles, Dave Parks and Kay McFarland are all steady receivers.

Defense--Are unsure here. Injuries hit them hard last campaign, but are hoping veterans and promising rookies knit together solid defensive unit.

Atlanta Falcons

Rushing--Junior Coffey needs some help! Coffey gained 722 yds. for a 4 yard gain per carry last year. The Falcons are counting on John Wright, a draftee from Illinois, to come to Coffey's aid.

Passing--Randy Johnson was last year's leader, but if he doesn't improve, Ron Vanderkelen may get the call. Not a promising crew.

Receiving--Acquiring Tommy McDonald sparked the receiving department, but after him there isn't much left. Rookies John Wright, Rich Eber and Ray Jeffords could add much needed punch.

Defense--Rush line is weak. Tom Nobis is definitely the only bright spot. Bob Riggle is a tough safety man. Most of the other spots could go to anyone.

Safety awards won

HICKAM AFB, Hawaii--Maj. Richard A. McNab and Capt. Rudolph Canto Jr., 57th Weather Reconnaissance Squadron, have been awarded MAC Outstanding Safety Achievement Awards.