

Automatic weather switch set for Pacific activation in March

Hq. AWS--The Air Force plans to activate another Automatic Digital Weather Switch (ADWS) in the Pacific next month, according to Hq. Air Weather Service and Air Force Communications Service officials.

The new ADWS, to be located at Clark AB, Philippines, will be operated and maintained by the 1961st Communications Group, for AWS's Detachment 5, 1st Weather Wing, as an integral part of the Air Force's Automated Weather Network (AWN).

Most of the equipment involved in the Clark operation came from an inactivated switch at Tinker AFB, Okla. The Oklahoma switch closed in October 1969 and its functions were transferred to a new ADWS at Carswell AFB, Tex. Another Pacific

weather switch is located at Fuchu AS, Japan.

The AWN, considered to be the most advanced weather communications system in existence, was pioneered jointly by AWS and AFCS and became operational in 1965. Some of the operational concepts developed for the network, such as the Message Distribution Library, have been adopted by the World Meteorological Organization.

Since AWN's beginning, AFCS has upgraded and expanded the network's facilities in order to automate the entire system. In addition to the new ADWS and the ones at Carswell AFB and Fuchu AS, another is at High Wycombe, England.

The overseas switches are equipped with UNIVAC 418 Central Processor computers for

collection of weather data from minor relay centers in their areas of the world. Everything that is gathered is immediately sent to the switch at Carswell, which comprises two high-speed UNIVAC 1108 digital computers.

The Carswell ADWS moves the data to the Air Force Global Weather Central at Offutt AFB, Neb. where experienced weathermen, aided by computers, prepare forecasts for virtually any spot on the globe. The finished products are sent back to Carswell and, in turn, relayed to the overseas switches for dissemination.

The Carswell switch is also connected to the National Meteorological Center/U. S. Weather Bureau at Suitland, Md., and the U. S. Navy's Fleet Numerical Weather Facility at Monterey, Calif.



THE FACIAL REFLECTION in the mirror of the TMQ-14 cloud height set belongs to Sgt. Larry E. Jackson, Operating Location 4, Detachment 32, 5th Weather Squadron, Cu Chi Airfield, Republic of Vietnam. Preparing to open the set is Capt. Andrew Cole, OL-4 commander.

ETAC employee named AWS civilian of year

WASHINGTON D. C. — Clarence B. Elam Jr., chief, Development and Evaluation Branch, Environmental Technical Applications Center, was recently notified of his selection as the Air Weather Service Civilian of the Year for 1969.

During the year Elam demon-

strated outstanding ability in providing high quality environmental service to numerous defense planning agencies, particularly the Department of Defense and the operational staffs of the U.S. Army and Air Force, which directly support the Southeast Asian conflict.

The Development and Evaluation Branch handled 47 separate projects in 1969. Of those, Elam accomplished or contributed significantly to 28.

One example of his efforts was

Dr. Fletcher presented AMS Brooks Award

HQ AWS — At its annual convention in Washington, D. C. the American Meteorological Society (AMS) presented one of its most distinguished awards to a scientist assigned to Hq. Air Weather Service.

The Charles Franklin Brooks Award for outstanding services to the American Meteorological Society—named in honor of the founder and first secretary of the society—was presented to Dr. Robert D. Fletcher "for two decades of unremitting and devoted service to meteorology and to the American Meteorological Society through his work on committees, as Councilor and as President."

Dr. Fletcher is presently the Deputy Chief of Staff, Aerospace Sciences, for Air Weather Service, a position he has held for over 17 years. He has served twice as an AMS Councilor (member of a board of governors) and was the society's president in 1956-57. He has served on a number of committees.

Dr. Fletcher, who lives at 135 Roger Drive, Lebanon, was attending a joint symposium commemorating the centennial of U. S. weather services and the golden anniversary of the AMS. Presentation of the award was made at the convention's honors luncheon at the Washington Hilton Hotel.

Two former AWS members also received AMS awards: Col. (USAF, Ret.) Arthur F. Merewether, former AWS commander (1940-42), was honored for outstanding contribution to the advance of applied meteorology and Harlan K. Saylor, a retired Air Force major, received the award for outstanding service by a weather forecaster.



Clarence B. Elam

Project 6149, which dealt with statistics on the icing of parked aircraft. The data was required to determine the amount of deicing fluid needed for planning operations from world-wide bases. Despite the fact that frost and icing statistics are not directly recorded on weather reports, Elam derived estimates from other meteorological parameters.

Information was provided for 129 bases throughout the world and was operationally evaluated during the year. Results were so useful that the requesting agency asked that similar data be prepared for over 500 airfields this season.

It is estimated that millions of dollars will be saved in allocating deicing fluid at USAF bases throughout the world by employing the weather factors developed by Elam.

A graduate of North Carolina State University with a degree in Engineering and a certificate of meteorology from Florida State University, Elam has been a federal employee since April 1959.

A native of Mocksville, Va., Mr. Elam and his wife, Elva, reside in Springfield, Va.



1870 - A Century of US Weather Services - 1970

VOL. 17, NO. 2

Headquarters, Air Weather Service, Scott AFB, Illinois

February 1970

General Best new AWS V/Comdr., Colonel Purdy now DCS/Operations

Hq. AWS — Recently promoted Brig. Gen. William H. Best Jr., a veteran military meteorologist, has been assigned as the new AWS vice commander. He replaces Col. Ralph G. Suggs, who has been named special assistant to Maj. Gen. Russell K. Pierce Jr., AWS commander.

Moving to occupy General Best's vacant spot as deputy chief of staff, Operations, is Col. Douglas C. Purdy, 7th Weather Wing commander. He was succeeded in that post by Col. Robert L. Kane 7th Wing vice commander.

General Best has served more than 25 years in AWS since his commissioning in 1943. He was 7th Weather Wing commander

from June 1966 to July 1967, at which time he assumed the position of deputy chief of staff, operations.

The general was among the first Air Force weather officers to attend the Institute of Meteorology at the University of Stockholm and has attended the Air Force's Air War College. He and his wife Evelyn have four

children, two boys and two girls.

Colonel Purdy had held his wing command since August 1967. His past assignments included four years on the faculty of the Air Command and Staff College and three years as the deputy assistant for weather, headquarters U. S. Air Force.

He and his wife Evelyn have two daughters.



PINNING STARS on the shoulders of Brig. Gen. William H. Best Jr., are Maj. Gen. Russell K. Pierce Jr., AWS commander and Mrs. Best. General Best recently assumed new duties as the AWS vice commander. The general's old job, deputy chief of staff/operations, has been filled by Col. Douglas C. Purdy, 7th Weather Wing commander.

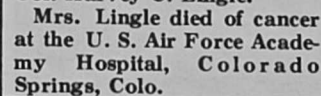
AFOUA authorized for Detachment 36 weather personnel

MOUNTAIN HOME AFB, Idaho — If you were assigned to Detachment 36, 25th Weather Squadron, here, from Aug. 1, 1966 to May 31, 1968, you are entitled to wear the Air Force Outstanding Unit award (AFOUA).

The award was won by the 67th Tactical Reconnaissance Wing and included those organizations which provided direct support to the 67th.

For further details, former Det. 36 members should contact the detachment as soon as possible.

February is proclaimed Weather Services month



Those honored were: Maj. Gary D. Clairmont and Captains Donald A. Girard and Curtis R. Nordan Jr., 55th Weather Reconnaissance Squadron; Maj. Henry M. Dyches and Capt. James P. Allenberg, 56th WRS; Maj. Raymond F. Hamilton and Capt. George A. Slaughter, 57th WRS; Maj. Edwin H. Hull and Capt. Philip K. Dunn, 58th WRS.



AIR WEATHER SERVICE

OBSERVER

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

Lessons To Be Learned:
Vehicle drivers must keep their vehicles clean and safe.

MAC gets new airmen advisor

Hq. MAC—Gen. Jack J. Catton, commander, Military Airlift Command, announced recently the selection of CMSgt. Robert M. Colpitt to become the new chief master sergeant of the Military Airlift Command, effective March 1, 1970.

Sergeant Colpitt will replace CMSgt. Conrad F. Stevens, who is being reassigned to the 553rd Tactical Reconnaissance Wing, Korat Royal Thai Air Base, Thailand. Sergeant Stevens has held this post since April 1967.

As the chief master sergeant of MAC, Sergeant Colpitt will represent all airmen assigned within MAC. Besides his duties as senior airman advisor to General Catton, Sergeant Colpitt will be visiting MAC bases in over 30 countries and will be getting the views of over 67,000 airmen and non-commissioned officers (NCO) assigned within the command. He will be called upon to brief the MAC Commander and all of the MAC sub-commanders through wing level.



DETACHMENT 2, 16th Weather Squadron, Fort Belvoir, Va., may be the only detachment in Air Weather Service to have three second lieutenants as the only officers assigned to a weather station. Capt. Edgar A. Gideons Jr., commander, Det. 4, 16th WS, Fort Meade, Md., has been assigned as acting commander of the unit until one can be assigned permanently. Lieutenants William C. Schillinger, David C. Trask and Randall B. Falzgraf (left to right), all forecasters, are reading a weather map.

Wxmen maintain readiness in no-notice Strike exercise

MACDILL AFB, Fla.—Strike Command this week conducted a three-day, no-notice training exercise at Ft. Campbell, Ky.

The exercise, Bold Shot 4-70, involved nearly 2,000 Army and Air Force personnel and some 50 military aircraft. Included were tactical operations by airlift and jet fighter forces of the Tactical Air Command; jet airlift aircraft of the Military Airlift Command; an airborne infantry unit of the Continental Army Command; and weather support by elements of the 5th Weather Wing.

A battalion of paratroopers from the 82nd Airborne Division, Ft. Bragg, N.C., was airlifted from Pope AFB, N.C., on C-130 Hercules and C-141 Starlifter transports.

Redeployment of the troops and equipment to their home stations also was accomplished by Air Force aircraft.

Bold Shot 4-70 was designed to maintain the high state of

readiness of Strike Command's Army and Air Force units through short-notice deployment of men and equipment to any problem area.

It was one of a continuing series of Strike Command training exercises which tests the operational readiness and capabilities of the command's tactical air-ground forces for contingency actions.

Sergeant Harlow visits detachment

FT. RUCKER, Ala. — Chief Master Sergeant of the Air Force Donald L. Harlow recently paid an unofficial visit to Detachment 9, 16th Weather Squadron.

Sergeant Harlow was at Ft. Rucker to attend his son's graduation from Army Warrant Officer Candidate Training.

Following his son's graduation, the Air Force's top sergeant toured Det. 9 facilities.

TV weathermen tour detachment

HILL AFB, Utah — Weathermen from the three major television stations serving the Salt Lake City, Utah area, recently accepted an invitation by Maj. Dwight W. Reilly, Detachment 6, 17th Weather Squadron commander, to tour his facilities at Hill AFB.

Following introductions the guests were briefed by chief forecaster Milton H. Page, who briefed the TV personalities on the detachment's mission capabilities and weather equipment. The weathermen were also given a tour of the detachment's representative observation site, where SMSgt. Billy S. Mills explained its operation.

Dividends for Det. 6's community relations venture paid off that evening, when all three television stations devoted four minutes of their late night news, weather and sports telecasts to run video-taped highlights of their tour.

Weather warning center closes, reopens under AFGWC at Offutt

KANSAS CITY, Mo. — In the west the sky grows dark, huge black storm clouds reach from horizon to horizon. The rain is coming down in sheets.

Suddenly, a swirling mass appears out of the blackness. Like a giant vacuum cleaner, the funnel-shaped beast sucks up anything it can tear loose: trees, buildings, animals. A tornado has struck.

For years the uncontrollable fury of the tornado was a real problem for America's Mid-and Southwest. Then, in 1948, two weather officers at Tinker AFB, Okla. successfully predicted a tornado's appearance. It was the beginning of a warning system which became invaluable in combatting treacherous storms.

A chain of developments commencing with the Severe Weather Warning Center, organized at Tinker in 1951, led to the existence of Detachment 42, 7th Weather Wing. On February 1, that existence ceased as Det. 42's functions were merged with the growing Air Force Global Weather Central, Offutt AFB, Neb.

It was in September, 1963 that Det. 42 became a centralized severe weather warning center and assumed its title as the Military Weather Warning Center (MWWC). A number of locations were tied into the center in Kansas City, providing a valuable give and take of information.

The detachment maintained a

high skill level through the use of civilian meteorologists, most of whom had military meteorology backgrounds. Supervision was supplied by Air Force weathermen. For over six years this efficient team kept watch for tornadoes and other severe weather, saving lives and property with timely and accurate forecasts.

The MWWC provided both general advisory severe weather warnings and more specific point forecasts. Now, in conjunction with AFGWC, the MWWC will be able to provide more rapid severe weather information and be able to do it more often. Its efficiency will increase and so will its value in the continuing battle between man and the weather.

Vietnamese forecasters being trained by VNAF

TAN SON NHUT AB, VIETNAM — In the first school of its kind, the Republic of Vietnam Air Force (VNAF), has begun training weather forecasters to supply its own needs.

The VNAF school, which started in October, expects to graduate 34 non-commissioned officer forecasters this month, and then its second class consisting of 25 officers will begin. After both classes complete their training, the VNAF Weather Branch will be at about authorized strength, except for some specialized areas including maintenance.

Equipment for the school was obtained by the 30th Weather Squadron and the Air Force Advisory Group. The 30th WS is responsible for assisting the VNAF in developing and maintaining its weather service, in addition to supporting Seventh

Air Force operations in Vietnam.

The forecasters' training follows on the heels of the first weather observer school which last year graduated 25 students. The observers are now at various VNAF bases throughout the Republic.

The forecasting school was developed by VNAF meteorologists who also teach most of the classes. Captains Harold C. Walker and John L. Moore assist in the instruction.

Captain Walker holds a bachelor of science degree in meteorology from Pennsylvania State University and a master's degree from Massachusetts Institute of Technology. Captain Moore holds a bachelor of science degree from the University of Oklahoma and a master's degree from the University of Michigan.

Unit batting a thousand with weather balloons

GOODFELLOW AFB, Tex. — Weathermen assigned to Detachment 31, 6th Weather Wing, Goodfellow AFB, recently completed the unit's ninth balloon flight this year. Four of the flights were launched in Panama, while the other five occurred here.

At Albrook AFB, Panama, balloons were launched to collect air samples for the Atomic Energy Commission. Two of the sampling units were recovered in mid-air by C-130 aircraft of the Aerospace Rescue and Recovery Service.

The first flight, which ascended to 80,000 feet, landed in one of the few open fields in Panama. The sampler was recovered by truck.

An unsuccessful attempt by the C-130 on the second flight, a 105,000 foot mission, required recovery by helicopter from a dense jungle. That effort took two days.

At Goodfellow, four of the five flights launched were released to

collect air samples at altitudes from 70,000 to 105,000 feet. All flights were successful, with recovery of the sampling systems carried out by truck.

The fifth flight, an experimental ascent to 70,000 feet, was flown to verify the operation of a new sampler inlet door. Protecting the sample from contamination during ascent and descent was of paramount importance to the weathermen. The flight was a partial success.

NCO reenlist five times at same base

Hq. AWS — When SMSgt. Harry J. Hamilton, Hq. Air Weather Service, reenlisted at Scott AFB, Ill., recently, it marked the fifth time in his 28-year career that he has received the oath of enlistment at this Military Airlift Command base.



CUTTING AN OPENING DAY RIBBON at the headquarters building of the recently activated 17th Weather Squadron, is Brig. Gen. James A. Hill, commander, 60th Military Airlift Wing, Travis AFB, Calif. Holding the ribbon is 17th WS commander, Lt. Col. (colonel selectee) Anthony J. G. Timmermans Jr., while Travis Base Commander Col. Vernon L. Chandler (center) observes. The new squadron is functionally aligned to support the 22nd Air Force with weather detachments at MAC and AFLC bases in the western half of the United States.



CHECKING THE HUMIDITY, TSgt. Billy F. McHenry (right), shows Republic of Vietnam Air Force (VNAF) SSgt. Nguyen Dinh Cuong readings on the temperature and humidity set

BIEN HOA AB, Vietnam—"Winds will be from the south to southwest at 5 to 15 knots. The probability of precipitation is 10 percent at Bien Hoa today. A high temperature of 93 degrees..."

This is a typical weather forecast from Detachment 3, 30th Weather Squadron, Bien Hoa AB, Vietnam.

The Air Force's 3rd Tactical Fighter Wing and the Republic of Vietnam Air Force (VNAF) 23rd Tactical Wing mission

Weather radar is one of the electronic instruments used to detect the location, size and movement of showers and thunderstorms.

Det. 3 personnel are aided by high-speed communications systems which connect their detachment with military and civilian counterparts. Computers calculate air pressure and wind flow from information provided by these sources in addition to the readings of the locally maintained instruments.

used inside the base weather observation tower. Sergeant McHenry is the chief observer at Detachment, 3, 30th Weather Squadron, Bien Hoa AB, Republic of Vietnam.

Knowing the approximate location of these two air masses, their particular characteristics and probable place they meet enables meteorologists to forecast when and where the weather change will take place," the weatherman continued.

"In the Republic of Vietnam there is only one air mass. Therefore, the potential for adverse weather may occur at any location, at any time. The solution for when or what the weather may be is not nearly as diffi-



USAF, VNAF weathermen work together at Bien Hoa

greatly depend on the weathermen's forecast.

"A thunderstorm sitting over a target impairs accuracy while similar conditions over the base can cause difficulty in landing," said Capt. Senator C. Raygor, chief forecaster with Det. 3.

Det. 3, commanded by Maj. Earl E. Sands, often may be taken for granted since its job is predicting the course of nature. However, the five officers and 13 enlisted men in Det. 3 research everything possible before they make their predictions.

Computer-driven plotting machines make weather maps for forecasters and are invaluable for compiling summaries.

"To understand our problems as forecasters in the Republic of Vietnam, the knowledge of how our weather differs from that in the United States will help," explained Captain Raygor.

"In the U.S. when warm and cold air masses meet, adverse weather such as snow, showers, sleet and thunderstorms form.

cult as the solution for where," the captain explained. "In other words, to forecast a thunderstorm today in a general area is fairly easy, but to pinpoint it is very difficult."

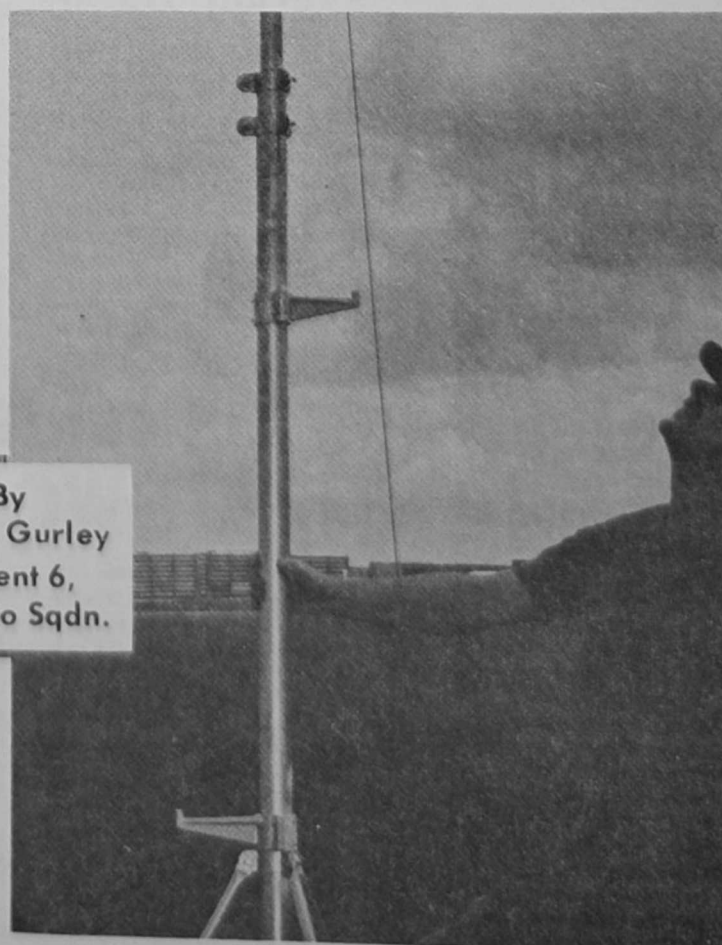
The weathermen of Det. 3 work with the VNAF weather detachment, also stationed here, to compile statistics and forecasts so the 3rd TFW and VNAF 23rd TW can continue their role of providing close air support for Allied troops in Vietnam.



WIND-WATCHING, Capt. Senator C. Raygor studies the changes in wind direction near Bien Hoa from the wind direction recorder in the base

weather observation tower. The captain is the chief forecaster at Detachment 3, 30th Weather Squadron.

Photos By
A1C John S. Gurley
Detachment 6,
600th Photo Sqdn.



WORKING TOGETHER, A1C Nguyen Hong Quan, top, an equipment technician with the Republic of Vietnam Air Force 23rd Tactical Wing and SSgt. Harold M. Bird Jr., an equipment technician with Detachment 3, 30th Weather Squadron, inspect a wind gauge.

Moon to stage daylight robbery on March 7

Hq. AWS - On March 7, 1970, weather permitting, literally millions of Americans will see one of nature's most spectacular phenomena—a total eclipse of the sun.

According to Capt. Gary G. Walch, aerospace science division, 6th Weather Wing, the eclipse will occur along a 65- to 100-mile wide path. It will move from the southwest to the northeast. Originating in the eastern Pacific the eclipse will move across southern Mexico then across northern Florida; the coastal plain of Georgia; the

coasts of South Carolina, North Carolina and Virginia; Nantucket Island; the Maritime Provinces and Newfoundland in Canada, and into the North Atlantic.

Although the total eclipse will be seen only within a 100-mile-wide path, a partial eclipse will be visible from virtually all of North and Central America, plus the northwestern section of South America. For persons living in the heavily populated eastern seaboard states the eclipse will be at least 90 percent total.

During the few precious

moments of totality, scientists will be busy making special observations of the sun's outer layers - impossible at any other time.

Of prime interest is the corona, the turbulent, gaseous outer atmosphere of the sun that extends millions of miles into space and is normally obscured by the brilliant light of the sun's photosphere, or visible surface.

Astronomers may also attempt daylight observations of Mercury, and hunt for faint comets in the vicinity of the sun normally blotted out by its intense light.

A total eclipse of the sun is caused when the moon passes directly across the solar disc. At its average distance from the earth the moon appears to have the same relative diameter as the much larger, but more distant sun.

In an eclipse, when the moon is at its greatest distance from the earth, its apparent disc is too small to cover the sun, thus producing an annular eclipse with a small ring of sunlight remaining visible.

By contrast, when the moon is near perigee, or at its closest approach to the earth, its apparent disc is much larger than the sun and the eclipse is of long duration.

The longest possible time of totality is 7 1/2 minutes. Most solar eclipses are much shorter; the March 1970 eclipse will average between 1 1/2 to 3 minutes of totality at different points along the central line of its path.

Within the path of totality an eclipse is an extraordinary sight. It begins about an hour before totality as the moon makes a limb of the sun. This darkening on the sun's face grows until the sun is reduced to a crescent.

As the solar crescent becomes thinner, small crescent-shaped patches of light may appear on

the ground. These are tiny reproductions of the sun's shape projected through the natural "pin-hole cameras" created by the gaps in leaves on trees.

Clouds begin to glow as at sunset, and - from the direction of the shadow - the sky darkens as if a storm were approaching.

Immediately preceding totality when only a hairline crescent appears at the eastern edge of the sun, the entire landscape may be bathed in trembling, rippling lines of light, called shadow bands, caused by atmospheric refraction of the disappearing crescent.

Finally, the crescent of light breaks up into bright points of light around the moon's black disc as sunlight bursts through the valleys and mountains on the lunar surface. These spots of light are called Bailey's Beads.

At totality, the Beads disappear and the land beneath the shadow is engulfed in darkness. The black lunar disc is set in a ring of rosy light - the sun's chromosphere - surrounded by still another ring of pearly white light - the corona.

Around the sun, planets shine brightly in the darkened sky. Sudden bursts of red light at the edges of lunar disc indicate the appearance of prominences or flares on the surface of the sun.

As totality ends, the entire process is reversed. The full eclipse cycle, from first to last contact of the moon, usually takes about 2 to 2 1/2 hours.

Observing the sun under any conditions - and particularly during partial eclipses - is extremely hazardous and demands special equipment and precautions. Except for the few moments of totality, the sun should not be observed either optically or with the naked eye without heavy filtering.

Test scheduled after eclipse

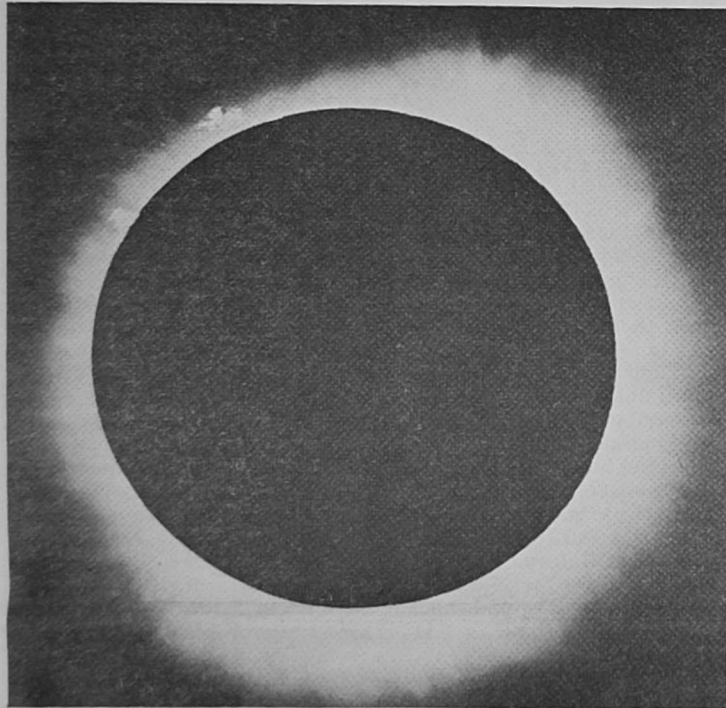
ENT AFB, Colo.,—As millions of spectators, scientists and astronomers gather along the eastern seaboard of the United States on March 7, 1970, to witness a total eclipse of the sun, a small group of 4th Weather Wing scientists will be anxiously waiting for the event to end.

The scientists are members of Air Weather Service's Solar Forecast Facility and Space Environmental Support System, both headquartered at Ent AFB.

Many scientific experiments will take place during this, the last major solar eclipse to occur over a large part of the U.S. until the year 2184. However, as far as members of the Solar Forecast Facility are concerned their job will be interrupted for the duration of this unusual event.

"We are primarily concerned with observing activities on the sun's surface and predicting their effects on the deep-space and near-earth environments," commented Col. Daniel H. Lufkin, Solar Forecast Facility commander. "Even though we have created a network of solar observing sites around the world to keep a constant watch on the sun under all kinds of weather conditions, nature does occasionally interfere with our plans and will be doing a good job of just that on the 7th of March," he concluded.

A partial eclipse will be visible over virtually all of North and Central America as well as the northwestern sections of South America.



FROM THE START of an eclipse, when the invisible disc of the moon just touches the disc of the sun, until the total eclipse occurs, takes about one hour and fifteen minutes. Sunlight gradually decreases as the moon moves across the face of the sun. Sunlight vanishes when totality is reached. This lasts on the average of seven and a half minutes. The eclipse shown above, occurred on Jan. 14, 1926.

Command story told by motto

HQ MAC - "Global in Mission - Professional in Action." That's the new Military Airlift Command motto.

The "brainchild" of Col. Frederick Ehardt, executive officer to MAC's Command Surgeon at Scott AFB, the motto was selected by MAC Commander Gen. Jack J. Catton because of its "brevity, simplicity and applicability to all facets of the command mission."

The new motto, which may now be used on letterhead stationery command-wide, was considered the best of more than 200 suggestions sent in by MAC men and women around the world. The search for a command motto began last May and received wide publicity in base newspapers and other publications.

General Catton, congratulating Colonel Ehardt for his winning entry, asked that his appreciation be conveyed to all members of the command who submitted ideas for consideration. The number of contributions, and the excellence of submissions, made selection difficult.

CITIES IN OR NEAR PATH OF TOTALITY

City	Local Time at mid-eclipse	Totality %
Albany, N. Y.	1:43 p.m.	92
Allentown, Pa.	1:40 p.m.	94
Atlantic City, N. J.	1:40 p.m.	98
Boston, Mass.	1:46 p.m.	96
Charleston, S. C.	1:27 p.m.	100
Durham, N. C.	1:32 p.m.	98
Halifax, N. S.	2:55 p.m.	100
Hartford, Conn.	1:44 p.m.	95
Minatitlan, Mex.	11:38 a.m.	100
Nantucket, Mass.	1:47 p.m.	100
New York City	1:42 p.m.	96
Norfolk, Va.	1:36 p.m.	100
Oaxaca, Mex.	11:30 a.m.	99.7
Perry, Fla.	1:18 p.m.	100
Raleigh, N. C.	1:32 p.m.	99
Savannah, Ga.	1:24 p.m.	100
Tallahassee, Fla.	1:17 p.m.	99.8
Wallops Island, Va.	1:38 p.m.	99.9
Washington, D.C.	1:37 p.m.	95
Wilson, N. C.	1:33 p.m.	100

Other U. S. Locations

Albuquerque, N. M.	10:47 a.m.	50
Bismark, N. D.	12:11 p.m.	43
Boise, Id.	10:45 a.m.	27
Chattanooga, Tenn.	1:21 p.m.	89
Chicago, Ill.	12:25 p.m.	72
Columbus, Ohio	1:35 p.m.	83
Dallas, Tex.	12 noon	71
Denver, Col.	10:57 a.m.	46
Kansas City, Mo.	12:12 p.m.	64
Los Angeles, Cal.	9:26 a.m.	36
Portland, Ore.	9:39 a.m.	19
San Francisco, Cal.	9:26 a.m.	27
Tucson, Ariz.	10:34 a.m.	48

Lieutenant's family tree claims Minott was Minot

MINOR AFB, N.D.,—Is Minot a Minott? Or is Minott a Minot? Confusing? Not really.

Second Lt. David H. Minott, from Shirley, Mass., arrived here recently and may very well be a direct descendant of Henry D. Minot, the railroad pioneer for which the city was named.

When asked if there was any relationship, the lieutenant replied, "There is a very good possibility. My uncle is looking into it now."

Lieutenant Minott's uncle, Henry Minott of Woburn, Mass., plans to check the family tree to determine if there is any relationship.

The uncle, who practices genealogy (study of a family's background) as a hobby, has gone down one line of the family and found that at one time the name had only one "T" and only a few generations ago it was changed to two.

He has estimated that the family first arrived in America about 1623, coming from either England or Scotland, or possibly both.

He has also discovered a Johnathan Minot, who lived approximately 10 miles from the lieutenant's hometown, to be their direct ancestor.

Johnathan Minot, it was revealed, was a captain in



2nd Lt. David H. Minott

America's Revolutionary Forces and led a group of troops at Concord and Lexington, when the militia was first called out.

Lieutenant Minott is a weather forecaster with Detachment 21, 9th Weather Squadron.

For the time being, Minot simply has a Minott, and if there is any relationship it is yet to be discovered.

Vietnam units getting 17 of 65 airmen slated for April overseas assignments

Hq. AWS—Air Weather Service personnel officials have selected 65 enlisted men for April 1970 overseas assignments.

Of those selected, 17 are slated for Vietnam while four are headed for Thailand.

GRADE	NAME	COUNTRY
MSgt.	Wilmer D. Oliver	Puerto Rico
MSgt.	Billy J. Taylor	Vietnam
TSgt.	James E. Donahue	Vietnam
TSgt.	Charles F. Fisher	Korea
TSgt.	Berth C. Frankowiak	Vietnam
TSgt.	Herbert Fuller Jr.	United Kingdom
TSgt.	Max R. Herbert	Vietnam
TSgt.	Max R. Herbert	Vietnam
TSgt.	Carl H. McCutcheon	United Kingdom
TSgt.	Donald C. Miner	Thailand
TSgt.	Richard D. Mosley	United Kingdom
TSgt.	Joe A. Pizini	Burundi
TSgt.	Joseph D. Rogers	Puerto Rico
TSgt.	John F. Ryan	Germany
TSgt.	Valois Young Jr.	Korea
SSgt.	Henry A. Binion	Vietnam
SSgt.	John N. Ferrara	Vietnam
SSgt.	Eugene E. Frik	Thailand
SSgt.	Ronald A. Groom	Vietnam
SSgt.	Francis W. Henry Jr.	Puerto Rico
SSgt.	James B. McInain	Japan
SSgt.	Theodore J. Parvu	United Kingdom
SSgt.	Reynaldo Pena	Korea
SSgt.	Elmo E. Reddick	Crete
SSgt.	John E. Rice	United Kingdom
SSgt.	Th. R. Sutherland Sr.	Ryukyu Islands

SSgt.	Gerald Tauler	United Kingdom
SSgt.	Jimmie A. Tamlin	United Kingdom
SSgt.	Ronald J. Zbylut	Azores
Sgt.	Thomas A. Bigler	Spain
Sgt.	Jimmie H. Brasher	Turkey
Sgt.	Donald T. Campbell	Germany
Sgt.	Larry E. Croes	Vietnam
Sgt.	Ronald S. Earle	Vietnam
Sgt.	Gary G. Fuchs	Germany
Sgt.	Richard J. Girardin	United Kingdom
Sgt.	Thomas A. Gonzales	Thailand
Sgt.	Paul E. Grant	Vietnam
Sgt.	Michael S. Hall	United Kingdom
Sgt.	William B. Helton	Portuguese Timor
Sgt.	Richard A. Hudson	Japan
Sgt.	Samuel E. Inge	Philippines
Sgt.	Christopher J. Inman	United Kingdom
Sgt.	Andrew M. Mahave Jr.	Vietnam
Sgt.	Henry F. McNight	Vietnam
Sgt.	Lowell E. Mielke	Germany
Sgt.	Thomas M. Moroney	Korea
Sgt.	Richard A. Plak	Vietnam
Sgt.	Robert G. Plak	United Kingdom
Sgt.	Charles R. Paul II	Greenland
Sgt.	Joseph E. Sarro	Greenland
Sgt.	Jerry Shaldan	Vietnam
Sgt.	Michael D. Smith	Germany
Sgt.	Boyd L. Terry	Azores
Sgt.	John T. Tyrrell	Ryukyu Islands
Sgt.	James D. Vail	Vietnam
Sgt.	Eric B. Wright	Greenland
A1C	David W. Fraser	Vietnam
A1C	Wayne G. Greene	Alaska
A1C	Bobby J. Hall	Panama
A1C	Troy R. Luster	Thailand
A1C	Michael D. Murphy	Alaska

School opened by Recon unit for junior NCOs

RAMEY AFB, P. R. — The 53rd Weather Reconnaissance Squadron NCO Leadership School recently graduated 10 NCOs from its first class with SSgt. William E. Ryon Jr. winning the honor graduate award. The school is the only one in AWS. The school Commandant SMSgt. Thomas S. St. Denis said, "This school was developed to teach sergeants and staff sergeants leadership, management, military law, customs and courtesies."

Instructors at the school are former MAC NCO Academy graduates who have volunteered their time to help make the school a realistic experience. Primary goals of the school are to help the individual in his present job and cultivate the skills required for his growth to meet increasing responsibility.

Sergeant St. Denis interviews all applicants before their selection.

Tenant units at Ramey have been invited to participate in the 53rd WRS school.



GIFTS AND TOYS were the order of the day for the men of Detachment 5, 5th Weather Wing, Howard AFB, Canal Zone. Unit personnel and their wives recently participated in a civic actions affairs program for the children of the Gospel Missionary School in Chame, Republic of Panama. Distributing gifts and toys are SMSgt. Thomas M. Watson (left) and Sgt. Larry D. Huggins.

Data from Special Ops. team big assistance in scientific test

EGLIN AFB, Fla.—Four observers of Detachment 75, 5th Weather Wing, (Special Operations Weather Team) provided vital weather information for a scientific test program at Gainesville, Fla., and the Panama Canal Zone recently. The tests provided data for the evaluation of a short aerial spray boom currently used in Southeast Asia for spraying insecticide.

Both tests were conducted jointly by the Department of Agriculture and the Air Force. The first phase at Gainesville utilized the facilities of the "Diseases Affecting Man and Animals Laboratory" tested dispersion pat-

terns and spray quantities.

Wind and surface conditions were critical to the successful accomplishment of this phase. Three members of Det. 75 provided low-level wind information using tactical weather techniques. They were SMSgt. Charles Lagneaux, and Staff Sergeants David Kinney and James Miller.

Phase two of the project was conducted in the Navy Pipeline Road area of the Canal Zone to test the spray system in a tropical environment. Sergeant Kinney and SSgt. Domingo Sanchez provided weather information for this phase.

Velvet-voiced observer opens bazaar in England

TRAVIS AFB, Calif.—An Air Force weather observer at Travis AFB has added another page to the growing book of friendship, goodwill, and understanding being written by American servicemen overseas.

SSgt. Tom O. Wilson, Det. 23, 17th Weather Squadron, returned to England last month after more than eight years absence to participate in the annual bazaar sponsored by the Irthlington Methodist Church.

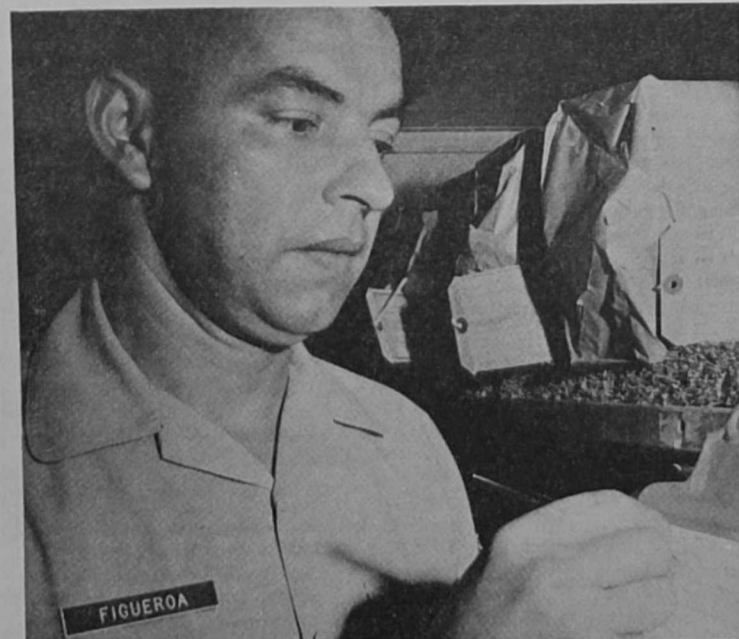
The velvet-voiced veteran of 12 years Air Force service sang with the church's choir while assigned to RAF Station (Chevelston) as a weather observer from September 1958 to September 1961. During this assignment, he also was the first American to sing with the chorus of a local operatic society, appearing in its productions of

"Oklahoma," "South Pacific," and "Carousel."

Last month, the church wrote Sergeant Wilson a letter inviting him to open their annual bazaar. Traveling at his own expense and using some of his leave time, he left for England to make the opening remarks at the church's bazaar which featured teas, stalls, films, entertainment and a grand concert by the operatic society.

Sergeant Wilson began singing with his high school choir in Columbus, Ohio. He also sang with several opera companies located in the nearby communities of bases to which he was assigned before he went to England.

He is currently singing with the Fairfield Choral Society and the Grace Episcopal Choir also in Fairfield, Calif.



TSgt. Fidel D. Figueroa, was recently named by the Military Airlift Command as an Outstanding Supply NCO for 1969. This is the second straight year he has been recognized by MAC. Sergeant Figueroa is assigned to the Materiel Division, Hq. 7th Weather Wing, Scott AFB, Ill.

AWS weather observers spotlight February volunteer overseas list

Hq. AWS—February's overseas volunteer list is devoted to the weather observers 252X1. The top two volunteers in each NCO grade are listed according to their country of preference.

252X1

Germany
CMSgt. George E. Conley
SMSgt. Marvin E. Thomas
SMSgt. Adam L. Hauck
MSgt. Thomas B. Myers
MSgt. Thurman G. Workinger
TSgt. Thomas P. Rivers
TSgt. Ronald L. Osborne
SSgt. Jimmy K. Wilmot
SSgt. Dale E. Lerum
Sgt. Edward Krautsdorfer
Sgt. Jeffrey S. Ertel
A1C John R. Carlson
A1C Joel L. Jeralde

Thailand
MSgt. Raymond L. Stolarski
MSgt. Albert R. Morgan
SSgt. Richard F. Watson
SSgt. Joe L. Markham
Sgt. Eugene P. Levesque
Sgt. Samuel J. Graham
A1C John R. Carlson
A1C David C. Hogan Jr.

Hawaii
SMSgt. Robert R. Kennedy
TSgt. Lawrence H. Fletcher
TSgt. Joseph R. Stewart Jr.
SSgt. Charles B. Drilling
SSgt. William H. Spradling
A1C Victor I. Rodriguez
A1C Richard L. Peters

Okinawa
MSgt. Warren T. Griffith
SSgt. Eugene F. Minogue

Vietnam
MSgt. Virgil M. Lee
MSgt. Raymond L. Stolarski
SSgt. Richard F. Watson
SSgt. David L. Clos
Sgt. James M. Schuetter
Sgt. Samuel J. Graham
A1C David C. Hogan Jr.
A1C Roland L. Orton

As mentioned in previous issues, publication of an individual's name is not a guarantee that he will be assigned to his overseas choice.

Another factor to keep in mind

Philippines
SMSgt. Robert R. Kennedy
SSgt. Thomas J. Zellmer

Korea
MSgt. Joseph E. Maxwell
SSgt. Joe L. Markham
SSgt. William E. Wilson
Sgt. James H. Pattison
A1C Robert L. McMillen

United Kingdom
CMSgt. George E. Connet Jr.
SMSgt. Marvin E. Thomas
SMSgt. William J. Montgomery
MSgt. Lloyd W. Tisher Jr.
TSgt. Ronald L. Osborne
TSgt. Louis R. Jones III
SSgt. Jimmy K. Wilmot
SSgt. Billy J. Jarrett
Sgt. Gerald R. Olesen
Sgt. Jeffrey S. Ertel
A1C Joel L. Jeralde
A1C Timothy D. Johnson

Japan
MSgt. Albert Morgan
TSgt. Jack A. Innes
TSgt. Gerald E. Page
SSgt. Billy J. Jarrett
SSgt. Charles B. Drilling
Sgt. Edward Krautsdorfer
Sgt. Eugene P. Levesque
A1C Raymond B. Kinter
A1C Gary L. Gillham

Greece
MSgt. Rudy A. Villarreal
SSgt. Earl E. Gardner
SSgt. Dale E. Smith
Sgt. Jackie C. Jeffers
A1C Thomas J. Hoffman
A1C Thomas Chester Lee

Azores
SMSgt. Morris Krich
SMSgt. David R. Martin
TSgt. Thurman H. Watson

is that any list of volunteers changes constantly. What "went to press" as an up-to-datelisting could be outdated by the time it reaches the field.

Spain
CMSgt. George E. Conley
SMSgt. Joseph G. H. Lapointe
MSgt. Darwin J. Riden
MSgt. Thurman G. Workinger
TSgt. Estes R. Carey
SSgt. Bradford Jennings
SSgt. Charles P. Hollenbeck
Sgt. Ro. J. Cianchetti Jr.
A1C Richard J. Bodan
A1C Gary L. Gillham
Amn. Hector M. Rosario

Italy
TSgt. Robert J. Bayless
TSgt. Thomas P. Rivers
SSgt. Bradford Jennings
SSgt. Thomas V. McBryant
Sgt. John T. Robinson
A1C Terry F. Landsverk
A1C Dennis E. Welliver

Greenland
Sgt. James D. White
A1C Romeo C. Robinson

Turkey
SSgt. Paul Baughman

Taiwan
SSgt. Jesus A. Vazquez

Panama
SSgt. H. R. Navedorigueroa

Alaska
TSgt. Theodore B. Lancaster Jr.
SSgt. Dale E. Lerum
Sgt. David W. Hill
Sgt. Ro. J. Cianchetti Jr.
A1C Raymond B. Kinter
A1C David W. Hill
Amn. Theodore Suckling

Puerto Rico
TSgt. James R. Burrell
TSgt. Estes R. Carey
A1C John Giesen
A1C Jack W. Olmstead
Amn. Hector M. Rosario

ON THE

skew-T

Highlights of Air Weather
Service people at work and play

AWS Global Report

Ent AFB, Colo.

Sgt. Carl J. Pastuszynski, Airman First Class William D. Miller and Richard A. Smith, Detachment 1, 4th Weather Wing, have been awarded MAC Bronze PRIDE Awards.

Airman Smith was also named 4th WW's Airman of the Quarter for the last quarter of 1969.

Heidelberg, Germany

TSgt. Richard E. Williamson, Detachment 14, 7th Weather Squadron, has been named Senior Airman of the Year for 7th WS and SSgt. George J. D'Amico Jr., Detachment 10, 7th WS, was named Junior Airman of the Year.

Capt. Robert J. Balik, Detachment 2, 7th WS, has been presented an Educational Achievement Certificate for collecting 44.6 educational points during a 30 month period. The captain was enrolled in the University of Utah's Masters of Business Administration Course.

Bergstrom AFB, Tex.

Marguerite Condon, secretary to Col. Eugene C. St. Clair, commander, 25th Weather Squadron, has been presented a MAC Gold PRIDE Award for superior performance during the past year.

Minot AFB, N.D.

A1C Robert S. Hauge, 9th Weather Squadron, has been named base Airman of the Month for December 1969.

Promotions

To TSgt.

Elgia T. Terry.

To SSgt.

John V. McBride.

To Sgt.

William L. Albrecht, James G. Badour, Philip R. Bois, Marvin L. Brangan, William Breazeale, Dennis M. Crutcher, William L. Dawe, John A. Delaney, Dale W. Dennis, Thomas M. Denson, Raymond M. Erland, Richard W. Espey, Donald Farrington, James E. Fleming, James D. Godwin, Tracy E. Gore, Gerald A. Hampton, Rodney W. Hanscom, Robert S. Hauge, David W. Hill, Kenneth M. Husted, Richard A. Johnson, Dennis C. Kancius, Alan A. Kassebaum, Johnny L. Kesterson, James J. Kyncl, Carol J. Lonkowski, George E. Matos, Leslie L. McBride and James T. McCormick.

Additional promotions to sergeant were Byron E. Meyer, Kenneth R. Nelson, Patrick J. Novak, James F. Novshek, Patrick J. O'Brien, Robert C. Olbinski, David L. Osgood, Anthony D. Ozark, Marvin A. Patraw, Charles Perez Jr., Thomas J. Pellerin, James J. Prange, Robert E. Reed, Curtis L. Ritland, Ronald Ritorto, James S. Schmidt, Joseph P. Schmidt, James R. Sensinger, Neal R. Sharpleigh, Steven R. Shelton, Warren Vondelinde, Terry C. Waldhelm, Parker Wheat Jr., David A. Woodbury, Robert M. Winslow, William J. Young and Gregory A. Zaturski.

Chanute AFB, Ill.

A1C Michael Mignogno, Detachment 12, 4th Weather Wing, was recently named Honor Graduate of the Weather Observers Course; attaining a final grade of 94.

McConnell AFB, Kan.

Detachment 33, 25th Weather Squadron's Forecasting Section has received the MAC Blue PRIDE Award for outstanding support to the low level portion of Strategic Air Command's ORIT missions in 1969.

MSgt. Alton W. Badman, Det. 33, 25th WS, was a recent Honor Graduate at the Weather Radar Operation and Scope Interpretation Course at Chanute AFB, Ill.

Sgt. Michael J. Mick, Det. 33, 25th WS, has received a \$350 cash award for a suggestion pertaining to the design of an automatic chart changer for closed circuit weather television.

Itazuke AB, Japan

First Lieutenant James H. Alyea, Detachment 11, 20th Weather Squadron, was recently presented the first place plaque in the color slide category of the Japan-American Friendship Photo Contest.

K.I. Sawyer AFB, Mich.

Capt. Randolph W. Ashby, Detachment 33, 26th Weather Squadron, has been named 3rd Weather Wing's Junior Officer of the Quarter.

Osan AB, Korea

Capt. Hyon Uk Lim, Tactical Forecast Center, 73rd Republic of Korea Air Force Weather Group, has been presented a U.S. Air Force Certificate of Training for successful completion of the Weather Officer Course.

Distinguished Flying Cross

Maj. William T. French Jr., Vietnam.

Bronze Star

Lt. Col. William E. Cummins II, 5th WS.
Maj. William A. Mayhew, Det. 14, 1st WG.
Capt. James K. Lavin, Det. 14, 1st WG.
Capt. Hugh K. Linnemann, Det. 31, 5th WS.
Capt. John C. Reimer, Det. 4, 30th WS.
Capt. Robert Q. Serrett, Det. 10, 5th WS.
Capt. Theodore W. Stullich, Det. 14, 1st WG.
Capt. Joseph J. Tenaca Jr., 1st WG.
SMSgt. William J. Rummel, 5th WS.
TSgt. Dan Casey, Det. 4, 30th WS.
SSgt. Gilbert E. Mullen, Det. 14, 1st WG.

Legion of Merit

Col. George E. Rath, (First Oak Leaf Cluster), 55th WW.

Meritorious Service Award

Col. Guy N. Gosewisch, Hq. AWS.
Col. Eugene C. St. Clair, 25th WS.
Maj. James W. Hall, Hq. AWS.
Capt. Walter J. Harrison, 29th WS.

Air Medal

Maj. William T. French Jr., (First thru third Oak Leaf Cluster), Vietnam.
Capt. Charles D. Booker Jr., (posthumous), Vietnam.

Air Force

Commendation Medals

Lt. Col. Harry N. Fields, 54th WRS.
Lt. Col. Earl S. Goodale, 20th WS.
Lt. Col. William G. Hodges, 54th WRS.
Maj. Miguel A. Avila, (First Oak Leaf Cluster), Det. 2, 9th WRW.
Maj. Fred H. Bullard, Det. 6, 4th WW. (First Oak Leaf Cluster).
Maj. Wayne S. Bullock, (First Oak Leaf Cluster), 4th WW.
Maj. Donald W. Comstock, 54th WRS.
Maj. Samuel Goldstein, Hq. AWS.
Maj. Howard Goode Jr., 55th WRS.
Maj. Dana K. Kelly, (First Oak Leaf Cluster), Det. 2, 9th WRW.
Maj. Carl N. Lisk, (First Oak Leaf Cluster), Det. 15, 20th WS.
Maj. Donald R. Malm, 9th WRW.
Maj. Gerald D. McCright, (Second Oak Leaf Cluster), OL-4, 2nd WW.
Maj. Robert W. Meals, Det. 2, 9th WRW.
Maj. Robert S. Sluter, (First Oak Leaf Cluster), 57th WRS.
Maj. James E. Smith, (First Oak Leaf Cluster), Det. 2, 9th WRW.
Maj. Robert F. Smith, (First Oak Leaf Cluster), 6th WW.
Maj. Kenneth H. Stevens, 57th WRS.
Capt. Stokes W. Anderson Jr., Det. 2, 9th WRW.
Capt. Ron A. Anthony, Det. 2, 9th WRS.
Capt. Francis R. Boman, 55th WRS.
Capt. Charles D. Booker Jr., (Posthumous), 54th WRS.
Capt. Guillermo A. Franco, Det. 2, 9th WRW.
Capt. Kenneth Handy, Det. 40, 28th WS.

Awards and decorations

Capt. Warren R. Hayden, 55th WRS.
Capt. Philip R. Hepburn Jr., (First Oak Leaf Cluster), Det. 2, 9th WRW.
Capt. Richard L. Haffert, (First Oak Leaf Cluster), 57th WRS.
Capt. Homero Lamas, 57th WRS.
Capt. James F. O'Malley, Det. 2, 9th WRW.
Capt. Donald F. Riseling, Det. 2, 9th WRW.
Capt. Ernest F. Schuler III, 29th W.
Capt. Martin T. Swanson, 55th WRS.
Capt. Gary J. Thompson, (First Oak Leaf Cluster), Det. 15, 20th WS.
First Lieutenant Thomas P. Benoit, Det. 22, 24th WS.
First Lieutenant Michael C. Holcomb, Det. 22, 24th WS.
First Lieutenant George J. Horner, Det. 6, 29th WS.
First Lieutenant Stacey R. Rocher, 8th Tactical Fighter Wing.
First Lieutenant Edward F. Sander, Det. 1, 9th WS.
CMSgt. William M. Auckland, (Second Oak Leaf Cluster), Det. 2, 9th WRW.
CMSgt. Charles L. Bradham, (First Oak Leaf Cluster), 55th WRS.
CMSgt. Luther Davidson, (Second Oak Leaf Cluster), 1st WW.
CMSgt. Robert W. Fuhrman, Det. 2, 1st WW.
SMSgt. Howard W. Benstead, (First Oak Leaf Cluster), 55th WRS.
SMSgt. Calvin L. Gary, Det. 2, 9th WRW.
SMSgt. William H. Laurence, (First Oak Leaf Cluster), 57th WRS.
SMSgt. Clayton N. Mann, (First Oak Leaf Cluster), Det. 2, 9th WRW.
SMSgt. Charles E. Napier, 56th WRS.
MSgt. Marshall R. Akins, 56th WRS.
MSgt. Daniel L. Divenay, (Third Oak Leaf Cluster), Det. 2, 9th WRW.
MSgt. Franklin A. Horne, Det. 6, Hq. AWS.
MSgt. Arthur E. Kolp, Det. 20, 6th WS.
MSgt. Joseph C. Kubala, Det. 6, Hq. AWS.

MSgt. Agapito M. Manansala, (Fourth Oak Leaf Cluster), Det. 2, 9th WRW.
MSgt. Martin M. Mangin, (First Oak Leaf Cluster), 55th WRS.
MSgt. Walter R. Nicholson, Hq. AWS.
MSgt. Sylvio Paraggio, (First Oak Leaf Cluster), Det. 2, 9th WRW.
MSgt. Sidney Scott, Det. 2, 9th WRW.
MSgt. Fred Sineras, 55th WRS.
MSgt. Jerry E. Thompson, 55th WRS.
MSgt. John Weber, 57th WRS.
TSgt. Harvey Bowers, (First Oak Leaf Cluster), 55th WRS.
TSgt. H. J. Beasley, 54th WRS.
TSgt. Charles M. Davis, 56th WRS.
TSgt. Dale D. Dodson, Det. 42, 7th WW.
TSgt. David L. Evans, Det. 23, 12th WS.
TSgt. Jerry D. Huffstaller, 56th WRS.
TSgt. Bobby L. Hughes, 56th WRS.
TSgt. Raymond M. Hutson, Det. 14, 20th WS.
TSgt. James L. Lewis, 54th WRS.
TSgt. Joseph M. Mares, 9th WRW.
TSgt. John D. Matka, (First Oak Leaf Cluster), Det. 22, 24th WS.
TSgt. Bernard J. Newhouse, Det. 43, 12th WS.
TSgt. Clarence D. Rousseau, 55th WRS.
TSgt. Richard A. Thumma, 56th WRS.
SSgt. Robert L. Anderson Jr., Det. 2, 9th WRW.
SSgt. Dennis G. Bowlin, Det. 22, 24th WS.
SSgt. Cecil L. Davis, Det. 2, 9th WRW.
SSgt. Joseph P. Donnelly, Det. 22, 24th WS.
SSgt. James A. Emminger, Det. 2, 9th WRW.
SSgt. Marie E. Gregory, Det. 2, 9th WRW.
SSgt. Charles R. Holmes, Det. 2, 9th WRW.
SSgt. Dennis A. Larga, 58th WRS.
SSgt. Kenneth E. Prater, Det. 2, 9th WRW.
SSgt. Wayne M. Rupard, (First Oak Leaf Cluster), Det. 2, 9th WRW.
SSgt. James V. Schafer, 55th WRS.
SSgt. Joseph R. Vela, 58th WRS.
SSgt. Johnnie W. Weems, Det. 22, 24th WS.
SSgt. Clarence C. Woody, Det. 22, 24th WS.
Sgt. Larry L. Futral, Det. 22, 24th WS.
Sgt. Basil R. DeFore, Det. 28, 26th WS.
Sgt. Alexander K. Dyga, Det. 20, 8th WS.
Sgt. James S. King, 14th Combat Support Group and 327th Combat Support Squadron.
Sgt. George Machovec, Det. 22, 24th WS.
Sgt. Ronald J. Maharas, Det. 36, 7th WS.
Sgt. Larry J. Pryor, Det. 40, 28th WS.
A1C Richardo Cavazos, Det. 22, 24th WS.
A1C William G. Cook, Det. 22, 24th WS.
A1C Kenneth J. Eysel, Det. 22, 24th WS.
A1C Robert B. Krueger, Det. 22, 24th WS.
A1C Michael D. Murphy, Det. 22, 24th WS.
A1C Roger G. Myers, Det. 22, 24th WS.
A1C Earl W. Reuter Jr., Det. 6, 29th WS.
A1C Charles B. Wheelock, 56th WRS.

Detachment hosts
Japanese officers

FUCHU AS, Japan - Lt. Col. Gilbert N. Woods, commander, Detachment 17, 20th Weather Squadron, recently hosted 42 Japanese Air Force meteorological officers on a tour of his unit's weather facilities.

The weather officers are assigned to the Military Weather Service of the Japan Air Self-Defense Force. Primary purpose of the orientation tour was to view the newly erected FPS-77 weather radar unit.

Det. 17 personnel briefed the visitors on base weather support to the Far East Area Command Post, after which the group visited the 56th Weather Reconnaissance Squadron's facilities.

Births

BELLUE, Capt. and Mrs. Dan G., a son, Kyle Gordon. Father assigned to Detachment 15, 28th Weather Squadron, RAF Wethersfield, England.

CERNOHOUSE, Capt. and Mrs. Arthur Bernard, a daughter, Pamela Sue, at Scott AFB Hospital, Ill. Father assigned to Hq. AWS, Scott AFB.

MUNGULIA, Capt. and Mrs. Fred, a son, Christopher, at Clark AB Hospital, Philippines. Father assigned to Detachment 5, 1st Weather Wing, Clark AB.

ALLEN, 1st Lt. and Mrs. William H., a daughter, Jennifer Grace, at 130th Station Hospital, Heidelberg, Germany. Father assigned to Detachment 14, 7th Weather Squadron, Heidelberg.

PETTY, TSgt. and Mrs. Harry F., twin sons, Michael James and Mark Louis. Father assigned to Operating Location 9, 2nd Weather Wing, Tehran, Iran.

Cagle, SSgt. and Mrs. Lloyd L., a son William Lloyd, at Scott AFB Hospital, Ill. Father assigned to Hq. AWS, Scott AFB.

HOUGHES, SSgt. and Mrs. Robert E., a son, Robert Bryan. Father assigned to Detachment 20, 16th Weather Squadron, Ft. Wolters, Tex.

SUNSDAHL, SSgt. and Mrs. Harley O., a son, Michael Andrew. Father assigned to Detachment 21, 31st Weather Squadron, Ramstein AB, Germany.

EVANS, Sgt. and Mrs. William K., a daughter, Priscilla Ann. Father assigned to Det. 21, 31st WS, Ramstein AB.



EXPLAINING HOW enemy rocket shells explode is Sgt. David Etheridge, a combat weather team (CWT) member at Dau Tieng Airfield, Vietnam. Taking in the information is (center)

Lt. Col. Loren L. Lorenzen, 5th Weather Squadron commander and Sgt. Gary G. Larabee, a CWT member. Sergeant Etheridge found the shells after a rocket attack on Dau Tieng.



By SGT. JESSE L. FREY

NHL expansion a flop competition wise

During the 1967-68 hockey season six new teams began competition in the rugged National Hockey League. When the new teams were formed and battles waged, experts made their predictions of how long it would be before the new Western entries would be able to play on even terms with the established East.

Many felt five to seven years was a realistic figure, but at this writing, those figures appear obsolete. The new West Division clubs have managed only 24 wins while losing 76 and tying 26. The East has out scored the West by a whopping 167 goals.

According to the 1968-69 All Star game which ended in a 3-3 tie, the West had arrived. But the 1969-70 contest was something else again. The East arrived at the St. Louis Arena to play 60 minutes of hockey and play they did as they rocked the West stars 4-1 and only a masterful netminding performance by Jacques Plante of the West kept the score as low as it was.

This game was but a small testimony to the East's superiority as division versus division statistics prove.

In overall competition, the Minnesota North Stars of the West have the best record against East foes compiling a record of 5-4-9. In comparison, the East's Boston Bruins have recorded 16 wins 0 losses and 4 ties with the Western teams.

Certainly a far cry from equality and unless the West teams can acquire some capable young talent soon, things could get even worse.

The amazing Knicks

This year really looks like the year for the New Yorkers with a World Champion baseball club, a potential champion in the New York Rangers hockey club and now the Knickerbockers.

The New York Knicks, who haven't won an Eastern Division title in the National Basketball Association since 1954, are on their way.

At this writing the "amazing Knicks" have a seven and a half game lead in the NBA's East Division.

It's hard to believe, but the Knicks with all this glory, boast not a single super star. Instead, they just win and win and win with teamwork.

Winning came naturally to the Knicks this season and for awhile opponents thought New York might be invincible. The Knicks swept through their first 24 games suffering just one defeat and set an NBA record by winning 18 consecutive games.

That 18th win was something of a story in itself as the Knicks trailed Cincinnati 105-100 with just 16 seconds remaining. Two foul shots, a stolen pass turned into two points and another steal set up a pair of winning foul shots for Walt Frazier. Final-New York 106, Cincinnati 105.

Defense has been their key to success and opposing coaches and players credit Walt Frazier as being a master ball hawk. Richie Guerin, coach of the Atlanta Hawks, summed it up best after the Knicks humiliated the Hawks 138-108 in Atlanta, "that Frazier stole everything but our sneakers." The estimated thefts for the night was 22.



Want to get that inch of sunshine off
my Golf Course!

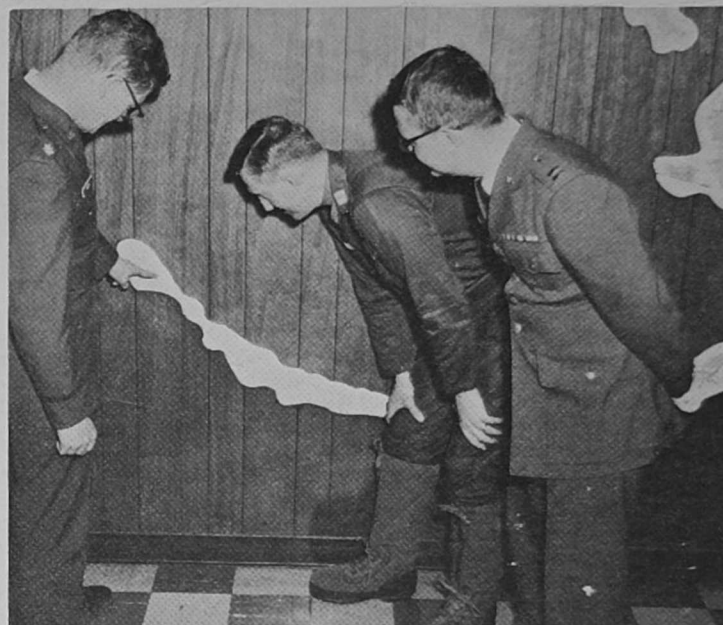
SEA returnees eligible for 2 WATA openings

Hq. AWS - Vacancies exist for qualified master and technical sergeants, AFSC 25271, for duty as weather air technical advisors (WATA).

Present openings are in East Orange, N.J., and Hickam AFB, Hawaii. Additional vacancies are expected during the year.

Application procedures are described in AWS Regulation 39-1. Applications are particularly desired from SEA returnees.

The Observer regrettably announces the death of Col. Franklin W. Horton, retired, of Fort Walton Beach, Fla. Colonel Horton, whose last assignment was deputy chief of staff, Personnel, Air Weather Service, died after an extended illness.



LEARNING EVERYTHING HE CAN about Shemya AFB, Alaska, prior to a TDy tour there, is Capt. Jerry R. Doss (center), a forecaster with Detachment 2, 11th Weather Squadron, Eielson AFB, Alaska. Pointing to Shemya, a remote location some 1,400 miles from Eielson is Maj. Ernest E. Pelto, Det. 2, commander. Capt. Eric P. Warmen, (right) recently returned from the Western Aleutian Islands base.

Sergeant hits 299 of 300 targets... Is world's seventh best trapshooter

SHEPPARD AFB, Tex. - Standing on the 27-yard line, SSgt. Terry M. Howard barks out the "signal," takes aim... and fires. Unlike the football greats, Howard connects more than 96 percent of the time.

However, Sergeant Howard is not driving his team for a touchdown; his game is trapshooting. His exact completion percentage is 96.72, best in the world. He also owns the world trapshooting record of 299 "hits" out of 300 targets.

The 25-year old Des Moines, Ia., native has been shooting for less than two years.

He won the first match he entered in February 1968 and has won nearly every event since.

Howard, a member of Detachment 12, 24th Weather Squadron, looks more like a defensive lineman than a champion shooter and, until late 1967, he was.

A friend at Clinton-Sherman AFB, Okla. talked him into giving guns a whirl. "I hunted some as a youngster, but trapshooting is a completely new experience," Howard related.

After the sergeant won four trophies, a stereo set, a shotgun and a sizeable sum of money at his first shoot, Howard decided trapshooting was for him.

Sergeant Howard discovered he had quite a knack for picking

Son, Detachment 9 visited by CMSgt. of U.S. Air Force

FT. RUCKER, Ala. - Chief Master Sergeant of the Air Force Donald L. Harlow recently paid an unofficial visit to Detachment 9, 16th Weather Squadron.

Sergeant Harlow was at Ft. Rucker to attend his son's graduation from Army Warrant Officer Candidate Training.

Following his son's graduation, the Air Force's top sergeant toured Det. 9 facilities,

clay pigeons out of the air with a .12 gauge shotgun. By June 1968 he met and defeated the entire Air Force trapshooting team.

In July 1968 Howard sought a berth on the United States team to compete in the World Championships at San Sebastian, Spain.

The qualification results must have shocked even Howard. After missing his 48th clay pigeon, he nailed 252 without a miss, then added 23 more hits for a total string of 275. His 299 out of 300 mark was a new world's record, surpassing the old standard of 297. And 275 consecutive hits shattered the previous mark of 187 straight.

After taking second place honors at the U.S. Championships at Phoenix, Ariz., Howard and five teammates packed their

gear for the World Championships.

Despite a seventh place finish among a field of 105 of the world's finest marksmen, Howard was disappointed with his performance. The U.S. team took second place in the San Sebastian event.

America's high finish is especially significant in light of the vast difference between the U. S. and international trapshooting standards. In the latter, the pigeons can come from virtually any direction and at a much higher speed.

With 136 trophies, a world record and a seventh best in the world rating, Terry Howard has good reason to brag a little. But for now, he'll leave the boasting to his wife, Penny.

"After all," Howard says, "she thinks I'm a lot better shot than I do."

Weather linksmen compete in Hawaiian Tournament

The world's golf pros were in Honolulu to warm up for the Hawaiian International Open recently at the same time the would-be pros of the 1st Weather Wing were out swinging in their own classic form.

However, the weathermen were not limbering up for an international event, but for the Hawaii All-Weather Service golf tournament held at the Navy-Marine Golf Course at Pearl Harbor, Hawaii.

Sponsored by the 1st WW, the event was open to representatives from the Air Force, Navy, Marines and ESSA weather communities.

Heading the individual groups were Col. Lowell A. Stiles, 1st WW commander, Capt. W. S. Houston Jr., commander, Fleet Weather Central and E. M. Carlstead, chief, Scientific Services Division, ESSA (Weather Bureau).

The tourney was won by 1st WW with low gross prize going to Capt. Ray Yeatman, 1st WW, who shot a 78 and Robert Brownlee of the Navy who won low net with a 64.

First Wing participants were Col. James Sadler (Ret.), Lt. Col. Guenther Luckenbach, Capt. Ray Yeatman and SMSgt. Harold Irving.

The event was capped with high gross prize winner 1st Lt. James Aneff burying his score card on the final hole. Wonder if that will change his luck next time?