

General Nelson Assumes Command

Becomes Tenth Commander

At a ceremony held March 15 at Scott AFB, Ill., Brig. Gen. Roy W. Nelson jr. assumed command of Air Weather Service. He has become the 10th commander of AWS since 1937, succeeding Brig. Gen. Norman L. Peterson, who will command the Pacific Communications Area, Wheeler AFB, Hawaii.

General Nelson was born in Tacoma, Wash., on September 20, 1916. After completing a year of study at the University of Washington, he was appointed

to the United States Military Academy at West Point, from which he graduated in 1940.

He was commissioned a second lieutenant on June 11, 1940. After receiving his pilot's wings at Stockton, Calif., he returned to school, studying meteorology for a year at the California Institute of Technology in Pasadena.

During World War II, he served in the Mediterranean theater of operations as staff weather officer to North African Coastal Command and to 15th Air Force from its activation until V-E day.

In 1947, he was transferred to Guam, where he commanded the first B-29 weather reconnaissance squadron and later went to Tokyo as deputy commander of 2143d Weather wing. For his wartime service, General Nelson was awarded the French Croix de Guerre and the Order of the British Empire, as well as the Legion of Merit. He also holds the Army Commendation medal.

Following his graduation from the Armed Forces Staff College in June 1950, he was reassigned to AWS as director of plans and, subsequently chief of staff. He was commander of MATS activities for Operation Ivy in the fall of 1951 and, upon his return, commanded the newly activated 9th Weather group. In 1955, he left this assignment to attend the National War College and, upon graduation, was assigned to command the 2d Weather wing in Germany.

General Nelson commanded the wing until July 1960, when he returned to the United States to assume the duties of vice commander of AWS.

He is a command pilot and a professional member of the American Meteorological society.

He is married to the former Miss Helene Snow, daughter of Mr. and Mrs. L. A. Snow of Seattle. The Nelsons have three children: Roy W. 3d, Joanne and Thomas.



Col Arbogast

Col Arbogast Named AWS Chief of Staff

Col Thomas J. Arbogast has been named AWS chief of staff to succeed Col Walter C. Phillips, who retires this month. Colonel Arbogast, who has been AWS deputy chief of staff for plans since July 1959, has been succeeded in that position by his former assistant, Col Robert A. Taylor.

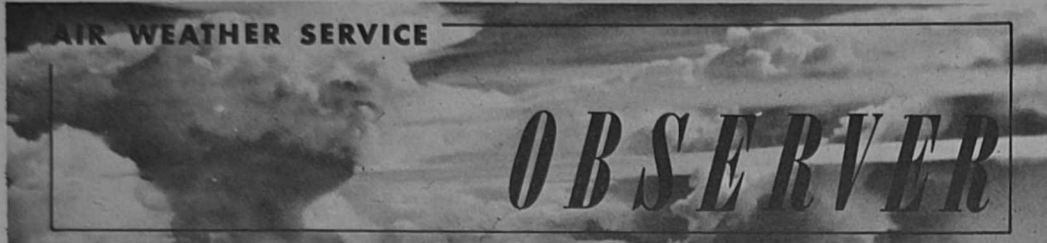
A veteran of 25 years of Air Force service, all of it with AWS, Colonel Arbogast commanded the 15th Weather squadron at Stewart AFB, N. Y., before coming to AWS headquarters in 1959.

During his long AWS career, Colonel Arbogast has served overseas in Antigua, BWI, Ramey AFB, P.R., Natal, Brazil, Tokyo, Japan, Okinawa, and Fontainebleau, France. He has been assist-

(Continued on page 6)



NEW COMMANDER of Air Weather Service is Brig. Gen. Roy W. Nelson jr. (right), here with Lt Gen. Joe W. Kelly (left), MATS commander, and Brig. Gen. Norman L. Peterson (center), former AWS commander.



A Quarter Century of Military Weather Service

Vol. 10, No. 3

Headquarters, Air Weather Service, Scott AFB, Ill.

March 1963



LEGION OF MERIT for outstanding service as Air Weather Service commander since October 1959 is presented to Brig. Gen. Norman L. Peterson by Lt Gen. Joe W. Kelly, MATS commander. General Peterson was cited by the Secretary of the Air Force for "executive leadership, competence and diplomatic acumen in effecting significant technical advancements in meteorological support to the US Air Force." His award citation made specific mention that General Peterson's "professional conduct with representatives of meteorological services of foreign nations has strengthened our nation's prestige and stature world-wide." (See page 5)

Ninety-Four NCOs Get Super Hikes

Hq MATS Personnel officials recently announced the names of AWS NCOs selected for E-8 and E-9 promotions effective April 1.

Some 63 master sergeants will don senior master sergeant stripes, while 31 SMSgts will add the chief master sergeant stripe.

The following were selected for supergrade promotions effective April 1:

To Senior Master Sergeant Hq AWS

Ray G. Switzer and Clifford R. Kerr.

1st Wea. wg

Bernard N. Peffer, Morris Krich and Ralph R. Hayward.

2d Wea. wg

George E. Conley, Richard J. Quick, Francis C. Stack, Clair L. Delong, Louis M. Vanmoppes, Ray H. Barnes, James S. Finley jr., Roy G. Ives and Erwin Varns.

3d Wea. wg

Allen Anderson, Paul Kallas, John E. Lupton, William S. Brown, Mari C. Cantrell, Robert E. Miller, Leonard A. Hoffman, Robert A. Hughes, Dwight L. Walker, John Sawchak and Granvi L. Frichette.

4th Wea. wg

John G. VanHorn, Edward H. Henricks, Howard F. Sallade and Russell W. McCabe.

(Continued on page 7)

Eight in AWS Make Colonel

Eight AWS lieutenant colonels assumed the rank of temporary colonel March 25.

Three AWS officers, presently attending the Air War college, were also selected for promotion to colonel, as were seven other former AWS officers.

Following AWS officers were promoted to colonel: Eugene A. Carter, 12th Wea sq; Jerry C. Glover, AWS Hq; Milton M. Hause, 28th Wea sq; Walton L. Hogan sr, 7th Wea sq; Leroy C. Iverson, 1st Wea wg; Donald F. Moore, 8th Wea sq; Griffin H. Wood, 2d Wea wg; and Richard C. Younkin, AWS Hq.

Those attending Air War college include Robert D. Johnson, Thomas H. Lewis 4th and Donald E. Martin.

Former AWS officers promoted include Royal W. Connell, Hq Command, Leslie W. Cowan, USAF Hq, Gene M. DeGiacomo, OAR, James M. Fahey, Joint Chief of Staff, James A. Fava, OAR, John N. Highley, USAF Hq, and Luther J. Miller, PACAF.

Merewether and Zimmerman Award Winners Announced

Two Air Weather Service officers will receive the AWS Commanders Merewether and Zimmerman awards for 1962 which are being presented for the seventh consecutive year. Maj. Gordon D. Smith, presently attending the University of California through the AFIT program, has been selected for the Merewether award, and Capt. Richard E. Cale, Det. 10, 4th Weather group, has been named the Zimmerman award winner.

Merewether Award

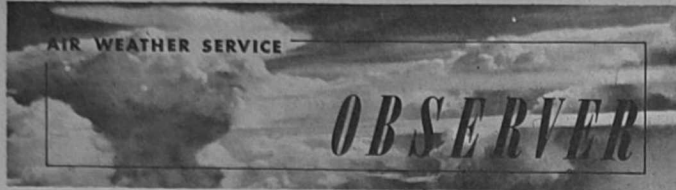
The first award named for Col Arthur F. Merewether (Retired) who was chief of the Weather section, Army Air Forces from

1940 to 1942, and is now Manager of Weather Service for American Airlines, is presented to a person (more than one in case of)

(Continued on page 7)



GENERAL'S STARS for the new AWS commander, Brig. Gen. Roy W. Nelson jr. (right), are pinned on by Lt Gen. Joe W. Kelly, MATS commander. General Nelson becomes the tenth officer to command the global weather service since its inception more than 25 years ago.



The Air Weather Service OBSERVER is an official Class 4 Air Force newspaper published monthly on the third Wednesday of the month by and for the personnel of the world-wide Air Weather Service of the Military Air Transport Service under the supervision of the Directorate of Information, Headquarters, Air Weather Service, Scott AFB, Ill. Opinions expressed herein do not necessarily represent those of the Air Force.

Material which appears herein may be reprinted without permission, but credit to the Air Weather Service OBSERVER is requested. News, feature, art and photographic material is solicited from readers, but publication must depend upon the judgment of the OBSERVER staff. No payment of any kind will be made for contributions. Paid advertising is not accepted.

BRIG. GEN. ROY W. NELSON, JR.,
Commander, Air Weather Service
MR. JOHN D. RUGG, Director of Information
1ST LT CASEY R. LUCZAK, Editor
SSGT ROBERT J. BATTON, Assistant Editor

Weather's Mission Vital at Canaveral

Air Weather Service's place in the space age was given added emphasis by the recent visit of Brig. Gen. Roy W. Nelson jr., AWS commander, to Cape Canaveral.

General Nelson and his party were shown the latest missiles on the Cape and were briefed on 4th Weather group's plan for expanding weather service as the Cape grows in size and complexity.

While visiting Pad 34, they were able to watch the assembling of the first and second stages of Saturn No. 4, which is slated for launching in April. Saturn is regarded as the most powerful booster in the Western world.

AWS operations at the Cape are vital since boosters of the future may have twenty times as much thrust as Saturn, which has 1,500,000 pounds.

By the summer of 1964, Det 11, 4th Weather group, which serves Patrick AFB, will start a new forecast station at the Cape, especially manned and instrumented for missile-support forecasting. The latest, most up-to-date equipment will be used by the 27 forecasters who will work at this interesting and challenging site.

AMS Membership Steadily Increases

Following Air Force personnel, some of them currently assigned outside AWS, have recently become members of the American Meteorological society. They join the 1,775 presently enrolled in the organization, of which 400 USAF members are currently assigned to units other than AWS.

Lt Col

Harry P. Pedersen and Willard E. Schwaderer.

Maj.

Ralph L. Butler, William R. La Rue and Robert M. Rutt.

Capt.

Dean D. Bartlett, Ernest G. Cogdal, Carl R. Hein, Norman F. Jacobs, Richard A. Johnston, Franklin D. Lang, James C. Marshall, Harvey E. Towne and Eric Walther.

1st Lt

John J. Beck jr., Anton S. Chaplin, Jerry D. Jones, John D. Marwitz and Clarence A. Warfel.

2d Lt

Stephen W. Bieda jr. and Albert Sullivan.

CWO

Edward J. Tomchek.

MSgt

Pedro C. A. Ahlmark, Robert G. Chambers and William O. Levensgood.

TSgt

Merrion T. Eaves and Ralph N. Powers.

SSgt

Anthony J. Berutti, Marvin H. Henry, Kenneth E. Rathburn and Donald C. Thompson.

MATS headquarters completed its move from Andrews AFB, Md., and became operational at Scott AFB, Ill., in January 1958. Air Weather Service completed its move to Scott in June 1958.



Col Linder

Linder Named To Command Second Group

Col Kenneth A. Linder, 4th Weather wing commander, Ent AFB, Colo., will be reporting to Langley AFB, Va., during April to assume command of the 2d Weather group. Colonel Linder will be replacing Col Nicholas H. Chavasse, who is presently in the Pentagon serving as Assistant for Weather to the Deputy Chief of Staff, Operations, US Air Force.

Under Colonel Linder's command, since 1958, 4th Weather wing has grown from the 3d Weather group consisting of three squadrons to its present status with seven squadrons. Six of these squadrons are functionally aligned to provide weather support to the six hundred ADC divisions/NORAD regions.

The 11th Weather squadron in Alaska supports the Alaskan Air command and the Alaskan NORAD region. Wing detachments reach from California to Thule and from Florida to Alaska.

The 2d Weather group is responsible for weather support to TAC, CONAC, CONARC, and the USSTRICOM forces. Colonel Linder will also serve as staff weather officer for these commands.

Commendation Medals

US Air Force Commendation Medals for the period of time listed have been recently awarded or approved for presentation to the following AWS personnel.

Col Nicholas H. Chavasse, Hq AWS, from August 18, 1960 to February 26, 1963.

Lt Col Robert C. Ross, Hq AWS, from April 11 1958 to February 15, 1963.

Lt Col Laurel E. Boline, Hq AWS, from May 1, 1960 to March 4, 1963.

Lt Col Francis W. Murray, Hq 3d Weather wing, from April 3, 1961 to February 21, 1963.

Maj. Charles H. Gover, Hq AWS, from June 6, 1960 to February 28, 1963.

Maj. Howard H. McDaniel, Hq AWS, from August 1, 1961 to December 26, 1962.

Capt. Hugh M. O'Neil, Hq 3d Weather wing, from April 3, 1961 to February 21, 1963.

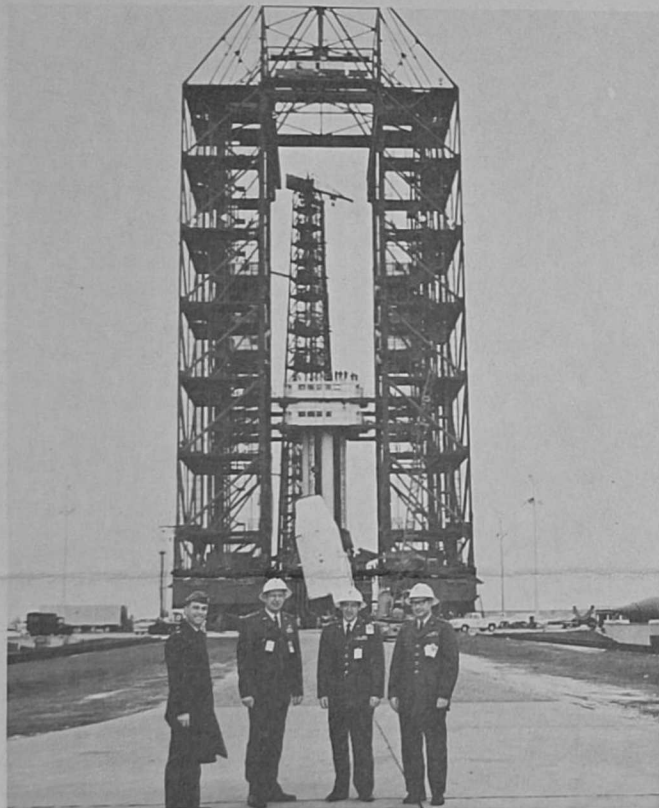
CMSgt Clemens B. McGara, 53d Weather Reconnaissance squadron, 9th Weather group, from November 27, 1960 to November 17, 1962.

Korea Uses Centralized Forecasting

In February, the Republic of Korea Air Force (ROKAF) began transmitting weather analysis and prognoses via a newly constructed electronic facsimile network. The network provides complete service to all ROKAF forecast stations.

The planning and programming for the network was initiated jointly by the Weather/C&E Advisors of Det 5, 6146th Advisory group, Taegu, ROK, and the ROKAF Weather/C&E planning staff, late in 1962. The system was urgently needed to provide current weather analysis and prognoses to the Republic of Korea's modern military forces.

Development of the facsimile network is considered the first big step toward centralized weather forecasting in the Republic of Korea.



AGAINST the background of Saturn No. 4, which is slated for launching in April, are (1 to r) Lt Col Peter Romo, staff meteorologist, 4th Weather group, Brig. Gen. Roy W. Nelson jr., AWS commander, Col Thomas J. Arbogast, AWS chief of staff and Col Clarence E. Roache, AWS DCS/Operations.

Capt. Gets Air Medal

Capt. Jack Demedicis, formerly assigned to the 56th Weather Reconnaissance squadron, Yokota AB, Japan, was recently presented the Air Medal.

The presentation was made at his new assignment, the 1371st Mapping and Charting squadron, Turner AFB, Ga.

The Air Medal was awarded to Captain Demedicis for his outstanding handling of emergencies while participating in an aerial flight on Nov. 11, 1961 near Andersen AFB, Guam.

On that day, he was on a typhoon reconnaissance mission, which called for the fixing of typhoon Dot at sunrise and landing at Andersen.

During the flight, his WB-50 suffered the loss of its number one and two engines, and was further complicated by a frozen left wheel brake.

Faced with these extremely dangerous conditions, accompanied by adverse landing winds, Capt. Demedicis used outstanding

judgment and ability in handling his aircraft.

"Capt. Demedicis' outstanding actions and sound judgment not only saved the aircraft from possible damage, but saved his crew members from possible injuries," stated the citation which accompanied the Air Medal.

Second Place Taken In Writing Contest

It was recently announced that 1st Lt John A. Lasley jr., the youngest officer-forecaster at Det 1, 21st Weather Squadron, Torrejon AB, Spain, won second place in SAC's 1962 Combat Crew Safety Article Contest.

Lieutenant Lasley won a \$50 savings bond with his article entitled, "Have You Really Been Briefed?" He entered the contest while a SAC weather officer at 8th Weather Squadron, Hunter AFB, Ga.



Lasley



OBSERVING RECEIPT of the first radio facsimile weather chart transmitted from the ROKAF Weather Central in Seoul as it is received at the base weather station at Taegu are (1 to r), Col Kim Jae Sung, 73d Weather group commander (ROKAF), SMSgt William P. Jones, senior weather advisor, Det 5, 6146th AF Advisory group, Capt. Thomas Perry, C&E advisor, Det 5, 6146th AF Advisory group, and Capt Ra Moon Chul, commander, Det. 2, 732d Weather Squadron (ROKAF).

AWS Features

Face of the Future

Imagine yourself in an Air Force command post of the future. The senior controller prepares to launch a squadron of X-50s on a mission to resupply the Air Force station on Mars.

Nearby, at a console, sits the astrocaster, studying a three-dimensional map of the natural aerospace environment. At his left, a television receiver shows a plan picture of the current configuration and intensity of the Van Allen belts, based on data being telemetered from CROSS satel-

video-audio hotline links him with a solar observatory where an operational unit observes, analyzes and predicts solar activity that could result in deadly space showers of high-energy protons.

The astrocaster briefs the controller on the impending mission. Only after a thorough analysis of the current expected natural environment, backed by assurance that the astrocaster will maintain a flight watch while the mission is in progress, will the controller issue a "go" order.

New Dimensions

The astrocaster of tomorrow, only a few years ago, was concerned almost exclusively with weather support to routine Air Force activities. Fifty-thousand feet was the ceiling of his observations and forecasts, and clouds, hydrometeors, winds and temperatures of terrestrial weather were his stock-in-trade.

Today, however, the exploding technology of the atmospheric and space sciences has introduced new dimensions to the operational meteorologist's job. Just as air operations since the time of the Wright Brothers have been influenced by weather within the terrestrial atmosphere, so will aerospace operations to the limits of the solar system be affected by factors in the natural environment.

Gaining increased attention are meteorological - geophysical elements close to earth that were largely ignored prior to the aerospace age and refractive indices that affect tracking accuracies of precise radars.

As man pushes farther outward from earth, a host of natural environmental influences arises, creating a weather in space which is yet beyond scientific explanation. Indeed, there would seem to be almost a fateful parallel between the weather elements that have



MONITORING readout from the Packard-Bell 250 computer in the meteorological office at Cape Canaveral is Capt. Evert A. Schmidt, Det 11, 4th Weather group. The computer processes micrometeorological data from the Cape-wide Weather Information Network Display (WIND) system.

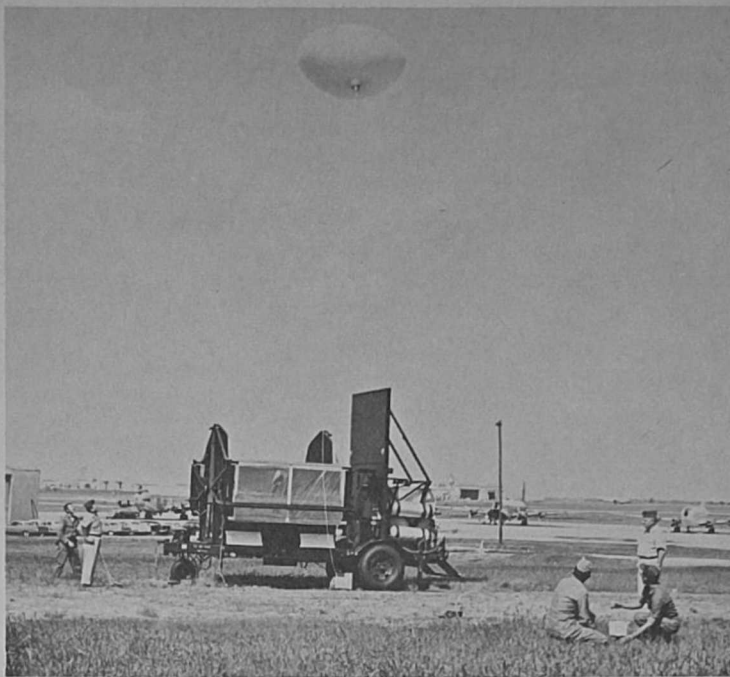
lites (Continuous Reporting Orbital Space Stations).

These observing platforms also report the presence of meteorites, expressing flux values in terms of skin penetrations per unit time, together with measurements of the so-called "solar wind," the stream of particulate matter emitted from the sun that would be expected to cause a space vehicle to deviate from a vacuum trajectory.

At the astrocaster's right hand a



VIEWING a model of a Minuteman installation at Norton AFB, Calif., with Brig. Gen. Samuel C. Phillips, AFSC's Deputy Commander of Ballistic Systems division for Minuteman, is Capt. Kenneth Pitchford, commander, Det 55, 4th Weather group, located at Norton.



TESTING the new TMQ-12 launch cart and hydrogen generator at Tinker AFB, Okla., are members of the 6th Weather squadron.

plagued aircraft since the Kitty Hawk and the space elements that will affect manned and unmanned space operations.

In the future hail damage and turbulence may compare to meteoroid impacts, the earth's cyclonic storms will compare to the storms that emit from the sun, thunderstorm effects on air-to-ground communications will compare with space communication blackouts caused by aurora disturbances and the buffeting of aircraft by terrestrial weather will compare to the threat to men and machines by deadly radiation in space.

Dual Support

Fourth Weather group has the enviable challenge of supporting two commands, Office of Aerospace Research and Air Force Systems Command, that will mostly affect what the aerospace force of the future will resemble. Between them they are responsible for the complete spectrum of Air Force research, development, testing and evaluation.

Office of Aerospace Research (OAR), commanded by Maj. Gen. Don Ostrander, Washington, D. C., plans and manages the Air Force basic research program and some of its applied research.

Air Force Systems Command (AFSC) is headed by Gen. Bernard Schriever, Andrews AFB, Md. It is responsible for development, initial production and procurement and checkout of all Air Force systems, a task that spends 40 cents out of every Air Force dollar.

Close parallelism between operational units and weather support units, long the hallmark of AWS support to the Air Force, is evidenced in 4th Weather group, also at Andrews AFB, Md.

Col Robert F. Long, 4th Weather group commander, is staff meteorologist to the commanders of OAR and AFSC. His headquarters staff functions as the office of staff meteorologist. Hq OAR, Hq AFSC and 4th Weather group detachments are collocated with divisions, centers and laboratories of the two commands.

At those locations where it is impossible to assign STAFFMETs in place; for example, the Arnold Engineering Development

center, Tullahoma, Tenn., and the Rome, N. Y., Air Development center, natural environmental support is provided from the office of the staff meteorologist, Hq AFSC.

Detachments of the 4th Weather group have two distinctly different responsibilities. They are responsible for the conventional observing and forecasting service to military activities, and the natural environmental assistance on research, development and evaluation programs that are carried out or managed by AFSC and OAR subordinate divisions, centers and laboratories.

The capability of a system to perform a specific task is inevitably affected by the natural aerospace environment. Consequently, environmental effects must be recognized and considered in system development. Some effects will prove to be insignificant, others can be designed out or minimized, and still others may be observed or predicted so as to improve system effectiveness by selecting the best times to operate them. Their neglect can lead only to delayed acquisition, decreased reliability and degraded performance.

Of vital concern during the evolution of any aerospace system



READINGS of atmospheric stability during installation and checkout of a Titan II missile site are taken by A3c Michael C. Seaver (foreground) and A1c Milton C. Scott, both of 6th Weather squadron (Mobile) on TDY at McConnell AFB, Kansas.

Wing Places High In Blood Program

Second Weather wing, Wiesbaden, Germany, finished seventh from amongst the 29 units participating in the recent Wiesbaden USAF Hospital 1962 Blood Donor Program.

Contributing personnel put the win over-the-top with a 131 percent of its assigned donor quota taking part. Contributing units were from the Wiesbaden area.

Quotas were based on adjusted organizational strength and distributed among organizations in the area. Providing blood for the hospital patients is a community project involving the lives of community members. The donor program is the hospital's major source of blood for patients.

is the likely effects of atmospheric and space parameters. No system, as it moves from theory to practice can operate entirely unaffected by the natural environment.

Gen. LeMay Speaks

In a recent letter to the chairman of the USAF Scientific Advisory Board, Gen. Curtis E. LeMay, Air Force Chief of Staff, said, "It is a fundamental necessity that the Air Force maintain an authoritative competence on the subject of its operating region. In engineering the systems and establishing operations of an aerospace military force, we are basically dependent upon our knowledge of the largely unknown aerospace environment."

As the Air Weather Service looks to the future, more questions arise than answers. What characteristics of natural Aerospace Environment (NAREV) will inhibit military operations? What characteristics can be used to advantage?

Only time and human perseverance will bring answers to these questions. One thing is clear, the role of the meteorologist is expanding from providing basic weather services to measuring, reporting, predicting and giving advice on exotic elements of the aerospace to unusual heights and accuracies.

The OBSERVER Spotlights



Detachment 7, 8th Weather Squadron

"Get 100 bulldozers on the other side of the Adirondacks, head them East and keep pushing until the hills are leveled to fill in the lake. This would not only aid in forecasting winds, but would also eliminate the lake effect."

This whimsical suggestion appears at the end of the gradually developing terminal forecast reference file for Det 7, 8th Weather Squadron, Plattsburgh AFB, New York.

Approaching its eighth birthday, the detachment serves the SAC base and Atlas missile sites situated along the shore of Lake Champlain, which lies in the valley between Vermont's Green mountains and the northern New York Adirondacks.

Truly an outdoor sportsman's paradise, the physical geography short length of climatological data and the scarcity of upstream weather reports make the area considerably less than a paradise for weathermen.

Oddly enough, the base is considered as a prime alternate by most northeastern flying units, including the Navy. When other bases have weather fit for ambulatory ducks, Plattsburgh is usually open. Considering all the SAC bases in 8th Air Force, only Ramey AFB, San Juan, Puerto Rico and Homestead AFB, Fla., have a lower incidence of below minimums weather during the winter season.

According to detachment commander, Lt Col Leonard E. Zapinski, "We have poor weather, but not very poor very often for long. Knowledge of the peculiarities of a yo-yo is very helpful."

Weather support is provided to the 820th Strategic Aerospace division, which consists of a B-47 wing, a KC-97 wing and the only strategic missile unit East of the Mississippi. The general concept and scope of SAC operations are generally understood much better than their intricate and detailed requirements for weather support.

CENTAG Holds Key Conference

A NATO Central Army Group (CENTAG) Meteorological Officers' conference was recently held at Heidelberg, Germany, headquarters of the 7th Weather Squadron.

Meteorological representatives of the German, French and US forces with CENTAG discussed the problem areas in meteorological and geophysical support in being, and planned for Hq CENTAG and its subordinate organizations.

Air Weather Service personnel attending were: Lt Col Walton L. Hogan, 7th Weather Squadron commander; Lt Col Frank W. Breitling jr., operations officer, 7th Weather Squadron; Lt Col Leon M. Grisham, operations officer, 31st Weather Squadron; Capt. William E. Cummins II, weather officer, 2d Weather Wing; and Capt. Douglass M. Hurt, weather officer, 7th Weather Squadron.



BRIEFING bomber crews on alert, via "poor man's weather vision," is Capt. Howard Van Vliet, a weather officer for the detachment.

Alert Force and Reflex operations, plus precision training for lengthy high and low level navigation, bombing and air refueling, impose a great workload on any SAC support weather station in terms of weather planning data preparation and briefings, mission briefings and weather observation dissemination. Also important is a peak maintenance effort to insure accurate observations for the safety of the nation's multimillion dollar strategic weapons.

Typical Day

During a typical day, detachment forecasters, beside across-the-counter briefings, present a minimum of 12 formal and semi-formal briefings to tactical commanders and key operations personnel.

To conserve manhours, the bulk of these are provided via "poor man's weathervision," in which group briefings are given by a forecaster in the weather station to a remote audience viewing duplicate briefing aids and listening to the amplified



DISSEMINATING a Pirep being relayed directly from control tower operators three levels above is A2c Joseph Czernai, Det 7, 8th Weather Squadron. He is on the 7th level of the control tower in the representative observation site.

termination of a private-line telephone.

Weather flimsies are used to provide SAC crews with in-hand data for alert and mission operations. In a month's time, a stack of paper, almost desk high, is run through the detachment's ozalid machine to reproduce forecast information not adaptable to the DD Form 175.

Electrowriter

To keep controllers in two command posts apprised of current and forecast weather for terminals, alternates and air refueling areas, the Electrowriter rolls out an almost steady stream of data on a 24-hour basis, seven days a week. To accommodate the many calls received from various base and control agencies, an 18-line telephone call director has been installed in the weather station.

Coping with the workload and eccentricities of local weather has not been too great a problem for the comparatively young detachment. For two consecutive years it has been selected as the outstanding detachment in the 8th Weather Squadron, thus meriting the squadron's Williams Award nomination for 1961 and 1962.

Further laurels were reaped with the recent announcement that the unit was selected as the outstanding detachment in 3d Weather Wing for 1962.

While proud of their past accomplishments, detachment personnel are inclined to give more attention to improving their record in 1963. This will be difficult for the observing section, led by MSgt John P. Witterski, since the Data Control division did not charge a single red or black error on any of Plattsburgh's WBAN 10s in 1962. In-station corrections averaged only an approximate two per month.

Accuracy and promptness of dissemination have been officially recognized by the host base. A permanent Plattsburgh AFB award, outstanding mission support by a weather observer, is presented quarterly to the top observer during each period.

Key Observer



DET 7 COMMANDER, Lt Col Leonard E. Zapinski (right) presents the host base award for outstanding mission support by a weather observer to A1c Charles W. Anderson. An outstanding technician, Airman Anderson has won the award, presented quarterly, three out of the last four times it was given.

Detailed Report on Earth's Atmosphere Now Available

A detailed description of the earth's atmosphere, intended to meet the needs of space age research and operations, is now

available in a new 278-page report.

The "US Standard Atmosphere, 1962" was prepared under the joint sponsorship of the US Air Force, the National Aeronautics and Space Administration and the US Weather Bureau, and it reflects the combined efforts of 29 scientific and engineering organizations.

AWS Participates

Air Weather Service participated and was represented by Mr. Herbert Appleman, Aerospace Environment consultant, Hq AWS, Lt Col J. C. Glover, chief, Scientific Requirements, and Services division, Hq AWS, and Mr. Roderick S. Quiroz, climatologist with the Climatic Center in Washington, D.C.

Although a similar "standard atmosphere" was published in 1958 by the same organization, COESA, the wealth of information recently acquired from rocket and satellite data pointed to a need for revision.

COESA is a group of scientific and engineering organizations, each holding national responsibilities related to the requirement for accurate tables of the atmosphere to high altitudes.

Wide Usage

The "US Standard Atmosphere, 1962" is intended for widespread practical application such as including aircraft altimeter calibration, aircraft and rocket design, aeronomy and space research. All data is presented in both metric and English units in anticipation of very wide scientific and engineering usage in the United States and other countries.

The report provides, in systematic tabular form and at regular intervals such as basic atmospheric parameters such as temperature, pressure, density, sound speed, particle speed, particle collision frequency, molecular weight, etc., and basic equations and curves for these properties.

Such specific recognition for weather observing support may well be unique among Air Force units. Augmenting the data collection activity of detachment observers are the personnel at 12 surrounding Atlas missile sites. Three-hourly, limited weather observations are recorded at all sites by crew members and security guards who have been given training by the detachment.

Forecasting Section

The forecasting section has been well occupied with more than issuance of routine forecasts. To cite only a few items, a weather problem involving ATO-contaminant fog was recognized last year and a field study, with experimental forecasts, is now in progress which has much promise for successful application at other northern clime bases. Facsimile integration charts were developed, easing forecasters' problems in determining which of the great variety of available fax charts is the best to use for a particular valid time.

A TAFOR interpolation graph was developed to simplify and speed accurate decoding for forecasts falling within change groups of the TAFOR code. Capt. Howard E. Van Vliet and 1st Lt Rufus D. McCollum handle wing weather officer responsibilities for the two tactical wings. Capt. Eugene R. Ternes is the chief forecaster.

Complete station remodeling, now in progress, will provide a much more effective and attractive working area. Lt Col Zapinski issued the invitation, "When you come to the North country to ski, skate, bobsled, hunt, fish or camp, drop in for a visit, and see if you can aid us in forecasting winds and the lake effect."

Moments . . .



IN 1958 general's stars for the AWS vice commander, Brig. Gen. Norman L. Peterson, are pinned on by Maj. Gen. Harold H. Bassett, AWS commander, now retired.



SWEDISH OFFICIALS visited Air Weather Service facilities in 1960. Midway through the two-week tour, Col Oscar Herrlin (right), chief, Military Weather Service, Royal Swedish Air Force, was presented the USAF Legion of Merit. Colonel Herrlin was accompanied on the tour by Lt Col Sven-Bertil Nordstrom (left).



ATTENDING a briefing at the Italian weather service headquarters in Rome are (left to right) General Peterson, Gen. Fernando Giansanti, Italian weather service chief, and Col Clarence E. Roache, AWS Operations.



REVIEWING products of the National Analysis Center in Rome, Italy, is General Peterson.

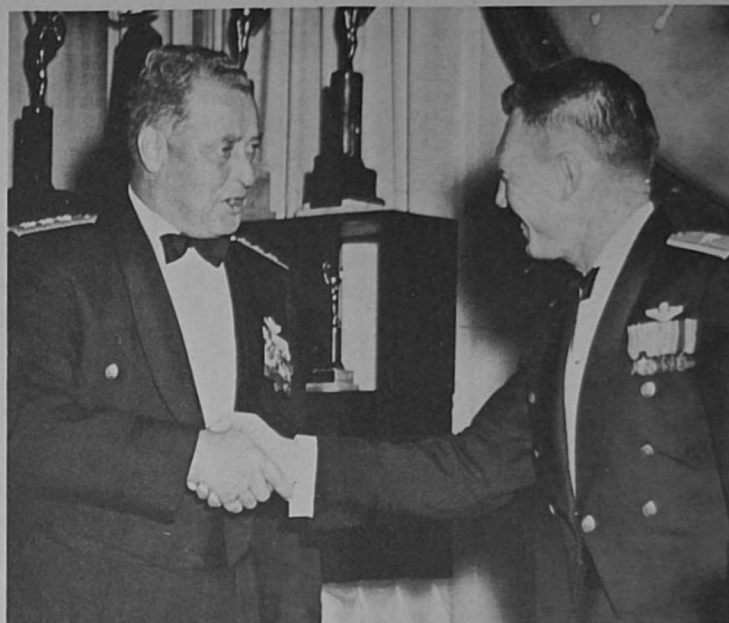


PUSHING the "start" button on the new IBM 7090 computer in the Global Weather Central at Offutt AFB, Nebr., in 1962 is General Peterson. The completely transistorized computer greatly expanded and speeded weather forecasting in support of SAC and other commands. . .



PHOTOGRAPHS taken from a Tiros satellite are displayed to European newspapermen by General Peterson, who was AWS commander when Tiros I, world's first space-based weather surveillance system, was launched in 1960. It remained operational for almost 79 days and sent back 22,952 photos of cloud formations. Presently, Tiros V and VI are in orbit.

. . . to Remember



CONGRATULATING General Peterson at the 10th national convention of the Air Force Association in 1962 is Lt Gen. Joe W. Kelly, Military Air Transport Service commander. General Peterson accepted the AFA Citation of Honor in behalf of the command.



VISITING AWS in 1961 was the director of the US Naval Weather Service, Capt. Sherman W. Betts (left). Captain Betts and accompanying members of his staff were given an AWS briefing and renewed acquaintanceships with General Peterson and other USAF weathermen.



GERMAN METEOROLOGISTS visited AWS headquarters in 1962 to familiarize themselves with meteorological problems and tasks connected with new weapons and military equipment.

First Recipient



PRESENTING the first Air Force Commendation Medal since his recent promotion is Brig. Gen. Roy W. Nelson Jr., (left) AWS commander. Major Charles H. Gover earned the award for his outstanding performance as chief, Career Actions division, Hq AWS Personnel, June 6, 1960 to February 28, 1963.

ON THE

skew-T AWS Global Report

Lt Col William J. Landsperger, Det 13, 8th Weather squadron, Ernest Harmon AFB, Newfoundland, was recently cited by Vice Admiral Rufus E. Rose, USN, commandant, Industrial College of the Armed Forces, for having completed the college's correspondence course with distinction.



Landsperger

The one-year correspondence course is open to qualified civilians in government, business and industry, as well as officers of all military components.

The Polaris Toastmasters Club, Elmendorf AFB, Alaska, recently welcomed two members of Det 13, 11th Weather squadron, into its membership, bringing the total number of weathermen in the club to six.

The two new weather members of the club are 1st Lt Walton W. Jones, a weather officer at the

Highlights of Air Weather Service personnel at work and play.

base weather station, and Lt Col Paul D. Thompson, commander, Det 13, 11th Weather squadron.

Other members from the unit include Maj. William C. Montgomery, club president; Capt. Thomas C. Herndon, sergeant-at-arms; Capt. Loren L. Lorenzen, and 1st Lt Ronald L. Godby.

Mr. Joe Restivo, Technical Services officer, Hq 4th Weather wing scientific services section, Ent AFB, Colorado, has been awarded a certificate for accumulating over 1,000 hours of sick leave.

His accomplishment compares to not missing a day of work in ten years.

Besides an occasional pill, Mr. Restivo concedes that most of the credit must be given to athletic participation and physical fitness.

A1c Courtney H. Fields, a supply specialist assigned to Hq 3d Weather squadron, Shaw AFB, S.C., recently completed a forty hour course at Shaw in buddy

Airman Fields' knowledge is to

Retirees

The following AWS personnel retired on dates indicated. The listing is by rank and month of retirement.

FEBRUARY 28, 1963

Col Sidney T. Smith, Hq WESTAF, Travis AFB, California.

Lt Col David C. Barrow, 6th Weather squadron, 4th Weather group, L. G. Hanscom Field, Massachusetts.

Lt Col Louis E. Evans Jr., Hq 8th Weather group, Scott AFB, Illinois.

Lt Col Harold A. Jacobs, Det. 1, 35th Weather squadron, 4th Weather wing, Adair AFS, Oregon.

Lt Col Francis W. Murray, Hq 3d Weather wing, Offutt AFB, Nebraska.

Lt Col Robert C. Ross, Hq AWS, Scott AFB, Illinois.

Lt Col Richard L. Tatum, Det. 24, 26th Weather squadron, 3d Weather wing, Bergstrom AFB, Texas.

Maj. Michael J. Cleary, III, Hq 4th Weather group, Andrews AFB, Maryland.

Maj. Francis E. Powell, Det. 13, 24th Weather squadron, 8th Weather group, Tinker AFB, Oklahoma.

Maj. Newman M. Warren Jr., Det. 20, 9th Weather squadron, 3d Weather wing, Beale AFB, California.

Capt. John H. Hannon, Det. 2, 9th Weather squadron, 3d Weather wing, Davis-Monthan AFB, Arizona.

Capt. Arthur C. Danner, Det. 2, 2d Weather group, Langley AFB, Virginia.

Capt. Thayne O. Mauch, Det. 18, 9th Weather squadron, 3d Weather wing, Larson AFB, Washington.

Capt. John E. Pushcar, Hq 3d Weather wing, Offutt AFB, Nebraska.

CWO W-4 Howard E. Winch, Det. 40, 8th Weather group, Wright-Patterson AFB, Ohio.

CMSgt Peter L. Kobisek, 1210th Weather squadron, Bolling AFB, D.C.

SMSgt Arthur J. Stevens, Hq AWS, Scott AFB, Illinois.

MSgt Eugene F. Hummer, Det. 31, 25th Weather squadron, 2d Weather group, Nellis AFB, Nevada.

MSgt Neal R. Meredith, Det. 22, 31st Weather squadron, 2d Weather wing, APO 10, New York, New York.

TSGT Giles W. Vick, Jr., Det. 3, 28th Weather squadron, 2d Weather wing, APO 179, New York, New York.

SSgt Roy D. Milton, 33d Weather squadron, 4th Weather wing, Truax Field, Wisconsin.

be utilized in instructing other members of the squadron and Detachment 4 personnel (base weather detachment) in the important facets of buddy care.

He was presented a certificate of completion by 1st Lt William C. Stewart, 3d Weather squadron supply officer.

1st Lt William C. Stewart, 3d Weather squadron supply officer, Shaw AFB, South Carolina, recently received the USAF Outstanding Supply Officer certificate.



Stewart

Lieutenant Stewart has supervised the supply functions of the squadron headquarters and subordinate detachments for the past two years.

Capt. Salvatore J. Leombruno Jr., materiel control officer, 53d Weather Reconnaissance squadron, has been selected as an outstanding supply officer for the second consecutive year.

Selections are based on effectiveness ratings, level of previous assignments, breadth of experience in supply, manner of performance in current assignments, training and growth potential and other factors. The certificate is signed by General Curtis E.

Round-the-Clock



LONELY OBSERVER, SSgt Harold Dail Jr., Det 12, 15th Weather squadron, Olmstead AFB, Pa., proves the theory of round-the-clock weather support as he takes visibility observations in a halo of overhead lights.

LeMay, Air Force Chief of Staff.

The officers' wives of 2d Weather wing, Lindsey AS, Germany joined the Headquarters squadron in an overall program to improve the living conditions and furnishings in the Airmen's quarters.

The program which began over a year ago, provided for procurement of new furniture, a washing machine and electric dryer, refurbishing game room items and painting the interior of the billets.

Murals were added on two of the walls in the dayroom by the recently assigned illustrator TSgt Ollie E. Chapman, an accomplished artist in his own right.

The finishing touch was added by the wives when they presented the airmen with new drapes for the dayroom.

1st Lt Donald P. Bahr, Det 4, 3d Weather squadron, Shaw AFB, South Carolina, was recently presented a letter of commendation

by Brig. Gen. Horace D. Aynesworth, TARC commander, Shaw AFB, S. C.

Lieutenant Bahr was cited for his outstanding performance in support of the

363d Tactical Reconnaissance wing, located at McDill AFB, Fla., during the Cuban crisis.

His exemplary performance received further praise from his detachment commander, Maj. Earl S. Goodale, and squadron commander, Lt Col Robert B. Hughes.

Col Eugene Wallace, commander, 56th Weather Reconnaissance squadron, Yokota AB, Japan, recently won a model WB-50 aircraft in a unit safety pledge contest.

The contest lasted for one month. Colonel Wallace's entry was drawn from entries submitted during the contest period.

This was the second safety contest held in the squadron this fiscal year. The first lasted for three months in which 12 model WB-50 and three B-57 aircraft were presented. Both aircraft are flown by the unit.

Capt. Keith M. Burrows, a weather officer of Det 13, 11th Weather squadron, Elmendorf

AFB, Alaska, was recently awarded the Alaskan Air Command Certificate of Worthy Educational Achievement.

The award was given in recognition of his participation in the Air Force off-duty education program. Captain Burrows qualified for the award by completing approximately 30 semester hours of college work in mathematics, psychology, and education at the University of Alaska center on Elmendorf AFB.

Two Japanese employees of the 56th Weather Reconnaissance squadron, Yokota AB, Japan, were recently presented certificates for their contribution to an excellent ground safety record.

The two men, Mr. Hauime Kazari and Mr. Toshiji Shimada, were ground safety representatives for the unit, which boasts a record of two consecutive years without accidents among its Japanese employees.

Col Eugene Wallace, squadron commander, presented awards and letters of congratulations.

Arbogast...

(Continued from page 1)

ant regional control officer for the 2d Weather region, inspector general of both Continental and 43d Weather wings and AWS deputy chief of staff for operations.

In addition to the 15th Weather squadron, he has commanded two other AWS squadrons, the 10th and the 12th. While in Europe, he served as staff weather officer to Allied Forces in Central Europe.

Colonel Arbogast enlisted as a private in 1938, attended forecaster school at Chanute Field, Ill., in 1940-41 and went to officer candidate school in 1943. Following his commissioning as a second lieutenant, he completed the advanced weather course at Chanute AFB.

He is a 1955 graduate of Air Command and Staff college and has completed the NATO atomic course and the British Royal Air Force course on air-ground operations.

Mrs. Arbogast is the former Ida Mae Stephenson of the colonel's hometown of Pottsville, Pa.

Lt Col C.R. Hoyle Gets Cash Award

Lt Col Charles R. Hoyle jr., commander, Det 13, 15th Weather squadron, Robbins AFB, Ga., is saving Air Weather Service \$23,360 because of a time-saving idea, and for his endeavors he is \$250 richer.

Colonel Hoyle discovered that an Air Force weather form required a great deal of standard information each time it was used.

By converting to litho-offset printing, the standard information was pre-entered and additional time was saved by being able to immediately reproduce hundreds of completed forms for distribution. The improvement saves the Air Force 8,000 typing hours per year and \$23,360.

Colonel Hoyle's first award earned him \$100 in the Robbins AFB suggestion program. Then being a member of a tenant unit of the huge Warner Robbins Air Materiel Area, he was eligible for the lucrative Air Force Logistics Command Military Suggestion contest. Here he garnered an additional \$150.

The 42-year-old Shawnee, Okla., native stated that with his two sons, ages 12 and one, he would have no problem finding a way to spend the money.



PLACING the finishing touches on a change to a weather form which earned him \$250 and is saving AWS \$23,360, is Lt Col Charles R. Hoyle jr., commander, Det 13, 15th Weather squadron, Robbins AFB, Ga.

Before the days of instrument flying when pilots navigated visually, a qualifying examination for an airline pilot required him to name "all the hamlets, rivers, mountains, and Indian villages" on his route.

The first tornado forecast by MATS' Air Weather Service was made at Tinker AFB, Okla., in 1948.

Promotions

(Continued from page 1)

2d Wea. gp

David S. Jaynes jr., Elmer W. Lyons, Ervin N. Yawn and Jesse G. Watson.

4th Wea. gp

Walter P. Mardyla, William G. Montgomery, Donald B. Seeko, Charles H. Thompson and Felix M. Johnson.

8th Wea. gp

Joseph S. Brown, Michael J. Mizak, Paul R. Landers, Peter L. Miller, David E. Bayless, Clyde Howell, Blake A. Jenkins, Cecil E. Bruton, Harry I. Mosher, Jack H. Richard, Harry C. Simms, Ferdinando Naso and Willard C. Haga.

9th Wea. Recon gp

Paul W. Vorhes, William H. Wert, Keith M. Kevan, James T. White, Paul J. Beretsky, James H. Duncan, Cruz Pettinato, Wayne W. Woodruff, Earl J. Sproule and Louis M. Brannon.

1210th Wea. sq

Albert E. Gaylord and Bernard D. Blom jr.

To Chief Master Sergeant

1st Wea. wg

Robert L. Kline, Gene J. Daley, Manning B. Hatcher, James L. Rosenberry, Harold L. Huston and Arthur E. Germani.

2d Wea. wg

Frank N. Faggion and James R. Berry.

3d Wea. wg

Lloyd F. Gillam and Harold F. Swords.

4th Wea. wg

Kenneth W. Demars, Alvin W. Knight, Robert P. Tracey, Lyle D. Way and Paul R. Peaslee.

2d Wea. gp

Claude H. Rumsey, Robert E. Stooksberry and Francis R. Shottos.

4th Wea. gp

Charles D. Morris, Richard B. Pierson, John P. Schumacher and Doyle H. Wilson.

8th Wea. gp

Billie L. Shuptrine, Merlin J. Vandunk, Robert M. Keith, Dan M. Chadwick and Wyatt T. McKay.

9th Wea. Recon gp

Francis P. Carroll, Robert E. Clark and Gates H. Montgomery.

1210th Wea. sq

William C. Swanner.

Johnson Studies Worms Then Predicts Weather

"It will get as cold as eight degrees below zero this winter, but the wind will make it seem like 16 below," predicted Clark W. Johnson of Bellefontaine, Ohio who is known as the "wooly worm weather prognosticator."

Johnson, who has pickled proof of his prowess as a prophet, says that for 30 years he has never missed by more than two temperature degrees or two snows in his forecasts.

Every year, at a certain time, Johnson looks over the wooly worm population and then pickles a choice specimen, preserving it in alcohol for posterity.

From the thickness of the worm's fur he forecasts the severity of the winter—heavy coat, hard winter.

From the color of the fur he makes another prognostication on the temperature and also a forecast as to length of the cold spell. The darker the fur, the colder the winter. Position of the dark fur on the worm, he says, indicates when the coldness will come—in early winter if dark fur is concentrated near the head, or at the end of winter if concentrated near the tail. If the worm is all dark, it's going to be a long hard winter. Johnson, who is 81, predicted 56 snows in Ohio, and he has already listed 29 somewhere in the state.

He talks to clubs on his hobby of three decades, and receives requests from as far away as California, Michigan and New York for his forecasts.



DISPLAYING his ensemble of pickled worms is Clark W. Johnson, the "wooly worm weather prognosticator" of Bellefontaine, Ohio.

Weatherman's Wife Dances for Japanese

At a recent six-hour dance recital in Tokyo, Japan, a geisha girl did a solo before 1500 Japanese people. The beauty of her costume and her dancing skill produced roaring approval from her captivated audience.

She danced the story of "Kojino-Tsuki," or "Moon Over the Ruined Castle," one of the most famous stories to come from old-

American.

Since arriving in Japan in April 1961, Mrs. Nicholas J. Sabanovich, wife of Capt. Sabanovich, 56th Weather Reconnaissance squadron, Yokota AB, Japan, has been studying the art of classical Japanese dancing at one of the few schools left in Japan, Azuma School of Classical Dancing in Tokyo.



Not Japanese . . .



. . . but American

en-day Japan. Her entire wig was decorated with ornaments and she wore an exquisite orange silk kimono with gold and silver designs and a long, hanging obi. Her make-up and costume took over two hours to prepare, using six make-up men.

She was a true picture of Japanese femininity, but surprisingly enough was not Japanese but

In addition to learning Japanese dancing, Mrs. Sabanovich has been studying the Japanese language and finds no difficulty in conversing with the people. Her three-year-old son, Nicola, is enrolled in a Japanese school and has encountered no difficulty in the language barrier with his 300 Japanese classmates.

Merewether . . .

(Continued from page 1)

a joint contribution) who has made the most significant technical contribution to military meteorology during the year.

Major Smith developed a computer program and procedures to automate the support provided by 1st Weather wing to an important Air Force tactical weapons system. His efforts have resulted in the development of the first, effective, fully-automated weather support system for a tactical weapons system.

Runners-up for the Merewether award were: MSgt Pedro C. A. Ahlmark, 2d Weather wing, Lindsey AS, Germany; Maj. Ralph R. Ruyle jr., 4th Weather group, Andrews AFB, Washington, D. C.; and 1st Lt Donald D. Grantham, Det 11, 16th Weather squadron, Fort Sill AI, Okla.

Zimmerman Award

The Zimmerman award named in honor of Brig. Gen. (then Col) Don Z. Zimmerman (Retired) Director of Weather, Army Air Forces 1942, is awarded the AWS individual who has demonstrated the best application of climatology during the year or has developed a device or technique which has proved of greatest value in furthering the AWS

climatology program.

As a result of his initiative, resourcefulness and aptitude in applied climatology, Capt. Cale made an outstanding contribution by developing a method to derive vertical wind profiles to support the Air Proving Ground Center. His method provides seasonal and annual vertical distribution of horizontal wind speeds for various probability levels and for selected directions from the point of vehicle launch as specified by the Range Safety branch, APGC.

Runners-up for the Zimmerman award were: Capt. Albert B. Hollinden, 1st Weather wing, Fuchu AS, Japan; Capt. Gary D. Atkinson, Climatic Center, Washington, D. C.; Maj. Donald C. Winner, 2d Weather wing, Lindsey AS, Germany; Mr. Irving Solomon, Climatic Center, Washington, D. C.; Maj. Thomas A. Prizio, 2d Weather group, Langley AFB, Va.; and Lt Col Charles E. Archambault, 7th Weather squadron, Heidelberg, Germany.

The scientific approaches to the contributions made by Major Smith and Captain Cale are indicative of the scientific and professional stature of Air Weather Service.

The average density of the atmosphere at 1,000 miles above the earth is about one quadrillion times lower than at sea level.



by SSgt Milton J. Lehart

Happy Vernal Equinox to all AWS sportsmen. It's that time of year when the TV hibernationists come out and the semi-dormant winter athlete perks up to all the challenges of Spring activity. Data reception on the weather sports net has been a little slow, but understandably so during this transition season.

The "Reconners" of the 53rd Weather squadron at Kindley AFB, Bermuda just about own the island's bowling lanes. In the Commander's Trophy league they are holding down first place with a 64-28 won-lost record. With two entries in the Independent League; team number one of the 53d is way out in front by eight games, while the "Reconners" number two squad holds a respectable 47-37 slate in the 16 game competition.

SSgt Raymond Woods, also of the 53rd, helped trigger the Kindley pistol team to the championship at the 12th Annual Bermuda Bisley rifle and pistol event.

Seventh weather squadron's bowling bunch took on the parent 2d weather wingers in a match game at Heidelberg, Germany. While winning the three game match by 163 pins; it is safe to assume they lost "points" with the wheels at Lindsey AS.

The McGuire volleyball squad had to forfeit their third game of a, so far, winless season in the McGuire intramural league.

Men of Det 20, 15th Weather squadron, Donaldson AFB, South Carolina, helped the 63rd wing team to a fourth place finish in intramural basketball. These hoopsters had a very respectable 15-7 record.

Hq AWS bowling squads hope they can continue their present pace in the Scott AFB intramural bowling league competition. The officers' Wednesday night entry, "PLOPS," is burning things up as their domination of league play continues. These first place kegglers are being paced by Lt Col Wendell Phillips, Lt Col Lamar Peterson, Lt Col Fred Franz, Maj. Henry Seivers and Capt. Francis Freeman. In the intramural divisions, both AWS entries are showing their heels to AFCS, MATS and seven other base squads.

The AWS "B" squad is eight games ahead of nearest competition with a 26-6 log. SSgt Jesse A. Hill is holding a 181 average in this "slow" circuit. Thus far, in second half play, the AWS "A" five is holding down first spot by one-half game. Maj Alvin Kellogg is again leading the loop with a 191 average.

On Feb. 6, Maj. Kellogg teamed-up with professional bowler Ed Bourdase in the pro-amateur competition of the St. Louis Professional Bowling Association Open tournament. Their three game doubles score of 1182 was out of the money.

More bowling accomplishments, this time on the distaff side. Charlene Shuptrine, wife of SMSgt Billie E. Shuptrine, Det 19, 15th Weather squadron, won the fifth bowling section contest conducted by the Army-Air Force-Navy Times in Europe. Competing against thousands of other bowlers, Charlene rolled a 620 scratch series to win a new bowling ball.

TSgt Fred Roger of Det 21, 31st Weather squadron, Ramstein Air Base, Germany, a veteran of 18 years of officiating basketball games, certainly had his share of honors during the 1962-63 season. He was elected rules interpreter for the Germany board No. 144 of the International Association of Approved Basketball Officials (IAABO). In September 1962 he attended the IAABO rules clinic in New York City. At that meeting Fred was awarded the IAABO "Oscar" as the individual who came the greatest distance to attend the meeting. But his greatest honor was his selection to officiate in the USAFE basketball championship tournament. Due to return to the ZI this Spring, Fred is looking forward to another season of "whistle tooting" next year at Barksdale AFB, La.



FOUR Det 11, 4th Weather group officers (l to r) Capt W. I. Christensen, Maj. J. M. Dunn, Lt Col H. R. Montague and Capt. L. R. Tucker smile with pride after taking nearly 50 percent of the prize money at a recent Patrick AFB bowling tournament.



COMPLYING with the latest trend toward distance walking, A2c Richard A. Mallory, Det 42, 8th Weather group, Kansas City, Mo., recently performed a 50-mile walking and sprinting session in nine hours and 59 minutes, including a 30-minute stop for lunch.

Births

MINGO, SSgt and Mrs. Ray F., a son, Patrick Jerome, born February 17, 1963, at USAF Hospital, Scott AFB, Illinois. Father assigned to Hq AWS, Scott AFB, Illinois.

SZAFRANSKI, TSgt and Mrs. Harry, a daughter, Deborah Kay, born February 25, 1963, at USAF Hospital, Scott AFB, Illinois. Father assigned to Hq AWS, Scott AFB, Illinois.

EVANS, SSgt and Mrs. Sylvester A., a son, Scott Thomas, born March 9, 1963, at USAF Hospital, Scott AFB, Illinois. Father assigned to Hq AWS, Scott AFB, Illinois.

Four Bowlers Pace Tourney

Four members of Det 11, 4th Weather group, Patrick AFB, Fla., recently entered and walked off with nearly 50 percent of the prize money during a mid-season single-doubles bowling tournament.

The four weathermen competed against 36 of the AF Missile Test center's best bowlers in an event which was held for members of the Patrick AFB Officers' league.

Taking top honors in the tournament were Lt Col H. R. Montague and Maj. J. M. Dunn who captured first place in the handicap doubles event with a 1241 total.

Capt. L. R. Tucker placed second in the handicap singles with a 658, while Capt. W. I. Christensen jr., rolled a 256 scratch, 277 with handicap, to take high game honors and place fourth in the handicap singles event with a 649.

Besides their bowling talents, the four officers have helped the detachment's basketball team in the base intramural league.

As a result of their active participation in sports, all of the detachment's over-40 group passed their 5BX tests and are ready for further athletic challenges.

Lt Jones Finishes First In Operation Snowball

Long distance runner, 1st Lt Jerry Jones, Det 12, 15th Weather squadron, Olmsted AFB, Pa., reached new heights of athletic achievement by winning the second annual "Operation Snowball" series consisting of eight grueling long distance runs, sponsored by the District of Columbia AAU and Road Runners club.

The eight events were conducted weekly throughout the months of January and February, with the distances for each race varying from 13 to 26 miles. Points were awarded for placing in each event and an overall champion was selected on the basis of total accumulated points.

Lieutenant Jones placed consistently high in each race. In the last event on February 24, he

had his best performance. The event was the DC Marathon which also served as the National AAU Junior Marathon championship and the DCAAU Marathon championship. The 26-mile race began at Mt Vernon and terminated at the base of the Washington monument.

Forty-three runners started in the event and had to endure the worst possible running conditions.

With a time of two hours and 52 minutes, Jones slogged to fifth place in the event. He also won third place individually and shared first place team honors in the DCAAU championship phase of the race.

The performance enabled him to win "Operation Snowball" with a final cumulative total of 129 points.

3d Wing Kegglers Set New Record

The five-member inter-squadron league bowling team of Hq 3d Weather wing, Offutt AFB, Nebr., cemented itself into first place and established a league record recently by dropping a total of 2,982 pins.

CMSgt Lowell Tschupp paced the team with a remarkable 652 three-game series, while 2d Lt Warren Wisner rolled a 648, and A1c Steven Mekis toppled 582 pins.

Capt. Ralph Putman bowled a 566 series, and SSgt Kermit Cornelius had a very respectable 534.

By taking all four points and downing 2,982 pins, the 3d wing bowlers padded their first place record and increased the league team total record from a previous high of 2,939, a mark they had set earlier in the season.

The Offutt AFB inter-squadron league is about two-thirds complete and is a no-handicap league. The wing has led the competition for several weeks and is well ahead of those contending for top honors.



DESIGNATED as one of the few distinguished marksmen in USAF and one of the best rifle shots in AWS is SSgt Richard L. Durand, Det 2, 11th Weather squadron, Eielson AFB, Alaska. Sergeant Durand recently earned the Silver Excellence-in-Competition Rifle Badge.



RECEIVING the 1962 Bloodmobile trophy on behalf of his detachment is TSgt John C. Samples, Det 4, 35th Weather squadron. Making the presentation is Col John D. Coffey, Deputy Commander for Services, McChord AFB, Wash., as Major James E. McCree, detachment commander, looks on. The unit won the trophy with an average monthly donation of 825 percent of monthly quota based on available manpower. This is an average of more than one gallon per month from less than 40 men. Continuous winning of the top spot in the blood program has been the detachment's privilege since 1960, during which time they donated as much as 23 pints in a single month.