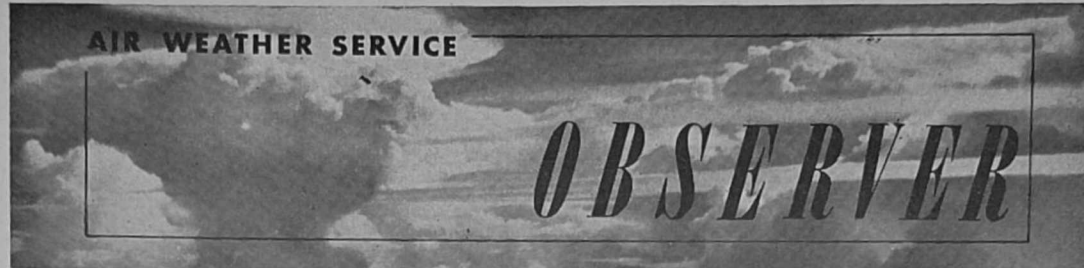


### CHECK CLOSELY

The most important part of an individual's personnel records, his Emergency Data (AF Form 245-3), is very often neglected until it is too late. Each individual should personally insure that all information listed in his record of emergency data is complete.



The Weather Component of the Military Air Transport Service

Vol. 7, No. 8

Headquarters, Air Weather Service, Scott AFB, Ill.

August 1960

### BIG BOOST

One out of three airmen now holding airman second-class grades will be wearing airman first-class stripes within a year, according to predictions of USAF personnel officials. Over 50,000 airmen second-class will receive an additional stripe in fiscal year 1961.

## 55th Recon Squadron Receives Senter Award

The Senter Award, symbolic of outstanding aerial weather reconnaissance performance, has been won by the 55th Weather Reconnaissance squadron, based at McClellan Air Force Base, Calif.

The presentation of the award was made by Brig. Gen. Norman L. Peterson, AWS commander, in ceremonies at the 55th's home base. Lt. Col. Harvey P. Hall, commander of the 55th Recon squadron, accepted the plaque for his unit.

### Honors Former Commander

This award is given in honor of Major General William O. Senter, commander of Air Weather Service from 1950 to 1954. It is given to the weather reconnaissance unit that continuously demonstrates an ability to surpass established norms in the areas of mission accomplishments and operational readiness.

The award is made annually and is based on achievement during the calendar year. The 55th Reconnaissance squadron received the award for excellence in aerial weather reconnaissance during 1959.

(See photo on Page 3)

## Col. Bundgaard Attends Scientific Union in Helsinki

Lt. Col. Robert C. Bundgaard, Scientific Services Officer for the 4th Weather wing in Colorado Springs, is presently in Helsinki, Finland as one of the United States representatives to the 12th General Meeting of the International Union of Geodesy and Geophysics.

The purpose of the meeting is the international exchange of knowledge and recent progress in the fields of geophysics and geodesy. The topics discussed are to include space exploration, solar investigation and meteorological research.

### Games with Names

Members of Yokota's 56th Weather Reconnaissance squadron must watch their diction in the future to avoid confusion.

A call for the assistant squadron navigator must be carefully pronounced Smolar, or it's likely to be answered by Moeller, the maintenance officer, or even by Koehler, a new pilot at the 56th from Travis.

Normally, the Air Force solves problems like this by the use of a title denoting rank, but this, too, breaks down here. For Smolar, Moeller, and Koehler are all majors.

### Permanent Colonels

Six Air Weather Service officers have been selected for promotion to the permanent grade of colonel in the Regular Air Force.

They are: Colonels William S. Barney, 9th Weather group; John J. Jones, 1st Weather wing; Clarence E. Roache jr., Headquarters, Air Weather Service; Robert L. Sorey, 26th Weather squadron; Ralph G. Suggs, 5th Weather group, and Frederick J. Cole, Headquarters, USAF.

## West Berlin Seeks Airlift Victims' Kin

The West Berlin government is holding \$410,000 in trust to be distributed in pensions and grants to dependents of persons who died while performing duties in the Berlin Airlift.

Besides granting pensions, the fund also pays off certain obligations of the deceased, such as mortgage payments. American families can receive a supplementary pension of \$25 per month or a lump sum of \$3,000.

Further information about the trust fund can be obtained from Berlin Sen. Paul Herz, Rathaus, Berlin-Schoeneberg, Berlin, Germany.

### Blue Plate Flights

The Air Force's "Blue Plate Special," a thrice-weekly MATS flight from Andrews AFB, Wash., to Paris, is scheduled to join the jet age some time after October.

Headquarters officials said that contract negotiations will be resumed with civilian airlines to provide the jet service.

The use of jet transports would cut the air time from about 18 hours to about six.



TSgt Alex East jr.

## Heroic Acts Win Air Medal For 55th Weatherman

TSgt Alex East jr., a WB-50 Flight Engineer of Detachment 3, 55th Weather Reconnaissance squadron at Kindley AFB, Bermuda recently received the Air Medal at a parade and review held at Kindley.

While at Bunker Hill AFB, Indiana, just before his assignment with the Weathermen, TSgt East distinguished himself by meritorious achievement while serving as flight engineer of a KC-97G aircraft on April 23, 1959 and again on May 11, 1959. On both occasions, Sergeant East risked his life to detach power input wires from a burning 300 ampere, 750 volt alternator-regulator, located

(Continued on Page 8)

## 10th Weather Group Wins Williams Award

The Williams Award, the highest honor bestowed by Headquarters Air Weather Service, given annually to the outstanding weather detachment in the world-wide network of Air Weather Service units, was won by Detachment 18 of the 10th Weather group.



TSgt W. A. Rise (right)

The citation accompanying the award praised Detachment 18 for the outstanding service it rendered to a very large number of using agencies, each with exacting and extensive requirements for weather support. "Superior management, high technical skill, and intense dedication to duty" were cited as the principal reasons for the success attained.

### Unique Problems

The detachment serves strategic, aerial reconnaissance, air refueling, air defense, and air transport elements. Providing forecasts for twelve types of aircraft, whose levels of operation vary from 500 to 50,000 feet and whose fuel ranges vary from 3 to 18 hours, poses unique problems due to the very diverse nature of the requirements.

The detachment's solution has (Continued on Page 8)

## Inventive Sergeant Designs Wind Data Computer System

A new range weather facility has gone into operation this week at White Sands Missile Range's Small Missile Range.

A low-level wind data computer system, another product of Air Force Technical Sergeant Wilburn A. Rice, Detachment 24, Fourth Weather group, was installed in new quarters to expedite weather information in support of missile programs at White Sands Missile Range.

### Three Major Devices

The mechanical minded airman, who within the past two years has contributed three major devices and numerous smaller (Continued on Page 8)

## Recon Briefing to Japanese Cadets In Own Language

Over 400 Japanese Self-Defense Force Army Cadets received a briefing from the 56th Weather Reconnaissance squadron in their own language. They toured the Yokota squadron the latter part of July with one more visit scheduled this month.

Capt. Shoji Takasugi, a native of Wilder, Idaho, an airborne weather observer with the 56th WRS, explained to the four groups of cadets in their own tongue, the squadron mission and the equipment used by the Air Weather Service unit to gather meteorological data.

### Publishes Book

MSgt John G. Spadone, engine inspector with the 56th Weather Reconnaissance squadron, recently published a book about rare Japanese, Korean, and Manchukuo coins.

Spadone, a well-known numismatist, or collector of rare coins, compiled his book to provide an inexpensive medium for Oriental coin collecting. Its pages contain tips for beginners, plus advice on the determination of value and the care of a coin collection.

In addition there is a catalogue of rare oriental coins including their size, date, weight, metal content, mintage, and value.



PROUD WEATHERMEN of Detachment 18, 10th Weather group, winners of the coveted Williams Award. Left to right: Maj. Harold E. Collins, chief forecaster; TSgt J. G. Defoe, chief observer; Maj. Russell B. Sylvester, Detachment 18 commander; Col. Eric T. DeJonckheere, Yokota airbase commander, who made the presentation; and Col. Russell K. Pierce, 10th Weather group commander, who attended the presentation ceremonies.



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.

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BRIG. GEN. NORMAN L. PETERSON

Commander, Air Weather Service

MR. JOHN D. RUGG, Director, Information

MSGT JOHN F. COYNE, Editor

## US Air Force -- Aerospace Power for Peace

### The Next Presidency: A Man's Greatest Test

We shouldn't for a minute let the traditional hoopla that marks American political conventions blind us to the dead seriousness of the November election itself.

The victor faces the greatest test of a man's character in US history. Anything can happen between now and next Jan. 20—indeed, it's a period that calls for unwavering national vigilance. But beyond it loom the enormous issues and problems the new President will inherit. The world has changed since Adm. George Dewey could say that "the office of the President is not such a very difficult one to fill, his duties being mainly to execute the laws of Congress."

We as voters will select the man to fill that office. What measure of values will we employ in making up our minds? It is too grave a choice to be determined by features of personality alone. What counts are the man's ideas—about national and international issues—and his program for safeguarding the free way of life we know.

Once we are truly aware of the vast responsibility the presidency in the next four years entails, we can scarcely go to the polls in a carnival spirit. We can't cast our ballot because we prefer one man's chin or smile or phrase-making to another's.

From now to November let's never forget that our future as a nation hinges on the ability of the President we select to captain us through a fateful time in history—when the values we cherish most are under attack. His will be a job unenviable in the enormity of its pressures, but a proud one to fill if he takes it on with our nonpartisan support.

### Letter to "Freedoms" Can Help You Vote

An act as meaningful as casting your ballot in the 1960 presidential election is not one to be undertaken frivolously. It deserves forethought and deliberation. And is there any better way of marshaling our ideas and convictions than to put in writing what it means to be an American voter?

This year's subject for Freedoms Foundation's Letter Writing Awards Program—"My Vote—Freedom's Privilege"—gives each of us an excellent chance to clarify our thinking before Election Day. Unless we have a sound understanding of the free elective system that underlies our democratic life, we are in danger of making our fateful choice impetuously—of misusing our vote.

Critics of the democratic way often accuse Americans of fuzzy political thinking and of gullibility to catch-all phrases and panaceas. Are we guilty of exercising our precious franchise without giving our decision hard thought? Such hard thinking is exactly what Freedoms Foundation hopes to stimulate among Armed Forces voters in this election year.

Don't wait until Nov. 1 to put in the mail, in a letter of 100 to 500 words, your personal statement of what Nov. 8, 1960, means to you. The Letter Writing Awards Program has unique significance this year. It's a challenge to every one of us. If we really feel deeply about our responsibility as voters, we owe it to ourselves to give that feeling expression.

### Procedures Set for Pro-Pay Requalifying

Airmen who qualify for pro-pay do not have to go through the procedures of requalifying every year.

Instead, commanders now have authority to require "revalidation" of an airman's skill level if his performance indicates such a check is in order. Elimination of

the annual re-exam is expected to save a considerable amount of time and money.

About 50,000 airmen are now drawing P-1 (\$30), P-2 (\$60), while authorized for payment earlier this year, has not been awarded to anyone so far.

### ON THE

## skew-T AWS Global Report

From around the world and across the nation come more highlights of AWS personnel at work and at play.

Air Force commendation medals were awarded to the following Air Weather Service personnel:

Lt. Col. Carl H. Helman jr., Lt. Col. John N. Highley, Maj. Robert G. Waechter, Maj. James B. Jones, Maj. Forrest R. Miller, Maj. George D. Thurman, Capt. Frank W. Contestable, Capt. Donald H. Watt, CWO Carl E. Harris, MSgt William C. Burdine, TSgt Charles A. Ravenstein, SSgt Clarence L. Robbins.

The quarterly Noncommissioned Officer and Airmen Achievement Awards of Detachment 40, 28th Weather Squadron for the quarter ending June 30, 1960, were presented to TSgt Gordon D. Rasmussen and A/2c Richard A. Reedy, by the detachment commander, Lt. Col. William J. Norton. The awards consisted of outstanding achievement certificates and engraved cigarette lighters.

A/2c Robley E. Blackford, a WB-50 electrical repairman with the 56th WRS, received a cash



RETIREES — Mr. Frank C. Muth, Chief, Graphics Section, AWS Climatic Center, leaves his civil service post after completing 17 years with Air Weather Service and a total of 29 years in the service of the US Government.

### Unique Radio Experiment

An experimental amateur radio station set up on San Marcus Island, 1200 miles east of Tokyo, exceeded the expectations of its operators.

The station, manned by an airman of the 56th Weather Reconnaissance Squadron and four NCOs from Yokota and Johnson Air Bases in Japan, talked with amateur radio operators in 84 countries around the world.

A/1c Robert L. Nelson, a member of the weather unit's amateur radio voice, and his four fellow "hams" were attempting to make 10,000 individual contacts with world-wide amateur operators during the two week period.

Contact with a station on land never before contacted by radio hams is comparable to finding a rare stamp for a valuable collection. Cards commemorating the event were sent to each amateur group contacted.

Maj. Clifford M. Blue, squadron scheduling officer, arranged



"Get me a weatherman!"

award in the Air Force Suggestions Awards program, by submitting a design to save time and money with a new idea of a test unit for the WB-50 aircraft pre-heat circulatory and actuator.

Capt. Stanley L. Goodwin, the 4th Weather wing weatherman who briefs the NORAD commander, is also a proficient pilot. He recently earned his Command Pilot's wings upon the completion of over 3,000 flying hours.

Col. Loy E. Watkins, 33d Weather Squadron commander, was elected chairman of the Madison Chapter of the American Meteorological Society at a chapter meeting held last month in Madison, Wis.

Two officers who served under combat conditions together with the 8th Bomb Squadron at Kunsan during the Korean conflict, were reunited when they were both assigned to the 56th Weather Reconnaissance Squadron. Maj. Glenn A. Patterson jr., who compiled 50 combat missions and Maj. John H. O'Neil, with 38 missions, are assigned with the 56th WRS with O'Neil as executive officer and Patterson as commander of Flight B.

CWO Samuel Rice, a forecaster assigned to Detachment 6, 335rd

Weather Squadron, received his ECI diploma for successfully completing the Officer Weather course.

CWO Robert W. Aston, Detachment 1, 4th Weather group, recently graduated from Mississippi Southern college under the Bootstrap program. He was awarded a BS in mathematics and was an outstanding scholar on the Dean's list during the six months he spent in school.

Maj. Abraham L. Ruiz, commander, Detachment 6, 4th Weather group at Hanscom Field, Mass., served as assistant commissary officer for the 5th Annual National Boy Scout jamboree at Colorado Springs, Colo.

TSgt William B. Vest, Detachment 1, 4th Weather group, recently graduated from the Air Materiel Command's NCO Academy with the highest scholastic standing in his class of 27.

MSgt Louis R. Weiske, NCOIC of Quality Control at the 56th WRS, is conducting a series of classes to improve the quality of airmen proficiency reports at the Yokota AB unit. The course is attended by supervisors to assist them in preparing more accurate and better worded Form 75s'.



COMMENDATION for civilian meritorious service and a check for \$300 were presented to Mr. R. S. Quiroz, Asst. Chief, Data Intelligence Division, AWS Climatic Center, in appreciation for his services preparing a survey of upper air weather. This survey has been published in a technical memorandum and will be a valuable aid to the Air Force and scientists throughout the world.



GENERAL HSU pins CAF Pilot Wings No. 013 on Colonel Chavasse.

## Chinese Air Force Wings Presented to Col. Chavasse

Chinese Air Force Pilot Wings No. 013, symbol of "the admiration and respect of Chinese Air Force personnel" were presented last month to Colonel Nicholas H. Chavasse, 1st Weather wing commander.

The wings were presented to the colonel by General Hsu, Deputy Commander of the Chinese Air Force, in ceremonies held in the office of the Commanding General of the Chinese Air Force in Taipei.

### Promoted Friendship

The scroll thanked the colonel for his "earnest efforts in promoting the traditional friendship between the United States and the Chinese Air Force, as well as for his invaluable assistance to the Chinese Air Force in the modernization of its weather units."

The citation continues, "He also contributed unmeasurably to the successful meteorological training and to the improvement of its weather forecast capability through his profound professional knowledge and strenuous effort which have also won the admiration and respect of Chinese Air Force personnel."

Colonel Chavasse left Taipei to assume command of 2d Weather group at Langley AFB, Va.



CENTER AWARD is presented to Lt. Col. Harvey P. Hall, who accepted the plaque in behalf of the personnel of the 55th Weather Reconnaissance Squadron. Brig. Gen. Norman L. Peterson made the presentation (story on Page 1).

## New Job Same Boss

When Mrs. Ruth N. Hill received her third outstanding performance award last month, the check was presented by an old friend with whom she had been associated twice during her 19-year in Federal Civil Service.

Maj. Frank P. Rymer jr., who presented Mrs. Hill with the cash award, was her supervisor back in 1945, when they both were assigned to the Materiel section of the Air Training Command's Communications school at Scott Air Force Base.

### New Job—Same Boss

When MATS took over the base in 1958, Ruth was assigned as secretary to the chief of the Special Projects branch in the Intelligence division of Plans. Her new boss turned out to be her old boss of 13 years before—Major Rymer.

Mrs. Hill entered the Federal Civil Service in October, 1941. For 11 years, she worked in the Communications school materiel office. In June 1952, she went to work for the 3310th Training group as an instructor in the Basic Personnel course for airmen. She performed this work for over five years when she was selected to instruct personnel in the Instructor Training course in August 1957. She remained in this capacity until the school moved from Scott to Texas in 1958.

Mrs. Hill's husband Ramon, a former instructor in the Scott communications school, is a mathematics instructor at Hughes-Quinn junior high school in East St. Louis.



ORIGINAL WEATHERMAN on radio, first weatherman on TV, Maj. Jim Fidler, an "M-Day" assignee discusses the work he did during a two-week tour at AWS headquarters with Brig. Gen. Norman L. Peterson, Air Weather Service commander.

## 'Original' Weatherman AWS M-Day Assignee

Radio's "Original Weatherman" and TV's "First Weatherman" recently completed a two-week's stint as an "M-Day" assignee in AWS headquarters.

Jimmy Fidler, an Air Weather Service reservist with the rank of major, was the face and voice of weather for midwestern radio and television audiences for many years over WLW and WLW-TV in Cincinnati. Also, he was the original weatherman for Dave Garroway's television program, "Today."

Two years ago he left the radio and TV field to become Meteor-

ologist in Charge of the Central Briefing Office of the US Weather Bureau in Washington, D. C.

### With Weather Bureau

He operates the weather station in and for the central administrative staff of the US Weather Bureau. He provides the answers to requests from the Congress and the top administrative level of other agencies, for weather information and forecasts of any area in the United States.

During his tour of duty at AWS headquarters, he was assigned to the Analysis and Forecasting branch of the Standards Division in Operations, where he completed a draft for a new manual on weather briefing for the use of AWS weathermen in the field.

### Long Association with AWS

Fidler has had a long association with Air Weather Service. During the war, he served on active duty as a weather instructor, and through the intervening years, he has maintained close liaison as an AWS reservist.

While attending Ball State Teachers college in Indiana, Jim set up the college weather station and in 1934 did the first weather broadcasts on WLBC as "Radio's Original Weatherman."

His broadcasts of weather news and weather columns which he wrote for Indiana newspapers, paid his way through college. A permanent scholarship was later established at Ball State for the student handling weather chores.

A long time member of the American Meteorological Society, Fidler also belongs to Great Britain's Royal Meteorological Society.

## Hurricane Hunter To Miami Center

Major Hairston will be Air Force Liaison Officer with the US Weather Bureau's Joint Hurricane Warning Center in Miami. He will coordinate between the Air Force, Navy, and US Weather Bureau on daily hurricane hunting activities.



OUTSTANDING performance award is presented to Mrs. Ruth Hill by Maj. Frank P. Rymer, her boss for the second time in 15 years.

## Kentucky Veteran's Bonus

Kentucky veterans of World War II or the Korean War can now submit claims for bonuses that can amount to as much as \$500 for those with overseas service or service in both conflicts.

Qualified veterans will be paid \$9 for each month, or major fraction, for service in the US, and \$15 for each month or major fraction for overseas service. A limit of \$300 is placed on state-

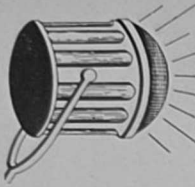
side service and \$500 for foreign service.

### Must Have Been Resident

To qualify veterans must have been a resident of Kentucky at the time of entry into active service and for six months prior thereto, and a resident of Kentucky on Nov. 3, 1959.

Application forms may be obtained from: Commonwealth of Kentucky, Department of Military Affairs, Veterans Division, P. O. Box 600, Frankfort, Ky.

# The OBSERVER Spotlights



## Detachment 7 10th Weather Group

by Information Officer, Detachment 7

Detachment 7, 10th Weather group located at Kadena AB, Okinawa, is one of the busiest weather stations in the Pacific area. The average number of landings and take-offs per month at Kadena during 1959 was 9,446, with a peak of 12,000 in November. The weather station was activated in the first days of the invasion of Okinawa in April, 1945 and has been in operation since that time, except for a 24-hour evacuation period during Typhoon Gloria in 1949, when it started to blow away in the 150+ knot winds.

### Tactical Support

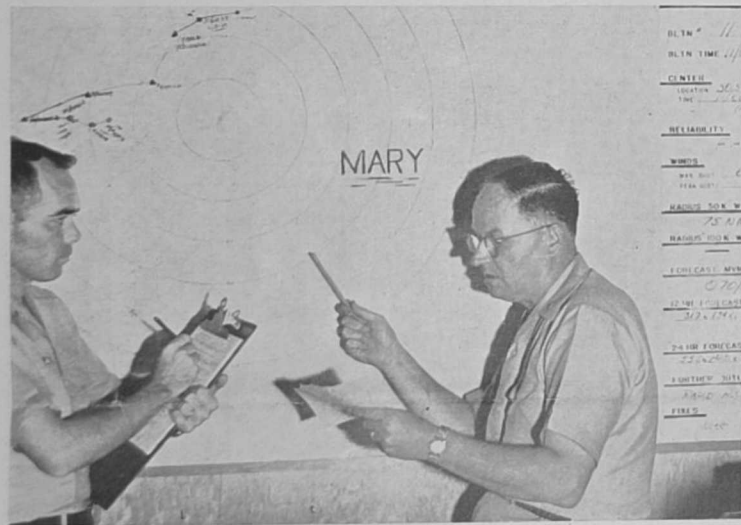
Support is provided to the 313th Air Division, which is responsible for Air Force activities in this area, the 18th Tactical Fighter wing, (F-100), the 15th Tactical Reconnaissance squadron, (F-101), a MATS Traffic Control Center with its commercial contract carriers, plus a large amount of transient traffic. In addition, it provides weather sup-

port to USARYIS/IX Corps, an Army Engineer District, the 3d Marine Division and serves as the typhoon advisory unit for all military agencies on Okinawa.

Commanded by Lt. Col. Robert G. Higgins, Detachment 7 is composed of a 24-hour forecasting and observing unit, a 24 hour Representative Observation Site, a forecasting and plotting cell to provide support to the tactical units, a CPS-9 Radar unit, a Rawinsonde section and is programmed to have a Sferics unit



MR. TOMAKI OWAN, an Okinawan National who received his forecaster training at Penn State, takes a call over Channel 13 while Lt. John K. Lyon briefs Capt. Bruce W. Purdy, an F-100 pilot. In the background, Lt. Ronald L. Boase prepares his forecast for the 18th Tactical Fighter wing while A/2c Curtis L. Campbell posts the current Kadena observation.



LT. COL. ROBERT G. HIGGINS, DetCo, discusses Typhoon Mary with Lt. Vernon M. Malahy jr., 313th Air Division Weather Briefing Officer, who is preparing notes for the daily division staff meeting.

in the near future. To handle this support, Detachment 7 is authorized 12 forecasters, 20 observers, 5 technicians, plus administrative and supply clerks.

### Typhoon Conscious

When people think of Okinawa, they automatically think of typhoons and justifiably so. As an example, in 1959, installations on Okinawa went into typhoon alert conditions nine times and spent a total of 470 hours in typhoon conditions. We were hit four times with winds of over 50 knots, —peak wind was 89 knots. This phase of our operations, providing typhoon advisory service for the military installations on Okinawa, proves to be one of our major workloads. Upon declaration of any typhoon alert condition, we man a separate typhoon warning cell in the weather station on a 24 hour basis until the "All Clear" is declared. This unit posts and analyzes typhoon warnings issued by the JTWC, Guam, prepares and issues local advisories, based on the latest JTWC warning, weather reconnaissance data, radar reports, etc., to the local command posts, ADCC, Radio and Television stations for dissemination. It also prepares a 70 second continuous tape recording, containing the latest typhoon data, for automatic dissemination through the local dial telephone system.

### Sparsity of Weather Data

Forecasting on Okinawa is extremely interesting to a forecaster, always presenting a challenge to him, and very rarely is it routine. On many occasions, forecasting here becomes very frustrating, particularly when one considers the sparsity of data in our vicinity.

Drawing a circle 600 nautical miles in diameter, with Okinawa in the center, you will find two weather stations on a line to the north, two to the southwest and one to the east. In addition to our own, these are the only weather stations in that vast area.

With a number of jets airborne when a sudden change to extreme weather conditions arises, we really "sweat" them in. The air bases on Okinawa are the only fields where they can land safely within all that 600 mile circle.

With the high number of century series aircraft operating from

Okinawa a positive Met Watch program is vital. Our Representative Observing Site is located in a special cab on top of the Base Operations building. It commands an excellent view of the runways and approach zones and is manned 24 hours a day.

Considering all factors, weather

duty on Okinawa is interesting and challenging, as you are called on to fully utilize your techniques and initiative, rewarding, in that you play a vital role in the operations in this area, and enjoyable, in that Okinawa, although small, is a pretty, semi-tropical island, with excellent facilities.



TSgt CLYDE L. HEYL, Maintenance NCOIC, and TSgt Royce N. Sanders trouble shoot a malfunction in the CPS-9 Radar Set.



SSgt EDWARD J. SZUBINSKI, Rawinsonde NCOIC, right, answers a question for Mr. Zenshin Iha and Mr. Toshio Shiroma, two Okinawan Rawinsonde operators while A/2c Floyd B. Harding works up the winds.



TSgt CARL K. DAVIS, chief observer, makes a routine check of the Reps Obs Site on top of Base Operations, while A/2c Donald A. LaBonte takes a check on the ceiling.

AWS Observes

# Air National Guard Weathermen

An Observer Feature

(Story and photos by Capt. William H. Quelch jr.)

Clinton County Metro! Clinton County Metro! This is Air Force Jet 2345. What is your present and expected weather for the next 30 minutes?

What country had over 30 feet of rainfall in one month?

These and hundreds of similar questions are answered by ANG Weather Flights during their 15-day active duty field training each year.

The mission of each weather flight is to train toward the capability of providing meteorological support in time of war or mobilization. Each would operate as a complete and separate weather detachment providing observing and forecasting service at a designated USAF, Army or civilian airfield.

An important function of the training division of 2d Weather group is the training of nine ANG Weather Flights as a part of the overall Air Weather Service responsibility of presently providing support for twenty-eight active flights, throughout the continental United States and in Puerto Rico and Hawaii.

### Manning Authorization

Each ANG weather flight is authorized three officer weather forecasters, one of which serves as the Weather Flight Commander, and twelve airmen, who serve

as weather observers, and an administrative clerk.

Each flight has an active duty airman, called a "Weather Air Technical Advisor," assigned to an AWS advisory unit with duty at the flight's operating location. He assists the ANG weather flight commander in all phases of training of the flight and accompanies the flight on their annual 15-day field training.

### Train at AWS Detachments

For the past two summers a number of weather flights have spent their 15-day active duty field training at active weather detachments located on USAF bases where the latest meteorological facilities and personalized training are available. This summer seven flights will spend their field training at 2d Weather group detachments.

Typical of the field training at



AIR NATIONAL Guard weathermen receive thorough training in all phases of weather operations during their two weeks active duty stint with Air Weather Service detachments. A/2c John D. Carr, an ANG weather observer prepares to release a weather balloon while A/1c Charles W. Morgan, an ANG observer and SSgt Robert C. Komarowski, an observer assigned to Detachment 19, 3d Weather squadron, make final adjustments in preparation to follow the balloon with an ML 247 theodolite.

these weather detachments was that performed by the 163d, 164th and 165th ANG Weather flights at a former 2d Weather group detachment at Clinton County AFB, Ohio. These flights are located at Baer Field, Fort Wayne, Indiana, Mansfield Municipal Airport, Ohio, and Standiford Field, Louisville, Kentucky.

### Pre-Planning

Considerable pre-planning was done by the active detachment prior to each weather flight's arrival. The status of the proficiency of each individual was evaluated and a tentative schedule of training outlined to insure effective and efficient training. Objectives were outlined and detachment personnel were instructed as to what his role would be during the training period.

The "Buddy" system and "Learn by Doing" were the primary methods used for training accomplishment. Based upon the previously stated proficiency status, an ANG weather observer was assigned to an AWS observer for supervision during the 15-day encampment.

AWS observers were charged with the responsibility of providing his ANG counterpart with the best possible training. Direct control and close supervision resulted in weaknesses being spotted and corrected immediately.

### Rapid Progression

Simple tasks, with progression to complicated ones, were performed by the ANG observers under the watchful eye of their AWS supervisors. As they became progressively proficient, they were able to perform, with little or no supervision, all shift duties, including taking and recording weather observations on WBAN 10A1B; cutting tapes for transmission of observation and forecasts over military circuits; plotting weather charts; filing teletype weather sequences; disseminating weather observations to local agencies, and taking observations on the AN/APQ-13, Radar Storm Detection set.

### "Learn by Doing"

Ultimate goal was to have each ANG weather forecaster accredited under the provisions of AWSR 45-6. Again the motto was "Learn by Doing." As each forecaster reached the required standard of proficiency and subsequent accreditation, he was allowed to

perform all forecasting duties for each shift.

During the second week each flight attained the capabilities of analyzing all charts, preparing forecasts, giving weather briefings and completing the weather section of DD Form 175, issuing severe weather warnings, and in

fact, provided all base weather support for three to seven days.

Each weather flight made significant strides during their 15-day active duty field training toward the capability of being able to meet their AWS mobilization requirement should it be necessary.



CAPT. WILLIAM H. QUELCH JR., former commander of Detachment 19, 3d Weather squadron, locates area of weather report while Maj. David W. Wolf, 164th ANG Weather flight commander remains in contact with pilot over Channel 13.



CAPT JAMES A. McDOWELL, Lt. Duane W. Benton, and A/1c Arthur A. Beck (l to r) 164th ANG Weather Flight forecasters are shown discussing the latest weather over TAC's southern route to Europe with T/Sgt Elbert O. Peay, AWS technical advisor.



MSGT. EARL A. WORDS JR. (right) Detachment 19, 3d Weather squadron forecaster, is shown discussing the daily weather charts prepared by Capt. Charles E. Billiard, Maj. Kenneth E. Newendorp (ANG weather-flight commander), and Lt. Charles R. Eggelton (l to r) during the 163d ANG Weather Flight's summer field training at Clinton County AFB.



SSGT. MARVIN C. ALTMAN (center), ANG observer, checks the latest local teletype transmission under the watchful eye of SSGT Robert A. Janiszewski, AWS technical advisor to the 163d ANG Weather flight, while SSGT James E. Wolff, ANG observer, operates the facsimile machine.

# 10th Weather Group



THE EMBLEM is symbolic of the 10th Weather group and its primary mission. The divided background of blue and yellow indicates meteorological duties are carried on night and day. The triangle with its proverbial stability indicates firmness of purpose and is symbolic of the three-way meteorological association of land, sea and air. The circle indicates continuous endeavor, and the fleur-de-lis commemorates the first participation of the US Army Weather Service in combat in France during World War II. The emblem bears the official Air Force colors — ultramarine blue and golden yellow.

by 2d Lt. Shirley Bach and MSgt Kenneth W. Demars

Fuchu Air Station is located 20 miles west of downtown Tokyo, fringing the village of Higashi-Fuchu — this is the home for the famous Fifth Air Force.

It is also home for the weather watchdog of Fifth — the sprawling 10th Weather group. But the job doesn't end there.



10TH WEATHER gives orientation and training in the latest weather techniques and procedures to three Republic of Korea Air Force officers. Lt. Col. Robert D. Johnston, Chief S&CS, discusses the normal weather pattern with Capt. Jong Kyung Rhee, operations officer for the Weather group Taegu, Korea; Maj. Byung Woo Suh, commander of the Weather Central, Osan Air Base, and Lt. Col. Jung Un Suh, Chief, Weather division, Hq., ROKAF, Seoul, Korea.



ROUGH WEATHER is contained on the map that CWSgt Clinton M. Hamilton, a meteorological technician, is reviewing and analyzing. He is studying the course of Typhoon "Georgia" that swept through the Far East in August, 1959. Such analysis enables weathermen to predict the behavior of future typhoons in their early stages.

Commanded by Col. Russell K. Pierce jr., the 10th Weather group provides meteorological support service to an assortment of commands — Fifth Air Force, 13th Air Force, 313th Air Division, SAC, MATS, AMC, United Nations Command and the U. S. Forces, Japan.

Geographically the group is a maverick, stretching north from the Philippines, swinging east to include Eniwetok, encompassing the Marianas and Bonin Island, the Ryukyus, Japan and Korea.

## Typhoon Warners

Despite the quiet, oriental setting, keynote of the group operation is busy. In addition to regular weather chores, because of its geographical location, the 10th is burdened with an extra chore — providing typhoon warning service.

A complex training program is necessary, for under terms of the Mutual Defense Assistance Pact (MDAP), local Nationals are trained in USAF weather procedures. The 10th is aiding the air forces of both Japan and Korea to assume responsibility for their own defense.

## Large Weather Central

The Tokyo Central, largest of the group's 19 weather detachments, monitors a specialized weather service. In addition to the normal functions of a large weather central, the TWC forecasters supply the Far East Radio Network (FEN) with an up-to-the-minute weather data service. The network, a 24-hour a day operation, has weather news spots on the hour and half hour station breaks three times a day, following the main news broadcasts. The Tokyo Weather Central forecasters, broadcasting from the Fuchu Air Station studio prepare and narrate their forecasts on the Far East Radio Network.

The broadcasting of weather forecasts from Fuchu started in February of 1959. Three of the forecasters who started the Fuchu broadcasts are still with the program: Maj. Noyes Livingston, Captains Thomas Comstock and Robert Powers.

## Climatological Studies

With a continuing demand for weather data to support the constant air operations and training exercises in the Pacific and the Far East, the Scientific and Climatological Services Branch, with its staff of graduate training meteorologists, becomes a key spot in the group's mission. Headed by Lt. Col. Robert D. Johnston, the S&CS branch has the primary responsibility of providing data for forecasts exceeding 72 hours. Handicapped by the thin network of weather stations, climatological studies become even more important. Another feature of the branch is their consultant visit program. Operating on an informal system, the consultants visit, at least twice a year, the detachments within the group — seeking, probing and exploring for new methods to improve the forecasting service.

Quarterbacking the 10th Weather group is the Operations Section. Commanded by Lt. Col. James V. Carroll, the Operations Section evaluates the weather product of the Group's 19 weather detachments by a system of performance analysis, a progressive approach to obtain quality in the end product.

## Japanese Cooperation

Professional associations have been formed with the Japan Me-



POLAR ICE FORMATIONS are studied by SSgt Kenneth E. Rathburn, climatological technician. Assisting him as he pores over an ice atlas is Miss Yoshi Kobayashi, a clerk in the weather unit.



TAKING NO CHANCES that forecasters' predictions might decline in accuracy, Mr. George Taniguchi, weather consultant, inserts a control panel into an electronic tabulating machine, which in turn, will verify and score for accuracy, terminal forecasts that have been previously prepared.



LOCALLY MODIFIED JNWP forecast data is sent to using agencies in Japan, Okinawa, and Korea via radio facsimile transmitter, being operated here by Haruaki Koga, teletype and facsimile operator with Tokyo Weather Central.

eteorological Agency (JMA). The 10th Weather group maintains a punch card section in the Tokyo office of JMA. Its job is to transfer weather data collected from Southeast Asia, Japan, China and Russia to an IBM card filing

system.

The 10th Weather group—with flexibility of the highest degree, well-trained personnel and the latest in progressive weather procedures—continues as the weather watchdog in the Pacific.

# AWS Headquarters . . . . Administrative Services



Lt. Col. John C. Hattox and Miss Joyce A. Lorenz . . . .  
Director and Secretary

Behind the scenes of any large corporation, are the personnel who handle the voluminous quantities of paperwork necessary to keep the wheels turning and allow steady, and even progress, of all functions that make up the total organization.

Similarly, here at headquarters are the personnel behind the scenes who keep the administrative wheels turning throughout the wide-spread organizations that make up USAF's Air Weather Service.

Under the Directorate of Administrative Services are two divisions—Administrative and Publishing—which formulate plans and policies for the proper flow of all correspondence, and for administering the forms and directives management programs for AWS.

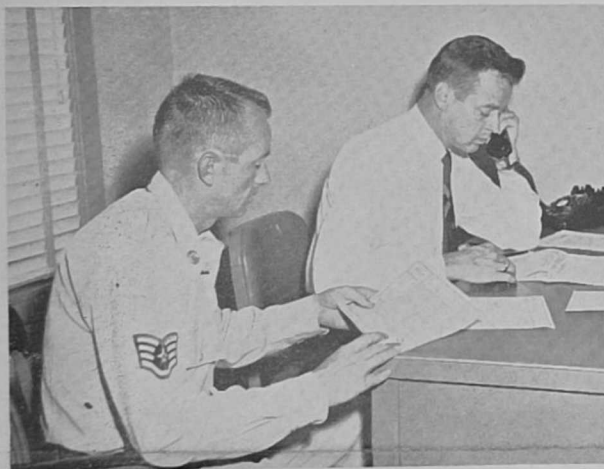
Supervising the two functions is Lt. Col. John C. Hattox as Director of Administrative Services

ADMINISTRATIVE DIVISION Headed by Capt. Claude H. O'Neill, is composed of the Mail and Distribution, Classified Documents, Records Management and Orders branches. Annually, they handle over 168,000 pieces of incoming and outgoing official correspondence; 48,000 pieces of intra-headquarters correspondence; 58,000 pieces of incoming and outgoing personal mail; wrap over 5,000 packages; process close to 8,000 classified documents; publish over 2,000 individual orders, and is responsible for monitoring all records, control schedules, records shipment lists, and staff agency file outlines.

PUBLISHING DIVISION—Under the direction of Mr. Charles W. Tiemann, is responsible for administering the forms and directives management programs for AWS headquarters, and for staff supervi-

sion and control over these programs at lower echelons of command within Air Weather Service. Its branches and sections design all command, local and headquarters forms; assist field units in designing their forms; conducts final editorial review of all AWS manuals, regulations, supplements to USAF and MATS publications, and HOI directives, review and assist in the preparation of all publication requirements tables, and initial distribution of all AWS publications and forms to staff agencies, field units, ANG weather flights and all other organizations required to receive AWS publications. In addition, it maintains a large reference library and a reproduction section which handles all requests for expeditious reproduction. Pictured here are the personnel who man these various functions.

(Photos by A/1c Chloye M. Knighton, Base Photo Laboratory)



SSgt Cecil Cox and Charles W. Tiemann . . . .  
Taking a problem to the Publishing Chief



Miss Jo Kruss . . . .  
Editing publications



A/1c Marshall B. McAdams . . . .  
Reference Library custodian



Mrs. Ina A. Hands . . . .  
Checking a message



A/1c T. Woolard—Mr. C. Schrage . . . .  
Classified documents



SSgt Wayne G. Norman . . . .  
Reproducing



Capt. C. O'Neill—Mrs. D. Edwards . . . .  
Special orders



SSgt Robert L. Trainer . . . .  
Wrapping a package



A/2c Madelon Christiana and TSgt Eugene Bradtke . . . .  
Proofreading for accuracy



TSgt Herbert P. Scheer . . . .  
Checking the locator file



Mrs. Carol A. Kruep . . . .  
Operating the Varytper machine

## 56th WRS Wins Yokota Air Base Softball Crown

The 56th Weather Reconnaissance squadron, the only undefeated team in either league during the regular intramural season, won the Yokota Air Base Intramural Softball Championship last month. But the Big Buzzards had to come back the hard way, through the loser's bracket, to gain the top spot.

### First Defeat of Season

In the second round of the playoffs, the 56th was handed its first defeat of the season, 4-3, by the 6988th Radio Squadron Mobile, second place team in the National League.

Loss of the game together with the loss of their ace pitcher, Phil Murphy, who was relieved in the second inning by Jim Clark after he injured his right thumb, put a considerable damper on the 56th's hopes of continuing to the championship.

### Enters Finals

But the 56th WRS climbed to the finals through the tough loser's bracket to meet and win two games from RSM in the final round to clinch the 1960 Intramural Championship.

The weathermen, behind Murphy again, edged the 6988th, 2-1, in a tight pitcher's duel Saturday

## Weathermen Conduct Body Building Class

Two members of the 56th Weather Reconnaissance squadron are supervising a body building class at Yokota Air Base for boys 12 years or older.

SSgt Monte Mogi, a 46th flight engineer, and his assistant, A/1c Wayne Wickizer, airborne radio operator with the AWS unit, help the boys perform barbell exercises designed to develop and strengthen every part of the body.

In order to protect their students from both injury and discouragement, Mogi and Wickizer make sure their boys don't try to lift too much too soon. They keep a progress record of the poundage used for each boy and number of repetitions performed for each exercise movement.

The body development classes will be held throughout the summer season.

afternoon (July 30), and that night spotted their rivals a single run early in the game, then exploded for 11 of their own to walk away with the 1960 crown.

## Seamans Named For NASA Post

Robert C. Seamans jr., 41, chief engineer for the Missile Electronics and Control Division of the Radio Corporation of America, has been named Associate Administrator of the National Aeronautics and Space Administration effective Sept. 1.

He fills the spot vacated by Richard E. Horner, who resigned early in July to become senior vice president, technical, at Northrop, Inc.

Dr. Seamans is a graduate of Harvard University, and has a master's and a doctor's degree from the Massachusetts Institute of Technology. He has been active since 1941 in the missiles and aeronautics fields.

## New York Fishing Requires License

Servicemen stationed in New York must now have hunting, fishing and trapping licenses if they intend to follow these sports in that state.

The new requirement, introduced July 1, erases a privilege granted to members of the armed forces during World War II and which had remained in force ever since.

Residents of New York, stationed outside the state, are still allowed to hunt, fish, and trap without a license when home on leave, but only during the first 30 days of such leave.

Non-state residents stationed in New York will be permitted to buy resident licenses, which are offered for less than that ordinarily charged to out-of-state sportsmen.



BACK ROW: John O'Sullivan, Trainer; Gene Hemminger, SS; Phil Murphy, P; Larry Godich, 2B; Ray Bragg, OF. Center Row: Jim Clark, 2B - P; Wayne Schwartz, OF; Walter Jordan, 3B; Jack DeMedicis, 1B. Front Row: William Burger, OF; Harry Milner, C; Gene Trotter, OF; Dick Remmele, 3B; Sam Scarzo, RF.

## Williams Award

(Continued from Page 1)

been to develop "experts" in the major functional areas and these specially-trained forecasters concentrate on giving their particular "customers" the specialized, personal service required.

Additional heavy support requirements to transient operations and Radar Approach Control have necessitated the adoption of many ingenious time and work-saving procedures to insure that all service demands are met.

### Functionally Grouped

The weather station facilities are functionally grouped to preclude waste motion. The duty forecaster can brief pilots, answer telephone queries, answer pilot-to-forecaster contacts, maintain inter-com contact with all major unit operations sections and the representative observation site, and monitor the crash and GCI telephones without taking over five steps.

Forecasting and observing accuracy has been well above average. The Severe Weather Warning Program has been 100 per cent effective and the detachment has the top-ranking observing section in the 10th Weather group.

Maj. Russell B. Sylvester, the detachment commander, accepted the plaque from Col. Eric T. Jonckheere, commander of Yokota Airbase on behalf of the unit. On hand to add his congratulations, was Col. Russell K. Pierce jr., 10th Weather group commander, Maj. Harold E. Collins, the detachment's chief forecaster, and its chief observer, TSgt J. G. Defoe.

Maj. William R. White, who commanded the detachment in 1959, the year in which the award was earned, had recently been transferred to a stateside assignment with 8th Weather group's Detachment 6 at Keesler AFB, Mississippi.

## Win Observer Award

Detachment 3 of the 4th Weather group, located at Bolling Air Force Base, the recipient of three 4th Weather group awards during the past year, has again won the Outstanding Observer proficiency award.

The award was won during the January-March observing period.

Col. Hazen H. Bedke, 4th Weather group commander, presented the award to Maj. Ralph G. Wallace, commander of Detachment 3.

## TSgt Rice

(Continued from Page 1)

ones in support of the missile programs, rushed installation and initial checkout on his new "brain child," the analog system, before leaving the post for a new assignment in Germany.

His other inventions include a computer for field support in wind data for the Pogo missile program, a calculator for atmospheric density and refractive index—both of which are operational—and a Rawinsonde low-angle recording device now under study by Air Weather Service for further evaluation.

### Simple in Appearance

This new computer system is simple in appearance but a wizard in performance, and consists of five parts—two balloon tracking instruments, the main computer body, and two modified recorders.

As a released balloon is followed with the tracking instruments—located some 6,000 feet apart—information is fed into the computer and the reduced data—wind direction and velocity at various atmospheric levels—are recorded immediately on graphs.

With the system, three men can do the work instantaneously that manually required seven men and 20 to 30 minutes.

## Outlook Brighter For Promotions to A/1c

Promotion possibilities for those looking to move up to A/1c became noticeably brighter when Headquarters USAF notified the field that only 10 career fields remain frozen for promotion to airman first in the October 1 cycle.

Earlier this year Headquarters said some 45,000 would be promoted to A/1c in fiscal year '61, or about 15,000 per quarterly cycle. The October quota might be fattened to offset an expected loss of a considerable number of A/1cs in the coming months.

Also having a bearing on promotion chances is the 55/45 program aimed at establishing a career committed force. The Headquarters letter said in its concluding paragraph: "In view of the special interest directed toward achieving 55/45 concept first-term reenlistment goals, recommend that special promotion consideration be given to qualified career A/2c and to those individuals selected for career status under the 55/45 concept."

## 'Oldest-Timer' 'Short-Timer'

The "oldest-timer" in 3d Weather wing headquarters just became a short-timer. MSgt Edward T. Howard, who came to 3d Weather wing—then the 2101st Air Weather group—in August 1951, has been alerted for reassignment in September.

The 31-year-old sergeant will go to 2d Weather wing headquarters in Wiesbaden, Germany. He came to Offutt as a staff sergeant and airman records clerk nine years ago.

During his nine years here, the Indiana native earned two promotions and has held major jobs in the personnel office. For four years he was personnel sergeant major, then moved into his present position of NCOIC of the programming and assignment division. In 1957 Sgt Howard was named 3d Weather wing's outstanding NCO of the six months for January through June.

Also during his tour here he earned his high school diploma and has accumulated 12 credit hours at the University of Omaha. He is secretary-treasurer of the Offutt Rod and Gun Club and a graduate of the Management Course of Air Force Supervisors.

## Births

BREEDLOVE, 1st Lt. and Mrs. William O., a daughter, Kimberly Ann, born July 23, 1960, at Waco, Texas. Father assigned 25th Weather squadron, 2d Weather group, Waco, Texas.

BIGGERS, 1st Lt. and Mrs. James H. jr., a girl, Jennifer Lynn, born July 9, 1960, at Shaw Air Force Base hospital. Father assigned Detachment 4, 3d Weather squadron, Shaw AFB, S. C.

BRISTOW, A/2c and Mrs. James E. jr., a boy, Micheal McKinnon, born July 19, 1960, at Shaw Air Force Base hospital. Father assigned Detachment 4, 3d Weather squadron, Shaw AFB, S. C.

## Heroic Acts

(Continued from Page 1)

in the lower nose compartment of a KC-97G.

The citation, accompanying the award, stated: "By his exemplary courage he singularly averted the destruction of two valuable aircraft and prevented possible death or serious injury to the crews."

Col. Lester C. Messenger, Commander of Kindley AFB, made the presentation to Sergeant East.



DOCTOR! He'll never have to break into this abacus now, because Maj. Francis W. Murray of 3d Weather wing Scientific Services has just received his Ph.D. in meteorology from Massachusetts Institute of Technology.