



Weather Component of USAF's Military Air Transport Service

Vol. 11, No. 8

Headquarters, Air Weather Service, Scott AFB, Ill.

September 1964

# First Nimbus Orbits Earth

## Solar Activities

### Forecast Function Transfers to Ent

Air Weather Service's solar activities mission was further enhanced last month when the operational function was transferred to the 4th Weather wing, Ent AFB, Colo.

The move was prompted by the program's growth into a routine operation and its need for a separate operational location.

Capt. Gerald D. McCright, chief of the Hq AWS Solar branch, explained that the 4th Wing was chosen as the site of the forecasting branch because the wing performed heavy aerospace mission support and was centrally located.

The solar forecast section produces forecasts of astrophysical parameters that are not routinely prepared or available from any other source.

Raw data for forecast preparation are obtained from civilian optical and radio solar observatories throughout the world. The final product includes forecasts of solar radio flux and flares, aurora borealis occurrences and geomagnetic storms.

Forecasts are designed to support manned and unmanned space operations and communications technology. Currently, 21 customers receive the solar forecasts.

#### Forecasting Branch

Named the 4th Wing Solar Forecasting branch, the office is manned by 1st Lt Jerome B. Dague, who was assigned to the branch from a similar post at Hq AWS, and Capt. Lawrence

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## AWS Sergeants Earn Academy's Highest Honors

ORLANDO AFB, Fla. — Two AWS NCOs braved the perils of Hurricanes Cleo and Dora to capture top honors at the MATS NCO Academy. Graduation ceremonies were held last week.

MSgt Robert F. McGlew, Det. 10, 8th Weather squadron, Westover AFB, Mass., captured the Commandant's Award, while MSgt William J. Rummel, 6th Weather squadron (Mobile), Tinker AFB, Okla., was Honor Graduate.

Finishing in the top ten percent of the five-week class was MSgt Richard H. Langill, Det. 11, 12th Weather squadron, Stewart AFB, N.Y.

Other graduates included MSgt Carroll E. Davis, Det. 4, 35th Weather squadron, McChord AFB, Wash.; TSgt Jimmie L. Gullion, 1210th Weather

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## Photographs Cloud Cover

The largest experimental weather satellite ever built by the United States has completed over 300 orbits of the earth and has transmitted large quantities of pictures of the earth's cloud cover back to ground stations since its launching on August 28.

The Nimbus A, an orbiting weather station weighing 830 pounds and comprised of some 40,000 components, has been asked to perform more tasks in space than any weather satellite ever launched.

As a follow-on to the highly successful television infrared observation satellite (Tiros) project, which has scored eight successes in eight attempts, Nimbus is another step in the National Aeronautics and Space Administration's (NASA) meteorological program to develop an advanced weather satellite system.

Officials at the National Weather Satellite center, Suitland, Md., say that Nimbus pictures are much clearer than those taken by Tiros systems.

Nimbus was launched from Vandenberg AFB, Calif., by the 6595th Aerospace Test wing. The launch vehicle was a Thor-

(Continued on Page 7)

## Posters Win \$60 in Cash

MSgt Shepard M. Humston, Det. 1, 3d Weather wing, Offutt AFB, Nebr., took five honors in the 1964 AWS Flying Safety Poster contest.

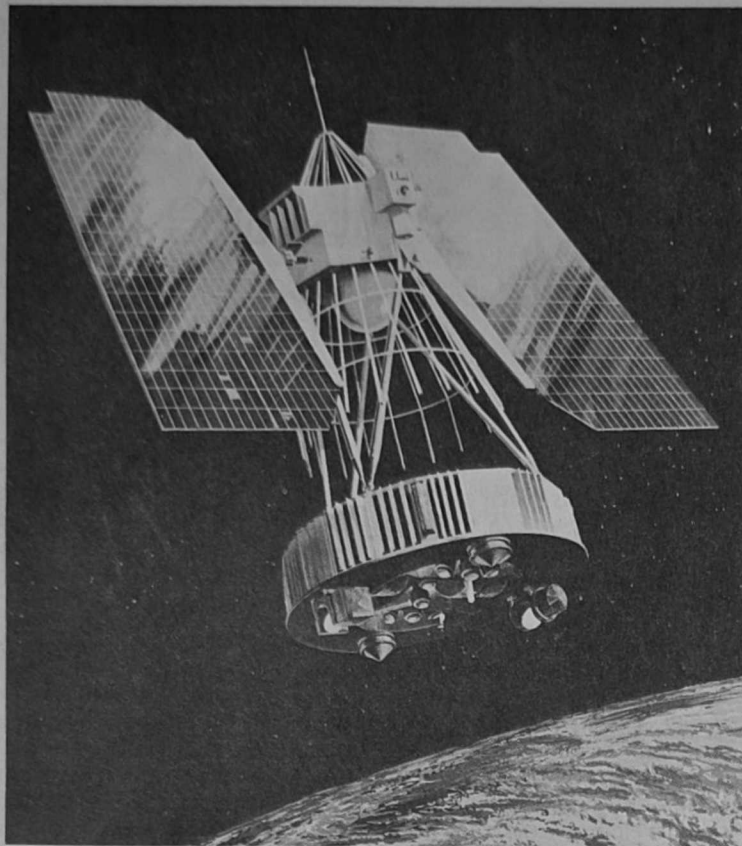
Humston captured four cash award prizes for a total of \$60, and one honorable mention. This is the fourth year in a row that he cashed in on top prizes. In 1961, he won \$15; in 1962, \$30 and in 1963, \$45.

Other cash winners were TSgt George R. Sabins, Det. 13, 16th Weather squadron, Ft. Eustis, Va., \$15, and SSgt Charles W. Vosburgh, Det. 10, 4th Weather group, Eglin AFB, Fla., \$15.

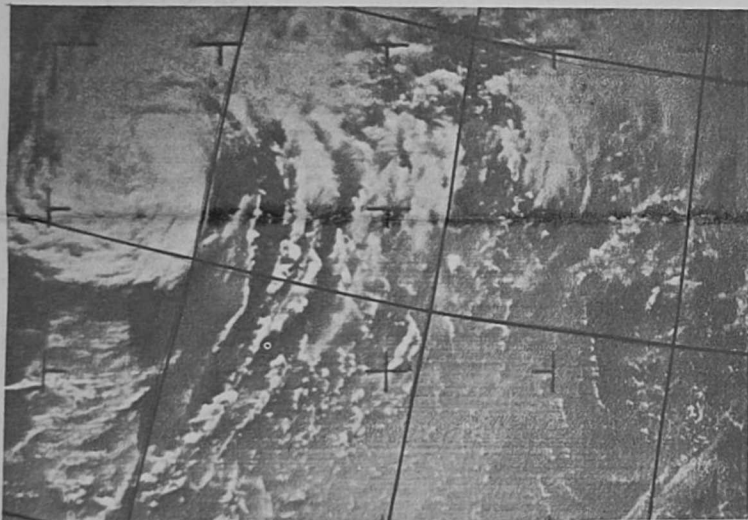
Receiving honorable mention were CWO Clarence F. Hilgendorf, 31st Weather squadron, Ramstein AB, Germany; SSgt Norman E. Cook, 57th Weather Reconnaissance squadron, Avalon airfield, Australia; and TSgt Robert J. Groves, Det. 23, 9th Weather squadron, Glasgow AFB, Mont.

1st Lt James O. Adams, WB-47 navigator with the 53d Weather Reconnaissance squadron, Hunter AFB, Ga., recently placed first in the base flying Safety Poster contest. He received a \$25 prize.

The AWS cash winners' entries will be forwarded to MATS for the command-wide contest to be held later this month.



ARTIST'S CONCEPTION of Nimbus A weather satellite shows two solar-oriented paddles which contain 10,500 silicon solar cells which convert solar energy into the power needed to operate the satellite's many components. Its cameras are located in the lower circular portion of the spacecraft.



HURRICANE CLEO is shown as it moved over northern Florida and southern Georgia last month. Cleo was photographed as Nimbus made its 20th orbit of the earth on August 29. Florida can be seen in the lower left portion of the photo.

## 65,000 Miles of Reconnaissance Flown on Hurricanes Cleo, Dora

HUNTER AFB, Ga. — The Hurricane Hunters, 53d Weather Reconnaissance squadron, flew an estimated 65,000 miles—nearly two and a half times around the world—in August and early September while performing reconnaissance on two of the 1964 season's most destructive hurricanes.

The unit's WB-47 and WB-50 aircraft flew 23 missions, accumulating a total of 172 hours and 45 minutes of storm reconnaissance on Hurricanes Cleo and Dora as they headed toward the US eastern seaboard.

The 53d WRS flew eight WB-47 missions on Cleo, and seven WB-50 missions on Cleo, and six WB-47 and two WB-50 missions on Dora.

Lt Col. Eugene C. Wernette, 53d WRS commander, commanded the first WB-47 Stratojet to fly a hurricane reconnaissance mission in 1964. The mission carried him over the destructive Cleo on August 25.

Cleo, which formed in the southern Atlantic, crossed Haiti, by-passed Jamaica, crossed over Cuba and entered Florida at Miami. It ran the entire length of the state and spread wind and rain into Georgia before turning out to sea and eventual-

ly died.

She left estimated damages of nearly \$2 million in her wake.

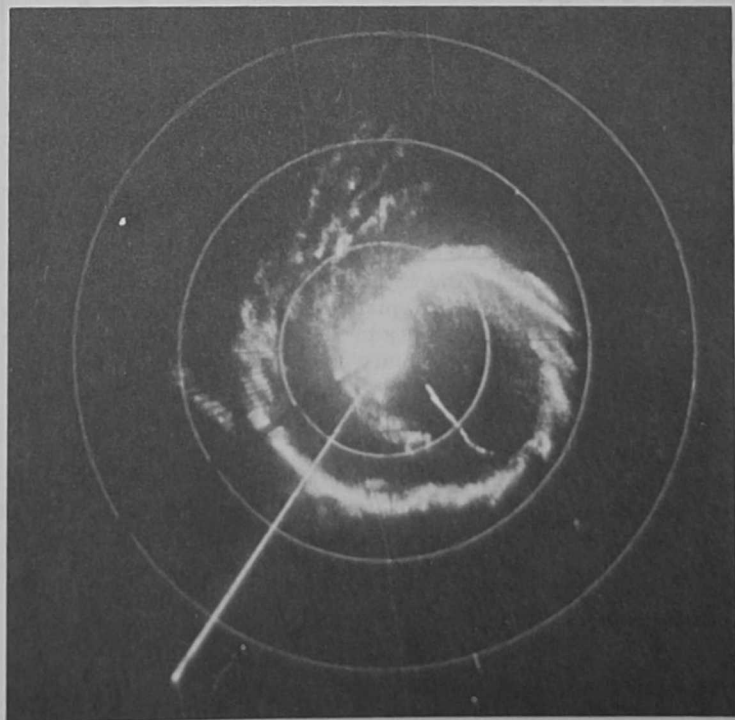
Like Cleo, Dora swung north-west, but by-passed the Dominican Republic, Haiti and Cuba. It struck Florida near the St. Augustine-Jacksonville area.

As she drove inland, Dora spread damaging winds and rain into Georgia, Alabama and

(Continued on Page 7)

### New Name

The AWS Directorate of Scientific Services received a new name in July, when it became the Directorate of Aerospace Sciences. The new designation reflects the growing space-age mission of the AWS and Air Force meteorologist.



RADAR PHOTO of Hurricane Cleo as she appeared on August 26, 70 miles north northwest of Santa Clara, Cuba. Photo was taken aboard WB-50 commanded by Maj. Lawrence J. Wernes, on loan to the Hurricane Hunters from the 56th WRS, Yokota AB, Japan.



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**BRIG. GEN. ROY W. NELSON, JR.**

Commander, Air Weather Service

LT COL. BERNARD PUSIN, Director of Information

MR. JOHN D. RUGG, Deputy Director of Information

SSGT ROBERT J. BATTON, Editor

## US Air Force — Aerospace Power for Peace

### Editorial

## Register and Vote

One way we can perform our duties as free Americans this election year is to become informed on the candidates and issues and then vote. Those of us serving away from our states of residence can keep informed through subscriptions to hometown newspapers or by requesting literature from nonpartisan citizen voting leagues.

Unit voting officers are equipped to advise everyone on absentee balloting requirements in each state. Don't delay until it's too late to exercise the precious privilege of voting in a free election.

Although general election day is November 3, many states require early registration. Find out now what you must do in order to have your voice heard when the time comes to choose our national leaders.

Friday September 25, was observed as Armed Forces Voters day and the Department of Defense directed that it be the highlight of the 1964 absentee voting program.

In working up the program for that day, local commanders asked to insure base-wide participation and that it be as "imaginative as possible in creating an election-day atmosphere." (AFNS)

## Twelve Years Ago in AWS History Unit Cited for Duty in Korean Conflict

(Editor's Note: The following news item was released Sept. 3, 1962, by the Air Weather Service office of information, Andrews AFB, Washington, D.C.)

An Air Weather Service squadron has been awarded the Republic of Korea Presidential Unit Citation for distinguished service in the Korean conflict, "specifically with the Inchon landing, where accurate weather information resulted in the success of the mission." The award was announced today by Maj. Gen. W. O. Senter, Air Weather Service commander.

The citation was awarded to the 30th Weather squadron, whose detachments provide weather support for United Nations forces in Korea. The weathermen's front-line reports are supplemented by data gathered by huge AWS Boeing WB-29 Superforts which fly daily reconnaissance flights over the battlefields. The compiled information is used to support UN bomber strikes, fighter sorties and ground operations.

"Supporting every type and phase of operations against the common enemy," the citation states, "this organization directly aided the effort of major operations . . . In many cases the weather observing personnel were utilized as perimeter guards due to their positions along the battle front."

The wording of the citation recalled the similar versatility of AWS mobile units in World War II during the D-Day invasion of Europe, when weathermen fought side by side with infantry to gain observation sites from which to use their equipment.

The citation stressed the adverse conditions under which the AWS unit accomplished its mission. "Inadequate facilities, frequent relocations and proximity to the battleground were overcome by the ingenuity, knowledge, resourcefulness, attention to duty, loyalty and experience of the personnel of the 30th Weather squadron."

The Korean Weather Service has been reorganized and strengthened, according to the citation, by the "assistance, training and cooperation" provided by the 30th Squadron. Similar aid has been given to Japanese meteorologists by AWS units located in Japan.

### Today, Viet-Nam

The 30th Weather squadron in 1964 is again supporting combat operations in Asia; this time in the jungles and marshes of South Viet-Nam. Acting in an advisory capacity, the unit is training Vietnamese weathermen and supporting the combat advisory missions of the US Air Force and Army.

## Command Questionnaire

Are you aware of the many activities involving personnel of the Military Air Transport Service? Here's a little quiz to test your knowledge of one such event.

- The new Commander of MATS is
  - Gen. Lester B. Hickman
  - Gen. Howell M. Estes jr.
  - Lt Gen. Bradley O. Noble
  - Lt Gen. Milton A. Troop sr.
- He formerly was the deputy commander of the
  - Air Defense Command
  - United States Air Forces in Europe
  - Military Air Transport Service
  - Air Force Systems Command
- He is a 1936 graduate of the
  - U.S. Naval Academy
  - U.S. Military Academy
  - U.S. Air Force Academy
  - University of Pittsburgh
- He was born at
  - Fairmont, W. Va.
  - Williamsport, Pa.
  - Fort Oglethorpe, Ga.
  - Hermitage, Ark.

Answers appear on page 7.

—AWS—

## Det. 8 Honored For OJT Record

KADENA AB, Okinawa — The 1st Weather wing certificate of outstanding OJT achievement was recently awarded to Det. 8, 20th Weather squadron, in recognition of its OJT record.

Twenty-three detachment airmen were administered Specialty Knowledge Tests during a three year period which ended March 31, of this year. All achieved an unconditional passing score, with 10 of the 23 scoring 85 percentile or better.

Capt. William Brockmeyer is detachment OJT administrator and MSgt Horace Brent, OJT supervisor. Lt Col. Robert F. Durbin is detachment commander.



## Command Line

On September 18, the United States Air Force celebrated its 17th birthday.

Since becoming a separate member of the Armed Forces in 1947, the Air Force has progressed from propeller-driven aircraft through the jet age to the threshold of space—all in a short span of time. As space explorations advance, the need for trained personnel increases. A wide variety of scientific talent and skilled technicians will be in greater demand as travel in this new medium becomes as common as a flight from New York to Hong Kong.

Air Weather Service has played a key role in these early days of space exploration just as it did in the early days of military aviation. But the past is behind us; our sights are now on the future. I feel that one of our responsibilities in this great venture is to develop and enlist new talent into our ranks. Capable and devoted personnel will always be the Air Force's most important basic resource. We in the Air Weather Service must work toward the development of this resource if our support to future Air Force operations is to be effective.

The Air Weather Service is proud to have shared in the accomplishments to date and is looking forward with professional enthusiasm to playing a vital role in the Air Force's future.

Roy W. Nelson Jr.  
Brigadier General, USAF  
Commander

### Editorial

## Meteorological Evolution

Twenty years ago our predecessors engaged in "lone wolf" meteorology. The man on shift was the observer, plotter, analyst, forecaster and pilot briefer. The few pilots who wandered into a weather station received a dubious service which fluctuated with the meteorologist's facilities, skill and his unique approach to solving weather problems.

As aviation took giant strides forward, the complex demands of high-level, long-range aircraft placed more demands on the meteorologist than one man could handle. The observing function was the first to branch off. In the evolution of professional meteorological duties, the plotting function was the next casualty. Some old-timers fought this loss of the "feel" of the chart; but, generally, most meteorologists welcomed this realignment of duties.

More recently the cost, complexity and skill level required to produce professional analysis as an individual effort, led to the Weather Central concept as a logical step. Centralization and standardization were valuable gains from this move, and soon even the most recalcitrant meteorologists conceded that "you don't have to make the analysis to make the forecast."

We have now evolved to the plateau where increasing numbers of map forecasts will be made at centralized forecast facilities with the assistance of complex computers. At long last the meteorologist is free to perform his most vital task—interpret the weather for his customers.

The raw material which has been harvested by skilled observing teams, conveyed by high-speed communication systems, integrated by skilled analysts and computers into the most usable form for customer service—is ready to be sold. This is our most critical effort. Our detachment meteorologists who brief pilots and provide other meteorological advice are the "front-line" in our team; they are the "service" in Air Weather Service.

Channel and emphasize your service effort accordingly with an awareness for the team play necessary.

Milton M. Hause  
Colonel, USAF  
Deputy Commander,  
2d Weather group





**CLOSE TABS** on Hurricane Cleo are kept by Exercise Indian River III meteorologists at Air Force forces headquarters. Capt. Joseph Vittone, staff weather officer points out the position of Cleo to Lt Col. Lewis A. Pitt, Indian River weather support force commander. Operating a teletype connected with the Eglin weather center is SSgt Charles Taiclet, Det. 31, 3d Weather squadron, Dobbins AFB, Ga.

## Weathermen Support Indian River Exercise

EGLIN AFB, Fla. — Air Force and Army commanders concerned with joint exercise Indian River III, held in August, depended greatly upon the assistance of their staff weather officers during the month-long operation.

The weathermen were especially valuable since Hurricane Cleo was making her presence felt off the Atlantic coast.

The 2d Weather group, Langley AFB, Va., furnished the meteorological support for the exercise. Commanding the Indian River weather support force was Lt Col. Lewis A. Pitt, staff meteorologist of the US Army, Ft. Jay, N.Y.

From the standpoint of weather operations, Indian River III got underway earlier in the month when forecasts were made of the weather on the routes from Sewart AFB, Tenn., Langley AFB, Va.; Pope AFB, N.C. and Lockbourne AFB, Ohio to Ft. Riley, Kan., and then to Eglin AFB. These bases furnished the aircraft which airlifted 1st Infantry division troops to Florida from Ft. Riley for the exercise.

Weather support force members furnished pilots with a complete enroute weather picture including cloud structure,

wind speed, flight level temperature, icing conditions on alternate routes and landing points.

Once the actual deployment of troops was completed, the support force positioned its 19 officers and 87 enlisted men into five separate weather teams all vital exercise bases.

Throughout the exercise, observers and forecasters at the bases supplied the Eglin weather center with all pertinent data on present weather conditions. The center in turn furnished centralized forecasts and weather support to the teams. All weather units were connected by telephones and teletypes.

Staff meteorologists were assigned to each command headquarters in the field and gave a complete briefing on weather conditions to the force commander at any time.

## Off-Duty Photographer Departs Headquarters For Post in Germany

The AWS Office of Information bid farewell in August to one of its top contributors, Capt. William H. Quelch jr., of the AWS Inspector General office.

Captain Quelch has been assigned to the IG office since July 1961. He has been reassigned to Det. 2, 7th Weather squadron, Hanau, Germany, as detachment commander.

During his assignment to Hq AWS, Captain Quelch produced more than 290 photographs in his off-duty time which appeared in numerous magazines and publications throughout the world. Many of his photos were published in the AWS Observer.

His photography is strictly a hobby. As time allowed, he took photographs during IG inspection trips throughout the US, Europe and the Far East. His latest photo assignment was to Europe to prepare photo features for the Military Air Transport Service Directorate of Information.

—AWS—

## Seven Complete Weather School

CHANUTE AFB, Ill. — Seven AWS NCOs were recently graduated from two weather schools at the Chanute Technical Training center.

Completing the Weather Equipment Technician course were SSgt Martin L. Cooper, 3363d Instructor squadron, Chanute AFB, Ill.; TSgt Ernest D. Dixon, Det. 4, 33d Weather squadron, Kincheloe AFB, Mich.; SSgt William F. Douglas, Det. 8, 24th Weather squadron, Chanute AFB, Ill.; and SSgt John L. Haworth, Det. 9, 12th Weather squadron, Suffolk County AFB, N.Y.

Graduates of the Weather Equipment Superintendent course were TSgt Leslie L. Barney jr., Det. 4, 8th Weather squadron, Loring AFB, Me.; MSgt John W. Kendall, Det. 3, 9th Weather squadron, Fairchild AFB, Wash.; and MSgt Howard S. Davenport, Det. 35, 8th Weather group, Kelly AFB, Tex.

Instructors for the superintendent course were MSgt David S. Echols, MSgt Farris L. McCallister, Charles Hooper, Don Bushooper, and TSgt Richard W. Bordman.

## 4TH GROUP COMMANDER

COL  
**ROBERT F. LONG**  
"BUD"  
COMMANDER,  
4th WEATHER GROUP,  
ANDREWS AFB, MD.



COL LONG WAS BORN IN BOSTON, MASS.

ENLISTED IN U.S. ARMY IN MARCH 1942;  
COMMISSIONED 2nd LT IN NOVEMBER 1942.

STAFF WEATHER OFFICER OF THE 44th BOMB GROUP THE FLYING 8 BALLS FROM 1942 TO 1944, DURING THE EARLY EUROPEAN AND NORTH AFRICAN CAMPAIGNS.

FROM 1951 TO 1956 WAS CHIEF OF THE GEOPHYSICS DIVISION AND DEPUTY DIRECTOR OF RESEARCH, AIR RESEARCH AND DEVELOPMENT COMMAND.

FROM 1958 TO 1960 WAS AIR WEATHER SERVICE DCS/ OPERATIONS. BECAME COMMANDER OF THE 4th GROUP IN 1961.

HOLDS B.S. DEGREE IN PHYSICS FROM BOSTON COLLEGE AND M.S. IN ADVANCED ENGINEERING MANAGEMENT THROUGH AIR FORCE INSTITUTE OF TECHNOLOGY.

GRADUATED FROM INDUSTRIAL COLLEGE OF THE ARMED FORCES.

COL LONG'S DIRECTION IS LEADING THE WAY INTO NATURAL ENVIRONMENTAL PROGRAMS AFFECTING USAF, AFSC, AND OAR.

## Sea Survival Learned By 58th WRS Crews

KIRTLAND AFB, N. Mex.—Pilots and navigators aboard 58th Weather Reconnaissance squadron RB-57 aircraft are currently receiving training in sea survival.

Each is undergoing training at the Tactical Air Command Deep Sea Survival school at Langley AFB, Va. The five-day course was begun in May, and all aircrew members of the 58th WRS are to have completed training by October 1964.

First 58th WRS officer to attend the school was 1st Lt Gerald E. Olson, who graduated from the course in mid-May after a "rather wet, breath-taking" week.

Lieutenant Olson revealed that the curriculum was broken down into two days of classroom lectures covering marine life, recovery rates of downed crew members from the sea, use of food and water, survival equipment, search, rescue, and landfall navigation.

The last three days of training are spent in, or on the

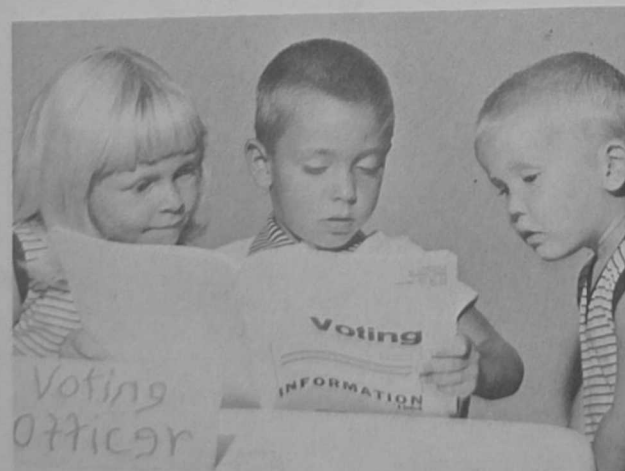
Atlantic coast water. Each student is required to free himself from a parachute harness while being dragged by an LCM boat across the water.

Five hours are spent by each student in a one-man raft. Three hours are spent in learning to maneuver a six-man raft and three more hours in learning to maneuver a twenty-man raft.

The lieutenant revealed that "sea-sickness generally takes a toll of one in four students."

During the simulated survival experiences, each aircrewman learns about equipment and procedures associated with each type raft.

## Youthful Citizens Display Route to Absentee Balloting



ALTHOUGH they are obviously below the legal voting age, these three youthful citizens show that the three-step route to securing an absentee ballot is as simple as falling off a log. Paying a visit to the voting



officer, they obtain information concerning voting in their particular state. Next, they fill out a post card application for an absentee ballot which they obtained from their voting officer. And finally, they place the



application in their family mail box for delivery to their local state voting official. These citizens have applied for their absentee ballot, you can too—that is if you are old enough to vote.

# Strike Command Is Swift, Combat-Ready Force

## TAC, CONARC Provide Flexible Team To Handle Threats of Limited War

Prepared By  
US Strike Command  
Public Affairs Office

At the height of the Berlin crisis, on July 25, 1961, the late President John F. Kennedy affirmed in unmistakable terms that the United States would meet all levels of Communist pressure with whatever levels of force required.

"We intend to have a wider choice than humiliation or all-out nuclear action," he stated.

One of the most dramatic manifestations of this thesis was the formation on Sept. 18, 1961, of the United States Strike Command with headquarters at MacDill AFB, Fla.

### Newest Command

This newest of the unified commands, reporting directly to the Joint Chiefs of Staff, is commanded by Gen. Paul D. Adams, who has exercised operational control of the over 225,000 combat-ready members of the Army and Air Force in the United States since the command was created.

His deputy, who has also been with the command since it was organized, is Lt Gen. Bruce K. Holloway, USAF.

The blue, brown, red and yellow Strike Command emblem was approved by the Department of Defense in April 1962. Symbolically, the background of land fortification, sea, and sky represent the major services—Army, Navy and Air Force.

The diagonal ray of light

symbolizes the far-reaching mission of Strike Command. In the ray, an eagle's claw emits lightning flashes toward the globe, indicating its world-wide striking power.

The three lightning flashes represent the distinct types of warfare capabilities—the wide flash with the bomb, traditional warfare; the flash with the nuclear symbol, atomic warfare; and the barbed lightning flash, psychological warfare.

General Adams describes the



Gen. Paul D. Adams  
Commander-in-Chief  
US Strike Command

purpose of Strike Command: "This command provides powerful striking forces that are swift, effective, flexible and selective and can contribute greatly to our ability to deal efficiently and rapidly with any limited war in a manner and on a scale best calculated to bring the limited war to a conclusion while minimizing the risk of

hostilities broadening into general war."

### Weather Support

Responsibility for providing weather support for Strike Command headquarters and its two components, Continental Army Command (ARSTRIKE) and Tactical Air Command (AFSTRIKE) is assigned to the 2d Weather group, Langley AFB, Va., commanded by Col. Kenneth A. Linder.

Providing staff and tactical support to Strike Command headquarters at MacDill AFB is Det. 1 of the 2d Group, commanded by Lt Col. Everette C. Newton.

Serving as Staff Weather Officer to General Adams is Col. Louis A. Gazzaniga. The SWO and the personnel of Det. 1—who currently number 18—form the Staff Weather division which functions under the Strike Command Director of Operations.

### Exercises Held

Strike Command participated in five joint exercises during fiscal year 1964, in addition to several no-notice exercises of a few days duration. One of the exercises was held in Iran in April in conjunction with Imperial Iranian forces under the auspices of the Central Treaty Organization.

The recently concluded Joint Exercise Desert Strike, conducted in the Mojave Desert region of California-Nevada-Arizona featured over 100,000 Army and Air Force participants and was the largest exercise in the United States in the last ten years. The weathermen of Detachment 1 participated in



every one of these exercises.

Weather support to Strike Command includes the preparation of weather annexes to exercise and operation plans and orders, the preparation and presentation of staff briefings and direct support to Strike Command field operations.

In addition, the Staff Weather division provides the weather input to operating instructions, standard operating procedures, doctrine statements and similar publications.

A vital and invaluable contribution to the carrying out of the mission of the newest and most dynamic of the unified commands is being made daily by a group of real professionals—the officers and men of Det. 1, 2d Group.



STREAKING over a Strike Command armored vehicle, F-105 fighter-bomber aircraft of the Tactical Air Command lend close air support to Army ground operations.



STRIKE COMMAND infantry sergeant stands with his weapon ready as the command's airborne elements plunge to earth during a recent training exercise. The 101st and 82d Airborne divisions are vital elements of Strike Command.



DUST-COVERED but determined, 2d Armored division tank crewmen seek out the aggressor enemy during a tune-up exercise prior to Exercise Big Lift.

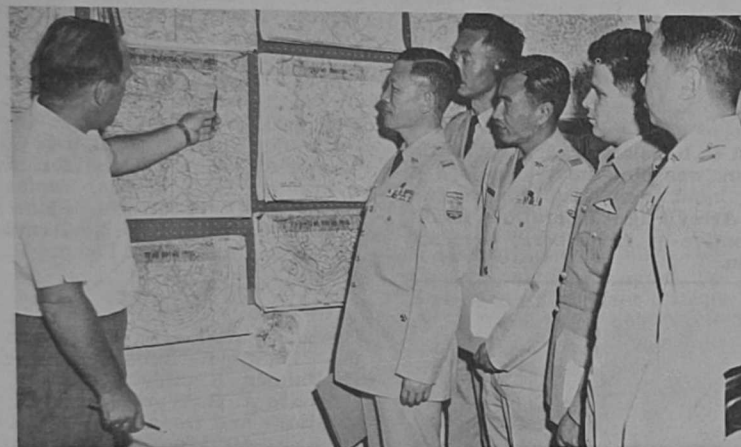


GRIM DETERMINATION shows on the face of a Strike Command infantryman as he undergoes bayonet drills as part of hand-to-hand combat training.

## Foreign Visitors



**WEATHER RECONNAISSANCE** was the topic of discussion between Maj. E. L. Jenner (far left) of AWS Air Operations, and four Korean Air Force officers (1 to r) Lt Cols Jae Sung Park, Pil Chang Kim, Jung Duk Hwan and Pil Hee Lee. The Koreans visited AWS Hq and AFCS Hq while on tour of Scott AFB during a national orientation tour of US bases.



**FOREIGN WEATHER** students received a weather briefing from Dr. Karl R. Johannessen, AWS Physical Scientist, during their recent visit to AWS Hq. The students, who recently completed weather forecaster's course at Chanute AFB, Ill., are (1 to r) Maj. Feng-Lin Chang, Capt. Hsia Cheng, Capt. Nai-Kuang Chu of the Chinese Air Force, 1st Lt Spiros Linardos, Royal Hellenic Air Force and Maj. Chun Chang Wang, Chinese Air Force.

### Paperboy Feted

## NCOs Walk Paper Route, Collect Cash for College

**OFFUTT AFB, Nebr.** — Two 3d Weather wing NCO's walked a paper route recently, but it wasn't theirs. CMSgt Dwain C. Duncan, Wing Operations Communications specialist and MSgt Gerald G. Smith, NCOIC of the Wing Comptroller Management Analysis branch spent three days calling on the customers of Jim Whitten, who has delivered the Omaha World Herald to residents of the Base Capehart housing every day for many years.

When they were finished, they had collected a gift of \$133.67 and two folders of autographs, which they presented to the regular paperboy, who will enter Nebraska Wesleyan university in September.

The money will be added to the hundreds of dollars of scholarships already won by Whitten, an honor graduate of Bellevue high school, to aid with his tuition at the college. He will study mathematics and physics.

Jim's father, CMSgt Henry J. Whitten of Offutt AFB, will report for a three-year assignment at Ramstein AB, Germany, in August.

"We were given money by people who aren't even on Jim's route," said Sergeant Smith. The weathermen, along with SMSgt Robert G. Perry of the SAC Surgeon General's office, called on 112 customers in collecting the "thank-yous" for the college-bound delivery boy.

The graduating newsboy isn't sure what kind of career he wants to pursue. But he already

has seven college level credits from the University of Omaha in analytic geometry and differential calculus.

In a way, the patrons were saying thanks to his whole family. His sister, brother, father and mother have, at times, helped in the paper route.

—AWS—

## Turkish Students Visit Cigli Unit

**CIGLI AB, Turkey** — Twenty-five Turkish students of Karsiyaka high school were recent guests of TUSLOG Det. 154, Cigli AB weather station.

The tour was arranged by Maj. John B. Dee, detachment commander, with Atilla Bicer and Bulent Ozplevneli, 10th grade students.

A2c Kenneth M. Ross, a detachment weather observer who speaks Turkish, assisted in conducting the tour and acted as interpreter when necessary.

## Retirees

The following AWS personnel retired as of July 31-Aug. 31, 1964. The listing is by unit and rank.

### Hq AWS

Lt Col. Jacob Follmer, Lt Col. Roger H. Olson, Lt Col. Vernon O. Snead, Lt Col. Robert E. Wegner, and Lt Col. William R. White

### 2d Wea. wg

Maj. Alfred S. Kolmos, Capt. Irving Newton, Maj. Wilson A. Nixon, CMSgt Eugene A. Zimmerman, TSgt Donald C. Jansen.

### 3d Wea. wg

Lt Col. Robert J. Calvesbert, Lt Col. Raymond O. Delahoussaye, Lt Col. William J. Gise jr., Lt Col. Woolsey M. Kane, Lt Col. Louis A. Snyder jr., Lt Col. Horace M. King, Maj. William J. Hamilton, Maj. Harry S. Ainslie, Maj. George D. Lehmann jr., Maj. William E. Woodside, Capt. Morgan V. Jones, TSgt Walter L. Clark, TSgt Richard L. Dowd, SSgt James A. Meloche.

### 4th Wea. wg

Lt Col. Allen R. Davis, Lt Col. John W. Wheeler, Maj. Arthur C. Kullen, Capt. Omer C. Thompson jr., CMSgt Paul R. Peaslee, SSgt Dillard H. King.

### 2d Wea. gp

Lt Col. Norman C. Cox, Lt Col. Evan J. Deemer, Lt Col. Herbert Kaye, Maj. Charles W. Vail, Maj. Benton R. Venable, CMSgt Eugene T. Zimmerman, SMSgt William S. Brown.

### 4th Wea. gp

Lt Col. George W. Kronebach, Lt Col. Robert L. Miller, Lt Col. Robert A. Suarez, CMSgt Robert C. Cartwright.

### 8th Wea. gp

Maj. John W. Thomas, TSgt Leo C. Milles jr., A1c Jerome Magel.

### 9th Wea. R gp

Lt Col. Marino E. Lazzari, Capt. William D. Outlaw jr., CMSgt Lawrence H. Kelly, SMSgt William L. Thompson jr., SMSgt Erwin K. Nelson, SMSgt George H. Turner, MSgt Clifford E. Owens, TSgt Howard W. Benner.

—AWS—



**ACCEPTED** for study at the USAF Academy Prep school, Colorado Spring, Colo., is A2c James R. Batchelder jr., Det. 2, 4th Weather group, Andrews AFB, Md. He began his year-long term at the prep school in July, and will attend the Air Force Academy next year if he completes his school successfully.

—AWS—

## Weathermen Share SAC Unit's Award

Personnel assigned to Det. 5, 21st Weather squadron, Sidi Slimane AB, Morocco, during January 1963 have been authorized to share in the USAF Distinguished Unit award, recently presented to the 3906th Combat Support group (SAC).

## Gen. Estes Cites Six For 1964 CRP Roles

Six weathermen were recently awarded certificates of achievement by Gen. Howell M. Estes jr., MATS commander for their contributions to the FY 1964 Air Force Cost Reduction program.

General Estes cited the weathermen for "contributing materially" to the Cost Reduction program objectives and "playing an important role" in enabling MATS to attain its assigned goals.

Brig. Gen. Roy W. Nelson jr., AWS commander, complimented the award recipients on their "significant" and "worthy" contributions to the cost program.

Receiving certificates of achievement were:

**Lt Col. John W. Donahue**, commander of Det. 36, 8th Weather group, McClellan AFB, Calif., for initiating a thorough study of AWS field maintenance shop procedures when emergency requests for maintenance assistance are received from a field location. As a result of his study, field maintenance personnel no longer travel to a location to repair equipment. Instead, when a call on equipment failure is received, the method of repair is discussed with the detachment personnel, and the field unit performs its own maintenance.

**Maj. Leo V. Baustian**, 9th Weather Reconnaissance group supply officer, for avoiding costs in the Equipment Maintenance Management area. He procured a condemned B-47 simulator from the McConnell AFB, Kan., Marketing and Redistribution center for urgently needed spare parts required to maintain the in-use B-47 flight simulator operated by the 9th Group.

**CMSgt Harold L. Dean**, Maintenance Control officer, Det. 39, 8th Weather group, Tinker AFB, Okla., initiated the repair of tachometers by the field maintenance shop rather than dispose of them through supply channels as previously done. His idea was to return the tachometers to serviceable condition by removing a small permanent magnet from the tachometer housing and remagnetizing it.

**MSgt Will E. Cosby**, maintenance technician, Det. 37, 8th Weather group, McGuire AFB, N.J., for developing a method of repairing the dew point elements of the ANTMQ-11 Humidity Temperature measuring set which in the past had been disposed of under Air Force supply system directives.

**A1c John R. Small jr. and A2c Albert T. Dolan**, maintenance technicians, Det. 39, 8th Weather group, Tinker AFB, Okla., for repairing time print units on

automatic weather balloon-tracking equipment with broken metal brackets. The units, which were due for disposal, were returned to service by using scrap metal to replace the broken brackets.

—AWS—



Mr. Noble

## Canada Appoints Weather Chief

**OTTAWA, Canada** — John Reginald H. Nobel, has been appointed director of the meteorological branch of the Canadian Department of Transport.

An earlier announcement by the Civil Service commission and the Department of Transport named Dr. T. G. How, regional director of air service at Vancouver, to this position, but for health reasons he declined the appointment.

Mr. Noble has been deputy director of the meteorological branch since 1959, when this responsibility was added to his position of chief of administration.

In these capacities Mr. Noble has played a major role in the planning and co-ordination of the overall meteorological program of Canada.

—AWS—

## MAAG Chief Guest At Unit Dining-In

**YOKOTA AB, Japan** — The 56th Weather Reconnaissance squadron held its third quarterly dining-in recently with Maj. Gen. Kenneth O. Sanborn, chief of the Military Assistance Advisory group (MAAG), Taiwan, as guest of honor.

General Sanborn spoke on MAAG and its roll in PACAF, and in particular, MAAG operations in Taiwan.

Special guests included Col. C. S. Overstreet jr., 5th Air Force Inspector General; Col. Rayburn D. Lancaster, 441st Combat Support group commander; Lt Col. Hershell L. Abbot, Det. 17, 1st Weather wing commander; and Chaplain Maj. W. Spiewak of Yokota AB.

—AWS—

The FPCA-Federal Post Card Application provides an easy way to get an absentee ballot.

The Observer regretfully reports the death of the following AWS airmen:

TSgt Luther C. Day and SSgt Clarence E. Donelson, Det. 1, 55th Weather Reconnaissance squadron, Eielson AFB, Alaska, from injuries received in private light aircraft accident near Rex Dome mountain, Alaska, on Sept. 3.

A2c Larry W. Olson, 55th Weather Reconnaissance squadron, McClellan AFB, Calif., July 20, of injuries received from automobile accident near Floriston, Calif.

A1c Terry J. L. Thomas, Det. 13, 24th Weather squadron, Tinker AFB, Okla., August 9, of gunshot wounds at Oklahoma City, Okla.

A1c Brian E. Williams, 2d Weather group (TDY to 3353d School squadron, Chanute AFB, Ill.), died August 28 from injuries received in auto accident near Farmer City, Ill.

## Births

THOMPSON, Alc and Mrs. Coy E. jr., a daughter, Janet Lee, born June 11, 1964 at USAF Hospital, Langley AFB, Va. Father assigned to Det. 2, 2d Weather group, Langley AFB, Va.

NABORS, SSgt and Mrs. Charles R., a daughter, Lisa Beth, born June 16, 1964 at Bitburg AB, Germany. Father assigned to Det. 1, 31st Weather squadron, APO 132, New York, N.Y.

MOORE, 2d Lt and Mrs. Allen H., a son, Allen, born June 20, 1964 at St. Joseph's Hospital, Bellevue, Nebr. Father assigned to 3d Weather wing, Offutt AFB, Nebr.

DILLON, 1st Lt and Mrs. Dan V., a daughter, Deborah Lynn, born June 22, 1964. Father assigned to 4th Weather wing, Ent AFB, Colo.

SMITH, Capt. and Mrs. Donald E., a son, Todd Mitchell, born July 23, 1964 at St. Joseph's Hospital, Bellevue, Nebr. Father assigned to 3d Weather wing, Offutt AFB, Nebr.

KORONA, MSgt and Mrs. Maximillion J., twin daughters, Jennifer Robin and Jeannine Ruth, born July 24, 1964. Father assigned to Det. 5, 8th Weather squadron, McCoy AFB, Fla.

SELLERS, A2c and Mrs. LeRoy R., a daughter, Laurie Shannon, born July 24, 1964 at Selma, Ala. Father assigned to Det. 21, 24th Weather squadron, Craig AFB, Ala.

KIEFER, A2c and Mrs. William L., a daughter, Kimberly Kay, born July 28, 1964. Father assigned to 4th Weather wing, Ent AFB, Colo.

KAID, A1c and Mrs. Dennis A., a daughter, Valery Suzanne, born Aug. 1, 1964 at Selma, Ala. Father assigned to Det. 21, 24th Weather squadron, Craig AFB, Ala.

—AWS—

## AF Son Goes Navy

TINKER AFB, Okla. — James R. Moseley, son of Lt Col. Elwyn A. Moseley, 6th Weather squadron (Mobile) commander, was recently selected by the US Navy as a student in the Regular Naval ROTC program.

He will attend Oklahoma university, and upon graduation, he will receive a Regular Commission as an ensign in the U.S. Navy.

## Two Dads Enlist Sons in Reserve

MARCH AFB, Calif. — Two 9th Weather squadron officers recently enlisted their sons into the Air Force Reserve in preparation for their entrance into the Air Force Academy Prep school at Colorado Springs, Colo.

Col. Arnold R. Hull, former 9th Weather squadron commander and now 2d Weather wing deputy commander, administered the oath to his son Robert.

Lt Col. Donald K. McGaughey, 9th Squadron plans officer, also swore his son, Scott, into the reserve. Both boys attended the school in July.

—AWS—

## Mrs. Falzgraf Earns Achievement Award; Red Cross Worker

RAMSTEIN AB, Germany — Mr. Bryan G. Falzgraf, wife of Lt Col. Bryan G. Falzgraf, Det. 21, 31st Weather squadron, was recently awarded the 17th Air Force outstanding achievement award for her work as chairman of the Ramstein AB Red Cross volunteers.

The award was presented by Col. Frank X. Krebs, commander of the 7030th Combat Support wing.

Mrs. Falzgraf was cited for accelerating and motivating the Red Cross Volunteer program at Ramstein. Under her guidance, volunteer service was provided to 11 agencies and civic groups in the Ramstein area on a continuing basis.

Colonel Falzgraf was recently reassigned to the 8th Weather group at Scott AFB, Ill.

## Marriages

OSBORNE-MURPHY — Sandra Louise Murphy, Plue Ash, Ohio, to A3c Richard E. Osborne, Det. 21, 24th Weather squadron, Craig AFB, Ala., on Aug. 7, 1964 at Milford, Ohio.



WEATHER observer A3c John C. Karsk, Det. 3, 7th Weather squadron, Heidelberg AAF, German, was pleasantly surprised recently when he received a helping hand from Miss Monica Praekelt, a civilian employee of the US Army Flight Operations facility at Heidelberg. Miss Praekelt, a native of Heidelberg, Germany, aids the airman during a pibal run.

## Newsboy Cited By Local Paper

LANGLEY AFB, Va.—David Benbassat, son of CWO Morris Benbassat, duty forecaster at Det. 2, 2d Weather group, was recently named the Hampton, Va., Times Herald newspaper carrier-of-the-month.

David carried two paper routes during the summer months in the Bethel Park and Forest Heights areas of Hampton.

A graduate of Hampton high school this year, he finished tenth in a class of over 800. He maintained an A average throughout high school and was twice winner of the Lions club incentive award in mathematics and also the award in science. He has accepted a mathematics scholarship worth \$1,350 per year at Massachusetts Institute of Technology.

—AWS—

## Promptness Costly For Father; Double Admission Charged

LARSON AFB, Wash. In most cases, being prompt is an inexpensive virtue. But for A2c Douglas Callahan, a weather maintenance technician at Det. 18, 9th Weather squadron, promptness on the part of his wife proved to be costly.

He was recently rushing his expectant wife to the hospital. Five minutes from the base she announced the time was at hand. He delivered the baby in the automobile, and continued on to the hospital.

Three days later, his wife and child were discharged from the hospital and he was presented with her bill. However, sometime later the paperwork reached higher headquarters, and someone spied a discrepancy: there were two admissions, therefore there should be two bills.

He paid the extra bill, and later lectured his wife on the costs of being prompt.



Mrs. Collins

## Judith Robinson Wed at Randolph

RANDOLPH AFB, Tex. — Miss Judith Lynn Robinson, daughter of Lt Col. and Mrs. Felle F. Robinson was recently married to 1st Lt William A. Collins, son of Mr. and Mrs. John F. Collins, Verona, Pa.

Colonel Robinson is 24th Weather squadron operations officer.

The ceremony took place in the Randolph AFB Chapel 1. Miss Robinson attended Baylor university, Waco, Tex., and Lieutenant Collins, Muskingum college, New Concord, Ohio.

—AWS—

## College, Commission For AWS Sergeant

LANGLEY AFB, Va. — SSgt Robert M. Heslin, a weather observer with Det. 2, 2d Weather group, has been reassigned to Florida State university to begin studies on his Bachelor's degree in meteorology, under the Airman Education and Commissioning program.

Upon graduation he will report to Officers Training school, Lackland AFB, Tex., for training and later a commission as an Air Force second lieutenant.

## 89 Selected For Captain

Eighty-nine AWS first lieutenants have been selected for promotion to temporary captain.

Selected officers who have four and a half years promotion list service (Regular) or active federal commissioned service (Reserve) by Oct. 1, 1964, will pin on their new bars on that date.

The remainder of the captain selectees will be promoted as they reach the four-and-a-half year plateau.

Captain selectees are:

### 1st Wea. wg

Francis S. Binkowski, Lawrence E. Boyd, Larry E. Coble, Austin G. Cotton, Paul M. Hoeting, Jerry D. Jones, Walter M. Monnier, Fred R. Newcomb, Truman Parker, Harold Pendergraft, Jerry W. Roylance, John R. Sweeney, Clement J. Thomas, Dan K. Waylett, Randall C. Webb, and Dennis M. Werking.

### 2d Wea. wg

Billy J. Barfield, Roland E. Barth, William E. Buchan, W. S. Bundara jr., Beverly D. Cameron, Foster H. Day, Carl A. Dobrot, Gale L. Gabbert, Salvatore F. Giannotta, Wallace G. Haggard, Joseph M. Kovac jr., Paul D. Patrick, Richard G. Pombrio, Victor F. Sartorius, Alexander E. Scheeren, James C. Schmidt, Fred A. Sloan, Theodore W. Stullich, Arnul Villarreal and William B. Wright.

### 3d Wea. wg

Jimmie D. Auten, John H. Benedict, James H. Blackburn jr., Richard I. Nummi, Herbert E. Palmer, Stanley A. Spivey, Clarence A. B. Warfel, Kelly A. Westlake and Donald A. Widen.

### 4th Wea. wg

Peter S. Delisi, Ronald L. Godbey, Alfred Iwerson jr., Owen M. Lee, Arnold L. Snyder jr. and Ronald F. Wachtmann.

### 2d Wea. gp

Orrin J. Bly and Arthur R. Klinger.

### 4th Wea. gp

David L. Donley, Frederick J. Fowler, Brown H. Gorrell jr., Willis J. Gran, Gordon S. Jones, Robert W. Smith and Roger B. Weldon.

### 8th Wea. gp

Ronald W. Coyle, Bobby T. Fowler, Thomas L. Harris, Curtis L. Hartzell, Frank A. Lombardo, Robert H. McCreary 3d, Del V. McDonald, William G. Olsen and Don R. Vanleuven.

### 9th Wea. Recon gp

Virgil F. Batten, Howard O. Bever, Victor R. Day, E. W. Donaldson jr., Lawrence W. Foley, Ben T. Furuta, Samuel A. Grow, Duane W. Hansen, Daniel R. Harshman, George W. Howe, William D. Jacob 3d, Harry R. Lagerwall, David M. Miller, Gerald E. Olson, Garvie H. Owensby, Michael E. Powers, James W. Sartor jr., Levi B. Welch, Kenneth P. Werrell and John W. Williams.

—AWS—

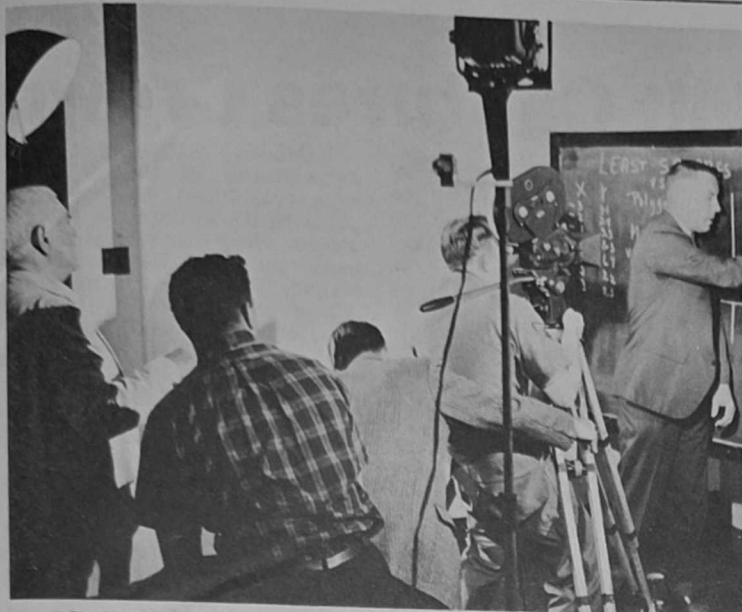
## AWS Officers Visit German Met Service

WIESBADEN AB, Germany — A recent staff visit by officers of 2d Weather wing headquarters to the German Military Meteorological Service at Porz-Wahn, Germany, has completed an exchange of such visits which began in April.

A similar staff visit was made nearly two months ago to the central office of the German Weather Service, a civilian facility. A reciprocal visit was made in late May by a group of German meteorologists who were given a demonstration of the Automatic Picture Taking ground station at Ramstein AB.



NEW CHAIRMAN of the Rhein-Main-Wiesbaden chapter of the American Meteorological society Maj. Leon M. Rottman (left), 2d Weather Wing, Wiesbaden AB, Germany, is presented the symbol of his office, an out-sized gavel, by Maj. Daniel E. McPherson, previous chapter chairman, of the 2d Wing. Other 2d Wing members elected to chapter offices were CWO Norman E. Schroeder, vice-chairman, Capt. Wilbert G. Maunz, secretary, and SMSgt Arthur E. Stockel, treasurer. The chapter is composed of both American and German meteorologists and other interested persons working in related physical sciences.



PROFESSOR Raeburn B. Stiles (right), Vanderbilt university, Nashville, Tenn., works at blackboard as Air Photographic and Charting Service camera crew captures on film his instructions in mathematics for a movie on Reserve Forces in MATS. As a Tennessee Air National Guardsman, he commands the 105th Weather flight (Mobile), Berry field, Nashville.

## Hurricane Abby, First of Season, Appears in Gulf

The first hurricane of the 1964 season occurred last month in the Gulf of Mexico, and the Hurricane Hunters—53d Weather Reconnaissance squadron—Hunter AFB, Ga., were on hand to observe it.

The storm, nicknamed Abby, generated suddenly off the coast of Texas near Galveston, on August 7. A WB-50, under the command of Maj. Lawrence J. Wernes, was assigned to reconnoiter the storm.

Major Wernes and his crew, on loan to the 53d WRS from the 56th Weather Reconnaissance squadron, Yokota AB, Japan, flew reconnaissance on Abby for 10 and a half hours.

Abby moved inland on the evening of August 7, and dissipated on August 8.

The US Weather Bureau Severe Weather Warning section complimented the Hurricane Hunters on their reconnaissance efforts. Due to the hurricane's proximity to land, warnings were issued with short lead time. The USWB cited prompt reporting by WB-50 crew members as being the key factor in issuing the warnings.

★ ★ ★

## Cleo, Dora . . .

(Continued from Page 1)

South Carolina. Since Hunter AFB was in the path of the hurricane, the Hurricane Hunters were forced to move from the base to Seymour-Johnson AFB, N.C. As the storm's effects were felt in North Carolina, the Hurricane Hunters were again forced to move, this time to Homestead AFB, Fla. In addition to flying reconnaissance missions, 53d WRS WB-50 aircraft carried newsmen from Time-Life and National Geographic magazines and the National Broadcasting Co. through the hurricanes for news coverage.

As the observer was going to press, Hurricane Gladys, with winds near 100 knots was northwest of Puerto Rico and was expected to follow a track that would take it into the Florida-Georgia area.

—AWS—

## 8th Squadron Officer Speaks at Workshop

WESTOVER AFB, Mass. — Maj. Harold S. Heppler, 8th Weather squadron technical services officer, recently lectured at an Aerospace Education Workshop conducted by the University of Hartford, Hartford, Conn.

He spoke on weather and atmosphere, the organization and history of the Air Weather Service, and explained new concepts and developments in weather analysis and forecasting. He also showed a film, "The Aerospace Meteorological Challenge," during the workshop.

—AWS—

## Regular Oath Taken While in Viet-Nam

TAN SON NHUT Airfield, Viet-Nam — 1st Lt Robert K. Kooser, 30th Weather squadron, recently became the first weather officer to be integrated into the Regular Air Force while serving in Viet-Nam.

The oath of office was administered by Lt Col. Thomas W. Lane, squadron commander.

## ORIGINAL MEMBER

CMSgt  
**LESTER H. ROBINSON**  
DET. 11, 4th WEATHER GROUP  
PATRICK AFB, FLA.

ONE OF THE REMAINING ORIGINAL MEMBERS OF AIR WEATHER SERVICE.

ENTERED THE US ARMY SIGNAL CORPS IN MARCH 1936 AND WEATHER SERVICE IN JANUARY 1937. ATTENDED THE WEATHER OBSERVING SCHOOL AT FORT MONMOUTH, N. J.

GRADUATED AS A WEATHER FORECASTER FROM THE AIR CORPS WEATHER SCHOOL AT PATTERSON FIELD, OHIO, IN 1939.

GIVEN A DIRECT APPOINTMENT AS A 2nd LT IN MAY 1942. SERVED ON EXTENDED ACTIVE DUTY UNTIL FEBRUARY 1946, WHEN HE WAS RELEASED AS A CAPTAIN.

CURRENTLY IN HIS 29th YEAR OF ACTIVE MILITARY SERVICE, AND HAS SERVED FOR OVER 25 YEARS AS A WEATHER FORECASTING TECHNICIAN.

IS A GRADUATE OF THE MATS NCO ACADEMY WHERE HE FINISHED IN THE TOP TEN OF HIS CLASS.

AMONG THE HONORED FEW WEATHERMEN AUTHORIZED TO WEAR THE MISSILEMAN BADGE.

BY TOM M. BARKOVAL  
HQ AWS/GP

## Commendation Medals

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

Col. Arthur W. Anderson, 2d Weather wing, from July 20, 1961 to May 31, 1964.

Col. Arnold E. Zimmerman, 53d Weather Reconnaissance squadron, from Jan. 8, 1962 to June 1, 1964.

Col. Hazen H. Bedke, 1st Weather wing, from July 31, 1961 to June 30, 1964.

Lt Col. David M. Sweeney, 4th Weather wing, from May 1, 1961 to July 1, 1964.

Lt Col. George W. Kronebach, Det. 51, 1210th Weather squadron from Sept. 1, 1961 to June 1, 1964.

Lt Col. Raymond J. Teliczan sr., 1st Weather wing, from Aug. 25, 1961 to June 5, 1964.

Lt Col. Roger H. Olson, Hq AWS, Aug. 29, 1961 to July 24, 1964.

Lt Col. Vernon O. Snead, Hq AWS, Aug. 1, 1961 to July 24, 1964.

Lt Col. John W. Wheeler, 29th Weather squadron, Det. 1, 29th Weather squadron, and 328th Fighter Interceptor wing, from May 31, 1963 to Aug. 4, 1964.

Lt Col. Jacob Follmer, Hq AWS, from Aug. 26, 1963 to Aug. 18, 1964.

Lt Col. Horace M. King, 9th Weather squadron, from June 20, 1960 to Aug. 18, 1964.

Lt Col. Roy A. Wegener, 2d Weather wing, from Oct. 1, 1961 to July 31, 1964.

Lt Col. Harold Banks, Det. 14, 21st Weather squadron, from Oct. 1, 1962 to Aug. 2, 1964.

Maj. Eugene T. Blanton, 30th Weather squadron, from July 17, 1963 to June 5, 1964.

Maj. Welton R. King, 4th Weather wing, from July 20, 1961 to Mar. 11, 1964.

Maj. Wilson V. Palmore, Hq AWS, from May 16, 1962 to July 28, 1964.

Capt. Robert W. Fett, Det. 52, 1210th Weather squadron, from Aug. 2, 1963 to June 26, 1964.

Capt. Godfrey D. Adamson, 57th Weather Reconnaissance squadron, from Sept. 6, 1962 to Dec. 23, 1963.

Capt. William O. Breedlove 3d, Hq AWS, from June 10, 1963 to July 17, 1964.

Capt. Vaughn W. Hall, Det. 1, 3d Weather wing, from July 17, 1960 to July 31, 1964.

Capt. Leon R. Tucker, Det. 11,

4th Weather group, from July 1, 1962 to June 30, 1964.

CWO William N. Hinds, 30th Weather squadron, from Feb. 11, 1963 to Sept. 8, 1963.

CMSgt Keith A. Wilkins, Det. 41, 28th Weather squadron, from July 5, 1961 to June 29, 1964.

SMSgt Erwin K. Nelson, 9th Weather Reconnaissance group, from Feb. 12, 1963 to July 21, 1964.

SMSgt Harry C. Simms, Det. 39, 8th Weather group, from Aug. 6, 1961 to Apr. 30, 1964.

SMSgt Thurman G. Woodbury, Det. 1, 55th Weather Reconnaissance squadron, from Aug. 30, 1961 to May 21, 1964.

SMSgt Clyde Howell, Det. 13, 15th Weather squadron, from Oct. 24, 1961 to June 23, 1964.

SMSgt Edward C. Bouchard, Det. 17, 21st Weather squadron, from Jan. 9, 1962 to May 26, 1964.

SMSgt James Holcomb, South Ruislip Forecast center, from July 1, 1962 to Aug. 31, 1963.

SMSgt Robert L. Whitescarber, Hq AWS, from Aug. 1, 1962 to May 1, 1964.

MSgt Gilbert Roth, Det. 5, 2d Weather group, from Dec. 1, 1961 to June 30, 1964.

MSgt Robert B. G. Slebodnik, 1st Weather wing, from Oct. 8, 1960 to June 4, 1964.

MSgt Clifford E. Owens, Det. 1, 55th Weather Reconnaissance squadron from Aug. 1, 1962 to Jan. 10, 1963.

TSgt Richard C. Wickman, 9th Weather Reconnaissance group, from June 18, 1961 to June 24, 1964.

TSgt Robert S. Pack, Det. 7, 30th Weather squadron, from Aug. 30, 1963 to July 8, 1964.

TSgt William M. McKenna, Det. 40, 28th Weather squadron, from July 17, 1961 to July 1, 1964.

TSgt Dominick Lopez, Det. 25, 28th Weather squadron, from Jan. 1, 1962 to May 23, 1964.

TSgt Charles H. Shultz, 54th Weather Reconnaissance squadron, from Aug. 1, 1962 to Mar. 31, 1964.

SSgt Kenneth M. Lawrence, MATS Support division, from Oct. 1, 1962 to July 1, 1964.

SSgt Robert Schelling, 58th Weather Reconnaissance squadron, from June 1, 1962 to June 1, 1963.

SSgt Glenn H. Hughes, Det. 13, 26th Weather squadron, from July 16, 1963 to June 15, 1964.

A1c Homer O. Woodard, Det. 7, 30th Weather squadron, from July 6, 1963 to July 2, 1964.

## Satellite Orbits Earth . . .

(Continued from Page 1)

Agena B.

The satellite was to have viewed the earth from a 575-mile-high circular orbit. Due to a malfunction in the Agena stage, the satellite was placed into an elliptical orbit ranging from 262 to 578 satute miles high.

Mission objectives of the Nimbus-A are:

- Demonstrate the placement and stabilization of a meteorological satellite into a precise continuously earth-pointing orbit.

- Evaluate the Advanced Vidicon Camera system (AVCS) for tape storage and readout of global cloud pictures during daylight.

- Provide improved pictures of local clouds by means of the Nimbus Automatic Picture Transmission (APT) system.

- Evaluate the High Resolution Infrared Radiometer (HRIR) system to map global night-time cloud cover.

A unique control system flown for the first time on satellites makes the 10-foot-tall spacecraft ideal as a weather observer. Nimbus is earth oriented and stabilized in all three axis.

Unlike the spin stabilized Tiros satellites, weather-measuring devices in the base of the Nimbus satellite will always point toward earth. This control system—plus a near-polar orbit—permits Nimbus to look at the earth's entire 200-million-square-mile area every day.

## Graduates . . .

(Continued from Page 1)

squadron, Washington, D.C.; TSgt Theodore P. Jaskowiak, Det. 1, 33d Weather squadron, Duluth International airport, Minn.; TSgt Max S. Qualls, 53d Weather Reconnaissance squadron, Hunter AFB, Ga.; MSgt Mose J. Troyer, Det. 26, 26th Weather squadron, Bunker Hill AFB, Ind.; and TSgt Maurice Webster, Det. 35, 8th Weather group, Kelly AFB, Tex.

Approximately 62 APT stations, including those in 12 foreign countries and four owned by private users, are participating in the Nimbus flight. Nineteen of these are assigned to the Air Weather Service.

NASA engineers are currently testing the Nimbus APT, AVCS and HRIR systems. When the engineering phase is complete, greater operational use of the data is expected.

Another satellite, Nimbus B, is scheduled for launching during third quarter of 1966.

—AWS—

## Solar Move . . .

(Continued from Page 1)

S. Hansrote of the 4th Wing. Functional as well as technical supervision of the AWS solar activities program had been performed at Hq AWS since the fall of 1962. The program was begun by Lt Col. Roger H. Olson, who recently retired from the Air Force.

The technical supervision portion of the program will be maintained at Hq AWS and will be under the Aerospace Sciences directorate. Captain McCright will remain as chief of the Hq AWS branch.

**Future Moves**  
AWS plans currently call for a world-wide network of solar radio and optical observing stations that will obtain information about the sun and the earth's ionosphere.

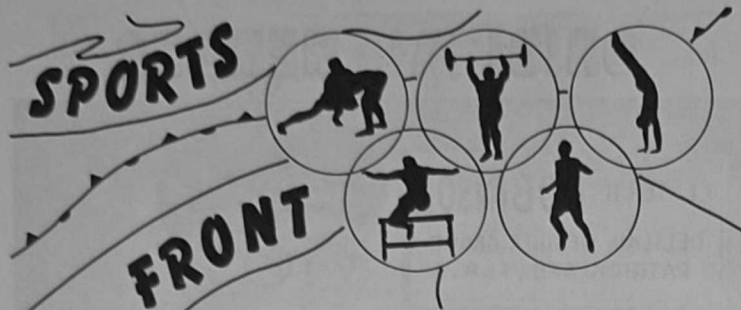
As a prelude to the plan, AWS will permanently assign its first officer to an Air Force solar observatory on October 1. Being assigned to the Sacramento Peak observatory, N. Mex., is Capt. John S. Sutherland, formerly aide de camp to Brig. Gen. Norman L. Peterson.

In another move toward completion of its plan, AWS will assign personnel to the Air Force's Sagamore Hill Radio observatory, Mass., in early 1965.

—AWS—

## Quiz Answers

1-b; 2d; 3-b; 4-c.



By 2d Lt Stephen H. Cornell jr.

As the baseball season grinds to a close, it's interesting (and embarrassing) to look back and see how we "experts" predicted the races would go. I could be kind and say that we were a bit off, but I'll be honest and admit we were dreadful.

Last April the Armed Forces Press Service polled 252 military editors asking for our choices in the upcoming season. The Yanks were overwhelming favorites in the American league. The Bombers were followed by Minnesota and Detroit. The White Sox were picked for fourth and then came Baltimore.

In the National, we were even worse. There, it was to be the Dodgers in a close race with the Giants and Cards. Then came Milwaukee and Cincinnati, followed by some people from Philadelphia. The name escapes me at the moment.

Actually, those of you who sent in predictions to the Observer did better than the editors. According to your forecasts, it will be the Yankees and the Giants in the series. Then you picked the White Sox and the Twins in the AL and the Cards and Phils in the senior circuit. It looks strangely like you knew something about the Dodgers that we didn't!

#### Something Needed

It appears to have been a bad year all over. Det. 4, 35th Weather squadron, McChord AFB, Wash., has just staggered through a very rugged softball season. Although finishing with a feeble 3-12 record, they maintain that this is not a true indication of their abilities. Under the coaching of TSgt Freeman Stickney, and with the help of heavy-hitting A1c Danny McNeill, they made life uncomfortable for the league leaders. All they needed was a little luck, and a pitcher and a catcher and a shortstop and a . . .

Recently the airmen at Hq 4th Weather wing, Ent AFB, Colo., decided that the annual headquarters picnic would be a good place to show off their softball skills and promptly challenged the officers to a game. Only one problem: the officers accepted. After a grueling, hard fought encounter, the airmen went down to defeat, 13-11. And to make matters worse, it rained.

#### Big Winner

Now a tale about a winner! A1c Thomas M. Davis, Det. 13, 8th Weather squadron, Ernest Harmon AFB, Newfoundland, captured the singles, doubles and all-events titles at the Strategic Air Command bowling tourney at March AFB, Calif. He posted a 3427 pin fall for the 18 game series for a 201 average. We've got people here in the Hq who couldn't bowl a 201 series!

In closing and to prove that the Observer is not beyond sticking it's neck out, we're going to give you the winners in the NFL. It has to be the Packers and the Browns. What do you think? Drop us a line. Surely someone, somewhere agrees with me!!



Mayday!!!

#### In Slow Pitch Softball

## Kindley Unit Captures Crown



HOLDING TIGHT to trophy the weather team won recently for taking first place in the Kindley AFB Slow Pitch Softball league are (left to right) TSgt Nathaniel Smith, team coach, A1c Bob Heinz and SSgt Bob Mendell. This is the second title for the weathermen, who also won the Winter Slow Pitch league crown.

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## Runners-up Honors Taken In Dugway Softball Loop

DUGWAY PROVING GROUND, Utah — The Air Force Jets, a softball team made up of players from Det. 15, 16th Weather squadron won the runners-up trophy in the Dugway softball league.

The Jets finished with a 13-5 record, one game behind the Army's headquarters company which captured the title. Eighty percent of the detachment's personnel participated with the team.

Team members were Capt. Mikel Cohick, 1st Lt Francis House, MSgt Gerald LaVere, TSgt John Wondzell, SSgt Charles Simons and SSgt James Swann.

Others were A2c James Baier, A2c Bruce Burton, A1c Donald Cameron, A2c Gary Goodenow, A2c Larry Lewellen and A2c Daniel Schilling. Civilians attached to Det. 15, who played for the team, were Otto Haase, Gary Hansen, Carl Holmes and Wendell Kirk.

—AWS—

## Weathermen Win At Tennis Meet

Lt Col. William H. Shivar of the AWS Operations Army Support branch, and A2c Robert H. R. DelGado, Hq 2d Weather group, Langley AFB, Va., as members of the Air Force team, recently participated in the Armed Forces tennis tournament at Newport, R.I.

Colonel Shivar reached the finals of the senior singles division and teamed with Maj. Bill Farmer of the Air Defense Command to capture the senior doubles tournament.

Airman DelGado reached the semi-finals in the open singles division and teamed with Capt. Henry Jungle of Air Defense Command to win first place in the doubles.

In late August, Colonel Shivar traveled to Des Moines, Iowa, and walked off with the Hawk Eye state championship in the 35 years old and over class.

—AWS—

Absentee voting today is easy for servicemen—don't pass it up.

## Pressure Shot On 18th Green Wins Tourney

TORREJON AB, Spain — After finishing in second place in each of the first three rounds of the recent USAFE France-Spain golf tournament, Capt. Robert A. Newhall, Det. 11, 21st Weather squadron, staged a dramatic finish to capture the title.

Newhall sank a three-foot putt on the final hole, while his nearest competitor missed a 10-footer by inches to decide the championship.

Newhall finished the tourney with a 310, while the second place finisher had a 311.



CARRYING a 200 average in the Michigan Beach Summer Bowling league, A1c Mike Evans, Det. 11, 4th Weather group, Patrick AFB, Fla., recently rolled a 704 series to qualify him for membership in the Brevard County bowling association "700" club and an American Bowling congress 700 arm patch.

KINDLEY AFB, Bermuda — Detachment 18, 15th Weather squadron added another first place to its softball awards recently when it captured the base Summer Slow Pitch league. They also captured the winter league crown.

After losing two of their first four games, the weathermen won 19 and lost one for the remainder of the season and took the league title three games ahead of the second place National Aeronautics and Space Administration entry.

In their final game of the season, the weathermen dumped the Army 9-5. Leading the weather attack were A2c Robert Marcuse with a home run and TSgt Larry Plant with a triple.

Team members were SSgt Bob Mendell, TSgt Nathaniel Smith, A2c Clarence Kooymann, SSgt Andy Noll, A1c Ted Britain, MSgt Clifford Jones, MSgt James Stone, A1c Art Rowan, SSgt Bob Knicely, SSgt Al Peterson, A1c Bob Heinz, and A1c Don Jerrens.

As winners of the league, the individual players on the team will be awarded trophies.

—AWS—

## Team's Victory Sparked by NCO

WIESBADEN AB, Germany — An Air Weather Service NCO helped lead the Wiesbaden AB Flyers to victory in the recent USAFE Germany sports conference swimming and diving championships.

MSgt George E. Cramer, forecaster at Det. 26, 31st Weather squadron, swam for the Flyers in three events. He finished third in the 200 meter freestyle race, fourth in the 400 meter freestyle and was a member of the winning 200 meter freestyle relay team. In the relay event, the Wiesbaden team set a conference record of 1:58.2.

Sergeant Cramer has been active in base sports activities throughout his tour in Germany. He recently led the Wiesbaden volleyball team to the conference championship, which qualified the team for the USAF world-wide tourney at Otis AFB, Mass.

—AWS—

## Game Separates League Leaders

Only one game separated the winning and second place teams as the Hq AWS Summer Mixed Handicap Bowling league came to a close last month.

Det. 1, 8th Weather group took first place with a 38-18 record. AWS Operations finished second with a 37-19 record.

Leading in individual honors was Miss Ruth M. Bommer-schein, AWS Personnel, who posted the league high series for women with a 539. She also received an achievement award for raising her average 4.83 points.

High single handicap game award winner in the women's class was Mrs. Mary A. Lehart, AWS Materiel, with a 252.

The most improved male bowler was Lt Col. David A. Suddeth, AWS assistant Personnel deputy, who increased his average 12.03 points.