



PLANELY INTERESTED in the Air Weather Service RB-57F, President Nixon stopped to chat with its pilot, Major Francis X. McCabe at Indianapolis, Ind. Standing behind the President is

Secretary of Agriculture Clifford Hardin who briefed him on the 1971 Corn Blight Watch. The Secret Service man at right is unidentified. (U.S. Air Force Photo)

## President Nixon visits RB-57F

SCOTT AFB, Ill. — President Richard M. Nixon paused during his visit to Indianapolis, Ind., to learn the progress being made in this summer's corn blight project aimed at detecting and studying the disease that infected 15 per cent of last year's crop.

He showed interest in the U.S. Air Force RB-57F aircraft being used to photograph cornfields in seven states across the Midwest corn belt. President Nixon spent several minutes chatting with Major Francis X. McCabe, pilot, revealing he had not seen a RB-57F before and asking several questions about it. He inspected

the aircraft and the multi-million dollar camera pallet belonging to NASA.

Major McCabe flew the RB-57F to Indianapolis from Forbes AFB, Kans., with the help of Captain Melvin W. Burns, navigator. Both men and the aircraft are assigned to Air Weather Service's 58th Weather Reconnaissance Squadron at Kirtland AFB, N. M., near Albuquerque. (See related story on pages 4-5.)

Taking part in the experiment are the Department of Agriculture (USDA), the National Aeronautics and Space Administration (NASA), and the United States

Air Force's Air Weather Service.

The target of the project is Southern leaf blight, a deadly new strain of fungus that hybrid corn was bred to resist; it has already been confirmed in hundreds of corn fields over 19 states this year.

Much of the action in this project comes from the high-flying RB-57F aircraft soaring overhead at altitudes over 12 miles, taking photographs that cover 225 square miles in a single frame. The photographs are of 210 sites spread across Illinois, Indiana, Missouri, Iowa, Ohio, Minnesota, and Nebraska.

## General Catton talks to Travis AFB personnel

Editor's Note:

MAC Headquarters has directed the following transcript of the MAC Commander's remarks at Travis be published on page one of each MAC newspaper.

HQ MAC, SCOTT AFB, Ill. (MNS) — The following is a transcript of General Jack J. Catton's impromptu remarks last week to all officers, NCOs and civilian supervisors at Travis AFB, Calif.:

"You know, if you picked up a newspaper and read a headline that said 'Catton Sizes Up Travis . . . Bosses Blamed,' it might give you some ideas. More than likely, they'd be wrong. You might see another that says 'Travis Race Riot Blamed on Supervisors.' It'd be awfully hard if you didn't read the rest not to

come up with the wrong conclusion. So there's a very high probability of mistake, in my opinion. That's why I came here . . . to make sure that there are no mistakes on YOUR part with the respect to what I think . . . about you.

"You see, you're really the key to the whole thing. I've told supervisors, commanders and NCOs before that there's just no way for us to do our thing . . . without you. Absolutely impossible!

"We've made mistakes and we will continue to make mistakes. The big mistake made here is the same big mistake that I think exists throughout . . . not only the Air Force . . . but the American society. It's a lack of sensitivity. It's a lack of understanding. It's a lack of the ability to exer-

cise the kind of human relations that are the foundation of this country.

"So, I can't blame Travis. I can't blame the Air Force. I can't even blame myself. What I'm saying is simply this . . . what occurred here was, to some extent, the consequence of our failure to be sensitive enough to the social problems which face this country. It's the only mistake that was made.

"As a matter of fact, I think the leadership here . . . once we did have disorder . . . once there was an outbreak of violence . . . did an extremely fine job of controlling a highly explosive situation. I think that General Bill Moore did a superb job of exercising leadership during those hot, troublesome days.

## Maintenance records top scores in MAC

TACHIKAWA AB, Japan — Air Weather Service units have proven to be the top two Military Airlift Command maintenance units in 1971 with their showings in recent no-notice inspections.

Detachment 52, 20th Weather Squadron's overall score of 97.4 per cent efficiency is unmatched this year in other MAC Maintenance Standardization and Evaluation test (MSET) visits. Second place is held by the 56th Weather Reconnaissance Squadron at Yokota AB, Japan, with a 95 per cent score.

In a personal message to Captain Alfred R. Garcia, Det. 52 commander, General Jack J. Catton, MAC commander, said:

"I have noted with great pleasure the results of the MAC MSET visit to Det. 52. Your overall rating of 97.4 is the highest attained by any unit in the 1971 cycle and reflects the concerted and diligent efforts of all personnel assigned.

"Particularly noteworthy is the fact that of the four areas evaluated, three were rated excellent. These ratings exemplify the professionalism we desire throughout the command. It is obvious local management and supervision are of the highest standards."

Det. 52 has a unique mission that sends its men over 150,000 TDY miles a year — equivalent to six trips around the world. The unit has only 16 maintenance men to provide intermediate maintenance and emergency supply support to weather units in Korea, Japan, Okinawa, Guam, the Philippines and Taiwan.

The detachment supports, in addition to AWS units, friendly nation forces in Korea, Japan and Taiwan; U.S. 8th Army in Korea; and the Japanese Meteorological Agency at Itazuke AB, Japan.

To accomplish this vast mission, teams are dispatched to supported units on a regular basis to assist local maintenance personnel. In an emergency, teams and supplies are ready to go anywhere in the Far East on 24-hours' notice.

In recognizing the 56th WRSq. achievement of a 95 per cent rating, General Catton sent a personal congratulatory message to Colonel Glenn A. Patterson Jr., squadron commander.

He commented, "the squadron's overall score of 95 per-

centile reflects the concerted and diligent efforts of all personnel assigned."

The MAC team tested and evaluated in all areas of squadron maintenance, from basic jet engine mechanics to management and supervision to complex avionics equipment maintenance and upkeep.

The 56th WRSq. conducts aerial weather reconnaissance, storm tracking and atmospheric sampling to meet the needs of the Department of Defense and other agencies. The workhorses of the high-altitude sampling fleet include the RB-57's and WC-135's.

## AWS aiding in metromex

SCOTT AFB, Ill. — Air Weather Service is contributing a team of 20 weather observers to a summer research project in the St. Louis metropolitan area designed to determine the effects of a large city on the weather.

The project, known as Metro-mex, is directed by Dr. Bernice Ackerman, a research meteorologist with the Argonne National Laboratories at Chicago, Ill. The first phase was June 14 to 30 and the second phase will be from August 15 through early September.

The team is from the 6th Weather Squadron (Mobile), Tinker AFB, Okla., working out of Scott AFB, Ill., under the supervision of MSgt. George J. Parker.

Team members set up and operate 20 different observing sites in and around St. Louis as their contribution to the study.

St. Louis was chosen for the experiment because of its location on relatively flat terrain and the fact measurements would not be affected by the proximity of large bodies of water. Balloon tracking stations were located all around the city to give accurate wind data in any direction.

It has been known for some time a large city will affect the weather in its surrounding area. Increased precipitation, extremes of temperature, and variances in wind velocities and direction have been attributed to the presence of large metropolitan complexes, according to Dr. Ackerman.



General Catton

# Command Line

Brig. Gen. William H. Best Jr.



With the Armed Services goal of an all-volunteer force, Air Weather Service will follow closely the programs implemented at USAF and DOD level, and particularly the MAC "four-phased thrust."

- I is identification and resolution of career irritants.
- II is improving the quality of Air Force life.
- III is making people want to serve in MAC.
- IV is retention of our people.

We in Air Weather Service must actively participate in these vital programs. First and foremost, we must offer our people the challenge of performing difficult but meaningful jobs. I feel our guys are happier if we thrust responsibility on them and provide opportunities for them to show their ability. Naturally, supervisors should provide guidance when requested, but rather than over-managing, managers must find ways to allow subordinates the freedom of deciding how difficult tasks can best be accomplished.

*Additionally, we need to identify and eliminate irritants over which Air Weather Service exerts some control. One deterrent to retention is supervisory lack of interest in our young airmen. Each supervisor must know his people and make each one of them feel useful and important. We must also eliminate "Mickey-Mouse" additional tasks our young people perform both during and after duty hours if we want them to feel like responsible adults.*

In short, we must do what we can to make our young officers and airmen want to stay in the Air Weather Service. Our young people have to be convinced they are individually important to us, that what they are doing is important to the Air Force and the nation, and that they are doing is self-filling to themselves. As in all things, *people* are what life is all about.

## Here's My Answer

Several Air Weather Service members have written to me to register their dismay at the Air Force decision to eliminate proficiency pay for AFSC 302XO, maintenance technician and also reduce the variable reenlistment bonus in that specialty. We made a strong reclama of this decision; I discussed this matter personally with headquarters people in the Pentagon during a recent visit. Unfortunately, our attempts to get these entitlements reinstated did not succeed. I want to take this opportunity to explain to you what the problem is all about.

Proficiency pay and VRB depend on the career-force manning level in a particular AFSC compared to the manpower requirements. The Department of Defense defines requirements as the number of positions in that AFSC authorized at pay grades E5 and above. The career-force manning level is the number of airmen, regardless of grade, who have achieved career status by reenlisting. Proficiency pay and a higher VRB multiple will be authorized only when the percentage of assigned to required drops below a certain critical figure.

You may ask "If this is so, why are we short of maintenance guys?" The explanation is that our overall shortage results from shortages in the first-term airman force, while surpluses exist in the career component. And it is the latter which determines proficiency pay and VRB designation.

I have appreciated your letters of inquiry on this very important question and share in the widespread frustration that we could not retain these entitlements. If our career-force manning level should sink, we will of course take action to get these entitlements reinstated.

# General Catton's Travis remarks

(continued from page 1)

"Another one is sensitivity. How many of us are so selfish that we really don't try to understand another man's problem? A good number, I'd say. You must be sensitive or you CANNOT be a successful leader. We lack sensitivity in the United States. We lack it in the Air Force . . . to a lesser degree.

"Another key is empathy. You must be compassionate. You know, it doesn't do much good to understand a man's problem if you don't give a damn! You cannot be a leader unless you have compassion for the guy next to you . . . for the gal that's working for you.

"Many more keys . . . but they all add up to one thing—leadership! I think the leadership here has been good. It's been BETTER at Travis than it's been many other places in the Air Force . . . or in any of the services . . . certainly in our society.

"I have confidence in you . . . I have pride in what you've done . . . and in what you're doing. But I'm certainly going to be sensitive to our weaknesses . . . as well as our strengths. And that's what I want you to do.

"Anybody who doesn't understand that our blacks have a frustration . . . and a dissatisfaction that is deep-rooted . . . who doesn't understand the reasons . . . is NOT a man who has understanding . . . is not a man who has empathy . . . is not a man that can communicate.

"Now, how much of our problem here had to do with the dissatisfactions and the frustrations of the blacks is a little bit hard to figure. The manifestation was a black and white problem. I choose to believe otherwise. I choose to believe that it was the breadth of dissatisfaction on the part of our young people in the Air Force . . . one, with the Air Force . . . two, with the society.

"Alright, remember what I told you before. Dissent . . . just another way of saying dissatisfaction . . . a desire to change . . . dissent is something we must expect in a democracy. Dissent is something embraced in our Constitution. If you didn't have dissent, you'd have no progress. Just as important is the fact that dissent must be expressed within the framework of the law. When it IS . . . it's productive. When it isn't . . . it's anarchy . . . it's DE-structure.

"Let me tell you something . . . you know this . . . the United States Air Force is less discriminatory . . . racewise . . . than any organization on this earth! That's not to say that discrimination does not exist in the Air Force. I just say . . . and I know . . . that less exists than any other place. Less discrimination exists in the American society than any other society in the world. And that's a fact. That's not to say that discrimination does not exist. It most certainly does . . . unfortunately.

"Those are facts we all must understand . . . and EVERY ONE of us should be dedicated to elimination of those things that are un-American. Let's face it: it is un-American to discriminate for reasons of race . . . creed . . . point of origin. Don't ever forget it.

"Now, let me put it in perspec-

ive. What we must do in the Air Force is to gain the right balance between human relations—the people concern—and performance of mission. That's what we're looking for—the right balance between performance of mission . . . because, by God, we must perform the mission or we're all out of it, we lose EVERYTHING . . . and between people concern . . . between empathy . . . understanding . . . and action. And, you know, we cannot achieve balance of those two important things . . . successfully . . . if we don't have order and discipline. And we're damned well not going to TOLERATE disorder or breaches of discipline. NOBODY in the Air Force wants that.

"Remember this . . . and then I'll turn you loose . . . we really don't have any room in the Air Force for blacks . . . or whites . . . or reds . . . or browns. We want AMERICANS! And, believe

me, you're really not thinking if you don't understand that.

"Although this is not a perfect society, it's made more progress than any other. And it's going to continue to make progress. We, as Americans, serving in this . . . the best Air Force in the world . . . are dedicated to the proposition that this Nation, whose Government is based on the principle of freedom under law . . . that has a real respect for each individual . . . will not only be secure, but it will progress.

"I'm very proud to be associated with the 60th Wing, 22nd Air Force, Travis Air Force Base. Let's be sure we learned our lesson that came reasonably cheap. Remember, balance is required if you're going to be a successful leader. Mission . . . people . . . proper balance. And remember, transcending all . . . in the Air Force we want AMERICANS, dedicated AMERICANS!

## Guam tributes director of Joint Typhoon Center

ANDERSEN AFB, Guam—Recently retired Air Force Lieutenant Colonel John J. R. Kinney has been honored by the Eleventh Guam Legislature for his service as director of the 1st Weather Wing's Joint Typhoon Warning Center in Guam.

Resolution number 265, signed by the speaker and the legislative secretary if the Legislature, reads, in part:

"WHEREAS, in May of 1969 Colonel Kinney was assigned as the Director of the Joint Typhoon Warning Center in Guam, and served in such position for a period of two years, during which time typhoon forecasts were more accurate than ever before recorded, adding immeasurably to the safety and comfort of the people of this territory; now therefore be it

"RESOLVED, the Eleventh Guam Legislature does hereby on behalf of the people of the territory of Guam, commend Lt. Col. John J. R. Kinney, U. S. Air Force, who served as Director of the Joint Typhoon Warning Center in Guam from May 1969 to May 1971, for his accurate recording of typhoon forecasts and

his service to the people of this territory during his tour of duty on Guam; and be it further

"RESOLVED, that the Speaker certify to and the Legislative Secretary attest the adoption hereof . . ."

The Joint Typhoon Warning Center is operated by the Air Force and Navy to monitor the activities of Pacific typhoons.

Colonel Kinney was a meteorologist with the Air Weather Service for over twenty years.

Operating out of Nimitz Hill, Guam, the Joint Typhoon Warning Center's area of responsibility covers the most important populated area and bases in the Pacific, including Clark AFB, Philippines, Kadena AB, Okinawa, CCK AB, Taiwan, Yokota AB, Japan, Andersen AFB, Guam and Southeast Asia.

Advance warning of typhoons, whose origins are not fully understood by scientists, is necessary for base commanders to make crucial decisions, such as evacuation of aircraft vulnerable to high winds and making emergency preparations to protect base personnel. Civil authorities also make widespread use of warnings.



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BRIG. GEN. WILLIAM H. BEST Jr.  
Commander, Air Weather Service  
LT. COL. WILLIAM H. QUELCH Jr., Director of Information  
CAPT. JOHN CRANFILL, Editor

# Cloudseeding effort in South Texas ends

by Capt. John E. Cranfill

SCOTT AFB, Ill.—Air Weather Service has completed its national resource participation in the Texas Drought Relief Operation Program (T-Drop) ordered by President Richard M. Nixon during the month of June to alleviate extreme dry conditions in South Texas.

Clement Todd, Bureau of Reclamation (BuRec) project director, and 1st Lt. Robert Sax, Air Force coordinator, called the experiment a success. They seeded over 700 clouds with 2,669 flares on 24 straight days of flying with only one day off. Conducting 36 missions, the aircraft ranged to Dallas on the north, Laredo on the south, Louisiana to the east and Junction to the west.

The staff assigned at Kelly AFB included BuRec and the Texas Water Development Board, representing the state and settling any political questions, such as what areas would be seeded.

Some 60 personnel of AWS participated in the project, directed by BuRec, running from June 6 through 31 at Kelly AFB, Texas. Included were 1st Lieutenant Sax and Captain Ted Cress from Scott AFB, Ill.; Lt. Col. William Christian of the 9th Weather Reconnaissance Wing at McClellan AFB, Calif.; members of Detachment 7, 17th Weather Squadron at Kelly AFB, Texas; crews and aircraft of the 55th Weather Reconnaissance Squadron at McClellan AFB, Calif.; a team from the 6th Mobile Weather Squadron at Tinker AFB, Okla.; and a RB-57F from the 58th Weather Reconnaissance Squadron at Kirtland AFB, N. M.

Two WC-130s were modified with exterior racks to hold silver-iodide dispensers. The silver-iodide flares were fired electrically by the co-pilot downward into the clouds, at about the -8 degree

Centigrade height, usually about 17 to 19,000 feet.

"The pyrotechnic flares burn for about 45 seconds, releasing silver-iodide crystals, which provide a nucleus for ice crystals to form around," Lt. Sax said.

"As a supercooled water droplet in the seeded cloud top is converted into an ice crystal, heat is released to the atmosphere. Granted, this heat is a relatively small amount, but multiplied thousands of times, the temperature of the cloud can increase by as much as 1 to 3 degrees Centigrade.

"This heat causes the cloud top to expand and build upward. The vertical cloud development can promote rainfall, that may or may not naturally occur," he said.

According to Lt. Sax, rain-enhancement efforts have been around for a long time, at least 20 years. Seeding with silver iodide was developed in 1947, but the Air Force has used it only once before to increase rainfall in a project called Gromet II, conducted in the Philippines in 1969.

Lt. Sax was handpicked for the experiment because he has a Ph.D. in cloud physics from the University of London and had just the previous month (May) worked as a flight director with Dr. Joanne Simpson in a National Oceanic and Atmospheric Administration (NOAA) cloudseeding project in Florida.

His coworker, Captain Cress, has a M.S. in atmospheric science from Colorado State University and considerable experience flying aboard WC-130s as a weather reconnaissance officer. Captain Cress has applied to AFIT for a Ph.D. in cloud physics.

The two aircraft, three complete crews and 25 maintenance men were the responsibility of



HEAVENLY HALO is formed by a cap of ice over this large cumulus cloud tower a half hour after it was seeded with silver iodide crystals by an AWS WC-130 operating out of Kelly AFB,

Texas. The picture was taken between Laredo and Cotulla during the White House-directed experiment to alleviate the extreme drought in South Texas. (U.S. Air Force Photo)

Colonel Christian of 9th WRWg., who served as task flight commander, based on his considerable 1969 cloudseeding experience with Dr. Pierre St. Amand in Gromet II in the Philippines.

The base weather station, Det. 7, 17th WSq., commanded by Captain Johnny Gelbhar, gathered most of the data needed to make the daily "go" or "no go" decision.

His dedicated weather personnel worked long hours, often coming in when they were off shift and on the weekends.

Morning soundings were taken at Kelly by men of the 6th Mobile Weather Squadron team from Tinker AFB, Okla., directed by

MSgt. R. A. Villarreal. They released and tracked helium-filled balloons carrying a package of weather instruments that transmitted back data on temperature, humidity, pressure and wind direction and speed up to 53,000 feet.

Similar soundings were taken from Victoria, Del Rio and Brownsville, Tex., and Lake Charles, La., and fed into two computer models, one in Denver and the other in Suitland, Md., where Major Thomas Flattery worked long hours perfecting, and updating the numerical program and transmitting the results.

The computer models were connected to a readout in the

base weather station. They gave a daily prediction of the seedability of several size cloud cells, the approximate number of clouds, their heights, precipitation content and duration in the area where seeding activities were conducted.

The RB-57F high-altitude reconnaissance flights from the 58th WRSq. at Kirtland AFB, N. M., were used to take photographs covering 50 by 100 miles per frame of seeding activities. These photographs will enable Lieutenant Sax and Captain Cress to study details of cloud development before and after they had been seeded.

The RB-57F flights had to be



A1C THOMAS HAUPERT, a graduate of the GMD school, instructs A1C Randy Hayes in basic maintenance practices on the AN/GMD-2 rawinsonde mockup at Det. 2, 6th WSq., McClellan AFB,

Calif. All Intermediate Maintenance Detachments (IMDs) have been consolidated under the 6th WSq. (Mobile).

(U.S. Air Force Photo)

## 6th Squadron transfers, assumes maintenance units

SCOTT AFB, Illinois—The 6th Weather Squadron (Mobile) of Tinker AFB, Oklahoma, one of the most unusual organizations in Air Weather Service, has transferred from the 6th Weather Wing to the 7th Weather Wing, headquartered at Scott AFB, Ill.

Along with this switch, 6th WSq. assumes control of the 7th WWg.'s seven Intermediate Maintenance Detachments (IMDs) which provide intermediate maintenance support to all ground meteorological equipment assigned to all Air Force and Army installations in the CONUS and selected overseas areas.

The "Sixth Mob" is unique in that it is the only organization in the Air Force organized and equipped to provide all types of weather observing support to using agencies on a worldwide basis. In recent years, squadron weather observers have lived and worked in such far-flung locations as Africa, Asia, the South Pacific, Alaska, South America, Panama, Greenland and Europe.

The globetrotting observers of the "Sixth" are accustomed to living in motels, in grass thatched huts, aboard ships and in tents.

They are prepared to, and often do, live in modern cities or in rain forests and jungles, in deserts or on remote south sea islands and even in the snow covered expanse of the Alaskan tundra. Should temporary weather support be required on the moon, the 6th WSq. may be there, too.

The squadron mission actually requires its 350 personnel to be prepared to support many missions including photomapping operations, anti-pollution studies, lunar landing vehicular training, severe storms studies, and U.S. Army operations. In addition, the squadron has supported a myriad of scientific projects designed to improve the state of the art of meteorology.

The 6th WSq., with its small nucleus of only six officers, has established a reputation as an outstanding "NCO-Run" organization. It is routine for a squadron NCO to find himself the "commander" of several personnel, vehicles, and meteorological equipment at remote locations. The consistently superb support these NCO-led elements have provided has done much to improve the prestige of the Air Force NCO.

# RB-57F flies high in corn blight study

USAF Photos by Lt. Col. William H. Quelch Jr.

Story by Capt. John E. Cranfill



MAJOR EDWIN HULL squirms his way into the tight-fitting pressure suit with the assistance of Sgt. Jesse Harris, life support technician.

SCOTT AFB, Ill.—One of the most important cultivated crops in American history is under attack. Last summer about 15 per cent of the nation's hybrid corn crop was infected with corn blight. This summer, efforts are underway to prevent a repeat story and Air Weather Service is involved.

Known as the 1971 Corn Blight Watch Experiment, the project is not designed to stop or slow corn blight, but to detect its presence and lay the groundwork for future plans. It includes Air Force RB-57F jet aircraft of the Air Weather Service's 58th Weather Reconnaissance Squadron, stationed at Kirtland AFB, N. M.,

operating first from Scott AFB, Ill., and later from Forbes AFB, Kan., taking color infrared photographs of blighted areas.

Also taking part in the experiment are the Department of Agriculture (USDA) and the National Aeronautics and Space Administration (NASA).

The target is Southern leaf blight, a deadly new strain of fungus that hybrid corn was bred to resist; it has already been confirmed in hundreds of corn fields over 19 states this year.

Most of the dramatic action in this project is unseen by farmers in the corn fields. It comes from the high-flying RB-57F aircraft soaring overhead at altitudes over

60,000 feet, taking photographs that cover 225 square miles in a single frame.

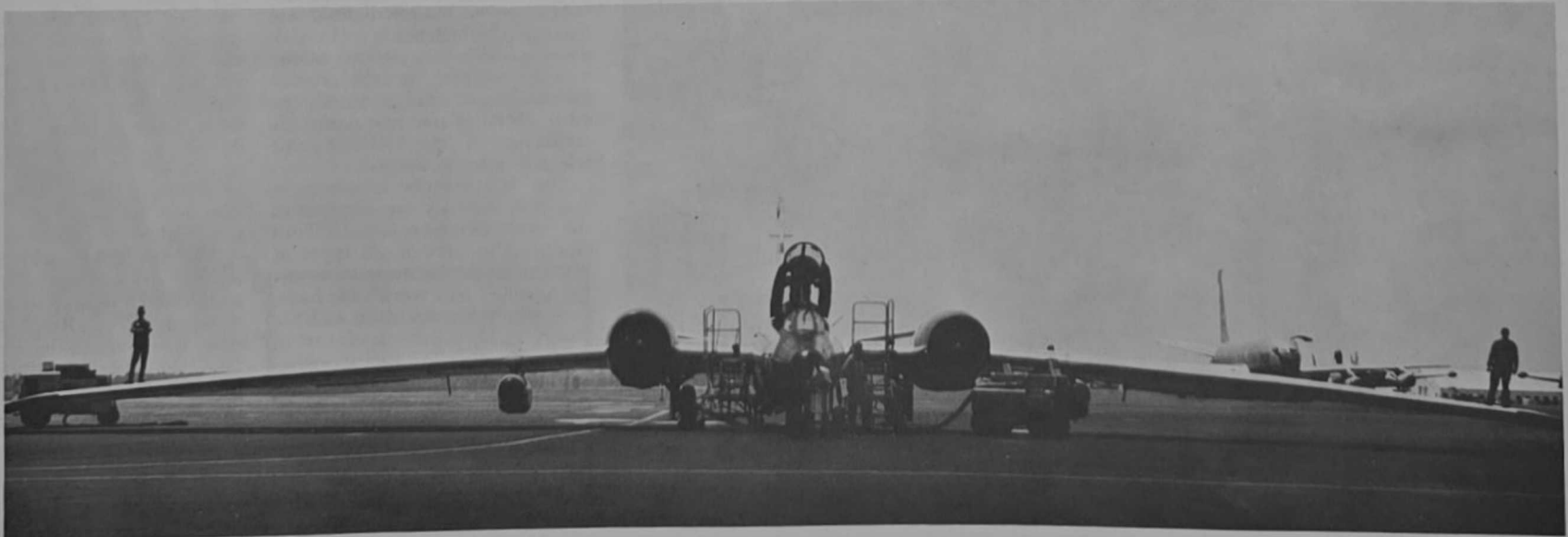
The photographs are taken across the Midwest corn belt, where major blight losses occurred last year, at 210 randomly selected sites in Illinois, Indiana, Missouri, Iowa, Ohio, Minnesota, and Nebraska. Each site is about a mile wide and eight miles long.

The objectives, stated officially by NASA, are to detect the presence and spread of corn blight, to evaluate the airborne-sensing technique as a means of assessing the levels of infection, to evaluate the ability of remote airborne-sensing, to assess the status and probable

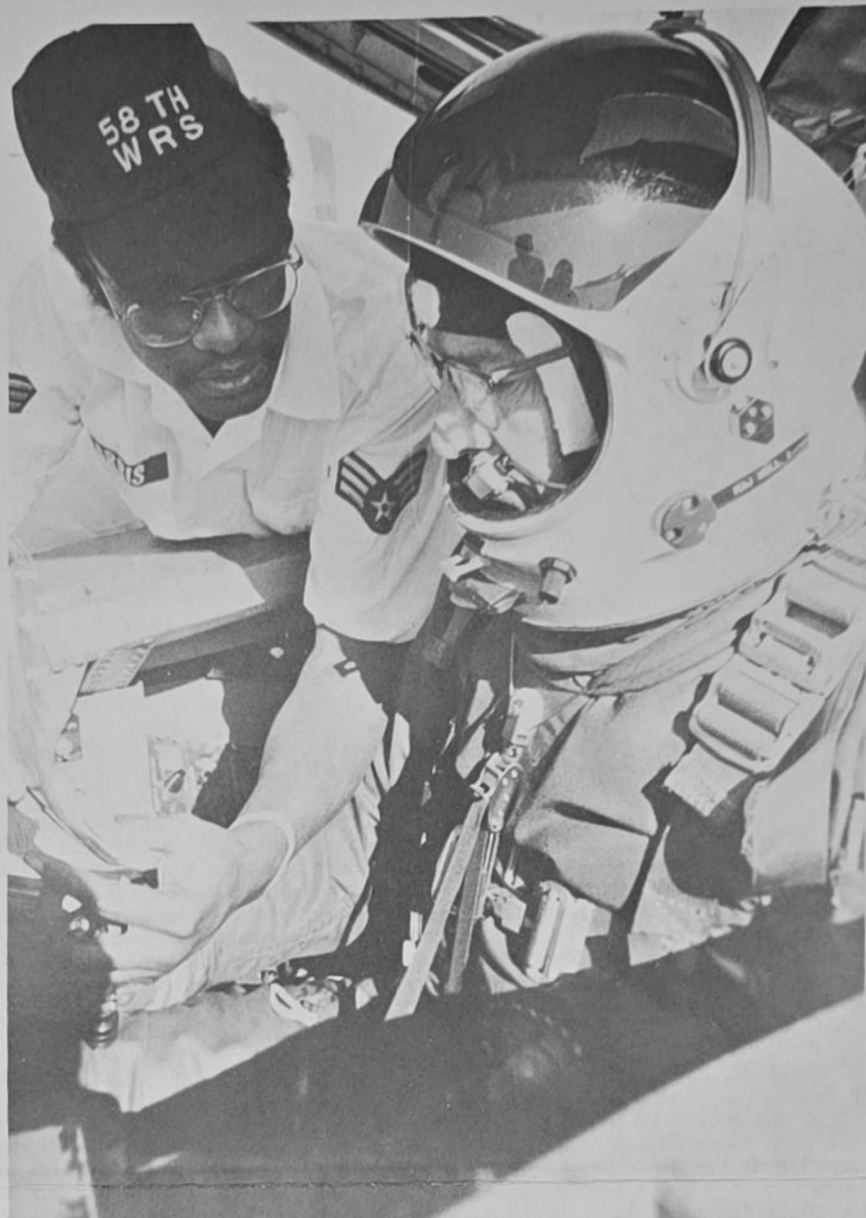
(continued on page 5)



TSGT. TED J. BELTZ checks the ear of Major William Newhart, above, as part of his preflight physical. This Valsalva will reveal if bubbles have formed in the ear from previous missions. Caused by breathing 100 per cent oxygen during the high-altitude flights, bubbles in the ear could cause infection. Below, the glider-like RB-57F has a wingspread almost twice the normal production model. Each wing was doubled to permit flying at 60,000 feet altitudes.



AIR-TIGHT PRESSURE SUITS are required to protect the pilot and navigator, below, of the RB-57F since it flies at over 60,000 feet. TSgt. George Rubin has inflated the suit of Major William Newhart at right and is listening to a regulator while checking for leaks. Assisting Major Edwin Hull, left, is Sgt. Jesse Harris.



## over midwest states

(continued from page 4)  
impact on corn production by corn blight and other diseases, and to evaluate results for possible use in future similar situations.

The project is an experiment in data gathering and cooperation among many separate agencies. This applied research in the use of high-altitude, color-infrared photography will provide NASA with experience in photographing the earth with its Earth Resources Observation System (EROS) satellites, expected to be launched in 1972 and 1973.

Farms producing corn in each selected area are being surveyed bi-weekly, June 14 through September 20, to determine previous cropping history, acreage planted, varieties of seed corn planted, density of plant population, and general cultural practices being applied.

The photographs provide the best combination of ground coverage and altitude, yet give scientists the necessary interpretation accuracy required. With ideal weather conditions, only five flights lasting six hours are required each two weeks to cover the entire 45,000 square miles within the seven-state area.

The color infrared photographs show the presence of live vegetation in contrast to the earth. These photographs, along with ground-study data, are sent for analysis to a special photo-interpretation team stationed during the watch at Purdue University and the University of Michigan. Dark red areas mean healthy

vegetation while blighted areas show as a special shade of green.

Areas are picked by Ronald Blilie or Robin Rowley, NASA mission managers for the flights. They coordinate the efforts of 25 men to keep the project working seven days a week.

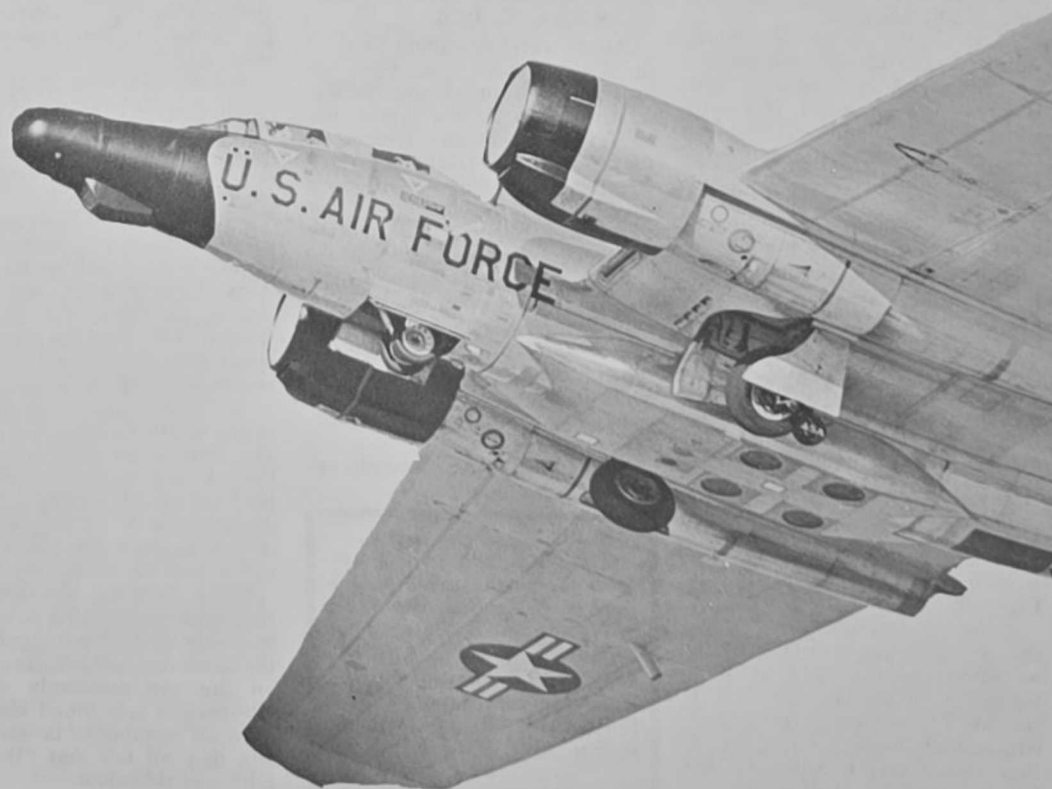
NASA considers the RB-57F the best platform available for gathering data in this experiment. Powered by two highly modified engines, the aircraft has the profile of a glider with unusually long wings—twice their normal length. This provides the extra lift to soar at under 500 miles per hour, necessary for accurate photography.

Operating from high altitudes, the crew must wear special pressurized suits, similar to those now used in space missions. The pilot and navigator go through a lengthy pre-mission suiting procedure to assure their safety and are assisted by life support technicians.

They eat a carefully planned and controlled breakfast of high-protein, low bulk food, usually steak and eggs. A complete physical is given the crew before and after each mission.

Since nothing of this nature and scope has been attempted in agriculture, no formal statistical conclusions will be drawn or forecasts made on the presence, rate of spread, or ultimate effect on total corn production during the study. Information obtained from the experiment will be made available through the Department of Agriculture's Corn Blight Information Center.

MAJOR EDWIN HULL, NAVIGATOR, above undergoes a back-seat check of suit connections, vent hoses, parachute and other equipment. Sgt. Jesse Harris, life support technician, reads the checklist. Below, a RB-57F takes off from Forbes AFB, Kansas on a photographic mission. The NASA camera pallet with four camera holes can be seen between the two aircraft wheels.





THE TAC FORECAST CENTER at Langley AFB, Va., appears to be an attractive place to work. Helping ease the strain of the summer sun

on your eyes are WAF observers, Sgt. Marlene Marshall, AICs Theresa Bluff, Laura Wuest, Judith Hammitt and Georgie Brannon.

(U.S. Air Force Photo)

## WAF have large families, twins

by Capt. Alan P. Beck  
Hq. 5 WWg.

LANGLEY AFB, VA — Women weather observers either have twin sisters or come from large families. At least that's the case at the Tactical Air Command (TAC) Forecast Center. The five WAF observers, Sgt. Marlene J. Marshall, AIC Theresa M. Bluff, AIC Laura A. Wuest, AIC Judith Anne Hammitt, and AIC Georgie B. Brannon, are the first airmen to hold this unusual position at the TAC Forecast Center, which is Detachment 2 of the 5th Weather Wing.

They are all graduates of the 16 week weather school at Chanute AFB, Ill., where they trained in meteorology, surface observing, map plotting and use of weather equipment and communications.

The TAC Forecast Center gained its first female weather observer when Sgt. Marlene Marshall joined Det. 2 on Aug. 30, 1970. She grew up with 12 brothers and sisters in Aliquippa, Pa. After three and a half years at Slippery Rock State Teachers College, she entered the Air Force. Upon completion of weather school her first assignment was as an observer at Selfridge AFB, Mich.

Marlene is active in most sports, particularly swimming. She loves modern painting and is a real jazz enthusiast. Her twin sister, Sharlene, works for an insurance firm in Hartford, Conn. Marlene herself plans to finish work for a degree in health education and eventually teach at the junior high school level.

Right now she is continuing the family military pattern, as two of her brothers were in the Marine Corps, and another was in the Army. Her job at the Forecast Center involves providing weather support to exercises. Marlene is hoping for an assignment to Okinawa or Vietnam as the Far East has always fascinated her.

AIC Theresa M. Bluff, joined Det. 2, 5th WWg., Sept. 30, 1970, after graduating as one of two women in the class of 35 at Chanute.

Prior to entering the service she was a dental assistant. With a two-year background at Emmanuel College, Ga. she joined the Air Force for the travel and educational opportunities. Her first choice was weather as she felt it would be challenging.

At Det. 2 she prepares charts and slides for weather briefings to the TAC commander and his staff. There are four of these a day, covering the world except for Russia and parts of Africa. She also keeps track of the incoming weather data and plots 500 millibar analysis charts.

Theresa, who hails from Richmond, Va., has four sisters and one brother. She is hoping for an assignment to Europe.

Theresa plans to get a degree in education and has her sights set on a civil service career. She is married to 1st Lt. Ronald W. Bluff, a forecaster at Det. 2.

AIC Laura A. Wuest, like Sergeant Marshall, also has a twin, Phyllis, who is currently enrolled at the University of Mississippi. She has four brothers and sisters as well.

After graduating from Ritenour High School in St. Louis, Mo., Airman Wuest decided to see the world and felt joining the Air Force would be the best way. She would like to serve in Germany or England.

Laura was one of six women in a class of 27 at Chanute weather school. Upon graduation she came directly to Det. 2, arriving Nov. 30, 1970.

After spending some time at the TAC Forecast Center providing exercise support and posting weather data, Laura joined the base weather station. Her work there entails taking surface weather observations. Off duty she reads a lot of modern fiction and poetry. She also writes poetry and really digs Rod McKuen.

Later this year Laura will take courses at the College of William and Mary. She will major in education and minor in English. When asked what she gained while in the service, she quickly summed it up in one word, "tolerance."

AIC Judith Anne Hammitt, ar-

The Observer regretfully reports the deaths of MSgt. William D. Falkenthal, Det. 1, 4th WWg, Ent AFB, Colo.; TSgt. William C. Bowman, AFGWC, Offutt AFB, Neb.; and Lt. Col. Murray Jones (Ret.), Springfield, Ill., last assigned to Hq. AWS IG.

rived at the base weather station Dec. 18, 1970, after completing her weather training at Chanute, where in a class of four women she was one of two graduates.

Weather was her first choice and she claims to love her work at the Langley base weather station. Her job is the same as Laura's. When not taking weather observations, they plot charts in support of air operations.

Before entering the military service, Judith worked as a nurses' aid helping alcoholics at a hospital in Freeport, N. Y. Like the other girls she comes from a large family, with four brothers, three of whom served in the military.

Judith has many interests ranging from history to practically all sports. Now she is avidly reading religious history and has just finished consuming everything available on the Roman and Byzantine eras.

She has many trophies won in gymnastics, softball, volleyball, field hockey, basketball, and tennis. She will be playing for WAF teams at Langley in many of these sports. Her other interests include listening to hard rock and writing poetry. She uses free verse and has had a number of her poems published in school magazines.

Judith, who has a "sense of accomplishment" in her job, married Sgt. John G. Hammitt, himself a weather observer, on March 6, 1971. They work together at the base weather station.

AIC Georgie B. Brannon, joined the detachment in April, following a short tour at Barksdale AFB, La. Although her father was in the Navy for 33 years, Georgie felt that the Air Force could provide her with a more interesting and challenging job.

She is working as an observer at the weather station and taking art courses in her free time. Georgie also reads a lot and enjoys hiking. Her family lives in Appomattox County, Va. When she leaves the military service she will pursue an art career.

While Marlene, Theresa, Laura, Judith and Georgie have much in common and are performing the same unusual job, their views on life are amazingly diverse. However, it was found that they were all unanimous in one opinion, they all felt that "Womens' Lib" was ridiculous.

## "Business as usual," tide suddenly changes

by SMSgt. David I. Heisey  
11th Weather Squadron

GALENA AFS, Alaska — For the weather observer it was "business as usual" on the May 22 midnight shift at Galena AFS, Alaska. The 3 a.m. hourly observation was transmitted in the same manner as it is transmitted on any other night.

But for Sgt. Ronald Williams, weather observer, time was running short and by 3:30 a.m., "business as usual" had changed into an emergency.

Fifteen miles from the Yukon River from Galena, an ice-jam of incredible proportions had built up at Jimmy Slough causing the river to back-up for 65 miles upstream. The native village of Galena as completely inundated by the flood of ice and water.

At Galena AFS, a remote fighter recovery base, the waters of the raging river rose to within three feet of the top of the sand-bag dike which had been built to protect the base. At 3:30 a.m. the word came for Sergeant Williams and all the men of the site to hurriedly assemble and begin evacuation preparations, as failure of any portion of the dike would have been disastrous.

The weather team, (Sgts. Ronald Williams, Herbert Jenkins, William Welsh, Roger Meyers and Gary Trantor), dismantled the weather equipment and stored it in the higher portion of the base supply complex.

The valuable equipment protected, Sgts. Williams and Meyer, weather equipment technicians, were airlifted by helicopter to Campion AFS. On this mountain top, they immediately set up a weather observing function and operated throughout the crisis. The remaining personnel were airlifted to Eielson AFB until the danger was over.

Returning to Galena AFS on May 24, Sgts. Williams and Meyers began operation from the permanent facility. On the 25th the weathermen who had gone to Eielson AFB returned, installed the equipment and resumed a normal 24-hour weather operation.

In the immortal words of a bygone country and western musical recording star, "If the good Lord is willing and the creek don't rise . . ." it will be business as usual for our weathermen at this remote site in our northern most state of Alaska.

## NCO grads

NORTON AFB, Calif. — Air Weather Service had 12 graduates in the 120th class of the NCO MAC Academy recently. MSgt. Larry D. Scoggins, 54th WRSq., and TSgt. Gary L. Price, Det. 15, 24th WSq., were in the top ten per cent of the 131 graduates.

Brig. Gen. Oliver Lewis, MAC deputy chief of staff for personnel, was guest speaker and presented graduation certificates. This class brought the academy alumni to 14,644.

Other AWS graduates were MSgt. Carol G. Brockman, 20th WSq.; MSgt. Jerry G. Ezell, Det. 35, 7th WWg.; TSgt. Kenneth R. Lane, OL B, Det. 3, 4th WWg.; TSgt. Dan D. Moffitt, 55th WRSq.; TSgt. Robert L. Priddy, Det. 7, 26th WSq.; TSgt. Perry A. Raleigh, Det. 39, 25th WSq.; TSgt. Thomas G. Schmidt, Sr., AFGWC; TSgt. Charles W. Spears, Det. 75, 5th WWg.; TSgt. William M. Turner Jr., Det. 36, 25th WSq.; and SSgt. Jurgen Verhunc, Det. 4, 7th WSq.

## CMSgt. of AFGWC

CMSgt

EVERETT L. MASTERMAN

AIR FORCE GLOBAL WEA CENTRAL  
OFFUTT AFB, NEB.

HOME TOWN, WILTON, MAINE.

AN 18 YEAR VETERAN HIS ENTIRE SERVICE HAS BEEN ASSOCIATED WITH WEATHER AMONG OTHER DUTIES HE IS CHIEF OBSERVER, AUTOMATION SECTION, AFGWC.

COMPLETED BA IN ENGLISH FROM THE U OF MARYLAND IN 1970 PRESENTLY WORKING TOWARDS A MASTER'S DEGREE IN GUIDANCE & COUNSELLING.

NCO ACADEMY GRADUATE 1962

INTERESTS IN ALL ATHLETICS AS COACH AND PLAYER. AVID SOFTBALLER, GOLFER, BOWLER AND JOGGER

MANAGED ABOUT 15 LITTLE LEAGUE TEAMS DURING CAREER.

MARRIED TO THE FORMER JUNE SMITH ALSO OF WILTON. THEY HAVE TWO CHILDREN MARK AND MICHELLE.

# Awards and decorations

## Legion of Merit

Col. Harvey T. Jacolick, 1st WWg.  
Lt. Col. Loren L. Lorenzen, 1st WWg.

**Distinguished Flying Cross**  
Lt. Col. Robert J. Barnhill, Hq. AWS.

## Bronze Star

Capt. James M. Connelley, 1st WGp.  
Capt. Thomas K. Klein, 1st WGp.  
Capt. Francis E. Lomax, 1st WGp.  
TSgt. Charles R. Nabors, 1st WGp.  
SSgt. John E. Steffen, 1st WGp.

## Air Medal

Lt. Col. Robert J. Barnhill, (1st thru 6th oak leaf clusters), Hq. AWS.

## Meritorious Service Medal

Col. Isaac S. Israel, 21st WSq.  
Maj. James W. Hall, (1st oak leaf cluster), Hq. AWS.

## Air Force

### Commendation Medal

Lt. Col. Lawrence S. Hansrotte, 4th WWg.

Lt. Col. Donald B. Miller, (1st oak leaf cluster), ETAC.

Lt. Col. John F. Morrissette, Det. 12, 4th WWg.

Maj. Robert S. Bissett, (2nd oak leaf cluster), 54th WRSq.

Maj. Henry P. Brauner, 55th WRSq.  
Maj. Robert J. Brun, (1st oak leaf cluster), 54th WRSq.

Maj. Clarence M. Duff, 1st WWg.  
Maj. Lewis A. Elam, (1st oak leaf cluster), 9th WRWg.

Maj. Martin Groark, (1st oak leaf cluster), Det. 8, 20th WSq.

Maj. Harold L. Hoffman, (1st oak leaf cluster), 58th WRSq.

Maj. Montie R. Keller, (1st oak leaf cluster), Hq. AWS.

Maj. Joseph M. Kovac, Jr., Det. 27, 4th WWg.

Maj. Norman F. Rauscher, (2nd oak leaf cluster), Det. 12, 9th WSq.

Maj. Frederick A. Scheeren, (1st oak leaf cluster), 7th WWg.

Capt. James S. Aneff, Jr., (1st oak leaf cluster), 1st WWg.

Capt. Harry L. Brano, Det. 11, 20th WSq.

Capt. James A. Christopherson, AFGWC.

Capt. John E. Cranfill, 1st WWg.

Capt. Paul W. Farley, Det. 43, 7th WWg.

Capt. Michael J. Fox, 9th WWg.

Capt. Kenneth W. Gates, 54th WRSq.

Capt. Rodney E. Hanna, 4th WWg.

Capt. Roy E. Harriman, Det. 11, 31st WSq.

Capt. Douglas J. Hastedt, Det. 1, 4th WWg.

Capt. Ralph W. Kelly, Hq. AWS.

Capt. Marvin A. Lillie, 53rd WRSq.

Capt. Harry G. Martin, Det. 5, 24th WSq.

Capt. William G. Meyerchak, Hq. AWS.

Capt. Michael S. McRae, 56th WRSq.

Capt. David D. Ratcliff, AFGWC.

Capt. Robert R. Vocelka, Det. 36, 3rd WSq.

1st Lt. Thomas G. Egelston, OL-K, 11th WSq.

1st Lt. Edward D. Lambert, 68th Bomb Wing.

1st Lt. Kenneth Y. Nozaki, Det. 5, 4th WWg.

1st Lt. Edward D. Priselac, Det. 9, 30th WSq.

CWO. Dennis D. Thrasher, (1st oak leaf cluster), Det. 14, 4th WWg.

CMSgt. John A. Faison, (2nd oak leaf cluster), Det. 31, 6th WWg.

CMSgt. Donald J. Martin, (2nd oak leaf cluster), Det. 8, 20th WSq.

CMSgt. Kenneth S. Wangeline, (2nd oak leaf cluster), 56th WRSq.

SMSgt. Ashby T. Hillyard, Hq. AWS.

SMSgt. Herbert K. Joseph, (2nd oak leaf cluster), 1st WWg.

SMSgt. Morris Krich, 15th WSq.

SMSgt. Leslie A. Wright, (1st oak leaf cluster), 9th WRWg.

MSgt. Concepcion V. Armenta, Det. 31, 25th WSq.

MSgt. Olin F. Bryant, Det. 3, 15th WSq.

MSgt. Walter S. Kuster, Jr., (1st oak leaf cluster), Det. 1, 4th WWg.

MSgt. Joseph A. Lake, Det. 8, 20th WSq.

MSgt. John R. Lippincott, (1st oak leaf cluster), Det. 8, 17th WSq.

MSgt. Albert S. Peterson, OL-V, Det. 6, Hq. AWS.

MSgt. Stuart H. Peterson, (1st oak leaf cluster), AFGWC.

MSgt. Freeman W. Stickney, SAC.

MSgt. Ivan G. Waddle, 54th WRSq.

TSgt. Donald C. Anderson, Det. 1, 4th WWg.

TSgt. Phillip A. Berglund, Det. 3, 28th WSq.

TSgt. Raymond L. Boudreaux, (1st oak leaf cluster), Det. 31, 6th WWg.

TSgt. Emil T. Brandvold, Det. 31, 6th WWg.

TSgt. John W. Calhoun, 54th WRSq.

TSgt. Douglas H. Ealy, (1st oak leaf cluster), 55th WRSq.

TSgt. Carlos G. Gonzalez-Vasquez, 53rd WRSq.

TSgt. Peter A. Guba, Det. 15, 28th WSq.

TSgt. James R. Griffith, Det. 31, 6th WWg.

TSgt. Robert M. Hocter, (1st oak leaf cluster), Det. 23, 1st WWg.

TSgt. William P. Maddox, Jr., (1st oak leaf cluster), 432nd CSGp.

TSgt. Kenneth T. Malo, 56th WRSq.

TSgt. Carl L. Martin, Det. 6, 5th WSq.

TSgt. Arthur W. Marquette III, Det. 11, 20th WSq.

TSgt. Frank W. Ross, 5th WWg.

TSgt. Gary A. Snyder, 6th WSq. Mobile.

TSgt. James S. Suelter, (1st oak leaf cluster), 9th WRWg.

TSgt. James D. West, Det. 14, 1st WGp.

TSgt. Donald L. Youngman, (1st oak leaf cluster), 58th WRSq.

SSgt. Lawrence W. Davis, Det. 15, 20th WSq.

SSgt. Edward L. Finley, Det. 31, 6th WWg.

SSgt. Richard E. Glass, 20th WSq.

SSgt. Lester C. Grout, Det. 14, 1st WGp.

SSgt. Carl R. Harrer, Jr., 56th WRSq.

SSgt. Clifford C. Jones, (1st oak leaf cluster), Det. 28, 26th WSq.

SSgt. Norman W. Kiracofe, Det. 15, 10th WSq.

SSgt. George E. Lorton, Jr., Det. 1, 9th WRSq.

SSgt. Timothy J. Lowe, Det. 22, 30th WSq.

SSgt. Carl E. Martin, Det. 14, 1st WGp.

SSgt. Joel W. McCullough, (1st oak leaf cluster), Hq. AWS.

SSgt. Robert Miller, 1st WGp.

SSgt. John E. Moss, Det. 14, 1st WGp.

SSgt. William C. Nelson, (1st oak leaf cluster), Det. 31, 6th WWg.

SSgt. Anthony E. Paulenis, Det. 31, 6th WWg.

SSgt. William D. Peterson, Det. 25, 10th WSq.

SSgt. Jose A. Ramos-Pagan, (1st oak leaf cluster), 3rd WWg.

SSgt. Esteban Rivera, 3rd WWg.

SSgt. Charles L. Scott, Det. 14, 1st WGp.

SSgt. Lawrence Shaeda, 56th WRSq.

SSgt. Michael Silverman, Det. 10, 5th WWg.

SSgt. Robert L. Spivey, OL-E, 5th WSq.

SSgt. Ronald C. Spong, Det. 31, 5th WSq.

SSgt. Larry D. Synder, (1st oak leaf cluster), 1st WWg.

SSgt. Ernest D. Teele, Det. 11, 5th WSq.

SSgt. Lee A. Tracy, Det. 37, 5th WSq.

SSgt. Herman V. Triplett, (1st oak leaf cluster), 1st WSq.

SSgt. Melvin H. Whaley, (1st oak leaf cluster), Det. 31, 6th WWg.

SSgt. Joseph C. Wray, III, Det. 23, 30th WSq.

Sgt. Lee H. Batsel, Jr., Det. 32, 5th WSq.

Sgt. Ronald Barnes, 1st WGp.

Sgt. Gary D. Beaver, 54th WRSq.

Sgt. Richard T. Coleman, Det. 31, 6th WWg.

Sgt. James P. Cortese, 1980th Communications Sq.

Sgt. John E. Crider, Det. 32, 5th WSq.

Sgt. John Coffey, Det. 17, 10th WSq.

Sgt. Robert T. Crum, Det. 18, 30th WSq.

Sgt. Arthur J. DeCarufel, III, Det. 32, 5th WSq.

Sgt. Raymond DesMarais, Det. 20, 24th WSq.

Sgt. Thomas V. Duerfahrd, (1st oak leaf cluster), AFGWC.

Sgt. Ronald S. Earle, Det. 14, 1st WGp.

Sgt. Thomas D. Eli, Det. 30, 10th WSq.

Sgt. Barre A. Ellsworth, Det. 32, 5th WSq.

Sgt. Robert W. Floyd, 56th WRSq.

Sgt. Roberto Gonzalez, Det. 18, 30th WSq.

Sgt. James H. Grue, 1st WGp.

Sgt. Peter S. Luckham, Det. 32, 5th WSq.

Sgt. Troy R. Luster, 10th WSq.

Sgt. Harry T. McBeath, Det. 32, 5th WSq.

Sgt. Joseph R. McInnis, Det. 30, 10th WSq.

Sgt. Harry K. Morris, 7th WWg.

Sgt. Lynn D. Pendred, OL-6, 5th WSq.

Sgt. Donald D. Nissen, (1st oak leaf cluster), 6th WSq.

Sgt. Ronnie C. Sames, Det. 22, 30th WSq.

Sgt. Joseph E. Serra, Det. 48, 4th WWg.

Sgt. Jerry Sheldon, Det. 31, 5th WSq.

Sgt. Robert M. Tibi, AFGWC.

Sgt. Ralph T. Wilson, Jr., Det. 32, 5th WSq.

Sgt. Eugene W. White, Det. 31, 5th WSq.

Sgt. Chelcie R. Williams, II, Det. 36, 5th WSq.

Sgt. Merlin W. K. Wilson, Det. 31, 5th WSq.

Sgt. Wayne W. Winder, (1st oak leaf cluster), 9th WWg.

Sgt. David E. Worden, OL-6, 5th WSq.

AIC Robert L. Dees, Det. 14, 1st WGp.

AIC Michael G. Richardson, 5th WSq.

## RVN Airman's Honor Class Medal

MSgt. Leslie F. Farkas, Det. 17, 20th WSq.



LOADING A PROGRAM TAPE is Capt. John W. Pavone, 55th Weather Reconnaissance Squadron aerial recon weather officer, who was recently named to receive the 1970 Yates Award.

(U.S. Air Force Photo)

## 55th WRSq officer receive Yates award

McCLELLAN AFB, Calif.—Capt. John W. Pavone, aerial reconnaissance weather officer with the 55th Weather Reconnaissance Squadron (WRSq), was recently honored with the 1970 Yates Award.

The award, covering the period from Jan. 1 through Dec. 31, 1970 cites Captain Pavone for establishing an outstanding record of excellence in the performance of reconnaissance flights on weather and air sampling operations.

The Tyrone, Pa., captain has a bachelors degree in meteorology and a masters degree in mathematics aiding him greatly in his

work with the AMQ-25 meteorological data processing system.

Captain Pavone flew 107 missions in 1970 for a total of 942 hours with the highest error-free rate in the 55th WRSq. He was selected for the squadron's Standardization / Evaluation Board, making him one of the youngest and most junior officers to hold such a position in the Military Airlift Command.

The Yates Award winner's off-base activities are as active as his military duties. His work with local Boy Scouts brought praise from scout officials on his coordination for military inputs to the merit badge program.

## Births in AWS

SCHWITTERS, Capt. and Mrs. Michael T., a daughter, Patricia Wynn. Father assigned to USAF Academy faculty, Colo.

ZALEWSKI, AIC and Mrs. Daniel M., a son, Daniel. Father assigned to Det. 13, 16th WSq., Fort Eustis, Va.

SAELZLER, Capt. and Mrs. Steven G., a daughter, Nicole Ann. Father assigned to Det. 14, 31st WSq., Hahn AB, Germany.

OLIVIER, Capt. and Mrs. Michael G., a daughter, Amy Caroline. Father assigned to Det. 23, 1st WGp., Phu Cat AB, RVN.

KANDLER, 1st Lt. and Mrs. Raymond A., a daughter, Karyn Lea. Father assigned to Det. 34, 26th WSq., Dyess AFB, Tex.

BRYSON, 2nd Lt. and Mrs. Joseph F., a son, Michael Joseph. Father assigned to Det. 4, 4th WWg., McChord AFB, Wash.

CONNERS, Amn. and Mrs. Lucian G., a son, Craig Ryan. Father assigned to OL-A, Det. 16, 16th WSq., Ft. Leonard Wood, Mo.

ALEXANDER, Capt. and Mrs. Michael S., a son, Bradley Allen. Father assigned to OL-B, 1st WWg., Taipei AS, Taiwan.

BROTHERS, Sgt. and Mrs.

William A., a daughter, Vicki Lynn. Father assigned to Det. 13, 16th WSq., Ft. Eustis, Va.

MC DANIEL, TSgt. and Mrs. Robert L., twin sons, Chad Allen and Brad Colin. Father assigned to Det. 2, 11th WSq., Eielson AFB, Alaska.

KAVINOKY, Capt. and Mrs. Larry R., a daughter, Seanna Nicole. Father assigned to Det. 11, 4th WWg., Luke AFB, Ariz.

PIDGEON, SSgt. and Mrs. Glenn G., a daughter, Kim Marie. Father assigned to Det. 7, 26th WSq., Plattsburgh AFB, N. Y.

RAMSEY, Sgt. and Mrs. James M., a son, James Michael Jr. Father assigned to Det. 17, 20th WSq., Yokota AB, Japan.

SHANLEY, SSgt. and Mrs. Patrick J., a son, Tyrus John. Father assigned to Det. 27, 4th WWg., Hancock Fld, Syracuse, N. Y.

SANDERS, Capt. and Mrs. Fred R. Jr., a son, Clayton Dec. Father assigned to Det. 2, 11th WSq., Eielson AFB, Alaska.

KAYS, 1st Lt. and Mrs. David F., a son, Roland Wesley. Father assigned to Det. 8, 17th WSq., McClellan AFB, Calif.



Capt. Cipriano

TAN SON NHUT AB, RVN—Capt. John P. Cipriano, a weather forecaster with the 1st Weather Group received the Republic of Vietnam Armed Forces Honor Medal First Class, from Maj. Gen. Tram Van Minh, Commander of Vietnam Air Force (VNAF) at an awards ceremony held at the RVN's largest Air Base.

Captain Cipriano acted as weather forecaster advisor to the recently created VNAF Air Weather Service.



TAKING A TASTEFUL LOOK, Capt. James S. Aneff Jr., right, discusses one of the 13 paintings by contemporary Filipino artists that he loaned to the Philippine Consul-General for a recent "Philip-

pine Week" exhibition in Honolulu, Hawaii with Regino O. Austria, senior assistant to the Consul-General.

(U.S. Air Force Photo)

## Hawaii captain collects, shows art

HICKAM AFB, Hawaii — The chief of administration for 1st Weather Wing is a well-travelled young man. And in those travels Captain James S. Aneff Jr. has become a fancier and collector of international arts and crafts.

Such is the depth of the Abilene, Texas, native's collection that he recently loaned 13 of his 17 paintings by prominent contemporary Filipino artists to the Philippine Consul-General for a recent Philippine Week art exhibition at Honolulu's giant Ala Moana shopping center.

Included in the collection are works by Alfredo Buenaventura, Zablan, Paco Gorospe and, Aneff's favorite, Cesar Buenaventura. The paintings were all purchased in a small gallery in Angelus City, near Clark Air Base in the Philippines.

"In my wanderings in the Far East," Aneff explains, "I happened to run into a lieutenant in one of our weather units stationed at Clark who took me to this gallery. Very few people visited it then. I read about the artists and looked at some of the paintings and ended up buying several."

Aneff became interested in art before he joined the Air Force, when he worked for an international exchange student organization called Youth For Understanding, Incorporated, one of only a few such organizations in the U.S. which is recognized by the Department of State. He travelled extensively in South America, Africa and Europe, first while working summers as a student at the University of Michigan and then full-time after graduation.

"My real interest in art began

when I was in Rio de Janeiro," Aneff recalls. "The chairman of the Brazilian exchange committee was one of Brazil's leading artists. When I left he gave me a painting, and several other people gave me paintings, as well. That got me started."

Aneff was one of Youth for Understanding's first exchange students to South America in 1960. He spent a summer traveling in Colombia, Peru, Chile, Argentina, Uruguay and Brazil. There he used his fluency in Spanish gained in high school and in close association with Mexican-Americans in his southwest Texas hometown. But it was not until he finished college and started working full-time that he took an interest in arts and handicrafts.

Now the captain has become not only a collector but also a supporter of the "rebirth" of local arts and crafts. For anyone interested in local art objects, Aneff recommended getting off the beaten path in foreign lands.

"People who live in or visit the Far East should take advantage of their opportunities," he said firmly, "and go up into the mountains and other areas where local artisans abound."

"In Taiwan, for instance, there are some monasteries where, I learned, they make beautiful woodcarvings, things you cannot readily buy in the tourist markets. In every country, if you get away from the tourist shops you can usually find things that cannot be purchased elsewhere for any amount of money."

After his separation from the Air Force this month, Aneff will return to the University of Michigan for graduate study toward a master's degree in community organization and development. Then he will return to the exchange program and work to send Latin American teenagers to the United States and their American counterparts to our neighbor countries to the south.



GARY W. BURCHILL, 14, is pinned with the Eagle Scout badge by his mother during a court of honor held by Scott AFB, Ill., Boy Scout Troop 5. Gary is the son of MSgt. and Mrs. Amon E. Burchill of 5108 Gunn, Scott AFB. MSgt. Burchill is with the information office, Hq. AWS. (U.S. Air Force Photo)

## SPORTS

### FRONT



#### Bowling Along

Detachment 34, 3rd Weather Squadron took first place in the 16-team Lockbourne Intermural Bowling League. The team compiled a 79-49 record during the season. Team members include SMSgt. Roy Wicinski, Lt. Dom Ruggeri, TSgt. Larry Swaney, TSgt. Jim Booker, Sgt. Jim Halon, Sgt. Ron Matola, and Sgt. Bob Rauch. In addition to being tops in the league, the group managed to take high team game with a five-man total of 1034 and also a steak dinner from the commander, Lt. Col. Merwin Richards.

Detachment 12, 4th Weather Wing's bowling team received a trophy for third place in the recent Otis AFB tournament. Team members were MSgt. Schmitz, TSgt. Weaver, TSgt. Rockwell, SSgt. Pigors, SSgt. Krupinski, Sgt. Faloretti, Sgt. Mignogno and A1C Riley. In addition, Sgt. Mignogno bowled the high scratch single game with a 263 and SSgt. Krupinski bowled the high series handicap with a 663.

SMSgt. Robert B. Ruiz, Detachment 21, 6th Weather Wing, Edwards AFB, Calif. recently bowled a 603 series the hard way—triplicate 201 games.

#### Tennis

Congratulations to A1C Dennis E. Garrett, Detachment 3, 3rd Weather Squadron, who has been selected to play first singles representing Myrtle Beach AFB at the 9th Air Force tennis tournament.

#### Fishing

The fish were biting well when members of the 16th Weather Squadron, Fort Monroe, Virginia, attended a fishing party aboard the post Special Services boat, Sea Belle, recently. Squadron personnel fishing were: Lt. Col. Peter N. Micale, TSgt. Marion D. Jones, TSgt. Richard R. Howard, SSgt. Edgar E. Burke, SSgt. Jerry K. Patterson, and SSgt. Bill James, 4500th Services Squadron. In addition to a catch of 54 bluefish, the fishermen enjoyed a day of beautiful weather on Chesapeake Bay.

## Well-rounded dependent makes name in basketball

HICKAM AFB, Hawaii — Jay Lorenzen is an Air Force dependent who is almost as well-rounded as the basketball he handles so well.

The son of Lt. Col. Loren L. Lorenzen of Hq. 1st Weather Wing, Jay was a star basketball player with Honolulu's Radford High School team. Playing forward and guard, he was named the most valuable player of the Oahu Interscholastic Association West division by Honolulu's largest newspapers, the "Advertiser" and "Star-Bulletin."

Hitting the books as well as he hits the basket, the recent June graduate finished seventh in a class of 564 with a 3.73 average out of a possible 4.0. He applied for and won a four-year Air Force ROTC scholarship to Auburn University in Alabama.

Putting studies and basketball together so well, Jay was named Radford's "Athletic-Scholar of the Year." The Radford coaches voted him into the school's basketball hall of fame.

With Jay's help, Radford had

### Swears in son

HICKAM AFB, Hawaii — Col. H. E. Harvey, commander of the 1st Weather Wing, kept things in the family recently when he administered the oath of commission as an Air Force second lieutenant to his son, Robert E. Harvey.

He is a graduate of the University of Missouri at Columbia with a bachelor of science degree in chemistry. Robert is scheduled to report for duty on July 5 at Baylor University in Waco, Tex., where he will attend medical school under the Air Force's doctors program.

a 21-0 regular season record and won the Hawaii high school championship. He was given honorable mention on the state tournament all-star team and again on the "Coach and Athlete" Magazine-Sunkist 1971 Senior Prep All-America squad.

Jay is captain and one of the organizers of Hawaii's first high school "huddle," or chapter, of the Fellowship of Christian Athletes, a national religious organization for amateur and professional athletes. Since its organization, the Radford huddle has grown from seven to 32 members.

At Auburn, he plans to major in mathematics or science and hopes to play basketball for the Tigers.

### Honors captain

SALT LAKE CITY, Utah — U.S. Air Force Captain Francis X. Neumann Jr., son of Mr. and Mrs. Francis X. Neumann, 25 Beech St., Floral Park, N. Y., recently was elected to membership in Chi Epsilon Pi, national honor meteorology fraternity, and Pi Mu Epsilon, national honor mathematics fraternity, at the University of Utah.

Captain Neumann, an Air Force weather officer, is a graduate student attending the university under an Air Force Institute of Technology program providing advanced education for select individuals at civilian institutions.

The captain previously served with a detachment of the 4th Weather Wing at Fort Fisher Air Force Station, N. C. He also has served a year tour of duty with expeditionary forces to the Republic of Korea.