



HURRICANE CAMILLE on the weather radar scope of Detachment 22, 24th Weather Squadron, Keesler AFB, Miss., shows the storm extending as far east as Mobile, Ala., and as far west as Bogalusa, La. At the time of this photograph the storm had extended as far northward as Waynesboro, Miss., with the southern portion of Camille still in the Gulf of Mexico. The eye of the killer lady is just southwest of Gulfport, Miss.

Weather station open throughout hurricane

Keesler AFB, Miss. — How does it feel to be calling the shots on one of the most destructive hurricanes to hit the United States mainland? Capt. James T. Holland, commander Detachment 22, 24th Weather Squadron, Keesler AFB, gave a short laugh and said, "I don't want to go through it again."

Captain Holland said, "It was a matter of keeping a close watch on it. You can't tell the exact movement it will take." This is what the Keesler weathermen did and the forewarned base survived remarkably well despite 112 knot winds that Hurricane Camille brought with her.

For over six hours Camille pounded Keesler with winds above 60 knots and dumped five to seven inches of rain. The lowest sea level pressure recorded was 28.94 inches and the

tides were 20 feet above normal. Keesler felt the full force of the mighty lady from 8 p.m., August 17 until 4 a.m., the next day.

Det. 22 remained in operation throughout the night during the height of the hurricane. The FPS-77 weather radar, GMQ-11/20 wind equipment, teletype receivers and Autovon lines remained in operation. Water and wind damaged the rotating beam ceilometer. Since the station did not have the capability to transmit on regular longline weather teletypes, regular observations were telephoned via Autovon to Maxwell AFB for transmission.

After the storm, the detachment remained on 24-hour operations as Keesler was instrumental in receiving rescue and relief facilities for the area.

(Continued on page 3)

Squadron inactivated for third time in unit's history

Hq. AWS — Another in a series of actions to realign some Air Weather Service units took place on September 18, when the 35th Weather Squadron was inactivated at Hamilton AFB, Calif.

Inactivation of the 35th is based on a Department of Defense economy move designed to save about \$95 million a year. Under the DoD plan, Aerospace Defense Command's Fourth Air Force, at Hamilton, will be inactivated.

Personnel of the 35th will be transferred to 4th Weather Wing's 12th and 29th Weather Squadrons, without actual unit movements. The 12th squadron

is based at Stewart AFB, N.Y., and the 29th at Richards-Gebaur AFB, Mo.

The 35th's inactivation will mark the third such occasion in the unit's 24-year history. Originally activated at Payne Field, Cairo, Egypt in November 1945, the unit was inactivated the first time at Wiesbaden, Germany in July 1946. Reactivated at Lowry AFB, Colo., in October 1949, the squadron was again inactivated in June 1951, without having moved. It was activated for the third time in April 1960, at McChord AFB, Wash., later moving to Hamilton AFB.

Weather Warning Center moving in with Global Weather Central

Hq. AWS—The Air Weather Service's Military Weather Warning Center (MWWC), Kansas City, Mo., will be relocated to Offutt AFB, Nebr., early next year. The scheduled move was announced by Air Force officials recently.

The MWWC, known in military weather circles as Detachment 42, 7th Weather Wing, will become a part of the Air Force Global Weather Central (AF-GWC), Offutt AFB.

The relocation will affect 39 military people and five civilians, and is taking place as a

result of the recent introduction of four advanced computers at the AFGWC.

After the relocation AWS will have the capability of providing additionally improved global weather support to all users. Evolutionary advances in weather-forecasting techniques, added to the increased computer capability, is leading to provision of equal or higher quality weather products in a more responsive manner than possible in the past.

Future products will be tailored to meet individual requirements

and amended forecasts can be issued according to criteria established by the user. AFGWC will be able to provide faster severe weather information and produce severe weather warnings eight times a day instead of every six hours.

Commanded by Lt. Col. William H. Staten, MWWC has, since its inception, forecasted severe weather of particular interest to Air Force and Army operations including thunderstorms, strong winds, tornadoes, heavy precipitation, freezing precipitation and severe dust storms.



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"I'M CONVINCED that hurricane hunting is a highly demanding business requiring great expertise under hazardous conditions," said Gen. Jack J. Catton, commander, Military Airlift Command, during award ceremonies at Scott AFB, Ill., General Catton, who was accompanied

by Maj. Gen. Russell K. Pierce Jr., AWS commander, presented two Distinguished Flying Crosses and 14 Air Medals to members of two aircrews assigned to the 53rd Weather Reconnaissance Squadron, Ramey AFB, Puerto Rico for their penetrations of Hurricane Camille.

Hurricane Hunters awarded DFCs, Air Medals for Camille penetrations

Hq. AWS — Two Air Force weather reconnaissance crews, praised by the National Hurricane Center's director for "heroic performance in obtaining vital measurements of Hurricane Camille," were decorated this month by General Jack J. Catton, commander of the Military Airlift Command.

The aircraft commanders of the two AWS W-130 crews both Captains Marvin A. Lillie and Robert Y. Foerster, both assigned to the 53rd Weather Reconnaissance Squadron, Ramey AFB, Puerto Rico. Both aircraft commanders received the Distinguished Flying Cross for "extraordinary achievement while participating in aerial flight."

Air Medals were awarded to each of the 14 members of Captain's Lillie and Foerster crews:

They were Maj. Charles T. Helton, Captains Robert L. Clark, Edmond L. Anderson, Charles J. Zuber, George E. Wadagnolo Jr., William P. Fowler and Frederick J. Foss.

Other crew members were MSgt. Wayne L. Reinier, TSgt. Russell A. Deuel and Staff Sergeants Richard J. Hall, John H. Lucas, Eugene M. Scholls and Kenneth W. VonThaden and Sgt. Robert L. Anderson, who was not present for the ceremony.

Data secured by hurricane-penetration flights by the two USAF Hurricane Hunter crews made possible warnings of Hurricane Camille's path and intensity. Without this information, said Dr. Robert H. Simpson, director of the National Hurricane Center, "the United States Weather Bureau would not have been able to warn of

a record storm and it would not have been possible to persuade so many people to evacuate to points of safety. In such an event, loss of life would undoubtedly have been much heavier."

On the final penetration flight before Camille struck the coast, Captain Lillie's crew recorded the lowest pressure ever registered by an aircraft in the Atlantic—901 millibars, equivalent to 26.61 inches of mercury. Surface winds in Camille at the time were estimated to be 208 miles per hour.

On August 16, a day earlier, Captain Foerster's aircraft had completed two consecutive penetrations of Hurricane Camille within a few hours, registering a then record low of 905 millibars of pressure and winds of 161 miles per hour.

Chief of Ops 9th WRW



COL JOHN T. MOORE
CHIEF OF OPERATIONS
9th WEA, RECON. WG.
McCLELLAN AFB, CALIF.

ENLISTED IN ARMY AIR CORPS
IN 1946 RECEIVED DIRECT
COMMISSION AS
SECOND LT. IN 1943.

HAS OVER 14,000
FLYING HOURS
IN 13 DIFFERENT
AIRCRAFT.

MADE 107 TRIPS
IN C-54 TO BERLIN
DURING AIRLIFT
IN 1948.

COMMANDER OF
1371st MAPPING &
CHARTING SQUADRON FROM 1965 TO 1968.

"WHAT KIND OF DECOYS DO
YOU CALL THOSE?"

MEMBER OF THE ORDER OF DAEDALIANS.
(NATIONAL)

NATIVE OF BIG SPRING, TEX.

MARRIED TO THE FORMER VIVIAN MARIE
ROYALS OF DALLAS. THEY HAVE TWO CHILDREN.

HOBBIES: FISHING, HUNTING, GOLF

ANG weather flights complete operation WESTACS in Utah

WENDOVER AUXILIARY FIELD, Utah - Weather personnel assigned to the 126th and 163rd Weather Flights, recently completed their summer training program in support of the Air National Guard (ANG) exercise "WESTACS" being held at Wendover Auxiliary Field, Utah.

WESTACS is an all National Guard training exercise staged during the month of August. WESTACS means, Western Tactical Air Control System, involving approximately 5,000 men from 19 states.

This month-long exercise was designed to provide realistic combat conditions and polished team work between the ANG tactical air control system and ANG tactical fighter units. The weather flights operated the WESTACS weather facility, briefed aircrew members, made forecasts and took observations in the WESTACS area of operation.

The 126th is from Milwaukee while the 163rd hails from Fort Wayne, Ind.

AWS wins five MAC billeting contest awards

Hq. AWS - The dormitory dayroom of the 9th Weather Reconnaissance Wing, McClellan AFB, Calif., has won dayroom of the year honors in the Military Airlift Command sponsored Billeting Awards Program. The award is for fiscal year 1969.

The room of Airmen First Class Bob Lynch and Frederick I. Wolfe, Hq. Sq. 9th WRW, took second place in the airman room of the year category.

AWS won three other awards as the result of the 40th Aerospace Rescue and Recovery Wing and the 31st Weather Squadron being submitted jointly. Both units share a dormitory at Ramstein AB, Germany.

SSgt. Robert T. Ford, Detachment 2, 31st Weather Squadron, Ramstein AB, took second in the NCO room of the year category while 40th ARRW/31st WS won third place in the dayroom category.

The two units also shared a second place finish in the dormitory of the year award.

The room of SSgt. Harold D. Close, Air Force Global Weather Central, Offutt AFB, Nebr., was submitted by AWS to compete at the MAC level in the NCO room of the year category.

Bronze Star

TSgt. Lloyd R. Worster, U. S. Air Force advisor to the 131st Weather Flight, Massachusetts Air National Guard, was recently awarded the Bronze Star for meritorious service as chief observer, Detachment 3 and Det. 18, 30th Weather Squadron, Vietnam, from May 5, 1968 to Mar. 5, 1969.

Command Line



We will be having a number of personnel changes this summer and many detachment commanders will be assuming this important role for the first time. I think it would be most appropriate for me to express my views on command attitude.

It is no play on words to say that command attitude is soon reflected in the attitude of the command. The first goal is to establish an atmosphere in which the unit not only can but wants to do a good job. Several steps can be taken to produce this atmosphere.

First, the commander must assume a positive attitude toward the accomplishment of his mission and must not allow his people to be any less determined. It is one thing to question a decision in private with a superior and an entirely different thing to weaken the faith of a unit in its goals by public criticism or complaining about a decision or directive in front of subordinates. From time to time, one or more units have failed to produce desired results. In several cases, it was found that a defeatist attitude had been developed throughout the unit as a result of the infectious criticism of superiors by a commander.

Secondly, unit pride must be developed through individual pride. I do not believe that unusual or harsh measures are necessary to develop the discipline we need to assure ourselves that our units will come through when the chips are down. The presence of slipshod individuals in a unit has, in the past, presaged failure of the unit to measure up to desired standards in the accomplishment of its tasks. Certainly it does not increase my confidence in the ability of its leadership to find that the tasks of presenting a smart military appearance are not carried out by the unit. The price in time and money required to do so is small and the dividends great. I expect commanders to establish the standards, provide the example, and follow through.

Thirdly, the individual must be given a sense of belonging, a feeling that his superiors are interested in him as a person. He must be given assistance in solving his personal problems without interference in his personal life. This interest in the individual must be genuine and must produce tangible results; it will soon be apparent that loyalty flows at high tide only where there is an equal exchange between the top and the bottom.

Finally, each member of the command must be as fully informed as security will permit. Only in this manner will they understand the importance of the goals they seek and bend a full measure of their effort to each task at hand. Where this has been practiced, there has been unity of effort, regardless of the magnitude of the task at hand.

PRIDE storyboard competition won by 6th Mobile Squadron

Hq. AWS-A PRIDE storyboard designed by the 6th Weather Squadron (Mobile) has been named the best in Air Weather Service competition.

Over 20 storyboards were submitted for the competition and judged by the AWS PRIDE Council. Sixth Mobile's was judged the best on the basis of its origin-

ality, artwork and conformance story contest rules.

The winning board will besent to MAC for judging and if successful there to the Air Force headquarters level.

Second and third place in the competition went to the 55th Weather Reconnaissance Squadron and 24th Weather Squadron, respectively.



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MAJ. GEN. RUSSELL K. PIERCE, JR.

Commander, Air Weather Service

CAPT. TERRENCE MAYER, Director of Information

LT. RAY A. CROCKETT, Managing Editor

SSGT. GENE GOLDSMITH, Editor

What would happen if supply sergeants wrote fairy Tales?

Hq. MAC - Once upon a time, there lived a female whose nomenclature was Hood, Red Riding, Little. She was a girl, little, happy. Her duty uniform was follows: (1) dress, red, cotton, shade 76, 1 each; (2) cape, red, w/hood, 1 each. Her AFSC was food handler.

One day Hood, Red Riding, Little, received a msg from her mother, grand, old, who lived off base in a cottage, brick, red, Capehart type, w/chimney, w/TV, initial issue.

The msg read as follows:

FM: Granny
TO: Hood

This is to advise hospital report should read: Confined to qtrs as of 1000, 15 August 69. Went on sick call, confined for indefinite period. However, feeling somewhat better. Love, relative type, mother, grand, your.

Hood sent the following reply: Ref your msg. Basic communication complied with. ETA your station approx. 1600 hrs, local, this date. Please bake cookies, ginger type, w/nuts, w/icing.

Hood then signed out in the orderly room and departed homebound hand-carrying the following items:

(a) Basket, Picnic, wicker type, w/top.

(b) Sandwich, salami, w/pickle and onion; w/mustard and mayo.

While en route to destination, pers. concerned came to forest, thick, primeval. Suddenly out of the thicket, briar, emerged a wolf, bad, big, brown, 1 each, who said, "Halt, who goes there, and what are your last four?"

Hood answered, "4032, Hood, Red Riding, Little; I am on a mission looking for the qtrs of my mother, grand."

"It is just down the road, troop, turn left at Bldg. 2355," instructed the Wolf.

"How do you have access to that info?" replied Hood.

"I am cleared for it, and have need to know," says Wolf, who then catches a bus to Granny's.

Upon arrival, Wolf, bad, big, swallows Granny in one (1) gulp. Wolf, bad, big, then polices the area, including butt cans,

and jumps into the rack (initial issue type) and pulls on Granny's 146-92s.

Hood enters.

"Hello, mother, grand."

"The fool, stupid, little, does not know that it is really me, the Wolf, bad, big," chuckles the Wolf.

"What big eyes, ears, nose and throat you have," exclaims Hood, Red Riding, Little.

"All the better to maintain maximum efficiency at minimum cost with Zero Defects," replies the Wolf.

Then . . . enter the Chopper, wood type, handsome, 1 each, and kills Wolf with one blow, performs necessary surgical procedures to remove mother, grand, from stomach of Wolf, bad, big, reflecting credit upon himself, the Woodchopper's Association and the entire Fairy Tale racket.

With allowances for quarters and rations, they all live happily ever after.

Negative as to Wolf.

Weathermen eat, sleep, work with Army troops

DAU TIENG, Republic of Vietnam—As Air Force combat weather observers working with Army units at Dau Tieng Army Airfield, Vietnam, Sergeants David Etheridge and Gary Larabee feel very close to the war.

For the past 18 months Sergeant Etheridge has been supplying weather information to Army helicopter crews and ground units in the Dau Tieng area. Sergeant Larabee has been with him nine months. They also support Air Force FACs located at the field.

Asked how he felt about working with the Army, Sergeant Larabee answered, "I think it's a great experience—but I really don't have anything to compare it with. I've never been stationed on a regular Air Force base."

Master's degree won by Captain Preston

HAHN AB, Germany—Capt. Gordon L. Preston, Detachment 14, 31st Weather Squadron, has received a master's degree in aerospace operations management from the University of Southern California.

A weather officer, Captain Preston received his degree during ceremonies at Wiesbaden AB, Germany.

First wing colonel serves as proxy father to brides

HICKAM AFB, Hawaii—Since arriving in Hawaii, Lt. Col. Glen Rumley Jr., chief of scientific services, 1st Weather Wing, has gone down the bridal path on three separate occasions.

The three young ladies who have accompanied the colonel down the bridal path are Mrs. Lois P. Horton, Mrs. Beth B. Quast and Mrs. Ann P. Hermance.

Lest there be any misunderstanding, Colonel Rumley's relationship with the three young brides began before their marriages and had the complete approval of both his wife and the base chaplains.

Colonel Rumley and his wife, Jo, serve as sponsors to an association of single young adults,

Sergeant Larabee's 44 months of service have been spent at Army installations.

The two men eat, sleep and work in their office area. Like other combat weather teams of the 5th Weather Squadron, headquartered at Long Binh, Combat Weather Team 3 at Dau Tieng is mobile. It stays with the army unit it is supporting wherever it goes.

During the day the two men make weather observations from their villa and take readings on wind speed and direction, temperature, atmospheric pressure and precipitation. They compile the data and relay it to Tan Son Nhut Weather Central for distribution to all Allied units in the Republic. They also brief Army commanders at Dau Tieng each day on the type of weather expected in the area.

The weathermen are conscious of their part in the war. "We feel we're providing the Army with an important service," said Sergeant Larabee. "And they let us know they appreciate everything we're doing for them."

Because of its helicopters and FACs, Dau Tieng is a prime target for enemy attacks. "We've learned to live with the attacks," Sergeant Etheridge added. "Being this close to the war makes our job seem vital. We know we're part of the action."

the Protestant Adult League (PAL). The three brides, all former WAF, were members of the group. When their marriages were planned, they found themselves in need of a proxy father.

Since the Rumleys are sponsors to the members of PAL, it was natural for the girls to ask Colonel Rumley to serve as "father of the bride."

With his wife sitting in the front pew and representing the "mother of the bride," Colonel Rumley has thrice escorted brides down the aisle to the altar and proudly answered the chaplain's question, "Who giveth this woman to be married to this man?" His reply: "On behalf of her parents, I do."



SURROUNDING THEIR PROXY FATHER, Lt. Col. Glen Rumley, Jr., chief of scientific services, 1st Weather Wing, Hickam AFB, Hawaii, are (left to right) Mrs. Lois P. Horton, Mrs. Beth B. Quast and Mrs. Ann P. Hermance. Colonel Rumley stood in for each of the girls' fathers at their weddings.



COORDINATING LAUNCH INFORMATION with TSgt. John C. Eliseo, launch complex safety officer, 1st Strategic Aerospace Division, is SSgt. George F. Tise II (left) and Sgt. Michael T.

Murphy (right), Detachment 30, 6th Weather Wing Rocketsonde launch team members. Sergeant Eliseo is following a checklist on a newly developed weather gathering rocket system.

Vandenberg detachment testing new "Super Loki Dart" weather rocket

VANDENBERG AFB, Calif.—In man's continuing effort to study and forecast weather, it has become necessary for sensors to gather data from the surface of the earth to the lower limits of satellite orbits.

To aid meteorologists in collecting this information, the Office of Aerospace Research (OAR) and Air Weather Service are developing systems to gather data from the upper limits of the atmosphere.

One such system is a newly developed meteorological rocket called the Super Loki Dart, which consists of a solid propellant booster as a first stage and a non-propulsive dart as the second.

The booster separates from the dart after burning out and the dart then coasts to its highest point of 250,000 feet.

At this point the payload, consisting of a small radio transmitter and a parachute-like retardation device called the "Starute" is expelled from the dart.

The transmitter sends back temperature information to ground meteorological detection equipment while ground radar tracks the Starute.

From the data, wind, temperature, pressure and density measurements can be computed for extreme upper atmosphere.

In late July, four Super Loki Dart meteorological rockets were

launched from the Air Force Western Test Range, Vandenberg AFB, Calif. Personnel of Detachment 30, 6th Weather Wing, provided the launch team and telemetry tracking support while Det. 6, OAR supplied engineering and documentation support. Both units are located at Vandenberg AFB.

High resolution radar tracking was furnished by the Air Force Systems Command's Western Test Range.

Although the rockets are relatively small, 127.8 inches long and 4 inches in diameter and are launched westward, the instrument packages attached to the Starute may be carried inland by the prevailing winds as it floats to the earth.

Bronze Star

MSgt. Luther M. Cantrell has been awarded the Bronze Star for meritorious service as climatological NCO, Climatology Section, 1st Weather Group, Vietnam, from May 8, 1968 to Mar. 8, 1969.

Automatic weather switch set for Carswell opening

Hq. AWS—A new Automatic Digital Weather Switch, part of the Automated Weather Network (AWN) is scheduled to be activated Oct. 1 at Carswell AFB, Tex. Detachment 7, Hq. AWS and the Air Force Communications Service's (AFCS) 2048th Communications Squadron will operate the digital weather switch.

Once the facility has been activated, a similar operation at Tinker AFB, Okla., will be deactivated along with a manual weather relay center operated by AFCS at Suitland, Md.

The AWN was pioneered jointly by AWS and AFCS and became operational in July 1965. It is considered to be the most advanced weather communications system in existence. Some of the operational concepts developed for the network, such as the message distribution library concept, have been adopted by the World Meteorological Organization.

The AWN is a real-time computer system for collecting and editing data, delivering the observed data to military forecasting facilities, and distributing forecast products generated from those data to user activities.

Integral parts of the relay are meteorological editing and formatting of the data. These tasks are performed by the AWN computers.

Data from around the globe is relayed by the AWN to the Air Force Global Weather Central (AFGWC), Offutt AFB, Nebr. Forecasting products resulting from the data is transmitted via the AWN to users in both the Continental U. S. and overseas. The impact of the AWN on data quality and timeliness has been substantial.

Weather data is received by the GWC less than five minutes after entry into the network. More than one million word-groups of weather information pour into the GWC each day. As many as 10 million separate weather elements are considered and checked by computers prior to further refinement into atmospheric analyses and forecasts.

When the Carswell switch is activated and the Tinker switch closed, all equipment involved in the Tinker operation will be shipped to Clark AB, Philippines, where an automatic digital weather switch is expected to be activated in January 1970.

Hurricane

(Continued from page 1)

Captain Holland had the highest praise for his personnel. "They were scared. But it didn't affect their jobs. They were great. Everyone was worried about their families at home."

Manning the detachment during the storm were Captain Holland, First Lieutenants Michael C. Holcomb and Thomas P. Benoit, and Staff Sergeants Dennis G. Bowlin, Johnnie W. Weems, John C. Matta, Clarence C. Woody, Thomas Maholski and Joseph P. Donnelly. Others included Sergeant George M. Machovec and Larry L. Futral, also Airmen First Class Michael D. Murphy, Roger G. Myers, Kenneth J. Eysel, William G. Cook and Ricardo Cavazos and Amn Robert B. Krueger.

Recon squadron celebrating 25 years of Typhoon Chasing

ANDERSEN AFB, Guam—The 54th Weather Reconnaissance Squadron, Andersen AFB, Guam, celebrated its 25th birthday last month.

Widely known as the "Typhoon Chasers," the 54th WRS is responsible for conducting tropical storm and typhoon reconnaissance in the area bounded by the Equator, the International Date Line and the Asiatic Continent, an area of over seven million square miles.

Activated as a bombardment squadron under the Eighth Air Force in 1944, the unit distinguished itself in the European Theater of Operation during World War II. The squadron was awarded four battle streamers for its wartime heroics.

Redesignated the 54th Reconnaissance Squadron, long range weather, in 1945, the squadron was transferred to Andersen AFB, Guam in conjunction with its name change.

Primary mission of the 54th from 1945 through the present has been typhoon reconnais-

sance. Over the last ten years, 54th crews have monitored 227 typhoons.

In addition to typhoon reconnaissance, 54th crews have been deployed to staging bases in the Southern Pacific to monitor "splash-down" areas for orbiting astronauts. Crews also weather-scout routes and air-refueling areas to be used by fighter aircraft deploying from the U. S. to the Far East.

For the past two winters, 54th WC-130's have been stationed at Elmendorf AFB, Alaska in support of Project Cold Cowl, a fog seeding experiment, that saved the Military Airlift Command an estimated \$100,000 last year.

In the spring of 1969, 54th crews participated in GROMET II, a rain-making project in the Philippines which broke the longest drought in that country's history and forestalled a famine of major proportions.

An interesting sidelight for the 54th is the squadron's annual Christmas Drop, the first of which took place in the early 1950's.



THE HURRICANE HUNTERS recently named Ramon Calderon, Director of Civil Defense, Puerto Rico, an honorary squadron member. Col. George D. Thurman, 53rd Weather Reconnaissance Squadron commander, presented Calderon an engraved plaque and letter of initiation. (Air Force photo)

Hurricane Hunters honor Puerto Rico CD director

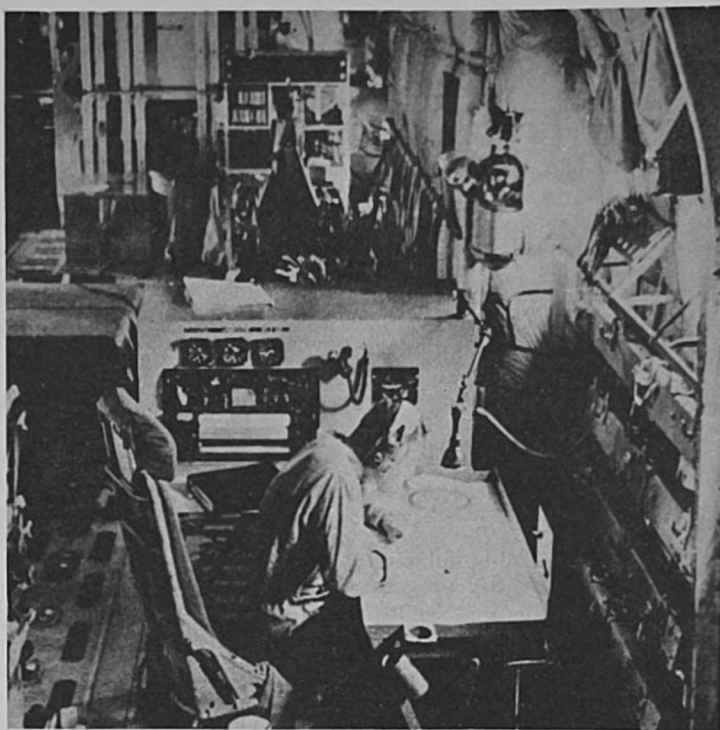
RAMEY AFB, Puerto Rico—Ramon Calderon, Director of Civil Defense, Commonwealth of Puerto Rico, has been named an honorary member of the Hurricane Hunters.

Col. George D. Thurman, commander, 53rd Weather Reconnaissance Squadron, Hurricane Hunters, presented Calderon an engraved plaque and letter of initiation. Calderon was cited for his outstanding accomplishments as Director of the Civil Defense office.

In presenting the plaque, Colonel Thurman said, "In extending this membership, we wish to focus attention on the goals of preservation of life and property that are paramount among your endeavors and ours. We wish to emphasize

the pleasant and fertile relationship that exists between our two communities and to pledge our continuing efforts toward the enhancement of this relationship and toward our common task of forewarning the population of impending meteorological disasters."

After accepting the honorary membership Calderon thanked the Hurricane Hunters for their past vigilance and particularly for their surveillance of tropical storm Anna. He noted that it was the airborne reconnaissance information relayed and interpreted by the National Hurricane Center and the U. S. Weather Bureau that permitted Puerto Rican Civil Defense officials to maintain a proper state of readiness.



PLOTTING THE PATH OF A TYPHOON is TSgt. Wendell Parker, 54th Weather Reconnaissance Squadron, Andersen AFB, Guam. By using various weather instruments, Sergeant Parker can take pressure, temperature and humidity readings from his rear seat position in the WC-130 aircraft. (Air Force Photo)

Sergeant inherits new job - - named detachment motor NCO

HEIDELBERG, Germany — Since weather detachments are usually small, many airmen and NCOs have extra duties aside from observing and forecasting, possibly the most unusual for a weatherman is that of TSgt. James F. Ham, Detachment 14, 7th Weather Squadron. He's the detachment's motor sergeant.

He got the job by default. In June, 1967, when the U. S. Army, Europe (USAREUR) Forecast Center was activated, it gained its own motor pool from the Army. Five 2 1/2-ton trucks, four 1 1/2-ton trailers, three generators and a jeep and trailer became the "weather motor pool." And who better to run the whole show than the only man in the outfit who had ever driven a "deuce and a half?"

Ham had problems right from the start. Maintenance, he discovered, was "do it yourself", Army style. Detachment members soon learned to change tires, check and change oil and wash the vehicles.

He also learned that he had another task — driver training, and its associated paperwork. He is largely responsible for the detachment's record of 18 month's field support to Seventh Army without an accident or incident.

With these extra duties, there's only one thing that might cause Ham problems. Can you imagine the reaction when he tells his next stateside weather detachment commander "Sir, I was a motor sergeant!"

Vandenberg men claim biggest balloon shelter

VANDENBERG AFB, Calif. — Detachment 30, 6th Weather Wing claims to have the largest rawinsonde balloon inflation shelter in the world.

Located at the Vandenberg space launch complex (SLC), the building, originally designed for inspection of components for the Titan booster, measures 80 feet wide, 140 feet long and more than 50 feet high.

Rawinsondes are released from the SLC area and other Vandenberg AFB, locations to support Air Force Western Test Range operations and to gather upper air data for future space launch programs.

The Observer regretfully announces the death of Mrs. Jean L. Williamson, wife of SMSgt. Jack G. Williamson, DCS Materiel, Hq. AWS.

A former weather WAF, Mrs. Williamson died of cancer at the Scott AFB Medical Center, Scott AFB, Ill.

Scott AFB all after one billion gallons of rain

SCOTT AFB, Ill. — Soggy denizens of Scott AFB, Ill., who believe that their midwestern base of some 2,300 acres is wetter than usual this year are quite correct. Through July 1969, a total of nearly one billion extra gallons of water had fallen on the base as rain.

Rainfall at Scott from January through July normally averages slightly more than 24 inches. In 1969, however, the Scott total already reached 39.95 inches of rain . . . and it's clouding up again.

Through July 1969, Scott was deluged with an extra 15.71 inches of rain. Translated into gallons, this extra rain over the entire expanse of Scott has meant 981,372,280 gallons, enough to fill all of the base swimming and wading pools 773 times.

Expressed in gallons, Scott's normal average rainfall for the first seven months of the year is a billion and a half gallons. When 1969's extra rain is added, this year's grand total already comes to nearly two and a half billion gallons.

For purposes of comparison, the world's rainiest place — Mt. Waialeale on the Hawaiian island of Kauai — averages 472 inches of rain each year, almost 12 times the unusual amount of Scott rainfall.

Pilots upgraded to aircraft commander

MCCLELLAN AFB, Calif. — Capt. Thomas E. Frazier and 1st Lt. Robert L. Brown have become fully qualified aircraft commanders in the WC-135B aircraft. The two 55th Weather Reconnaissance Squadron pilots are the first in Air Weather Service to be checked out as aircraft commanders under the new provisions of AWS Manual 55-1, that require 1,500 hours in the aircraft.



CHECKING FOR POSSIBLE damage to their WC-130 aircraft, after penetrating Hurricane Camille is Capt. Robert L. Clark, a co-pilot (left) and SSgt. Kenneth W. VonThaden, a crew chief. Both are assigned to the 53rd Weather Reconnaissance Squadron, Ramey AFB, Puerto Rico. The WC-130 crew recovered at Ellington AFB, Tex., after penetrating the storm. (Photo by Jerry Click of the Houston Post)

Have you volunteered for overseas? Find out where you stand in AWS

Hq. AWS -- This month's overseas volunteer list is devoted to the weather forecaster field 253XX. The top two volunteers in each grade are listed according to their country of preference.

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

Another factor to keep in mind is that any list of volunteers

changes constantly. What "went to press" as an up-to-datelisting could be outdated by the time it reaches the field.

Next month's OBSERVER will highlight the weather observer career field.

253XX

Alaska

SS Warder, Richard J.
SS Powell, Donald E. Jr.
TS Scanlon, John W.
TS McGee, Howard E.
MS Stickney, Freeman W. Jr.
MS Schmitz, Jerome A.

Hawaii

SS Warder, Richard J.
SS Chilton, Duane E.
TS Dunham, Edward P.
MS Lambert, Charles B.
MS Schmitz, Jerome A.
SMS Combs, William E.
SMS Buchan, Clive E. Jr.
CMS Miller, Robert E.

Germany

SS Hardt, Stephen R.
SS Crowder, Charles H.
TS Bienvenue, Louis A.
TS Mosley, Richard D.
MS Soman, Jack
MS Casias, Max A.
SMS Platzer, Anthony R.
SMS Gregor, Paul M.
CMS Jesion, Peter K.

Italy

SS Hardt, Stephen R.
SS Hall, Avon P.
TS Bienvenue, Louis A.
TS McCutcheon, Carl H.
SMS Manning, Robt. W.

England

SS Chilton, Duane E.
SGT Tauber, Gerald
TS McCutcheon, Carl H.
TS Mosley, Richard D.
MS Gallman, Donald L.
MS Wheeler, Ralph L.
SMS Gregor, Paul M.
CMS Dwyer, Martin W.

Spain

SS Hall, Avon P.
SS Ferrara, John N.
TS Koestler, Gerald D.
TS West, James D.
MS Soman, Jack
MS Casias, Max A.
SMS Manning, Robt. W.
SMS Platzer, Anthony R.
CMS Miller, Robert E.
CMS Jesion, Peter K.

Puerto Rico

SS Ferrara, John N.
SS Lokey, Luther B.
TS Brotherton, Raymond B.
TS Starrett, Frederick S.
MS Oliver, Wilmer D.
MS Brenton, Charles L. Jr.

Japan

SS Weltstein, Michael B.
SS Heidendahl, Werner J.
TS Pettitt, Ronald P.
TS Frankowiak, Berth C.
MS Frazier, Joseph H.
CMS Dwyer, Martin W.

Greece

SS Elkins, Gary G.
SS Heidendahl, Werner J.
TS Schockmel, Donald K.

Guam

SS Davis, Albert D.
TS Dunham, Edward P.

Denmark

SS Bryant, Creighton L.

Thailand

SS Kowalzyk, Todd
TS Elliott, Tolono U.

Azores

SS Bentley, John J.
TS Pacek, John T. Jr.
MS Collins, Hamlin A.

Canada

SS Bentley, John J.

East Germany

SS Roberts, Charles D.
TS McGee, Howard E.
TS Patton, Marvin F.

Vietnam

TS Frankowiak, Berth C.
TS Saenz, Rigoberto

Bermuda

TS Brotherton, Raymond B.
TS Fix, John R.

Australia

TS Hamer, Cecil C. Jr.
TS Collam, Roy H.

Iran

TS Schockmel, Donald K.

Taiwan

TS Zapf, Steven D.
MS Lawrence, Kenneth M.

Netherlands

MS Berutti, Anthony J.

Panama

MS Lawrence, Kenneth M.

Korea

TS Saenz, Rigoberto
TS Young, Valois Jr.



MEMBERS OF THE 6th Weather Squadron, (Mobile), Tinker AFB, Okla., "Top Three" program committee couldn't decide who should get credit for reenlisting SSgt. Ken Austin, so they decided to slice him into equal portions. Preparing to butcher the young NCO is (left to right) MSgt. Raymond Riley, SMSgt. George Connett, MSgt. Rudy Villarreal and MSgt. John Schaecher. Prior to quartering Austin, the four senior NCOs decided to credit his reenlistment to the squadron's top three program.

Five NCOs re-up - - collect over \$30,000 in total pay

Hq. AWS--For signing their names on the dotted lines of reenlistment papers, five AWSmen recently collected more than \$30,000 of normal and variable reenlistment bonus (VRB) pay.

SSgt. Thomas McLehane, an autopilot specialist with the 58th Weather Reconnaissance Squadron, Kirtland AFB, N. M., received a bonus of \$7,364. His bonus will be spread over a four-year period.

Two aircraft radio repairmen with the 55th WRS, McClellan AFB, Calif., Staff Sergeants Robert J. Morrell and Ynosencio C. Tello, each collected nearly \$6,500 in normal and VRB pay. With the two reenlistments, the squadron's aircraft communica-

tion section has maintained a 100 percent retention rate.

Another 58th WRS NCO, Sgt. William J. Nielson, an electronic repairman, collected \$5,670 to stay for an additional four years. Sergeant Nielson received his re-up pay in one lump sum.

A weather observer with the 6th Weather Squadron (Mobile), SSgt. Ken Austin, received a reenlistment check of \$5,260 to stay aboard. Sergeant Austin was reenlisted by Col. Frank Z. Kamer Jr., 6th WS commander.

Other AWSmen who reenlisted were Sergeants Clinton Greenfield, William McClenney and Thomas G. Leahy, all of the 53rd WRS, Ramey AFB, Puerto Rico.

Vietnamese airmen learning new weather skills from AWSmen

NHA TRANG AB, Vietnam—To a pilot, the weather cannot be just "good" or "bad." For safety's sake, he has to have detailed, up-to-date reports of the weather situation throughout his flying area.

Vietnamese pilots are receiving improved weather reports, thanks in part to Detachment 4, 30th Weather Squadron at Nha Trang AB.

The detachment, in conjunction with members of the Air Force Advisory Team 6, are conducting a 12-week training program for weather observers of the Vietnamese Air Force.

Students learn to operate data collecting equipment, temperature dewpoint indicator, aneroid barometer, cloud ceiling indicator, and a teleautograph system for transmitting essential data to surrounding bases.

To reduce the language barrier, students also attend a short class in English, which gives them an understanding of technical weather terms as well as conversational words. Students who attended weather school in the United States serve as interpreters and assistant trainers.

Conducting the program is TSgt. Dan Casey, a 21 year veteran.



BEING CHECKED OUT in the Convair F-106 Delta Dart before his courtesy ride in the supersonic aircraft with Lt. Col. Larry Pool, (right) commander 84th Fighter Interceptor Squadron, Hamilton AFB, Calif., is A1C Joseph A. MacInnis, an observer with Detachment 5, 29th Weather Squadron, Hamilton AFB. Airman MacInnis received the F-106 flight for his selection as the outstanding observer in the detachment and as a thank you from the 84th FIS for weather information supplied by the detachment.



COLLECTING MORE THAN \$12,000 between them are Staff Sergeants Robert J. Morrell (left) and Ynosencio C. Tello, both aircraft radio repairmen with the 55th Weather Reconnaissance Squadron, McClellan AFB, Calif. Especially proud of the reenlistees is MSgt. Charles S. Cameron, Non-commissioned Officer-In-Charge of the squadron's aircraft communication section, whose retention rate this year remains 100 percent.

Ninety-nine captains make permanent O-3 promotion

Hq. AWS - President Richard M. Nixon, recently selected 99 Air Weather Service officers for permanent promotion to captain in the regular Air Force.

Those selected include Nixon A. Adams, Laurence D. Bachman, Henry M. Baddley Jr., Allen E. Barr, Joseph T. Bocklage, David K. Boubelik, James K. Broyles, Paul T. Burnett, Terrell E. Burnett, Donald G. Caviness, Gary A. Chandler, Carl H. Chesley, Melvin E. Clark, John L. Conley, Robert L. Croft, Jerome B. Dague, Michael R. Denington, Robert E. Dettling, John W. Diercks, Jerome D. Dilling, Walter J. Drowns and Clarence C. Drumeller.

Also selected were Philip K. Dunn, Charles W. Dzyban, Wilson R. Edwards Jr., Clarence D. Ehrlich, Thomas J. Fantaski Jr., Jerry A. Feltner, Rex J. Fleming, William H. Follmer, Carl H. Foster Jr., William P. Fowler, Michael J. Fox, George L. Frederick Jr., Johnny R. Gelbar, Richard J. Girvin, Paul D. Gutfreund, Franklin R. Hartman, Ronald D. Hayes, Eugene J. Heald, Larry R. Heaton, Kenneth W. Hertzler, John E. Hogan, William H. Hora, Robert C. Johnson, Brian J. Kaufman,

Herbert Klein, Gregory G. Korczak, David J. Kozak and Willis D. Kriese.

Additional selectees include Edward T. Kubiak, Edward J. Kupniewski Jr., Dale L. Laforest, John E. Lansberry, Jesse N. Lipschuetz, Arnold L. Lowder Jr., Darrell L. Lucas, Terrence Mayer, Larry J. Mayou, Douglas D. McNutt, Martin G. Melander, Marina E. Menzies, William R. Moore Jr., William J. Morgan, James B. Morrow Jr., Herbert E. Munger, David T. Newell, Floyd W. Nolte, Curtis R. Nordan Jr., Albert T. Oldham, Jettie E. Padgett, James P. Preston, Thomas L. Price, Wayne L. Raab, Juan Rivera, Robert U. Roberts, Maurice C. Rollins, David L. Sanders, Robert Q. Serrett, James F. Shunk, David B. Smith, James R. Smith, Vernon R. Smith, Neil Sorenson and Ronnie B. Steward.

Others were Scott G. Stoddard, Duane R. Stoecklin, Thomas J. Sullivan, Jack A. Thomas, Gary J. Thompson, Bruce R. Tobias, Harold C. Walker, Kenneth L. Wells, Jackie L. Wiles, Gary K. Williams, Harold E. Williams, William E. Wilson, John J. Wright Jr. and Robert A. Young.



SSgt. William E. Horde

Girl saved by alert sergeant

BARKSDALE AFB, La., - Because of his knowledge of first aid procedures, SSgt. William E. Horde was able to save a young girl's life recently, after she nearly drowned.

While swimming in Caney Lake, located in the Kisatchie National Forest in Louisiana, Sergeant Horde's wife informed him that someone had nearly drowned. Being a former medic, Sergeant Horde rushed to the recovery area to lend assistance.

"The victim was a young girl around 13 or 14. She was being attended by two park guards who apparently didn't know what to do," the weather maintenance NCO commented.

"My car was about 40 feet away, so I wasted little time in getting my first aid kit. Immediately cleared any throat obstructions and then inserted a plastic airway device," the ten-year Air Force veteran continued.

"In a short time the girl started breathing normally, I then began treating her for shock," Horde concluded.

Assigned to Detachment 19, 26th Weather Squadron, Barksdale AFB, La., Sergeant Horde spent three and one-half years as an Air Force medic prior to cross training into the weather equipment repairman career field.

No newcomer to saving lives, Horde was cited in 1962 when he administered mouth-to-mouth resuscitation and heart massage treatment to an infant that had stopped breathing.

Horde was awarded the Air Force Commendation Medal for his actions.

76 AWS lieutenants get regular appointment

Hq. AWS - The President recently selected 76 Air Weather Service first and second lieutenants in the two-year group for appointment in the Regular Air Force.

Of the 255 Military Airlift Command officers selected for regular status, 30 percent are assigned to AWS units.

First Lieutenants

Those selected included: Thomas J. Andrew, John H. Arns Jr., James R. Avant Jr., Gerald D. Beck, Erik S. Buck, Billy D. Case, Charles B. Fannin, Falko K. Fye, Larry R. Hays, Scott P. Higgins, James A. Ingle, George G. Jackelen, Ronald C. Kaehlert and James Kennedy.

Additional selections to regular first lieutenant were Gary L. Kirby, Arthur R. Laing, Lynn M. Lard, Robert J. Lasure, William B. Maxwell Jr., Kenneth J. McClure, Michael P. McGaughey, Donald R. Mestemacher, Richard L. Nieman, Vernon G. Patterson, Frank A. Peacock, Roger W. Sadecki, William S. Sanders, Delvin G. Simmons, Peter J. Slapikas Jr., Robert E. Vangil-

der Jr., Stanley B. Vogelsang, Denze D. Waltman Jr. and Michael B. Wilson.

Second Lieutenants

Charles R. Abernathy, J. K. Anderson, Randolph W. Ashby, James R. Biser, Vernon L. Bliss, Robert Borkowski, Ronald W. Buhmann, John C. Burgeson, Paul A. Chase, John F. Clarenbach, Edward O. Dalley, William E. Davis, Lawrence B. Dillehay, William H. Elmer, Preston G. Epperson, Lawrence E. Gatewood, James C. Hakel, James Halbach, Robert M. Heslin and John E. Holdner.

Also appointed as regular second lieutenants were Mark R. Hollobaugh, James D. Hull, Main R. Hutcheson, Paul Jensen, William C. Jones III, Thomas T. Katonak, Edward F. Kolczynski, Jeffrey R. Kroll, Frank P. Krovisky, Timothy M. Laur, Allan J. Lhotka, James A. Lindquist, Saba A. Lucus, Kenneth B. McCool, David M. Meier, Paul H. Neu, James L. Rehkop, Gerald J. Sikula, Joseph L. Small, Joseph J. Tencza Jr., Thomas W. Walker, Frank H. Wells and Darell R. Whitehead.

MAC seeking airman advisor to succeed CMSgt. C. Stevens

Hq. AWS - Military Airlift Command is seeking a successor to CMSgt. Conrad F. Stevens as senior airman advisor to the MAC commander.

Sergeant Stevens, who took the position when it was created on April 9, 1967, will be reassigned soon.

In a recent message to field units, Hq. MAC outlined qualifications for the position.

Each of Air Weather Service's eight wings will be allowed to nominate one candidate. Each nomination folder will include favorable communications, air-

man performance reports, a letter of recommendation and a photograph of the candidate and his family.

Nominees must be chief master sergeants and must volunteer for the assignment.

Since Sergeant Stevens assumed the position as advisor to the commander on matters affecting enlisted personnel, he has traveled more than 412,000 miles, speaking to 126,000 MACmen during 440 days of temporary duty. He also has answered 3,100 letters, mostly from airmen in the field.

NORAD tour given to AWS dependents

ENT AFB, Colo., - A dependent's orientation tour of the North American Air Defense Command's (NORAD) Combat Operations Center was sponsored last month by Detachment 1, 4th Weather Wing, (NORAD Forecast Center).

Fourteen dependents and detachment members toured the command's underground facilities at Cheyenne Mountain, Colo. Highlight of the tour were visits to the Air Weather Service Solar Forecast Center and the NORAD command post.

Refreshments and a tour of detachment facilities concluded the annual orientation visit.

Bronze Star

Capt. William A. Salinger has been presented the Bronze Star for meritorious service as commander, Detachment 22, 30th Weather Squadron, Vietnam, from Dec. 8, 1967 to Nov. 8, 1968.



CHANGING THE DIRECTION of a weather vane is A1C William J. Chandler, a member of the 201st Weather Flight (New York Air National Guard). The 201st performed their summer

field training at Camp Drum, N. Y., in support of the 42nd Infantry Division, (New York National Guard).

It could be you

(Editor's Note: Because of the command's growing accident rate, the Directorates of Information and Safety have decided to initiate a safety column in the AWS Observer. The column will give a description of accidents, possible causes and the lesson learned. Each is a true story about AWS people with only names and places omitted.)

The Accident

After an uneventful period of water skiing, the airman returned to shore and removed his skis and life belt. He then ran into the water about 200 feet from shore and dived. The water at that point was approximately 18 inches deep. The airman struck his head on the bottom and fractured his neck. Lost time - approximately 180 days.

The Cause

Failure to determine the water depth prior to diving. A contributing cause was the careless zealotry of the individual.

What We Learned

It is always a must to check water depth in which you are going to dive or swim.

Accident rate down 14 percent from last year

Hq. AWS - For the first eight months of 1969 the Air Weather Service accident rate is running 14 percent below the 1968 accident rate. This information, along with accident types was recently released in a AWS, accident Summary by the Directorate of Safety, Hq. AWS.

The command suffered 37 accidents of all types for the first eight months of 1969, compared to 44 suffered for the same period last year.

The 37 accidents were as follows: 10 private motor vehicle, 11 sports, 3 maintenance, 6 government motor vehicle and 7 miscellaneous. The 37 accidents caused two deaths and 28 disabling injuries compared to one death and 40 disabling injuries last year.

There were 503 days lost this year due to accidents compared to 552 days lost last year.

Commendation Medals

U. S. Air Force Commendation Medals have been awarded or approved for the following AWS members:

Col. James E. Smith, (First Oak Leaf Cluster), Det. 8, 20th WS.
 Lt. Col. Ernest W. Grindstaff, (Second Oak Leaf Cluster), 22nd Military Airlift Squadron.
 Lt. Col. Earl W. Holtzschelter, Det. 3, 3rd WS.
 Lt. Col. John J. R. Kinney, Det. 30, 6th WW.
 Lt. Col. Daniel H. Lufkin, (First Oak Leaf Cluster), ETAC.
 Lt. Col. Lyl A. Martin, Hq. AWS.
 Lt. Col. Emory A. Mikell, (First Oak Leaf Cluster), 15th WS.
 Lt. Col. William P. Moore, Det. 1, Hq. AWS.
 Lt. Col. Emerson W. Ritchie, (First Oak Leaf Cluster), 9th WRW.
 Lt. Col. Albert H. Romanick, AFGWC.
 Lt. Col. Clarence O. Seamon, (Second Oak Leaf Cluster), 22nd Air Force.
 Lt. Col. Donald R. Smith (then) Maj., Det. 2, 53rd WRS.
 Maj. David L. Bailey, 2nd WS.
 Maj. Kurt G. Blunck, (First Oak Leaf Cluster), Hq. AWS.
 Maj. Peter J. Britos, Hq. AWS.
 Maj. Edward F. Conlan, 5th WW.
 Maj. Willard A. Couch Jr., (First Oak Leaf Cluster), 54th WRS.
 Maj. Henry W. Dobek, Det. 42, 12th WS.
 Maj. Richard K. Dutton, Pope AFB, N. C.
 Maj. Charles A. Erni, 55th WRS.
 Maj. Kenneth D. Haden, 2nd WS.
 Maj. Barry E. Harris Sr., 1st WW.
 Maj. LeRoy C. Johnson, 6th WW.
 Maj. James S. Kennedy, 2nd WS.
 Maj. Lee A. Monge, 56th WRS.
 Maj. Robert D. Patterson, (Second Oak Leaf Cluster), 56th WRS.
 Maj. Norman N. Richardson, (First Oak Leaf Cluster), Hq. AWS.
 Maj. Thomas A. Studer, (First Oak Leaf Cluster), Hq. AWS.
 Maj. Billy G. Taylor, 53rd WRS.
 Maj. Jerome Wacker, Hq. AWS.
 Maj. Jack R. Vowell, (First Oak Leaf Cluster), Det. 11, 35th WS.
 Maj. Allen R. Weeks, 9th WRW.
 Capt. Beatrice B. Avery, Hq. AWS.
 Capt. Jimmy D. Blackstock, 53rd WRS.
 Capt. Curtis D. Dale, (Second Oak Leaf Cluster), Det. 1, 55th WRS.
 Capt. Robert E. de Michaels, Det. 25, 10th WS.
 Capt. Michael R. Denington, (First Oak Leaf Cluster), Det. 1, 4th WW.
 Capt. Kenneth N. Hall, 58th WRS.
 Capt. Carmelo Hernandez, 53rd WRS.
 Capt. Irving R. Jorgenson, AFGWC.
 Capt. Kenneth J. Juvette, Det. 14, 1st WG.



Capt. Thomas G. Malone, Det. 1, 55th WRS.
 Capt. James R. Miller Jr., Det. 12, 9th WS.
 Capt. John W. Oliver, Hq. MAC.
 Capt. Patrick J. O'Reilly, (First Oak Leaf Cluster), ETAC.
 Capt. Dennis L. Quick, (Second Oak Leaf Cluster), 2nd WS.
 Capt. David L. Sanders, 53rd WRS.
 Capt. John J. Wright, 53rd WRS.
 First Lieutenant Thomas G. Lockette, 9th WRW.
 First Lieutenant Thomas P. Mickelson, Det. 2, 5th WW.
 First Lieutenant Joseph L. Small, Det. 2, 6th WW.
 First Lieutenant Roger C. Whiton, Det. 23, 24th WS.
 Second Lieutenant Eddie D. Doan, 54th WRS.
 CWO William B. Blankenship, Det. 1, 29th WS.
 CWO William H. Garrison, (First Oak Leaf Cluster), 2nd WW.
 CWO Billy G. Hance, Det. 15, 28th WS.
 CWO Thad F. Jennings, (First Oak Leaf Cluster), Det. 3, 15th WS.
 CWO George E. Lyons, Det. 2, 5th WW.
 CWO Freeman R. Smith, Det. 20, 9th WS.
 CWO Donald D. Topping, Eighth Air Force.
 CMSgt. William M. Gardner, (First Oak Leaf Cluster), Hq. AWS.
 CMSgt. Orville H. Holt, (First Oak Leaf Cluster), 2nd WW.
 CMSgt. Shepard M. Humston, Det. 14, 1st WG.
 CMSgt. Hilmer D. Sherry, Hq. AWS.
 CMSgt. Harold D. Swift, (Second Oak Leaf Cluster), 4th WW.
 SMSgt. Charles D. Bane, Det. 36, 7th WW.
 SMSgt. Elton M. Britton, (Second Oak Leaf Cluster), 9th WRW.
 SMSgt. I. J. Daubenspeck, (First Oak Leaf Cluster), 28th WS.
 SMSgt. Richard L. Durand, (First Oak Leaf Cluster), Det. 2, 11th WS.
 SMSgt. Donald F. Inman Sr., Det. 4, 1st WW.

Bronze Star

Lt. Col. Sey Katz, commander, Detachment 56, 6th Weather Wing, Washington, D. C., was recently awarded the Bronze Star Medal for outstanding performance as a detachment commander, 10th Weather Squadron, Thailand.



ACCIDENT FREE FLYER, Lt. Col. Robert C. Bevis (left), 54th Weather Reconnaissance Squadron, receives a 15,000 hour safe flying pin from Lt. Col. Carl E. Gunderson, commander, 54th WRS. Colonel Bevis, assistant operations officer and an aircraft commander at the 54th WRS, compiled most of his flying time in MAC while assigned to Charleston AFB, S. C.



SMSgt. James M. Lachey, (First Oak Leaf Cluster).
 SMSgt. Reed M. Lyons Jr., (First Oak Leaf Cluster), Det. 23, 25th WS.
 SMSgt. Eugene A. Murdock, (First Oak Leaf Cluster), Det. 21, 31st WS.
 SMSgt. John C. Nasson, (First Oak Leaf Cluster), 388th Avionics Maintenance Squadron.
 MSgt. Robert J. Copeskey, Pope AFB, N. C.
 MSgt. Lorenzo A. Corpus Jr., Det. 7, 15th WS.
 MSgt. Richard A. Crabb, Det. 15, 16th WS.
 MSgt. Daniel H. Fields, Det. 37, 7th WW.
 MSgt. Conrad S. Hurt, 53rd WRS.
 MSgt. Jerald N. Jackson, ETAC.
 MSgt. William E. Jennings, Det. 16, 16th WS.
 MSgt. Jack L. Matthews, (First Oak Leaf Cluster), Hq. AWS.
 MSgt. Forrest W. Parrott, (Second Oak Leaf Cluster), Hq. AWS.
 MSgt. Loyola E. Rolston, 2nd WS.
 MSgt. Robert C. Redding, 53rd WRS.
 MSgt. Joseph E. Showers, (First Oak Leaf Cluster), 58th WRS.
 MSgt. Frank J. Sobocynski Jr., (First Oak Leaf Cluster), Det. 30, 25th WS.
 MSgt. Jerry A. Williams, Det. 2, 11th WS.
 TSgt. William E. Clark, 3rd WS.
 TSgt. Ralph O. Ealy, (First Oak Leaf Cluster), ETAC.
 TSgt. Ray R. Esquibel, (First Oak Leaf Cluster), 58th WRS.
 TSgt. Robert C. Flick, AFGWC.
 TSgt. Roger E. Gaffa, Det. 33, 26th WS.
 TSgt. Ronald M. Leadbetter, Pope AFB, N. C.
 TSgt. Edward J. Szubinski, Det. 18, 20th WS.
 TSgt. Irving A. Tillung, (First Oak Leaf Cluster), Det. 1, 35th WS.
 SSgt. Ralph S. Beimers, Det. 43, 12th WS.
 SSgt. Donald D. Callaway, Det. 4, 16th WS.
 SSgt. Larry L. Denard, 4th WW.
 SSgt. Gene W. Fox, Det. 31, 6th WW.
 SSgt. Frank B. Kahr, 21st WS.
 SSgt. Kenneth H. Kuehner, Det. 31, 6th WW.
 SSgt. Hans D. Schwander, Det. 35, 7th WW.
 SSgt. Ray G. McKeliff, 9th WRW.
 SSgt. Sammy D. Slaughter, (First Oak Leaf Cluster), 4th WW.
 SSgt. Andrew V. Tacikiewicz, Det. 7, 16th WS.
 SSgt. William T. Taylor, 9th WRW.

Births

CHESLEY, Capt. and Mrs. Carl H., a son, Daryl Henry, at Womack Army Hospital, Ft. Bragg, N. C. Father assigned to Detachment 3, 16th Weather Squadron, Ft. Bragg.

DIFFELY, Capt. and Mrs. Robert E., a daughter, Shana Margaret, at Oxnard AFB, Ca. Father assigned to Detachment 12, 35th Weather Squadron, Oxnard AFB.

YOUNG, Capt. and Mrs. Robert A., a girl, Julie, at Elmendorf AFB Hospital, Alaska. Father assigned to Detachment 13, 11th Weather Squadron, Elmendorf AFB, Alaska.

GAYVERT, 1st Lt. and Mrs. Gerald J., a girl, Lisa Marie, at Pittsburgh, Pa. Father assigned to Detachment 2, 30th Weather Squadron, Vietnam.

KISER, 1st Lt. and Mrs., a son, Kevin Allyn, at Maxwell AFB Hospital, Ala. Father assigned to Detachment 23, 12th Weather Squadron, Gunter AFB, Ala.

HEISEY, SMSgt. and Mrs. David I., a boy, Scott Lee, at Elmendorf AFB Hospital, Alaska. Father assigned to 11th Weather Squadron, Elmendorf AFB.

DAISLEY, TSgt. and Mrs. Thomas D., a daughter, Sabrina Gabriella, at Syracuse, N. Y. Father assigned to Detachment 27, 12th Weather Squadron, Hancock Field, N. Y.

BOOTH, SSgt. and Mrs. Joseph R., a son, Allen Craig, at Oxnard AFB, Ca. Father assigned to Detachment 12, 35th Weather Squadron, Oxnard AFB.

GRAYSON, SSgt. and Mrs. William E., twin sons, Geoffrey Loren and Gregory, at Parkview Hospital, Ft. Wayne, Ind. Father assigned to 01-3, Hq. AWS, Chanute AFB, Ill.

ON THE skew-T

Highlights of Air Weather Service people at work and play.

AWS Global Report

Scott AFB, Ill.

First Lieutenant Michael S. Peredney, Hq. AWS, was a recent honor graduate from the Fundamentals of USAF Safety Training Programs School, Lowry Technical Training Center, Colo. The lieutenant completed the course with a 92 percent average.

Ft. Ritchie, Md.

Detachment 29, 6th Weather Wing, has been awarded the MAC Blue PRIDE Award for outstanding performance during the period Aug. 1, 1967 through Mar. 15, 1969.

Captains William G. Bess and William R. Newman, Det. 29, 6th WW have received regular commissions.

Ent AFB, Colo.

SSgt. James W. Evans, 4th Weather Wing, was a recent honor graduate of the Consolidated Base Personnel Systems Management Course at Keesler AFB, Miss.

MSgt. Herman C. Futrell, 4th WW, recently received a MAC Cost Reduction Key Chain Award for a cost reduction idea in the General Management Area which saved \$162,800.

Plattsburgh AFB, N. Y.

TSgt. Robert M. Allen, Detachment 7, 8th Weather Squadron, has been selected Outstanding Weather Maintenance NCO for the 8th WS for fiscal year 1969.

High Wycombe AS, England

SSgt. Zachary R. Palicia, Detachment 40, 28th Weather Squadron, was recently named an honorary communicator for outstanding support he provided to the Special Weather Communications Center.

Weather facts being sent by AWS relay unit to Korea users

OSAN AB, Korea — Personnel of Detachment 15, 20th Weather Squadron and the Osan base weather relay section lay no claim to an ability to change the weather but they are making sure that Korea weather information gets to the right people as rapidly as possible.

The local weather relay complex has been providing fast, reliable and continuous electrical weather communications support to Det. 15 personnel on an around the clock basis. Weather information is fed through the relay section to five Air Force facilities in the Republic of Korea (ROK) plus the ROK Weather Central. It is also relayed to the Fuchu Weather Relay Broadcast Center in Japan for wider distribution.

Besides teletype machines, the relay section has equipment for transmitting and receiving facsimile weather charts. These graphically show cloud formations, precipitation, wind speed, temperatures and air pressures.

Keesler AFB, Miss.

TSgt. Jackie L. Reed, 122nd Weather Flight, recently won a pen and pencil set for having his seat belt in use at a safety check initiated by the Keesler Ground Safety Office.

Kunsan AB, Korea

A1C Ralph W. Fahr Jr., Detachment 10, 20th Weather Squadron, has been named Airman of the Quarter for July. Airman Fahr was cited for his job performance as the only weather equipment repairman on base.

Chanute AFB, Ill.

SSgt. Bruce A. Kibben, 3363rd Instructor Squadron, has been named instructor of the month for July.

A native of New York, Sergeant Kibben was loaned a 1969 automobile to use for a week.

Fuchu AS, Japan

Lt. Col. Hyko Gayikian and Maj. Wayne S. Bullock, Detachment 1, 20th Weather Squadron, have been presented letters of appreciation for their assistance in establishing the U. S. Air Force-Japan Air Self Defense Force joint operation in the Asian Weather Control.

Letters were presented by Lt. Gen. Kiyotoshi Goto, commander, Airways, Air Communication and Weather Service Wing, Japan Air Self Defense Force.

Mountain Home AFB, Idaho

TSgt. James R. Fraser, Detachment 36, 25th Weather Squadron, was recently named PRIDE Man of the Quarter.

Sergeant Fraser was awarded a three-day pass and a dinner for two at the NCO Club.

Retirees

AWS retirees for the months of August and September were: Lieutenant Colonels Earl W. Holtzschelter, Emory A. Mikell, Eugene J. Niedenthal, Edward V. Polhamus, Albert H. Romanick and Marshall R. Warner. Majors Henry W. Dobek and David E. Newman. Captains Irving R. Jorgenson and Jack V. Strickland.

Chief Warrant Officers William B. Blankenship, George E. Lyons, Freeman R. Smith and Donald D. Topping. CMSgt. Harold D. Swift. Senior Master Sergeants Charles D. Bane, Elton M. Britton, Reed M. Lyons Jr. and Samuel L. Perkins.

Master Sergeants James T. Hastings, Jerald N. Jackson, Forrest W. Parrott, Joseph E. Showers and Frank J. Sobocynski Jr. Technical Sergeants William E. Clark, Ralph O. Ealy and Robert C. Flick. Staff Sergeants Ralph S. Beimers, Gene W. Fox, Kenneth H. Kuehner and Andrew V. Tacikiewicz.



By SGT. JESSE L. FREY

The Century Season

The 1969 college football season marks the 100th year of collegiate rivalries on the gridiron.

Intercollegiate football began at the home of Rutgers University in New Brunswick, N. J., Nov. 6, 1869. Rutgers "battled" Princeton that day before 300 bemused spectators, viewing what appeared to be a street brawl.

Legal and somewhat more refined methods of tackling and blocking evolved a little later adding some interest to the new sport. Original rules for the game were apparently derived from the combination of England's rugby and soccer which excluded a number of the uncivilized contact aspects of football. Of course football as we know it today includes many variables.

Many famous men including ex-Presidents have played the game and many men have become famous for their exploits on the gridiron.

Possibly the most well known of all football figures was Notre Dame's Knute Rockne, who pioneered the locker room lectures in an effort to instill a spirit of victory in his players. Evidently it worked because the pre-game speeches are practiced very rigidly by coaches today.

Even before Rockne, Amos Alonzo Stagg, who coached for 70 years, began new exploits for football as he paved the way for the present day bowl classics when he took his University of Chicago team West to play in the 1890s.

Through the many years of struggling, football nearly lost its battle many times. Eighteen deaths in 1905 and 33 in 1909 were a couple near disasters, but after much fighting and additional rule alterations and the adding of players equipment, football gave way to new life.

The passing game was developed to alleviate injury, add some zip to the game and stop the mass "stampedes" of players which produced the many crippling and killing injuries.

After all the changes and additions, football was finally accepted. Today attendance figures are soaring to new heights nearly every year. Since 1961, figures have surged at approximately a million-a-year rate.

Finally, it looks as though football is here to stay. If you find that hard to believe, just try buying a ticket some Saturday afternoon. Hens teeth are easier to come by.

Aces

Frank Worley, Operating Location 1, Environmental Technical Application Center, Asheville, N. C., recently scored a hole-in-one on the 10th hole at the Beaver Lake Golf Course, near Asheville.

TSgt. Raymond B. Brotherton, Detachment 32, 6th Weather Squadron, Grand Forks AFB, N. D., aced the 155 yard third hole on the Lincoln Park course near Grand Forks.

Four men challenge Atlantic

UDORN RTAFB, Thailand—Maj. Carroll D. Brown, 10th Weather Squadron, Udorn RTAFB, Thailand and his three-man sailing crew challenged the Atlantic in a 35-foot sailboat recently and came out the victors.

Major Brown and shipmates sailed the handbuilt catamaran from the island of Faial in the Azores to Lewes, Del., covering the 2,400 miles in 28 days. With the major were his 20-year-old son, Jerald, SSgt. Alan J. Schilz and Sgt. Christopher Irwin. Both NCOs are stationed at Dover AFB, Del.

The crew said the twin-hull catamaran withstood the voyage well. No severe weather was encountered, although waves did at times reach 12 to 15 foot heights.

Major Brown, who spent two years in the Navy before joining the Air Force in 1951, built the boat while stationed at Lajes Field, Azores, between 1963 and 1967. He said he would next like to take the boat out for a long Pacific voyage.

Sawyer major takes laurels

K.I. SAWYER AFB, Mich.—Maj. Herman B. Heinlein, commander, Detachment 33, 26th Weather Squadron, who specializes in last minute bowling victories, recently fired a 742 to win the Green Bay Post Gazette singles bowling tournament.

Competing against 4,500 other bowlers, Major Heinlein recorded games of 223, 224 and 233 for a 680 scratch total. Coupled with a 62 pin handicap, his closing score was 742.

As tourney winner, the major received \$300, a watch, a trophy and a transistor radio.

The major also led his team to the Michigan Upper Peninsula Tourney championship with a 682 score. Once again Major Heinlein came up with a strong finish to boost his and the team's total score.



Maj. Heinlein

Santa visits GIs in Japan

YOKOTA AB, Japan — Operation Santa's Visit, a project sponsored by the Far East Registered Nurses Club (FERNIC) was recently concluded at the Yokota AB, Japan casualty staging area, when hundreds of wounded servicemen from Vietnam had an early Christmas, complete with Santa Claus, Christmas dinner and individual gifts.

Mrs. Patricia A. Beyersdorf, wife of TSgt. Charles E. Beyersdorf, a forecaster with Detachment 16, 20th Weather Squadron, Tachikawa AB, Japan, is



FIRST LIEUTENANT Elmo H. Gardner Jr., Detachment 17, 20th Weather Squadron, Yokota AB, Japan, flies his planes from the ground. But then, how else would you fly a model airplane. The lieutenant recently took second place Class A speed event honors in the Pacific Air Forces Model Airplane Championships.

European little leaguers coached by Second Wing man

WIESBADEN AB, Germany—For the past two years the European little league champs have been Wiesbaden, Germany, who were coached by a member of the 2nd Weather Wing.

In 1968, Sgt. John Desimone was mentor of the European champs, this year SSgt. Chuck Tuttle, a 2nd WW observer coached the Wiesbaden All Stars all the way to the Little League World Series at Williamsport, Pa. Sergeant Tuttle describes his

feelings this way, "I've been managing in the little league for 12 years. My personal goal has always been that one of my teams would make the trip to Williamsport and the series. I've finally made it!"

Wiesbaden's 5-4 win over Italy gave them the European title and the trip to the U. S.

The Wiesbaden little leaguers bowed out of the series competition in the opening round with a 2-1 loss to West Tampa, Fla.

Reconnaissance team lands Hickam AFB softball title

HICKAM AFB, Hawaii—The 57th Weather Reconnaissance Squadron clinched the base intramural softball championship last month with a 7-4 win over the 61st Military Airlift Wing (MAW).

Pitching ace Tony Stigliano shined for the weathermen throughout the season and in the playoffs while his team backed him with sound defense and strong slugging.

Donald Cunningham, Ray Hamilton and Philip Feher all doubled in the five run sixth inning, boosting the AWSmen to a 7-2 lead in the final tourney game. The 61st MAW comeback was halted after two tallies

and the weathermen triumphed 7-4.

Team members were: John Proffitt, Philip Feher, Mike Richmond, James Burns, James Heller, Frank Vargo, James Smith, David Lambert, Raymond Hamilton, Tony Stigliano, Donald Cunningham, Roger Ducharme, Paul Geiss, Ronald Haworth, Gary Kirby, Jose Nuno, James Reifschneider, Mathew Tourtellott and Lt. Col. William D. Payton 57th WRS commander and All-Star Advisor.

J. Westphal named distinguished cadet

WEST POINT, N. Y. — Cadet James L. Westphal was recently named a distinguished cadet at the U. S. Military Academy completing his freshman year at West Point in the top five per cent of his class.

Cadet Westphal's father, Louis A., a retired weather officer, is assigned to the Systems Division, DCS/Operations, Hq. AWS.

The Observer regretfully announces the death of Mrs. Janet G. Hodges, wife of Maj. William C. Hodges, 54th Weather Reconnaissance Squadron, Andersen AFB, Guam.

Mrs. Hodges died from a cardiac arrest, at the U. S. Navy Hospital, Guam.



Yes sir, Sgt. Wexman is checking the ceiling now.