

Command exceeds Cost Reduction goals by a half-million dollars

Hq. AWS -- Air Weather Service has exceeded its Fiscal Year 1970 Cost Reduction Program (CRP) goal by \$585,100, according to Maurice Johnson, AWS CRP monitor.

The command had a FY70 goal of \$1,039,800 and actual savings amounted to \$1,624,900 or 156 per cent of its assigned goal.

The command had goals assigned in eight categories. Only in the traffic and transportation program area did AWS not exceed its goal. This area was assigned a savings goal of \$300,000 but realized actual savings of \$117,000.

Biggest dollar-saving areas were the general management improvement and equipment maintenance management areas. These areas had actual dollar savings of \$623,200 and \$497,600 respectively.

Top money-saver was an idea submitted by William C. Huyler, Hq. AWS, who suggested that the number of upper-air observations be reduced. This idea netted the command validated savings of \$273,100 for the fiscal year.

The 13 upper-air observation stations belonging to AWS were taking four rawinsonde observations daily upward from the surface to about 20 miles above the ground. These observations consisted of temperature, moisture, wind direction and speed and pressure.

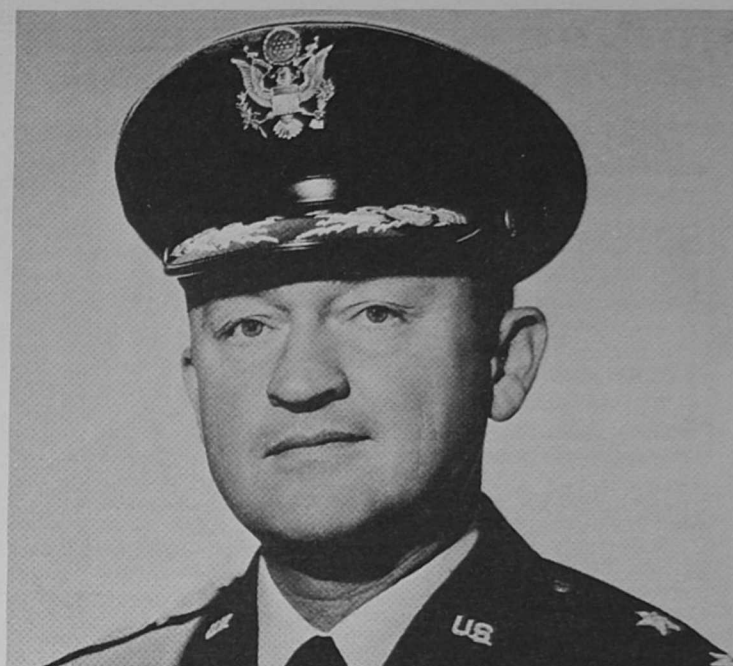
Eight enlisted military weathermen were required at each of the 13 stations to maintain the electronic equipment. Expendables required for each observation cost \$51.

It was determined by the AWS operations staff through a survey

of AWS worldwide rawinsonde operations that at 8 of the 13 rawinsonde locations only two daily upper-air observations were needed. This management action represented a change to the policy of requiring four runs per day at all locations.

Four of the five remaining upper-air stations are required to continue taking four upper-air soundings daily to support the Southeast Asia war effort. The fifth station will continue taking four runs a day in support of the Space Detection and Tracking Agency, Eglin AFB, Fla.

As a result of this management action, eight stations reduced observations from four to two runs daily, and 18 upper-air observer and maintenance technician spaces were eliminated.



General Pierce bids AWS people goodbye

As my departure from the Air Weather Service draws near, my thoughts turn to the fulfillment and deep satisfaction I have enjoyed during my 23 years with the organization and especially during the past four and a half years as your commander. The reason, of course, that the duty has been so rewarding is because of my long and close association with a group of people as fine and dedicated as any commander could ever hope to have.

Over the years our organization has come a long way toward the goal of optimum support to all of our many customers. Great advances have been made in all of our mission areas from the reconnaissance of storms to observing and reporting the weather at remote Army outposts in Vietnam. Whether your duty involves observing, maintenance, forecasting, servicing and flying airplanes, or the scientific development of complex techniques in atmospheric and space forecasting, you can all be proud, as I am, of the large contribution you are making in maintaining the security of this great country of ours.

I consider all of you the most intelligent, talented, and dedicated group of people in the Air Force and I know that you will accomplish great things in the years to follow under the leadership of Brigadier General Bill Best. To have served with people such as you has been a privilege and pleasure which I shall always treasure and both Mrs. Pierce and I wish all of you happiness and Godspeed.

RUSSELL K. PIERCE JR., Maj. Gen. USAF
Commander, Air Weather Service

Recon bird flies weather track for Thunderbirds

RAMEY AFB, Puerto Rico-- A WC-130 aircrew from the 53rd Weather Reconnaissance Squadron here was recently

tasked to fly weather tracking missions in South America for the U.S. Air Force demonstration team, the Thunderbirds.

The requirement was levied on the Hurricane Hunters because of the absence of regular weather reports, normally available to the Thunderbirds in the U.S.

The reconnaissance aircrew flew four tracking missions, each three and one-half hours prior to the Thunderbirds departures. The tracks were flown from Homestead AFB, Fla., to Ramey; from Ramey to El Liberador AFB, Venezuela; from Venezuela to Howard AFB, Canal Zone and from the Canal Zone back to the U.S.

During each tracking mission aircrew members kept an eye out for turbulence, particularly in refueling areas. All observations were sent to the 5th Weather Wing's TAC Forecast Center, Langley AFB, Va., and relayed to the Thunderbirds at each departure base.



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July 1970

First weighted promotion systems nets weather men one-of-three selection ratio

Hq. AWS -- Weather people came out extremely well in the first airman promotion cycle under the new Air Force

Weighted Airman Promotion System (WAPS).

There was one weatherman promoted to E-4, 5, 6 and 7 for

every 3.3 eligibles. The command had 711 weathermen selected for promotion out of 2,361 eligible people.

Weathermen competing for master sergeant stripes found that one of every 4.4 eligibles were getting promoted. With a cut-off score of 347, 26 of 180 eligibles were E-7 in the observer field.

Both the weather maintenance and forecaster fields fared better than their observer partners. Air Force selected 34 of 84 maintenance men and 47 (Continued on Page 4)

Weathermen make honor grad in Academy senior NCO class

NORTON AFB, Calif. (MNS)-- The Military Airlift Command Non-Commissioned Officers Academy here graduated its first class of super-sergeants.

Two Air Weather Service NCOs were honor graduates in this class. They were: SMSgt. John P. Witterski, 31st Weather Squadron, Ramstein AB, Germany and MSgt. Larry J. Burns, Detachment 2, 6th Weather Wing, Andrews AFB, Md.

The idea for an all super-sergeant class came from the office of MAC Commander, Gen. Jack J. Catton. This is part of General Catton's "top three program" and is aimed at enhancing the image and prestige

of the present senior NCO ranks.

The class of 104 master, senior master and chief master sergeants were picked from the worldwide MAC system.

Academy curriculum was revised and tailored to meet the needs of modern NCO executive supervision.

Graduates of this class bring the total number of Academy alumni to 13,749.

Other AWSmen graduating with Class 70-9 included Chief Master Sergeants Howard M. Bock, Charles D. Cronen and John F. Dee. Senior Master Sergeants Richard N. Johnson Jr., John G. Wondzell and Isaiah Woods.



A WC-135 PILOT, Maj. Henry M. Dyches Jr., 56th Weather Reconnaissance Squadron, Yokota AB, Japan, admires the Koren Kolligian Jr., Trophy after a Pentagon presentation ceremony where he received the 1969 edition of the trophy. Air Force Vice Chief of Staff, General John C. Meyer made the award presentation. (U. S. Air Force Photo)

1st Group vice commander



COL JOHN T. McCABE
VICE COMMANDER
1st WEATHER GROUP
TAN SON NHUT AB,
REPUBLIC OF VIETNAM

WINNER OF THE AWS
ZIMMERMAN AWARD FOR HIS
WORK IN CLIMATOLOGY IN 1965.

RECEIVED HIS BACHELOR'S AND
MASTER'S DEGREE IN
METEOROLOGY FROM THE
MASSACHUSETTS INSTITUTE OF
TECHNOLOGY, CAMBRIDGE, MASS.

WORKED AS A FORECASTER FOR
THE U.S. WEATHER BUREAU
IN SEATTLE FROM 1947 THROUGH 1950.

SERVED AS STAFF WEATHER OFFICER TO TROOP CARRIER UNITS DURING
WORLD WAR II. FLEW MORE THAN 100 C-47 WEATHER RECONNAISSANCE
MISSIONS ACROSS THE OWEN-STANLEY MOUNTAINS OF NEW GUINEA DURING
THE WAR.

ATTENDED THE AIR WAR COLLEGE, MAXWELL
AFB, ALA, PRIOR TO HIS CURRENT ASSIGNMENT.

MET HIS WIFE, THE FORMER MISS BARBARA
M. BEELER, IN THE EAST INDIES DURING
WORLD WAR II.

WON SEVERAL NEW ENGLAND BACKSTROKE AND
FREESTYLE SWIMMING CHAMPIONSHIPS FOR
1937 THROUGH 1941.

THOMAS M. BOLKOVAC

Generals urge troops to aid AFAS campaign

Hq. AWS -- In a letter to all Air Weather Service units, Maj. Gen. Russell K. Pierce Jr., AWS commander, urged all weather people to actively support the 1970 Air Force Aid Society Fund-Raising Campaign and its objectives.

The general said, "Let's all keep in mind that each contribution to this campaign directly benefits ourselves and our fellow Air Force members."

Attached to General Pierce's letter were letters from Gen. Jack J. Catton, MAC commander and Gen. John D. Ryan, Air Force Chief of Staff, concerning the campaign.

General Catton said, "The Air Force Aid Society provides emergency financial assistance to Air Force members and their dependents and undergraduate educational aid to dependent children. Such assistance totaled approximately four million dollars last year and contributed significantly to the economic well-being of many Air Force families."

I urge you to lend your active support in this worthwhile drive and strive to attain the dollar-per-man goal stated by Hq. U. S. Air Force."

General Ryan explained that "the Aid Society has been a part of our Air Force since 1946. As a vice-president and member of the Society's Board of Trustees, I assure you that this organization is ever striving to carry out its mission in support of the Air Force and its members. Let us all work together to make the 1970 Aid Society Fund-Raising Campaign a success."

The campaign will run from July 31 through August 15, 1970.



AN AIR FORCE HURRICANE HUNTER'S plaque was presented to A. L. Sugg, acting director, National Hurricane Center, Miami, recently by Col. Jerrie C. Wells, commander, 53rd Weather Reconnaissance Squadron, Ramey AFB, Puerto Rico. The presentation was held in conjunction with the official beginning of the 1970 hurricane season, 100 years of weather service, and the 50th anniversary of the American Meteorological Society. (U.S. Air Force photo)

Volunteer funds being sought for new Air Force Museum

WASHINGTON, D. C. -- The Smithsonian Institution opened a special postal history exhibition on "Special Mail Services to the Early Weather Bureaus" in its National Museum of History and Technology, here, last month.

The exhibit includes covers and stationery with special markings and notations, documents and related materials which demonstrate how the Post Office Department assisted the

Signal Service of the War Department and the Department of Agriculture to publicize their weather bureau programs and circulate their reports.

The exhibit, which emphasizes the postal services used in the early years of our national weather reporting system, will remain on view in the Museum of History and Technology throughout the summer.

Museum showing mail service to weather bureaus display

WRIGHT-PATTERSON AFB, Ohio--An Air Force-wide volunteer fund-raising effort in support of a new \$6,000,000 Air Force Museum being built here, is being conducted this month.

The museum is being built entirely with funds donated to the Air Force Museum Foundation, Inc., by businesses and private citizens.

The July campaign will allow Air Force active duty and reserve personnel and members of the Air National Guard to have a part in the building of their new museum.

Donations can be made to local volunteer fund-raising or-

ganizations or by direct mail to: Air Force Museum Foundation, Inc., P. O. Box Air Force One, Wright-Patterson AFB, Ohio 45433.

Construction of the new museum began in April 1970 and is scheduled for completion early next year. It will be open free to the public in the summer of 1971.

The museum will help preserve the Air Force heritage through its displays of historic aircraft and related items from the era of the Wright brothers to the present day.

Its military aviation collection is one of the most extensive in the world.

What is freedom to you: a privilege or obligation?

What does freedom mean to you?

Does the word merely denote the unlimited right to do as you please, or does it imply a reciprocal degree of responsibility?

A study of various political systems reveals that the

greater the responsibility incurred. Conversely, systems which have denied their citizens the basic human rights of life, liberty and the pursuit of happiness ask little in return.

"Freedom--Privilege or Obligation?" is the theme of the 1970 letter writing category of the Freedoms Foundation Award Program. The Freedoms Foundation of Valley Forge is offering cash awards for your thoughts on freedom in the United States and the obligations that all citizens share in protecting that freedom.

Letter writing competition is open to all active duty service members, reservists, guardsmen, and ROTC cadets. Your entry need not be in letter form as such, but may be essay

or poetry of not less than 100 nor more than 500 words in length.

Mail your entry to Freedoms Foundation, Valley Forge, Pa. 19481. Deadline for submissions is Nov. 1, 1970.

Freedom, is it a privilege or an obligation? What do you think?

Manning requirements, a requisition for people

DETCOs -- did you know that your weather personnel requirements are made known to us by your wing headquarters? Our allocation process is based on a "Shortage Report" system. These reports are submitted quarterly for officers and monthly for airmen.

These reports, submitted several months in advance, enable the wings to tell us precisely what they need in terms of special qualifications, etc., and in the priority that their requirements are to be filled.

As available resources are never sufficient to fill all needs, the system permits us to put people where they are needed the most. Each wing, therefore, actually determines the distribution of weather personnel within the wing, while the actual assignment of the people involved is made by us.

Overseas requirements are naturally filled first--which means we tab CONUS personnel for overseas assignments to start the cycle. This is normally six or seven months in advance and about the time your people will learn of their projected assignments. Next we look at overseas returnees and begin applying them against the vacancies that were just created--in accordance with wing desires as stated on their Shortage Reports.

A two or three month lag time is built into the process at this point which means you will not learn of replacements until from three to four months before a given incumbent departs. You should always keep higher headquarters advised of any problems in this area.

One important sidenote--you know, of course, that AWS has no jurisdiction over non-weather personnel. Problems in this area should be handled directly between you and the CBPO. It's up to you to monitor your non-weather types, and if repeated efforts to resolve problems with your CBPO don't help--you should document them and send through AWS channels for assistance. MARY C. ROGERS, Major, USAF
Assistant Director
Directorate of Plans and Requirements
DCS/Personnel

ESSA celebrates fifth birthday

WASHINGTON, D. C. -- The Environmental Science Services Administration (ESSA) observed its fifth anniversary on July 13, 1970.

The occasion was marked by open houses at many offices and laboratories of the Weather Bureau, the Coast and Geodetic Survey, the Environmental Data Service, the National Environmental Satellite Center and the ESSA Research Laboratories -- the agency's five major components.



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MAJ. GEN. RUSSELL K. PIERCE, JR.

Commander, Air Weather Service

CAPT. TERRENCE MAYER, Director of Information

L.T. RAY A. CROCKETT, Managing Editor

SSGT. GENE GOLDSMITH, Editor

AWS identifies 164 assignment vacancies for short-tour people

Hq. AWS--Are you scheduled for reassignment from overseas next year? If so, would you like to know what chance you have for a consecutive overseas tour? If you answered yes to both of the above questions, then the AWS Overseas Vacancies List is just the thing for you.

The list gives an account of where scheduled openings are, grade required, career field needed and the number of openings. All vacancies are for April, May and June 1971.

Of the 164 vacancies on the list, 88 are for Germany, Japan or the United Kingdom. The other 76 openings are for Alaska, Azores, Hawaii, Greece, Guam, Italy, Puerto Rico or Spain.

APRIL		
COUNTRY	RANK	AFSC
Alaska	SMSgt.	R25390
	MSGt.	25370
	Sgt.	30250
	Sgt.	30251
	Sgt.	25251
Hawaii	Capt.	E2546
	Sgt.	25251
Germany	1st Lt.	2524
	SSgt.	25251
	Sgt.	25251
	Sgt.	30250
	A1C	25251
	Amn	25251
Guam	Capt.	2534
Greece	Sgt.	25231
Italy	Sgt.	25251
Japan	Sgt.	30250
	SMSgt.	25390
	TSgt.	R25370
	SSgt.	25330
Puerto Rico	SSgt.	25251
	A1C	30251
United Kingdom	Maj.	E2524
	Capt.	2524
	Capt.	E2546
	1st Lt.	2524
	CWO	E2546
	SSgt.	25251
	Sgt.	25251
	Sgt.	30250
	MAY	
Alaska	CMSgt.	25390
	SMSgt.	30291
	A1C	25231
Hawaii	Capt.	E2524
Germany	MSGt.	25271
	TSgt.	25271

	TSgt.	25370	Puerto Rico	Capt.	2524
	TSgt.	30270		Capt.	2534
	SSgt.	25251		SSgt.	25251
	Sgt.	25251		SSgt.	A25251
	Sgt.	R25251		A1C	30251
Guam	Maj.	2516			
	Capt.	2534	United Kingdom	Capt.	2524
Greece	TSgt.	25370		SSgt.	25251
	SSgt.	25251		Sgt.	25251
	Sgt.	25251		Sgt.	30250
	Sgt.	30250		JUNE	
Italy	TSgt.	R30270			
	Sgt.	25251	Alaska	MSgt.	R25370
	Sgt.	2534		TSgt.	25370
	Capt.			SSgt.	25251
Japan	SMSgt.	A25291		Sgt.	30250
	MSgt.	25370		Sgt.	30250
	TSgt.	R25271		A1C	25251
	SSgt.	25251			
	SSgt.	A25251	Hawaii	Maj.	E2516
	Sgt.	R25251		SMSgt.	R25291
	Sgt.	30250		SMSgt.	25291
	A1C	30251		MSgt.	R25271
Azores	SSgt.	25251		TSgt.	R25271
	CMSgt.	25390		SSgt.	R25271
Spain	Sgt.	25251			
	Sgt.	30250	Germany	Capt.	2524

Commanders to confer at Scott

Hq. AWS--Commanders from each of Air Weather Service's eight weather wings will gather here July 27 through 29 to conduct an AWS commanders' conference.

Brig. Gen. William H. Best Jr., new AWS commander, will kick off the conference by welcoming the commanders.

Following the general, the weather chiefs will be briefed by Hq. AWS staff agencies on fiscal year 1971-72 reductions, inspection matters, the staff visit program and the command's safety posture.

The second day of the conference will begin with the presentation of unit awards to the commanders, followed by briefings on mission analysis, the FY-71 Cost Reduction Program, future reconnaissance concepts and centralized terminal forecasting.

The commanders will be briefed on officer/NCO relations and personnel matters on the third and final day.

Guam	Capt.	2524
	1st Lt.	2524
	Capt.	2534
	Capt.	2541
Greece	CWO	2524
	MSgt.	25370
	SSgt.	30250
Japan	Maj.	C2546
	Capt.	2534
	CMSgt.	R25390
	TSgt.	A25251
	SSgt.	25251
	Sgt.	25251
	Sgt.	R25251
	Sgt.	30250
	Sgt.	30251
Azores	MSgt.	25271
	TSgt.	25370
	TSgt.	R25370
	SSgt.	25251
	Sgt.	30250
Puerto Rico	1st Lt.	2524
	TSgt.	30271
Spain	Capt.	2524
	SMSgt.	25291
	TSgt.	25271
	SSgt.	30250
	A1C	30250
United Kingdom	Capt.	2524
	Capt.	D2524
	CWO	2524
	TSgt.	25370
	Sgt.	25251
	A1C	25251
	A1C	R25251
	A1C	30250



A DIME STORE MANIKIN maintains a perpetual vigil over a coffin which represents what might be an AWS weatherman, if extreme caution is not used during this summer's 101 Critical Days. This display was created by members of the 6th Weather Wing private motor vehicle panel to show their concern for the hazardous summer driving season. The display rests in front to the 6th WWG headquarters building at Andrews AFB, Md. (U. S. Air Force photo)



LOOKING THROUGH A TELESCOPE at Air Weather Service's most distant solar observatory in Tehran, Iran, is Gen. Jack J. Catton, commander, Military Airlift Command. For having made his personal observation of the sun, General Catton was named honorary solar astronomer of Operating Location 9, 2nd Weather Wing. (U. S. Air Force photo)

Tornado verification rate increases since MWWC move

OFFUTT AFB, Neb. -- The move of the Military Weather Warning Center from Kansas City to Offutt in January of this year appears to have paid off according to AWS operations people.

Primary reasons for the move were the benefits of having computer - produced weather data available for use by weather forecasters in preparing severe weather advisories and warnings.

Early evidence indicates the benefits have been realized. During April of this year tornadoes were forecast for 43 areas. Thirty-nine verified.

This 91 per cent verification contrasts with 69 per cent in April 1969 and with 75 per

cent as the previous record high percentage for any single month.

In order to take maximum advantage of automation a Severe Weather Threat (SWEAT) Index has been developed. The SWEAT Index has been used operationally this spring with great success. Several developing tornado situations have been "flagged" by the SWEAT Index as much as 36 hours prior to onset.

The overall tornado verification for 1970 exceeds that for 1969. Lead-time for advisories has increased steadily at AFGWC, reaching a mean of three hours, 13 minutes in April 1970 compared with two hours, 45 minutes in April 1969.

Weather team assist NSSL with severe storm tests

Tinker AFB, Okla.,--Nature has never been known to cooperate with man's attempts to probe her inner workings. However, in a recently concluded severe storm research project nature not only cooperated, it provided invaluable assistance in the form of several tornadoes.

Under the direction of the National Severe Storm Laboratories (NSSL), Norman, Okla., a 38-man team from the 6th Weather Squadron (Mobile) at Tinker was deployed to nine operating locations in support of the annual five-year spring thunderstorm study.

Directed by Dr. Stanley

Barnes of the NSSL, the study is investigating atmospheric conditions prior to, during and just after thunderstorms.

The experiments began shortly after a string of tornados struck near a network of research stations in the Oklahoma City area. Using balloons with rawinsonde instrument packages, the weathermen were able to record a vast amount of data for the NSSL.

During the five hours of tornado action, more than 430 soundings were accomplished, with some balloons rising to heights in excess of 18,000 feet.



SHOWING HER FATHER, CMSgt. Clayton W. Holt, an aircraft maintenance superintendent with the 58th Weather Reconnaissance Squadron, Kirtland AFB, N. M., where she is going to in Nigeria, is Katherine Holt. Miss Holt will teach in a Baptist women's college at Abeokuta, Nigeria, for two years.

(U. S. Air Force photo)

NCO's daughter will teach at African women's college

KIRTLAND AFB, N. M.-- Miss Katherine Holt, daughter of CMSgt. Clayton W. Holt, an aircraft maintenance superintendent with the 58th Weather Reconnaissance Squadron, here, will embark on a two-year adventure in Africa next month.

Through the Journeyman Missionary Program of the Southern Baptist Convention, Katherine will teach in a Baptist women's college in Abeokuta, Nigeria.

The journeyman program is organized through the foreign mission board of the Southern Baptist Convention. It is a two-

year missionary program for college graduates. About 75 people enter the program each year.

Miss Holt became interested in the program while a student at Baylor University, Waco, Tex., left last month for eight weeks of training at Meredith College, Raleigh, N. C., prior to her departure for Nigeria next month.

Improved storm detection equipment going into Hurricane Hunting aircraft

Hq. AWS -- Air Force hurricane reconnaissance capability will be improved by modifications presently being made to Air Weather Service's fleet of WC-130 weather recon aircraft.

Five of the aircraft, belonging to the 53rd Weather Reconnaissance Squadron "Hurricane Hunters," were scheduled to complete modification by last month. The Hurricane Hunters are based at Ramey AFB, Puerto Rico.

Modifications include installation of a Sperry Gyroscope AN/APN-42A radar altimeter, AMQ-19 Rosemount temperature system, 9206A Hewlett-Packard dropsonde data recording system, a new manual dropsonde dispenser and a new weather officer crew position on the flight deck.

All of the modifications are primarily for storm reconnaissance use, although they will be used on all weather recon flights.

The new radar altimeter will replace the present altimeter system on the 17 WC-130Bs, moving the present system to backup status. It is more accurate than its predecessor.

Altimeter readings enable the crews to determine altitudes at which certain atmospheric

pressure quantities are located. From these, facts about a storm's velocity and intensity are determined.

Improved resolution of temperature data is provided by the new temperature data system, essential for accurate determination of storm parameters, or characteristics. The instrument gives an instantaneous readout of temperature outside the aircraft.

Dropsondes are ejected from the dispenser in the aircraft's fuselage. Parachuting to the surface, the devices transmit continuous information on atmospheric pressure, temperature and humidity as they float to the surface.

The new crew position is being installed for the airborne weather officer (AWO) who is trained to analyze and interpret data received from the aircraft's sensors. A vantage point on the flight deck will improve the AWO's access to his instruments and data compared to his previous position in the aircraft's midsection.

Also underway is a program, called Project Seek Storm, for the development of improved storm penetration radar, with testing of prototypes scheduled for the 1970 storm season.

The present WC-130 radar set is identical to those installed on most radar-equipped Air Force aircraft, adequate for avoiding bad weather but not for storm penetration. Its signal resolution and range are limited in heavy rain.

Seek Storm may satisfy the airborne radar requirements of the larger Project 5222 -- development of an advanced weather recon system -- presently being developed by the Electronics Systems Division of the Air Force Systems Command. A target date of 1972 or 73 has been set for installation of the new system in the 130s. AWS officials look upon Project 5222 as the next generation in airborne weather instrumentation, providing a valuable aid in future storm reconnaissance.

Reconmen can either buckle-up or pay-up

McCLELLAN AFB, Calif.-- Paying cash for failing to wear automobile seat belts is better than paying with your life, later, because you forgot to buckle up.

This is how members of the 9th Weather Reconnaissance Wing feel about seat belts. Because personal feelings are so strong on this subject, personnel assigned throughout the 9th Wing have embarked on a volunteer buckle-up safety program to hit the "non-buckler" in the wallet.

Almost all drivers in the wing have seat belts front and rear

in their cars. The buckle-up program is a wing-wide project designed to insure that those belts are used by both drivers and passengers at all times.

Personnel joining the program sign an affidavit and receive a bumper sticker identifying them as "Buckle-Up Club" members. If any other volunteer, or 9th Wing safety office official spots a participant not wearing a seat belt while his car is in motion, the participant must pay a fine to the unit fund.

MAC combat airlift meet getting support from Travis

Hq. MAC--Weathermen from Detachment 2, 17th Weather Squadron, Travis AFB, Calif., will provide meteorological support for the second annual Military Airlift Command combat airlift competition set for Travis this month.

Air and ground crews from MAC's six airlift wings and two associate reserve groups will compete for a variety of trophies, each signifying excellence in different phases of aerial delivery of equipment or personnel.

The weathermen will take temperature, air pressure,

cloud ceilings, air speed and direction readings on a scheduled basis for the competing aircrews. They will also brief each flight crew and provide up-to-the-minute forecasts for drop zone areas.

The actual airdrop missions, dropping personnel, heavy equipment and light training bundles which simulate personnel and equipment, will take place both day and night at four different drop zones. These are at Mountain Home AFB, Idaho; Wendover Auxiliary Air Field, Utah; Fallon Naval Air Station, Nev., and Camp Roberts, Calif.

CRP getting overhauled, new program name coming

Hq. AWS -- The familiar Air Force Cost Reduction Program is undergoing several changes, including a new name. Final selection for the name, however, has not been announced.

Also effective for fiscal year 1971, the program goes government-wide, according to Maurice F. Johnson, Air Weather Service Cost Reduction monitor.

In other changes, Johnson said, "The goals will now be assigned more realistically, based on budget allocations." "Consolidated reports," Johnson continued, "will be forwarded by AWS to MAC three times a year instead of quarterly. Furthermore, only projects with savings of more than

\$250,000 will be forwarded to MAC and Air Force. Air Force will forward only projects of more than \$500,000 to the Department of Defense.

MAC will continue to present annual awards to outstanding individuals and units supporting the program. However, this year there will also be a government-wide ceremony Sept. 21 hosted by the Bureau of the Budget.

A key feature of the ceremony will be Presidential recognition of individuals, groups and organizations for their effectiveness in reducing costs and improving management.

DoD and Air Force annual awards will be presented subsequently.

WAPS . . .

(Continued from Page 1)
of 214 forecasters for promotion to E-7. Cut-off score for the weather maintenance field was 289.25 and for forecasters, 323.50.

Better than one of every two weathermen eligible for technical sergeant was selected. There were 129 forecasters eligible for this grade, with 112 selected. The forecaster cut-off score was 233.78.

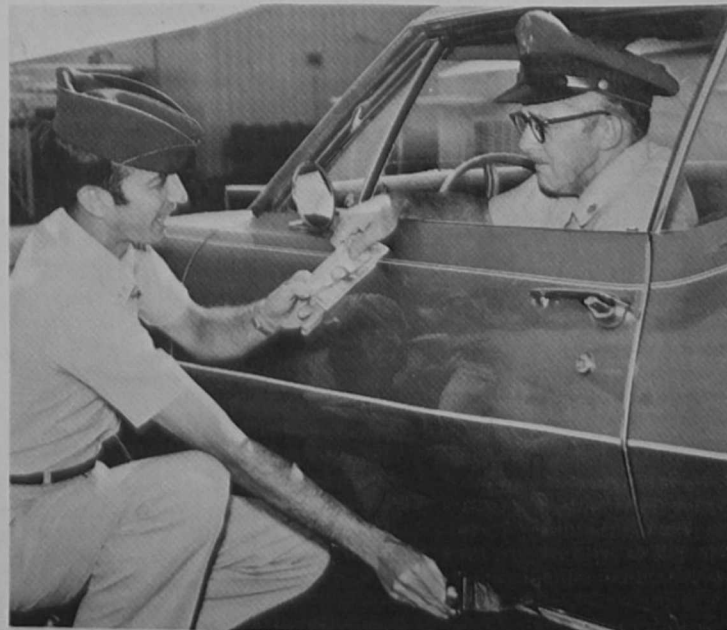
Other E-6 promotions included 100 weather observers selected out of 142 eligibles, with a promotion cut-off score of 260. There were 44 weather maintenance repairmen selected for E-6 out of 140 eligibles with a cut-off score of 291.

AWSmen did very poorly with E-5 promotions. Only one of every 12 eligibles were selected, compared to the Air Force average of one out of five.

Air Force selected 76 of 695 eligible observers for promotion to E-5. Cut-off score for this field was 305.50.

Only 18 weather maintenance people were selected for E-5 out of 420 eligibles. This field had a cut-off score of 330.50 points.

Weathermen were selected at a one out of 1.4 eligible rate for promotion to E-4. With cut-off scores of 191.50 and 254.50 for the observer and weather maintenance career fields, respectively. Air Force was able to promote 248 of 328 observers and 6 of 29 maintenance men to sergeant.



BECAUSE HE DECIDED TO GO DRIVING without wearing seat belts, Maj. Charles K. Emerick, 9th Weather Reconnaissance Wing comptroller, had to pay a two dollar fine to 1st Lt. Thomas G. Lockette, wing budget officer. Both officers are members of the 9th Wing's volunteer Buckle-Up program, a project to insure that wing personnel wear seat belts whenever their car is in motion. No, Lieutenant Lockette didn't keep the money. He turned it over to the 9th Wing's unit fund. (U. S. Air Force photo)

Cape weathermen tour NHC

CAPE KENNEDY AFS, Fla. -- Eight meteorologists from Cape Kennedy Air Force Station, Fla., were briefed on newly developed hurricane forecasting techniques recently at the National Hurricane Center in Miami.

The group was led by Lt. Col. Robert H. Dowd, commander, Detachment 11, 6th Weather Wing at Cape Kennedy, AFS.

Arnold Sugg, assistant director of the center, explained the use of the Applications Technology Satellite in locating hurricanes and predicting their course and HURAN, a hurricane analog system relying on com-

puters to trace hurricanes along past patterns. This system was developed by the center's Spaceflight Meteorology Group.

The meteorologists also heard from representatives of the Chief, Aerial Reconnaissance Coordination, Atlantic Hurricanes (CARCAH) and the 53rd Weather Reconnaissance Squadron "Hurricane Hunters."

Accompanying Colonel Dowd were Captains Frederick J. Fowler and Roger Schauss, 1st Lt. Bernard Friedman and Second Lieutenants John Ernst and Michael Sylvester, CWO William Hinds Jr. and Irving Kuehnast.



POINTING OUT A HURRICANE'S PATH to members of Detachment 11, 6th Weather Wing, Cape Kennedy, Fla., is Arnold Sugg, assistant director of the National Hurricane Center (NHC), in Miami. Standing (left to right) are: CWO William Hinds Jr., 2nd Lt. John Ernst, Capt. Roger Schauss, Robert Hairston, Chief of Aerial Recon-

naissance Coordination, Atlantic Hurricanes and Capt. Philip Bergh, both assigned to the NHC Air Force Liaison Office and Lt. Col. Robert Dowd. Seated (left to right) are Capt. Frederick Fowler, Irving Kuehnast, 2nd Lt. Michael Sylvester and 1st Lt. Bernard Friedman. (U. S. Air Force photo)

Satellite seminars nets ETAC major WB praise

Hq. AWS--In a letter to Maj. Gen. Russell K. Pierce Jr., AWS commander, Maj. Golden R. Farr, Environmental Technical Application Center, Washington D.C., was cited by the U. S. Weather Bureau's

western region chief, H. H. Bedke, (a former AWS colonel) for his outstanding presentation of the AWS Satellite Interpretation Seminars to forecasters assigned to this region.

Bedke said, "As a result of Major Farr's recent swing through the west, I have received several letters and phone calls telling me how helpful the seminars were."

One such letter stated that, "the presentations were excellent and brought us up to date on the latest developments regarding interpretation and use of satellite pictures. . . We surely hope that our Weather Bureau personnel will have an opportunity to attend seminars of this nature again in the future."

Bedke concluded his letter by asking the general to convey to Major Farr and his staff the Weather Bureau's appreciation for a job well done.

Promotions

Hq. AWS -- The following 3rd Weather Wing people have been selected for promotion under the Weighted Airmen Promotion System for the fiscal year 1971-A promotion cycle.

To master sergeant

Douglas R. Casey, Robert E. Curle, Clarence C. Fannin, James E. McMurphy and Henry M. Turk.

To technical sergeant

David R. Anderson, Murray R. Baker, Paul D. Baughman, Arthur E. Billue, Tom B. Brion, Dwayne N. Burgess, Ronald D. Childers, Harold F. Degal Jr., Claiborne Dukes Jr., Donald R. Hagen, Stephen R. Hardt, Louis S. Rinsey, James Kilty, Franklin D. Legg, William C. Marschke and Martin T. McFarland.

James W. Miller, Bernard F. Milligan, Jere P. Norman, Simon C. Palmieri, John M. Perchik Jr., Daniel W. Sandmeyer, Victor L. Smith, Darwin P. Tucke, Paul B. Weiss, Carl B. Wilkins, John L. Williams and Jerry S. Wolleat.

To staff sergeant

Thomas M. Carman, Michael W. Carter, John C. Kinstle and Peter J. Grotzinger.

To sergeant

Howard L. Allison, John M. Anderson Jr., Lee H. Batsel Jr., Charles W. J. Blanks, Edward R. Ewing, Richard J. Ewing Jr., Kitrick Frederic, Paul G. Heinrich, Thomas V. Hibbard, Thomas Hoffman, William Jaremsek, Tyrone Johnson, William Klint, Dennis Kronlage, Robert E. Lau, Thomas J. Lee, Patrick Marcuccillo, Gregory Martin, Duane Meyer and William Nicholl.

Robert Pack, Guy N. Pound, Herbert Reynolds, Robert W. Schusler, Ronald W. Sigler, Michael Sparks, Robert E. J. Sprague, John W. Stevens, Len J. Stubblefield, Harold Sullivan, Craig Thompson, Steven Trimble, Robert Vanelli, James Volgarino, Charles E. J. Walker, Don Waterhouse, Charles Waters and Dennis Wegluter.

Hurricane Hunters to fly more WC-130 aircraft in 1970 season

Hq. AWS--With two missions on early-season Hurricane Alma already in the record books, the USAF Hurricane Hunters are on the watch in Puerto Rico for any of Alma's violent sisters who may be waiting in the wings.

During this 27th season of Air Force Atlantic storm reconnaissance, four additional weather - modified Lockheed WC-130s will be used for storm penetrations.

Operating again this season from its home base at Ramey

AFB, Puerto Rico, the 53rd Weather Reconnaissance Squadron will provide storm surveillance of the Atlantic coast east of Puerto Rico and will locate and track tropical storms off the entire U. S. coastline from Texas to Maine, alternating with the U. S. Navy. Area of the storm watch covers a million and a half square miles of ocean and gulf waters.

Pivot of the military hurricane-warning network is the Chief of Aerial Reconnaissance Coordination for Atlantic Hurricanes (CARCAH), an Air Force official responsible for insuring that aerial reconnaissance by both AWS and Navy aircrews is flown in support of National Hurricane Center needs. His job is to follow through from the first report of a suspected storm to issuance of the season's last hurricane bulletin.

During the annual hurricane season, the Hurricane Hunters receive daily teletype messages from CARCAH, outlining reconnaissance needs. Throughout the season, daily weather missions are flown on fixed routes, called tracks. Special storm reports are obtained by diverting routine flights.

Air Force aircraft reports are received at the Miami center by teletype after being checked for accuracy by special AWS monitors at Charleston AFB, S. C. Monitors are in direct voice contact with observers aboard the WC-130s. Reports give NHC forecasters temperature, pressure humidity, winds, cloud structure and other technical data within and outside a storm's eye.

For additional data, CARCAH may ask AWS ground stations near an interest area to make special surface and upper-air observations. Ground radar sites along the coast provide within 200 miles of the coastline.

The Weather Bureau issues four advisories daily for ci-

vilian use, containing bulletins (military advisories), containing 12-hour and 24-hour forecasts, as well as "outlooks," giving a storm's forecast position and intensity in 48 and 72 hours.

The National Hurricane Center, backed by the men and aircraft of the Hurricane Hunters, is working to locate, track hurricanes and warn coastal communities in their paths of hurricanes or possible storms stirring in the Atlantic.

Fuchu major gets degree, PACAF award

FUCHU AS, Japan -- Capt. Charles E. Vadakin II, a forecaster at the Asian Weather Central, recently received a Pacific Air Force Certificate of Distinguished Educational Achievement from Col. Elwyn A. Moseley, 20th Weather Squadron commander.

The certificate recognized Captain Vadakin for his tenacious off-duty study which earned him a master of Aerospace Operations and Management degree from the University of Southern California.

Colonel Moseley stated: "I estimate that Captain Vadakin, over the past two years, has driven over 3,000 miles in some of the heaviest auto traffic in the world, commuting between the Fuchu Air Station and his classes at Tachikawa Air Base."

"He has attended over 600 hours of class instruction and spent nearly 2,000 more hours in home study, not to mention some 200 hours behind the wheel of his automobile. During this entire period, he remained a shift forecaster on duty in the Asian Weather Central, yet managed to complete the USC program with near-perfect attendance and an "A" average."



PREPARING TO PHOTOGRAPH radar weather observations for a weather documentation is Capt. Carl A. Stoll, chief forecaster with Detachment 5, 30th Weather Squadron, Pleiku AB, Republic of Vietnam. (U. S. Air Force photo)

AWS tabs 33 weathermen for SEA tour, 54 airmen scheduled for other countries

Hq. AWS -- Air Weather Service personnel officials have selected 87 enlisted men for September 1970 overseas assignments.

Of those selected, 33 are slated for South Vietnam while 16 others are headed for Thailand.

CMSgt. Curtis M. Lord	Germany
MSgt. Joseph H. Black	Greece
MSgt. L. L. Argabright	South Vietnam
MSgt. R. L. Brocksmith	Hawaii
MSgt. Hamlin A. Collins	South Vietnam
MSgt. Jack R. Floodas	South Vietnam
MSgt. A. O. Moreau	Thailand
MSgt. Elliot D. Park	Japan
MSgt. O. E. Samuelson	Germany
MSgt. Joe T. Speaks	Germany
MSgt. R. L. Stolarski	South Vietnam
MSgt. Alvin G. Wiens	Germany
TSgt. Daniel A. Aders	South Vietnam
TSgt. E. W. Bunyea	South Korea
TSgt. Charles C. Ennis	Japan
TSgt. R. J. Fraser	Japan

TSgt. R. L. Gunderson	South Korea
TSgt. T. D. Higgins	Japan
TSgt. John S. Sevy	Thailand
TSgt. Jack A. Widner	Japan
SSgt. James H. Adair	Thailand
SSgt. Gary W. Barrows	South Vietnam
SSgt. E. G. Benedetti	South Vietnam
SSgt. W. E. Bennett Jr.	Japan
SSgt. James S. Borman	Thailand
SSgt. J. T. Chadwick	South Vietnam
SSgt. David L. Clos	South Vietnam
SSgt. Jerry D. Farley	Philippines
SSgt. E. B. Funk	Philippines
SSgt. P. E. Hargrove	South Vietnam
SSgt. B. J. Jarrett	United Kingdom
SSgt. G. J. Kuipers	South Vietnam
SSgt. S. W. Ludwig	South Vietnam
SSgt. M. T. McFarland	South Vietnam
SSgt. J. C. Petticord	Philippines
SSgt. Calvin E. Prescott	Philippines
SSgt. Raymond K. Ross	Thailand
SSgt. Jerry C. Sides	South Vietnam
SSgt. W. F. Skelton Jr.	South Korea
Sgt. B. J. Brown	Thailand
Sgt. John M. Berish	Thailand
Sgt. Daniel R. Bullock	South Korea

Sgt. E. T. Calbert	Japan
Sgt. Ricardo Cavazos	United Kingdom
Sgt. J. Christenson	South Vietnam
Sgt. H. R. Dahl	Philippines
Sgt. G. R. Dingmon	Thailand
Sgt. H. M. Etling Jr.	Thailand
Sgt. M. J. Fletcher	United Kingdom
Sgt. John M. Harvey	South Vietnam
Sgt. Byron K. Hinton	Thailand
Sgt. Randall W. Jones	Japan
Sgt. E. W. Lachowicz	South Vietnam
Sgt. G. P. Lewis	Thailand
Sgt. A. P. Maloney	South Vietnam
Sgt. H. T. McBeath	South Vietnam
Sgt. A. G. Norton	Thailand
Sgt. P. J. Novak	Thailand
Sgt. T. J. Paradiso	Thailand
Sgt. E. W. Reuter Jr.	Giam
Sgt. D. C. Reynolds	South Vietnam
Sgt. Fred E. Simpson	South Korea
Sgt. R. C. Snyder	South Vietnam
Sgt. J. S. Taylor Jr.	South Vietnam
Sgt. D. L. Vanzwoll	South Vietnam
Sgt. P. Wheat Jr.	Spain
Sgt. J. M. Willson	United Kingdom
Sgt. D. M. Weimer	South Vietnam
A1C J. M. Brodie	Guam
A1C J. R. Carlson	Thailand
A1C D. R. Davis	South Vietnam
A1C T. P. Dienst	Germany
A1C Jose J. Elias	South Vietnam
A1C J. G. Horner	South Vietnam
A1C J. G. Ingalls	Thailand
A1C C. L. N. Knighton	South Korea
A1C W. J. Lang Jr.	Thailand
A1C J. J. McCarthy	South Korea
A1C B. J. McLaughlin	Okinawa
A1C R. L. McMillen	South Korea
A1C T. M. Morgan Jr.	South Vietnam
A1C L. L. Smith	United Kingdom
A1C R. B. Stutler	South Vietnam
A1C D. E. Tillman	Okinawa
A1C G. R. Weinberg	South Vietnam
A1C A. Whitehurst	South Vietnam



STAKING CLAIM to the most Airman Education and Commissioning Program graduates in AWS is Detachment 23, 6th Weather Wing, Kirtland AFB, N.M. The detachment has four such graduates assigned as weather forecasters. They are: (left to right) 1st Lt. John W. Stryker, 2nd Lt. William O. Eisenhower, Capt. Fred R. Sanders and 2nd Lt. Robert D. Varitz. (U.S. Air Force photo)

Returning to civilian life? Become an AWS reservist

Hq. AWS--If you're nearing discharge and can use a second income after you get out, then the Air Weather Service Reserve Program needs you.

More than 300 vacancies exist in this program for weather forecasters, observers, main-

tenance repairmen and administrative people. The best manning resources available to fill these vacancies are weather trained personnel about to be discharged.

Separating airmen selecting the AWS reserve program after discharge will be allowed to train at a weather facility nearest their hometown.

All reserve enlistees are required to complete one day's training per month. For this day's training two day's wages is paid. Personnel participating in annual 14 or 15 day tours of active duty are also eligible for full pay and allowances, per diem, travel pay, and base exchange and commissary privileges.

As an AWS reservist you are able to maintain proficiency in your career field. Additionally, you will be eligible for promotion in the reserve force.

Airmen should review paragraph 11-9, Air Force Manual 35-3 for instructions relative to voluntary assignments in the Air Force Reserve.

Why not supplement your income and at the same time complete your military reserve obligation by joining an AWS reserve unit after discharge.

Major's daughter in Who's Who book

SHAW AFB, S.C. -- Jane A. Marshall, daughter of Maj. and Mrs. Joe B. Marshall Jr., was recently selected to the 1970-71 edition of Who's Who Among Students in American Universities and Colleges.

Jane, now a junior at Millikin University in Decatur, Ill., was recognized for this honor on the basis of scholarship and participation and leadership in academic and extra-curricular activities.

Miss Marshall is the editor of the Millikin University school newspaper and was awarded the Pi Mu Theta scholarship scroll for the sophomore woman with the highest grade point average.

Major Marshall is assigned to the 3rd Weather Squadron, here.



WHILE VISITING HIS FATHER, Col. Ralph P. Corbell, vice commander, 5th Weather Wing, Langley AFB, Va., newly commissioned 2nd Lt. Phil Corbell signed up for a U. S. Savings Bond and helped the 5th Wing headquarters achieve a 78 per cent participation rate, which qualified the unit for a U. S. Treasury Department citation. Showing his son Phil where to sign his name is Colonel Corbell, while at left is 2nd Lt. Barry W. Senita, 5th WWG, Savings Bond Officer. (U.S. Air Force photo)

Typhoon Chaser joins Lockheed 1,000 hour club

ANDERSEN AFB, Guam -- Capt. Thomas E. Burch, 54th Weather Reconnaissance Squadron here was recently enrolled in the Lockheed Aircraft Company C-130 Hercules 1,000 Hour Club by Col. Carl E. Gunderson Jr., commander 54th WRS.

Captain Burch, a WC-130 navigator, qualified for membership in the club after logging more than 1,000 hours in the aircraft while assigned to the 54th.

AWS weather forecasters list 12 countries as areas of preference

Hq. AWS -- June's overseas volunteer list is devoted to the weather forecaster 253X0 career field. The top two volunteers in each NCO grade are listed according to their country of preference.

Alaska
SSgt. Billy D. Longgear
SSgt. Alvin G. Foster
TSgt. Norman C. Smith
TSgt. Price J. Oswald
MSgt. Freeman W. Stickney
MSgt. Richard C. Kregar
SMSgt. William E. Pittman

England
SSgt. Gerhard Krausser
SSgt. Ronald F. Prezio
TSgt. Gayle J. Fennor
TSgt. John W. Scanlon
MSgt. Harold C. Hoffman
MSgt. Ralph Wheeler
SMSgt. Larry J. Buras

Germany
SSgt. Gerhard Krausser
SSgt. David A. Fortier

TSgt. Creighton L. Bryant
TSgt. Gayle J. Fennor
MSgt. Michael J. Boblenski
MSgt. Harold C. Hoffman
SMSgt. Carl I. Brasington
SMSgt. Joe R. Foster
CMSgt. William E. Combs
CMSgt. James R. Smith

Greece
TSgt. Donald K. Schmoeckel
TSgt. Leland K. Maier
MSgt. Michael J. Roblenski
MSgt. Kenneth R. Rainey

Hawaii
TSgt. Leonard R. Whitcomb
TSgt. John Fix
MSgt. Jerome A. Schmitz
MSgt. Charles L. Brenton
SMSgt. Elmer Lyons
CMSgt. William E. Combs

Italy
SSgt. James A. Baldock
SSgt. David A. Fortier
TSgt. Dwayne N. Burgess
TSgt. Creighton L. Bryant
MSgt. Robert M. Rubendall

Japan
SSgt. Bruce S. Campbell
SSgt. John E. Brady
TSgt. Dwayne N. Burgess
MSgt. Ernest A. Robertson

Puerto Rico
SSgt. Robert W. Collins
TSgt. Charles W. Spears
TSgt. Thomas E. White
MSgt. Richard C. Kregar
MSgt. Charles L. Brenton

Spain
SSgt. James A. Baldock

SSgt. Theodore A. Lippnick
TSgt. Jerome D. Gowan
TSgt. George Montgomery
MSgt. Troy Carlisle
SMSgt. William E. Pittman
SMSgt. Joe R. Foster
CMSgt. Emidie J. Mazzella

Taiwan
TSgt. Ronald L. Rygh
TSgt. Thomas R. Lindley
MSgt. Kenneth M. Lawrence

Thailand
SSgt. Bernard F. Milligan
TSgt. Thomas P. Sinclair
TSgt. Richard N. Woolley

Vietnam
SSgt. Robert E. Stabesfki
TSgt. Robert L. Walsh
SMSgt. Carl I. Brasington

AWS exceeds USAF, MAC in first term retention rate

Hq. AWS -- Nearly one of every three first term airmen eligible for reenlistment in Air Weather Service has signed up for an additional four years. Over the first 10 months of fiscal year 1970 (July 1, 1969 through April 30, 1970) AWS has accumulated a 32.1 per cent first term reenlistment rate.

The 32.1 per cent re-up rate exceeds the Military Airlift Command and Air Force first term re-up rates by 12.1 and 16.6 per cent, respectively.

The command also exceeded MAC and Air Force in second term reenlistments as well. AWS signed up 71.4 per cent of its second termers, compared to 63.1 per cent for MAC and 64.9 per cent at Air Force level.

Career retention was 1.7 per cent below Air Force levels, while AWS exceeded MAC standards 94.2 to 93.1.

The 5th Weather Wing, with a 57 per cent first term retention rate, far exceeded all other MAC organizations in that category.

Of the 823 first term airmen in AWS scheduled for discharge during the first nine months of the reporting period, 245 reenlisted.

AWS kept 98 of its 144 second termers up for discharge. Only six of the 46 airmen refusing reenlistment were not eligible to re-up.

In the career force, 493 airmen reenlisted of the 526 airmen eligible.

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

Next month's Observer will highlight the weather observer career field, 252X1.

Awards and decorations

Legion of Merit

Col. Thomas J. Arbogast, (First Oak Leaf Cluster), 2nd WWg.
Col. W. B. Willis, 15th WSq.

Distinguished Flying Cross

Maj. Merwin E. Richards, Det. 34, 3rd WSq.

Bronze Star

Lt. Col. Kenneth G. Bauer, Det. 25, 10th WSq.
Maj. James E. Miller, Det. 12, 10th WSq.
Capt. William L. Chase, 1st WGp.
Capt. James G. Bortolotto, Det. 15, 10th WSq.
Capt. Nicholas Stchur, 10th WSq.
SMSgt. Robert G. Holloway, 10th WSq.
MSgt. Lee H. Cotton, Det. 31, 5th WSq.
MSgt. Tommy J. Coughlin, 1st WGp.
TSgt. Colonel W. Thompson Jr., Det. 15, 10th WSq.
SSgt. David D. Bryant, 1st WGp.

Meritorious Service Medal

Col. Ralph P. Corbell, Hq. AWS.
Col. George D. Thurman, 53rd WRSq.
Col. George A. Williamson, Hq. AWS.
Lt. Col. Salvatore R. Lemole, Hq. AWS.
CWO James E. Jefferson, 7th WWg.
CMSgt. William M. Gardner, Hq. AWS.

Births

SMITH, Capt. and Mrs. James R., a son, James Michael. Father is commander of Detachment 5, 16th Weather Squadron, Ft. Knox, Ky.

BERGMAN, 1st Lt. and Mrs. Donald J., a son, Eric Stephen. Father assigned to Det. 14, 16th WSq., Ft. Hood, Tex.

ZIMMERMAN, 1st Lt. and Mrs. Michael J., a daughter, Cathleen Lyn. Father assigned to Det. 14, 26th WSq., Blytheville AFB, Ark.

BARTH, SSgt. and Mrs. Darrel E., a son, Douglas Earl. Father assigned to Det. 10, 26th WSq., Westover AFB, Mass.

BOTTIM, SSgt. and Mrs. Wayne S., a girl, Michelle Lee. Father assigned to Det. 31, 25th WSq., Nellis AFB, Nev.

CLARKE, SSgt. and Mrs. James D., a son, James Jr. Father assigned to Det. 38, 7th Wg., Robins AFB, Ga.

MICIK, SSgt. and Mrs. Joseph G. Jr., a daughter, Laura Jeanette. Father assigned to Det. 8, 17th WSq., McClellan AFB, Calif.

PITTMAN, SSgt. and Mrs. Robert P., a daughter, Lynn Theresa. Father assigned to Det. 11, 20th WSq., Itazuke AB, Japan.

WILKINSON, SSgt. and Mrs. John W., a daughter, Kay. Father assigned to Det. 38, 7th WWg., Robins AFB, Ga.

HAUSELT, Sgt. and Mrs. John L., a son, John Arthur. Assigned to Det. 12, 7th WSq., Finthen Army Airfield, Germany.

MARTINEZ, Sgt. and Mrs. Robert P., a son, Matthew Robert. Father assigned to Det. 8, 17th WSq., McClellan AFB, Calif.

WEASKUS, Sgt. and Mrs. Reginald, a daughter, Jeanette Lynne. Father assigned to Det. 8, 17th WSq., McClellan AFB, Calif.

JEFFUS, Capt. and Mrs. Robert E., a daughter, Laura Michele. Father assigned to Det. 40, 28th WSq., High Wycombe AS, England.

BURKE, 2nd Lt. and Mrs. William E., a daughter, Catherine Casper. Father assigned to Det. 4, 4th WWg., McChord AFB, Wash.

Air Medal

Lt. Col. Paul F. Pulse II, (Second through eighth Oak Leaf Cluster) Hq. AWS.

Joint Service Commendation Medal

1st Lt. William A. McConnell, 1st WSq.

Air Force Commendation Medal

Col. Malcolm E. Gosdin, (First Oak Leaf Cluster), Hq. PACAF.
Lt. Col. Michael A. Cvengros, (First Oak Leaf Cluster), Det. 2, 31st WSq.
Lt. Col. Harry N. Fields, (First Oak Leaf Cluster), 54th WRSq.
Lt. Col. Lewis B. Senter, (Second Oak Leaf Cluster), 54th WRSq.
Lt. Col. Cary D. Stephenson, (Second Oak Leaf Cluster), Hq. AWS.
Maj. Arnold R. Baum, 2nd WWg.
Maj. John E. Buchanan, Det. 1, 20th WSq.
Maj. Jack L. Buckingham, Palchua Observatory.
Maj. John H. Haneklau, 7th WWg.
Maj. Laurence N. Johnson, MOL Systems Office.

Maj. Robert A. Newhall, (First Oak Leaf Cluster), Det. 26, 31st WSq.
Maj. Jack N. Reed, (Second Oak Leaf Cluster), 7th WWg.
Maj. Evert A. Schmidt, (First Oak Leaf Cluster), Hq. AWS.

Maj. Joseph R. Zimmerlee, Hq. PACAF.
Capt. Jerry E. Albrecht, 26th WSq.
Capt. David W. Anderson, Det. 3, 30th WSq.

Capt. Melvin W. Burns, (First Oak Leaf Cluster), 58th WRSq.
Capt. John H. Burt, 56th WRSq.
Capt. Wilson Castillo, Det. 9, 30th WSq.

Capt. Robert E. Dettling, (First Oak Leaf Cluster), Det. 30, 6th WWg.
Capt. Edwin C. Dobkowski, Det. 30, 6th WWg.
Capt. Sheppard L. Hayman, 58th WRSq.

Capt. Stephen J. Geartz, 5th WWg.
Capt. Scott P. Higgins, Det. 18, 30th WSq.
Capt. Richard F. Himebrook, Det. 3, 30th WSq.

Capt. Thomas T. Katonak, Det. 1, 26th WSq.
Capt. Frank J. Luciani, (First Oak Leaf Cluster), 1st WWg.
Capt. Richard J. Lusk, 2nd WWg.

Capt. James M. Meyer, Det. 23, 30th WSq.
Capt. Glenn E. Rasch, Det. 9, 30th WSq.
Capt. John W. Raymond, 58th WRSq.

Capt. Margaret M. Roberts, Det. 2, 30th WSq.
Capt. Donald A. Sabo, Hq. AWS.
Capt. Roger J. Sanders, (First Oak Leaf Cluster), 4th WWg.

Capt. Donald L. Washington, (First Oak Leaf Cluster), Det. 1, 20th WSq.
1st Lt. Kenneth G. G. Vetter, Det. 4, 26th WSq.

CWO Freeman R. Smith, (First Oak Leaf Cluster), 456th Strategic Aerospace Wing.

CMSgt. Robert W. Fuhrman, (First Oak Leaf Cluster), Det. 2, 1st WWg.

CMSgt. Gilbert Roth, (First Oak Leaf Cluster), 1st WWg.
SMSgt. Richard F. Boyle, (First Oak Leaf Cluster), 7th WWg.
SMSgt. George R. Crabtree, Det. 2, 3rd WWg.

SMSgt. Donovan M. Fuhrman, 2nd WWg.
SMSgt. August A. Hanson Jr., (First Oak Leaf Cluster), Det. 11, 6th WWg.
SMSgt. Adam L. Hauck, (First Oak Leaf Cluster), Det. 1, 9th WSq.

SMSgt. Blake A. Jenkins, Hq. AWS.
SMSgt. Daniel J. Mele, (First Oak Leaf Cluster), 26th WSq.
SMSgt. Jack B. Weber, (First Oak Leaf Cluster), 58th WRSq.

SMSgt. Jack W. Williams, 2nd WWg.
MSgt. Anthony J. Berutti, Det. 11, 4th WWg.
MSgt. Dickson W. Coleman Jr., Det. 6, 15th WSq.

MSgt. James E. Criner, Det. 5, 9th WRWg.
MSgt. Gerald E. Daugherty, (First Oak Leaf Cluster), Det. 1, 20th WSq.
MSgt. William E. Jennings, Det. 36, 30th WSq.

MSgt. Donald R. Jones, Det. 13, 16th WSq.
MSgt. George M. Lacroix, 31st WSq.
MSgt. Charles B. Lambert, (Second Oak Leaf Cluster), Det. 30, 6th WWg.

MSgt. Jimmy F. Pitts, (First Oak Leaf Cluster), Hq. AWS.
MSgt. Charles W. Priest, Det. 23, 30th WSq.
MSgt. Wallace H. Riley, (First Oak Leaf Cluster), 5th WWg.

MSgt. Sylvester E. Walker, Det. 44, 7th WWg.
TSgt. Doyle W. Beck, 1st WWg.
TSgt. Donald L. Bronson, 10th WSq.

TSgt. Robert W. Curran, Det. 3, 4th WWg.
TSgt. Roy E. Dakin, Det. 34, 1st WGp.
TSgt. William H. David, 54th WRSq.

TSgt. Thomas E. Davis, OL-1, Det. 4, 21st WSq.
TSgt. Edward L. Dean, Det. 11, 5th WSq.
TSgt. Kenneth M. Ford Jr., Det. 36, 25th WSq.

TSgt. James E. Gambrell, Det. 16, 10th WSq.
TSgt. John M. Hudock Jr., Det. 11, 20th WSq.
TSgt. Lavern D. Kauer, 55th WRSq.

TSgt. William B. Kist Jr., Det. 2, 30th WSq.
TSgt. Cletus H. Lane, Det. 16, 10th WSq.
TSgt. Vernal E. Nichols, 54th WRSq.

TSgt. Orrine C. Olson, Hq. AWS.
TSgt. Julian O. Sandoval, Det. 6, 5th WWg.
TSgt. Morris J. Siebert, 54th WRSq.

TSgt. Alan C. Snider, Det. 19, 26th WSq.
TSgt. Stillman W. Slason, Det. 14, 31st WSq.

ON THE skew-T AWS Global Report

Highlights of Air Weather Service people at work and play

Upper Heyford RAF Station, England

SSgt. John C. Haley, Detachment 17, 28th Weather Squadron, was recently cited by the 3345th Technical School, Chantute AFB, Ill., for his outstanding academic record in the weather technician course.

Fort Wolters

SSgt. Winsor Alston and SSgt. Paul F. Mooney, Detachment 20, 16th Weather Squadron, have been awarded certificates of achievement from the U. S. Army primary helicopter School.

Offutt AFB, Neb.

Bruce Gulliver, the son of Arthur Gulliver, chief of aerospace sciences, Air Force Global Weather Central, has been named as one of 400 students selected from 1,400 nominees for summer intern positions with the government in Washington, D.C.

An honors graduate in economics from Hastings College, Hastings, Neb., Bruce was also selected for a National Defense Act fellowship for three years graduate study.

Ent AFB, Colo.

Sgt. Carl J. Pastuszynski and A1C Henry H. Vanes, Detachment 1, 4th Weather Wing, have been named the first winners of the 4th WWg Room-of-the-Month Award.

For winning the contest, Pastuszynski and Vanes were granted three day passes, color portraits of themselves and certificates designating theirs as the room of the month.

Andersen AFB, Guam

First Lieutenant David L. Westin, administrative officer for the 54th Weather Reconnaissance Squadron has been elected president of the Andersen AFB Junior Officer Council.

Master Sergeant Jackie M. Boddy, NCOIC Maintenance Control, 54th Weather Reconnaissance Squadron was recently awarded an Air Force cost reduction certificate of achievement for his improvements in the area of teletype management, which resulted in a cost reduction of \$800.

SSgt. Donald L. Harshbarger, 54th Weather Reconnaissance Squadron, has been inducted into the Lockheed C-130 Hercules 1,000 hour club.

First Lieutenant Alan M. Mitchell, 54th Weather Reconnaissance Squadron, has been presented a certificate from the National Aeronautics and Space Administration for his support activities in conjunction with the Apollo 12 moon shot.

Shaw AFB, S. C.

Col. Walton L. Hogan Sr., commander, 3rd Weather Squadron, recently commissioned his son John C. a second lieutenant in the U. S. Army.

Upon graduation from the University of Arkansas, Lieutenant Hogan received a four-year deferment from active duty, and a scholarship to obtain his doctor's degree from the University of New Mexico in nuclear chemistry.

Washington, D. C.

The USAF Environmental Technical Applications Center has begun using WAF to run its computers. Airmen First Class Linda S. Haber and Annie B. Davis were the first assigned to the computer operations branch and shortly thereafter A1C Susan M. Anderson joined them.

Hahn AB, Germany

Detachment 14, 31st Weather Squadron was a recent winner of the Military Airlift Command Blue PRIDE award for its support to Project Cold Crystal.

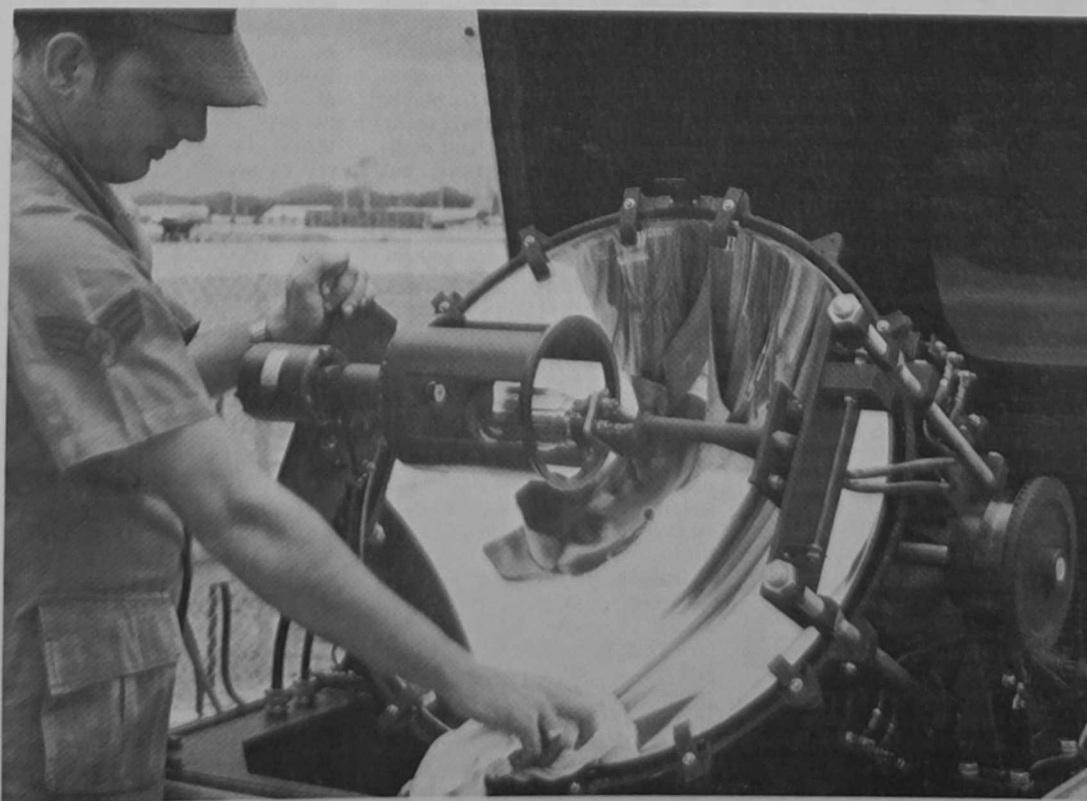
Marriages

ITAZUKE AB, Japan -- Capt. Robert W. Bain and Miss Patricia K. J. Zane of Honolulu, were recently married at the American Embassy in Tokyo.

Captain Bain is a weather officer with Detachment 11, 20th Weather Squadron, here.

Ft. Ritchie, Md. -- Sgt. Samuel R. Ogden IV and Miss Barbara E. Browning of Harpers Ferry, W. Va., were recently married in Shepherdstown, Md.

Sergeant Ogden is a weather observer with Det. 29, 6th Weather Wing, here.



CLEANING THE MIRROR on the projector of the rotating beam ceilometer is Sgt. Derwin J. Lopez, Detachment 30, 10th Weather Squadron, U-Tapao Airfield, Thailand. Because of the monsoon and other weather extremes, preventive maintenance such as this is required on a daily basis to maintain the equipment in satisfactory condition. (U.S. Air Force photo)

SPORTS

FRONT



What it was, was volleyball

You can count this month's sports items on one hand and still have enough fingers left over to salute a Boy Scout.

Volleyball again, this time at Chanute AFB, Ill. There, the 3363rd Instructor Squadron, miraculously manned by meteorological mentors, triumphed in intramural play by whupping the students in two straight games. That victory was the fourth straight match they had won.

Out on a limb

In the best Observer tradition of bringing the reader the finest in sports, we will hazard some guesses in that most unpredictable of arenas -- professional baseball. This is how it looks to us.

National League

In the National League West, the Big Red Machine from Cincinnati seems to be intent on running away from the opposition. The way the Reds are hitting, the team's equipment manager must spend all his time putting the covers back on the balls. A distant 10 games back of the Reds comes the Los Angeles Dodgers, erratic as ever.

If their pitching holds up, look for the Reds to wrap it up by early September, getting lots of preparation for the playoffs.

In the National East, it's a little closer. The Mets and the Pirates are making a race of it, the Pirates perennial contenders, the Mets ambitious Johnnies-come-lately. Fired up after their world championship last year, the Mets have reached mid-season in first place. Look for the Pirates to surge in the late going, coming on to take the Mets in a tight race.

It'll be Cincinnati and Pittsburgh in the National League finals. Both teams are explosive, with Cincinnati having a definite edge in hitting. Defensively, the Pirates excel as always. Look for the battering of Bench, Perez, Tolan, Carbo and Rose to beat the Pirates in four games and go to the Series.

American League

For awhile, it looked like Baltimore was going to follow Cincy's example and run off and hide with the American League East title. Then Detroit and New York found out they still knew how to win and things have gotten tighter. It's still going to be Baltimore, with the Yankees squeezing out the Tigers as the top also-ran.

Minnesota thought its competition would come from the Oakland Athletics in the American West. Surprisingly, the California Angels have stuck right to Minnesota's heels, with Oakland third. But the Angels' staying power is doubtful and Oakland acts as if its miniscule home crowds are affecting its play. Minnesota will take the division championship for the second straight year.

The league championship has to be a toss-up. Unfortunately, Minnesota rarely learns from its mistakes. The Orioles to take the Twins again this year in the five games.

World Series

Look for a good, hard fought World Series. Both teams will be up; Baltimore because of last year's humiliation by the Mets, Cincy because they're Cincy. Vengeance will triumph. Baltimore in seven.



A WASTE CAN full of green dollar bills would hardly be considered trash to two weather observers who reenlisted and split the contents of the can (\$4,296 each) between them. Reenlisting were Sergeants Michael Visnaw (left) and Donny Weaver, both assigned to Detachment 6, 5th Weather Wing, Albrook AFB, Canal Zone. Lt. Col. Clarence C. Hardin (center), Det. 6 commander, was swearing-in officer. (U.S. Air Force photo)



COMING DOWN THE HOMESTRETCH are (left to right) George, Nora and Michael Carter, as their father, TSgt. George L. Carter of the 58th Weather Reconnaissance Squadron, mans the stop-

watch. All three young Carters are accomplished athletes, holding numerous state and national track records among them for their age groups. (U. S. Air Force photo)

Carter boys, girl running up sprint records on New Mexico track fields

KIRTLAND AFB, N.M. -- Three kids in an AWS NCO's family can run circles around their parents -- and just about anyone else, too.

TSgt. George L. Carter, a dock chief assigned to the aircraft inspection branch of the 58th Weather Reconnaissance Squadron, Kirtland AFB, N.M., and his wife, Evelyn, a nurse, have good reason to be more than proud of their family.

Three of their five children hold impressive track records and at least one has an eye on the Olympics.

George Jr., 16, who just graduated from Madison Junior High School, was voted the most outstanding athlete in the school. He holds the school's records for discus, broad jump and two relay races.

As a halfback for the football team, he averaged three touchdowns per game and also played on the school basketball team.

Nora, 14, who has just completed the eighth grade, has been running with the Albuquerque Olympettes for two and a

half years, and has a good chance of making the 1972 Olympics team.

For her age group, she holds state records in the 50 and 100-yard dash, and the 50-yard hurdles. Nationally, she is one of four girls with the top time for the 880-yard relay. She also holds second-place national records for the 50-yard dash and the women's pentathlon.

Michael, 11, a student at Aztec Elementary School, holds state records for his age group in the 50, 100 and 220-yard dashes. He is rated second nationally in the 220-yard dash and third for the 50-yard dash. Sergeant Carter thinks Michael has even more potential than either George Jr., or Nora.

A former high school football, basketball and track star from Harrisburg, Pa., Sergeant Carter feels strongly that parents should take more interest in their children and try to develop their potential.

He doesn't believe in pushing them into athletics. His oldest

daughter, Glenda, is more interested in interior decorating than sports and will be entering the University of New Mexico in the fall.

"Kids can't burn out physically, but they can mentally," he says. "Don't push them into sports. All kids, even those good in sports, have to play in the mud and make kites like other kids. If you push them, it'll do more harm than good."

SPORTS QUIZ

1. Name the winner of the Indianapolis 500 this year?
2. Who was the last pitcher to win 20 games for a last place team?
3. Who was the last amateur to win the U.S. Open?
4. Who was the youngest player to win the American League batting championship?
5. Have brothers ever reached the Baseball Hall of Fame?
6. What is the record score for the U.S. Open?
7. Many fans consider Joe DiMaggio's 56 game hitting streak in 1941 to be the greatest batting feat of baseball. What was his average, his RBIs and home runs during that period?
8. Who is the commissioner of professional football?
9. What is the standard height of a pitching mound?
10. What pitcher has given up the most lifetime home runs?

ANSWERS

1. Al Unser.
2. Ned Garver, St. Louis Browns, 1961.
3. John Goodman, 1933.
4. Al Kaline, Detroit Tigers, at age 20.
5. Yes, Paul and Lloyd Waner.
6. 275, held by Jack Nicklaus.
7. Average: .408, RBIs: 55, (1968).
8. Pete Rozelle.
9. Ten inches, lowered from 15 inches in 1968.
10. Robin Roberts, 502.

Ethiopia APT station closes, last unit on dark continent

ASMARA, Ethiopia -- Air Weather Service's only weather unit in Ethiopia and the last one in Africa was officially deactivated last month after nearly four years of continuous service.

Operating Location 2, 21st Weather Squadron, an Automatic Picture Transmission (APT) Station, here, was activated as OL-5, 7th Weather Wing at Kagnew Army Station, in July 1966.

The unit was activated to support an aerial survey team which was photomapping a large area in and near Ethiopia. Invaluable cloud information was provided the team for this area where ground weather stations are widely separated.

In January 1967 the unit took its present designation and in February 1968 it became a data acquisition and relay station.

Weather satellite photographs of the Indian, African and oceanic areas, available from no other source, were relayed by landline and microwave to Rota, Spain and High Wycombe, England. Air Force and Navy weather centers there used the data in their analyses of weather near the equatorial zone.

During its relatively brief history, satellite information from the unit was called upon several times during manned moon shots when the Indian Ocean was used as an alternate recovery area.