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WATCHING THE WEATHER during the Apollo XIV mission is Lt. Col. Albert E. Devitt Jr. of Detachment 11, 6th Weather Wing, Patrick AFB, Fla. As director of meteorology for Department of Defense manned spacecraft support operations, Colonel Devitt sits at the console in the recovery

operations control room (ROCR) at NASA's Manned Spacecraft Center in Houston. Weather data from ground observing sites, aircraft and ships at sea are received here for use in assisting DOD support during launch and splashdown of Apollo. (NASA Photo. For feature, see pg. 3)

## Tour Assignment Changes announced by AF officials

SCOTT AFB, Ill. — A major policy change in certain permanent-change-of-station (PCS) tour assignments was announced this month by Air Force.

In response to congressional direction to stabilize assignments and cut PCS movement, the Air Force announced the following changes:

The standard overseas tour of 36 months for married accompanied and single personnel will be increased to 48 months. This change will be effective for personnel programmed to return from overseas in July 1971 and thereafter.

Personnel completing overseas or continental U. S. (CONUS) stabilized tours between March 1, 1971 and June 30, 1971 will be encouraged to voluntarily extend up to 12 months, provided the new tour completion date is after July 1, 1971.

Additionally, Congress has placed limitations on PCS funding for the current fiscal year. Air Force has alerted major commands that these steps may become necessary:

### 60 Day Delays

All personnel now serving long overseas tours who are scheduled to return in May and June 1971 could be involuntarily extended for 60 days. Those programmed to depart the CONUS as replacements during May and June 1971 would also be delayed for 60 days.

All members serving unaccompanied overseas short tours returning in June 1971, except those in hostile fire zones, could be invol-

untarily extended until July 1971. Personnel departing the CONUS during June 1971 as replacements would be delayed until July 1971.

Members completing certain CONUS stabilized tours in May and June 1971 would be involuntarily extended for 60 days.

Air Force is seeking programming relief for the remainder of FY 1971 to avoid the necessity of making PCS policy changes which would affect individuals completing tours before July 1971.

The Air Force had earlier taken measures to stabilize assignments through voluntary programs. In November, a policy was announced enabling people completing an overseas tour after July 1971 to voluntarily extend and remain in place up to five years. A year's voluntary extension for stabilized stateside tours was also authorized.

### Base Residency

Effective Dec. 1, 1970, base residency requirements for involuntary CONUS moves were increased from 12 to 18 months for airmen, and from 18 to 24 months for officers.

Though the Air Force is taking the initiative in meeting the intent of Congress by lengthening tours to provide assignment stability, officials are not discounting the impact of the new action which involuntarily extends tours of those already serving overseas. Action to reduce CONUS/overseas moves is essential since 70 percent of Air Force PCS activities are involved in support of U.S. overseas deployments.

In his message to the field, Chief of Staff General John D. Ryan stated, "I recognize that this change will cause disruption of personal plans, personnel rotation schedules, transportation schedules and workloads, and may result in temporary manning shortages or overages." General Ryan also directed commanders at all levels to provide maximum assistance to personnel affected by these actions to avoid personal hardships.

## Weathermen celebrate first gov't forecast

SCOTT AFB, Ill. — As they begin the second century of United States weather services, military weathermen of Air Weather Service this month mark the centennial of the first U.S. government-issued weather forecast to be published in a newspaper.

Issued by the new weather service of the Army Signal Service, then less than a year old, the forecast was carried as follows on page 3 of the Washington, D. C., Evening Star for February 24, 1871:

"Probabilities — It is probable that the storm area will pass into Illinois to-night; and be rapidly elongated so as to include Lake Erie, producing northerly winds and threatening weather to-morrow on the Gulf, fresh northeasterly winds, and perhaps light rains and snow, on the entire Atlantic, with heavy storms on the lakes from the southwest."

# AWS Chief of staff retires this month

SCOTT AFB, Ill. — Col. Arthur W. Anderson, AWS chief of staff, whose career in Air Weather Service spans more than two and a half decades, will retire at the end of this month.

Among his many assignments in AWS were those of commander of 7th Weather Wing and Inspector general. His present tenure as chief of staff began in June 1966. He had previously served in that position from October 1959 through June 1960.

Succeeding Colonel Anderson as chief of staff will be Col. Douglas C. Purdy, AWS deputy chief of staff for operations for the past year.

Interviewed on the eve of his retirement by AWS Historian John F. Fuller, Colonel Anderson made the following comments about what he considers the greatest innovations and advancements

made by the command during his 28 years as a staff weather officer.

He said, "In my opinion, the greatest innovation was the move, back in the late forties and early fifties, to functional support. That made Air Weather Service, because it enabled us to tailor our weather support to the commands we support."

"We established a wing to support the Strategic Air Command, the 3rd Wing, and they became experts in the SAC mission. The same set-up existed in support of the Military Airlift Command, the Tactical Air Command, and the North American Defense Command. To my way of thinking, that was our greatest innovation."

"Prior to this change, we were having difficulty in providing the kind of support that the modern Air Force needed. Functional realignment opened the door for improved, tailored support."

When asked about accomplishments and advancements made, he remarked, "I can think of three or four. I consider the conversion program at the Global Weather Central as one of our greatest accomplishments."

"This had never been done before and it is unbelievable that one service could, almost entirely in-house, convert from an antiquated and very elementary type of computer-programming system to one as sophisticated as we now have."

"Real progress has been made in weather modification, and it certainly deserves recognition. Four years ago, no one would have anticipated that Air Weather Service would have been this far advanced in weather modification. Cold-fog dissipation is a reality. We've had considerable success in cloud seeding and in rainmaking techniques. We've had some success with warm fog, which is the big problem now before us."

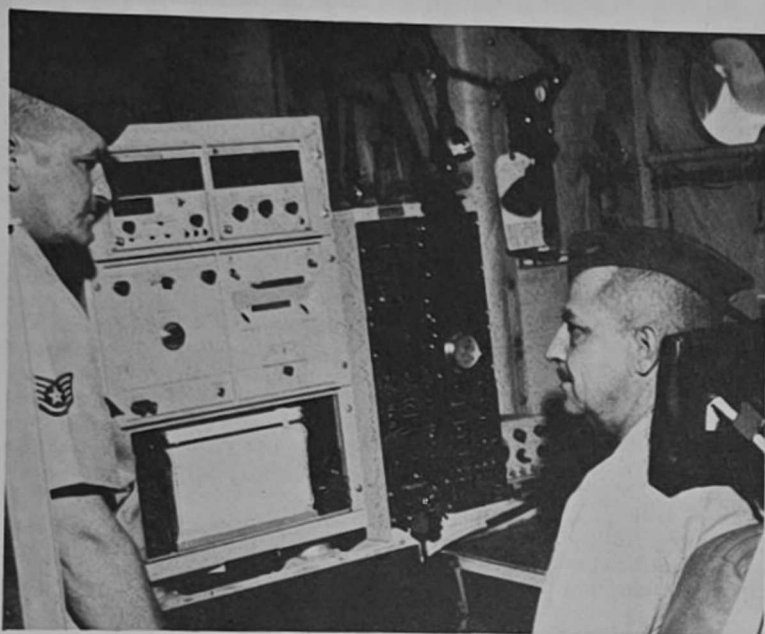
"There have been great ad-

(Cont. on pg. 6, col. 1)



DISCUSSING AIR WEATHER SERVICE with John F. Fuller, AWS historian, is AWS Chief of Staff Col. Arthur W. Anderson, whose career in AWS spans more than 28 years, retires at the end of this month. (U.S. Air Force Photo)

# Aircraft capability upped by extensive modification



SCOTT AFB, Ill. — The last of 16 WC-130B aircraft had its storm and synoptic weather reconnaissance capability upgraded this month under phase one of Project Seek Cloud.

Nine of the newly-instrumented aircraft are presently assigned to the 53rd Weather Reconnaissance Squadron, Ramey AFB, P.R.; three are assigned to the 54th WRSq., Andersen AFB, Guam, and four to the 55th WRSq., McClellan AFB, Calif.

Seek Cloud's phase one modifications include installation of a Sperry Gyroscope AN/APN-42A radar altimeter, AMQ-28 Rosemont temperature system, AMQ-29 dropsonde data recording system and a new weather officer crew position on the flight deck.

The new radar altimeter is more accurate than the present radar altimeter.

Improved resolution is provided by the new temperature data system, helpful in determination of storm parameters.

A new dropsonde dispenser was necessitated by an improved dropsonde, configured differently than the type formerly used.

The new crew position is installed for the aerial reconnaissance weather officer (ARWO) who analyzes and interprets data obtained from the aircraft's sensors. A vantage point on the flight deck improves the ARWO's visual observation capability and enables him to work under more comfortable conditions. He was originally positioned on a bunk on the flight deck without a seat or specially instrumented position.

Phase two of Seek Cloud — which includes installation of a Cambridge dewpoint hygrometer, Barnes sea-surface temperature indicator, strip chart recorder and desk-top calculator — began in December, with modification of all WC-130s scheduled to be completed by September 1971.

The first of six WC-130E models recently underwent both the phase one and two modifications and is now stationed with the 54th WRSq., Andersen AFB, Guam.

All WC-130 modification is completed at Robins AFB, Ga.

## Seat Belts prove safe

by MSgt George C. Donnell

The following are excerpts from two recent private motor vehicle accident reports involving Air Weather Service personnel which highlight the value of seat belts:

### Negative side

All three occupants of the sports car had been drinking; the Air Weather Service sergeant was riding as a passenger. Things went well until another car crossed into their lane on a curve. The driver and passenger of the second vehicle had also been drinking. In the ensuing crash the three occupants of the sports car were thrown out on the roadway.

Their vehicle landed on top of all three. The passenger of the second car was also found with the second vehicle resting on his

head and legs. The driver of the second vehicle remained inside the car, critically injured. The score: four dead, one critically injured. Seat belts were not used.

### Positive Side

Three airmen were traveling on a two-lane highway at a reasonable rate of speed. Without warning, a vehicle ran a stop sign at an intersecting road. The two vehicles collided.

Both vehicles were total wrecks. Two of the airmen escaped without injury. The third

had minor injuries. The driver of the second vehicle was also uninjured. All were wearing seat belts.

AWS safety office has received six validated "seat belt saves" during the past two months. According to the National Safety Council, many lives have been saved by seat belts in crashes above 50 mph and no deaths have been recorded in crashes under 50 mph for persons wearing the lap belt and shoulder harness combination.

## Command Line

Brig. Gen. William H. Best Jr.



In 1968, Air Weather Service was among the first Air Force organizations below major command level to appoint a chief master sergeant to advise the commander on matters of concern to enlisted people. The system has worked effectively for more than two years and our example has been emulated by other commands.

We have been particularly fortunate in having had the services of two extremely well-qualified noncommissioned officers in this post: CMSgt. William M. Gardner and, presently, CMSgt. Martin W. Dwyer. Both have discharged their responsibilities with enthusiasm and dedication.

Since assuming command of AWS last July, I have become increasingly appreciative of the valuable services which the chief master sergeant renders. These services are of two kinds, and I want everyone to understand this clearly.

First, the Chief helps me and my staff administer AWS airmen affairs effectively and responsibly. He learns first-hand what the problems are, suggests solutions and keeps me apprised of issues that concern our large and dedicated enlisted force.

Having served successively in each of the enlisted grades, the Chief master sergeant is uniquely equipped to appreciate the problems of our enlisted members and to translate their concerns into management action when necessary. In so doing, he enjoys my confidence and full support and that of every AWS staff agency. He is privy to all top-level management deliberations which affect the AWS enlisted corps and his advice is actively solicited and freely given.

Second, and equally important, the Chief assists me in turning on the creative energy and ability of our enlisted corps toward enhancing the capability of the total Air Weather Service to better accomplish its mission. Mission accomplishment is the name of the game. Progress depends on all of us, individually and collectively, seeking new ways to do our job better and more economically. History has shown that much of the innovations and advances we made have been due to the creativity and imagination of our airmen. I want this "seeking after improvements" to continue—in truth, it must if we are to overcome the challenge of the 1970s. Remember, we can only get the job done through people!

Of course, the chief master sergeant can be only as effective as you make him. Bear in mind that his function is not to circumnavigate normal command channels. His aim is to furnish you with additional means of conveying your ideas, suggestions, attitudes and opinions to top management. Next time he visits your unit, I encourage you to discuss matters of mutual interest with him. I am sure that an exchange of views will be beneficial to you, personally, and to Air Weather Service as an Air Force organization.



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BRIG. GEN. WILLIAM H. BEST Jr.

Commander, Air Weather Service

CAPT. TERRENCE MAYER, Director of Information

CAPT. RAY A. CROCKETT, Managing Editor

A1C DENNIS KEANE, Editor

## CMSgt. of 5th Wing

CMSGT

**LAWRENCE P. MEDLER**

HEADQUARTERS  
5th WEATHER WING  
LANGLEY AFB, VA.

HOME TOWN, LACKAWANNA, NEW YORK.

A 32-YEAR VETERAN, HAVING ENLISTED IN THE ARMY IN 1939.

SERVING AS THE LINK BETWEEN THE ENLISTED MEN AND THE WING COMMANDER, SERGEANT MEDLER TRAVELS EXTENSIVELY THROUGHOUT THE U.S. AND PANAMA.

OVERSEA ASSIGNMENTS HAVE INCLUDED GERMANY, FRANCE, SCOTLAND, NEWFOUNDLAND, AND HAWAII.

IN HIS SPARE TIME SERGEANT MEDLER TAKES AN ACTIVE ROLE IN CHAPEL ACTIVITIES AND WORKS WITH THE BOY SCOUTS.

COINING: "I HAD A DREAM THAT THE FAIRY GODMOTHER, NOT A GOD, PICKED ME UP UNDER MY PILLOW."

HIS: "THAT ALL!"

SERGEANT MEDLER RESIDES WITH HIS WIFE, MARIE, HIS DAUGHTER, COLLEEN, AND TWIN SONS, KEVIN AND LARRY, AT LANGLEY AFB, VA.

HIS OLDEST SON IS AN AIR FORCE 2nd LT., STATIONED AT HOMESTEAD AFB, FLA.

HOBBIES: STAMPS & COINS.

# An Apollo afternoon

by Capt. John R. Skinner, 6th Weather Wing

The digital counter continued to snap off numbers. The checklists and operational procedures were functioning as previously rehearsed. The setting might have been a control room readying preparations for a nationwide television program. Television monitors displayed maps, radarscopes and a feed from one of the national networks. Consoles with plastic half-red, half-green buttons flashed like rush-hour traffic signals.

At stake were the lives of three space pioneers—Shepard, Roosa and Mitchell. The stage was set, the players were in place and the drama was coursing toward the peak of the first act.

To an observer, it would seem that only a high-powered battery of scriptwriters could have created a story which was to be the weather, and Apollo 14.

A balmy, clear, Chamber of Commerce day was the order of things on Saturday. A possible frontal passage was being closely watched by 9th Weather Reconnaissance Wing aircraft. Detachment 11 of the 6th Weather Wing, responsible for the Cape Kennedy Forecast Center, seemed calm and not unusually busy. NASA officials proceeded with their Herculean tasks in connection with the 36-story-tall Saturn V rocket. The only real signs that the excitement was rising were the hundreds of trailers, campers and tents along the causeway leading to Cape Kennedy.

Sunday morning augured the scenario for the afternoon launch. A layer of thin clouds hinted at possible weather deterioration. The WC-130 and WC-135 aircraft remained in constant contact with the forecasters at the Cape. They flew far-ranging pat-

terns, observing and charting the weather flow.

Storm-seeking radar probed with electronic fingers. What would happen? Would the unpredictable counter the well-laid plans? All the weathermen could do was watch, and wait, and advise.

On the outside, a crowd of perhaps 500,000 was assembling at every possible vantage point. The mood was light. It was almost as if people of all ages were assembling for some kind of technological Woodstock. In no way would the dark clouds approaching from the north affect their congenial mood.

The clouds were still 40 miles to the north at 1400. An observer on a WC-130 reported that the squalls seemed to be forming into a single line. Maj. Gen. David M. Jones, commander of the Air Force Eastern Test Range, had slipped into the room and was being quietly briefed by AWS Capt. Robert Introne, the duty forecaster.

The NASA phone line was in constant use. A steady flow of information was being tabulated, consolidated and correlated. The training and the skills were now to be tested to the maximum extent.

At 1500 only 23 minutes remained until the scheduled departure. Time was in short supply. Decisions were in the process of being made. The Cape Kennedy Forecast Center supervisor, AWS Maj. Fred Fowler, was keeping a constant vigil on the potential electrical activity machine, monitoring the now five-mile-distant clouds.

The needle was slipping towards the negative side of the scale, foretelling the possibility

of lightning. The visiting Air Weather Service commander, Brig. Gen. William H. Best Jr., personally observed the storm radar, now showing the clouds to be close at hand. Then, at 1514 and 58 seconds, the count was held, with 8:02 minutes remaining. A delay was called by the NASA controllers.

The electrical potential needle gradually returned to a zero position. The word was passed, and all that was left was the final count. At 1603 Eastern Standard Time, man-made clouds of thick smoke preceded the brilliant orange flame that trailed the huge skyscraper lifting slowly towards its lunar date. A growing clap of noise, seemingly produced by some mythical giant, followed the fleeing Saturn V.

The curtain had fallen on the first act, and all that was left was the colossal traffic jam of thousands of playgoers headed home so that they wouldn't miss the rest of the drama.

## Computer aides veteran careers

WASHINGTON (AFPS) — The old saying, "It all counts toward retirement," has a new meaning for soon-to-be-retired servicemen and women.

A new computerized program, in effect since mid-1970, attempts to match up veterans' skills learned in 20 or 30 years of service with today's needs in civilian life.

The Referral Program uses the information provided by servicemen to check the area where they intend to retire and see if their skills can be used in a second career, in civilian life.

## Fickle fowl bids farewell

by Sgt. William Crouch

EIELSON AFB, Alaska — Almost everyone has had an experience with a dog that would not stop chasing cars, but the neighbors of an Eielson AFB family had to put up with a winged pursuer last fall.

"Cheeper" was a wild goose, a Lesser Canadian Honker to be exact, who moved in with MSgt. Leonard Gross and his family last summer.

Sergeant Gross is the non-commissioned-officer-in-charge of maintenance for Detachment 2, 11th Weather Squadron, here.

"I don't know where he came from," Sergeant Gross said. "I don't think there were any geese nesting within a quarter mile of the house and he was pretty small to have travelled very far."

When he arrived, Cheeper was a tiny ball of yellow fluff, small enough to hold in one hand. He got his name from the ceaseless cheep with which he announced his presence.

The family fed their newcomer oatmeal at first, and his diet gradually became more diversified. When he grew larger, he began chasing the family's dogs away from their food bowls for a change of diet.

Sergeant Gross's two sons taught Cheeper to do two things which any self-respecting goose must know: to fly and to swim.

The swimming part was easy. When the two boys went for a dip, their feathered friend just followed them in. His wings didn't grow as fast as his feet, however, and he remained a groundpounder for quite some time.

Finally the boys found that they could get him up in the air by running short distances and making him try to follow them.

After he got his wings, Cheeper wanted to follow the family everywhere they went, even in the car. He would fly along side a car moving at 50 miles per hour with his wings barely brushing the side.

Soon any moving vehicle in the area became fair game for a winged escort. Neighbors and visitors became used to Cheeper meeting their cars as they approached the family's home.

The trouble was, Cheeper only wanted to fly on a local flight plan. As winter approached and most Alaskans yearned for an airplane ticket to Miami, he showed no interest in flying south.

The family built their pet a

heated birdhouse, but as it turned out the house wasn't needed. Cheeper disappeared one day. Maybe he finally got frosty feathers and flew south, or maybe his friendly manner got him in trouble with an unfriendly hunter. Either way, the Gross family and its neighbors no longer hear the rustle of wings as they drive by.

## Reductions sought in on-job injuries

WASHINGTON (AFNS)—Air Force has established a goal to reduce on-the-job military and civilian disabling-injuring frequency rates by five per cent this year and by an additional five per cent in 1972 as part of its role in the Federal Safety Council's Zero In program.

All elements of the Federal Government are participating in the program which replaces Mission Safety-70. The Zero In concept centers on the selection of specific targets for attention during the life of the two-year program.

Air Force will also seek to reduce on-the-job disabling injury-



FLYING WITHIN FEET of the Gross family's car window is the family pet, Cheeper. The goose followed the family wherever they went.

producing accidents per 100 employees by five percent this year and by an additional five percent in 1972. These are injury-producing accidents as distinguished from accidents resulting solely in property damage. For purposes of the campaign, 1969 will be used as the base point for calculating this year's goal and 1970 for the 1972 goal.

In announcing the program last year, President Nixon reported that Mission Safety-70 was credited with averting more than 22,000 disabling injuries among Federal employees since 1964.

"Mission Safety-70 provided a broad, overall approach to Federal work safety," the President said. "Now we need a specific approach."

He cited handling material as the cause for more than 25 percent of the Federal injuries. Slips and falls accounted for another 20 percent.

"Whether the agency's chief problems stem from these or other causes, it is evident that job injuries can be prevented only where they occur—by the agency at the place of work. Tested techniques exist to prevent them," the President said.



SIGNING FOR THREE MORE is TSgt. Reese J. Wardell, weather forecaster for Detachment 6, 16th Weather Squadron, Fort Lewis, Wash. The 18-year veteran lost his right leg during a mortar attack in Vietnam. (U.S. Air Force Photo)

## One-leg no issue to AWS forecaster

FORT LEWIS, Wash.—It's all a matter of what you want and just how much you want it. And in the case of TSgt. Reese J. Wardell, weather forecaster at Gray Army Airfield, staying in the service meant quite a bit. Despite the loss of his right foot during a mortar attack in Vietnam in 1968, Sergeant Wardell was determined to remain on active duty.

The Air Force recently permitted the 18-year veteran to reenlist for another three years. He was sworn in by his detachment commander, Capt. Richard J. Arbes.

Sergeant Wardell, who lives with his wife Gaylene and four daughters in Tacoma, is presently on limited assignment status near Madigan Hospital because of his foot.

## 13 Births in AWS

SHUTTLEWORTH, SSgt. and Mrs. Philip B., a daughter. Father assigned to Det. 10, 16th WSq, Ft. Benning, Ga.

BRUBAKER, SSgt. and Mrs. Peter P., a son. Father assigned to Det. 13, 15th WSq, Robins AFB, Ga.

LERUM, SSgt. and Mrs. Dale E., a son. Father assigned to Det. 2, 11th WSq, Eielson AFB, Alaska.

KEMFORT, SSgt. and Mrs. George E., Jr., a daughter. Father assigned to Det. 13, 15th WSq, Robins AFB, Ga.

PARKS, MSgt. and Mrs. George D., a son. Father assigned to Air Force Global Weather Central, Offutt AFB, Nebr.

TALVY, SSgt. and Mrs. Roben M., a son. Father assigned to Det. 13, 20th WSq, Misawa AB, Japan.

HAWK, Capt. and Mrs. John D., a daughter. Father assigned to Det. 28, 25th WSq, Ellington AFB, Tex.

PERL, TSgt. Wolfgang and Hannelore, a son. Father assigned to 7th WSq, Army Flight Support Center, Heidelberg Army Airfield, Germany.

O'CONNELL, A1C and Mrs. Daniel, a son. Father assigned to 7th WSq, Army Flight Support Center, Heidelberg Army Airfield, Germany.

WARREN, 1st Lt. and Mrs. Jimmy D., a son. Father assigned to Det. 9, 15th WSq, Maxwell AFB, Ala.

AMELING, Sgt. and Mrs. William M., a daughter. Father assigned to Det. 36, 25th WSq, Mt. Home AFB, Idaho.

WORLEY, 2nd Lt. and Mrs. Chandler P., a daughter. Father assigned to Det. 9, 15th WSq, Maxwell AFB, Ala.

PRICE, Capt. and Mrs. Donald L., a daughter. Father assigned to Det. 9, 16th WSq, Ft. Rucker, Ala.

## State tax no burden to Illinois military

SAC PS — The Illinois revenue department no longer classifies Illinois servicemen as "residents," thereby exempting them from the state income tax. The new ruling will mean a refund for many who paid taxes in 1970. A fact sheet is available from the Illinois Department of Revenue, 1901 South 11th St., Springfield, Ill., 62708.

## IRS delays taxes on PCS movement

WASHINGTON (AFNS) — The Internal Revenue Service has delayed until at least 1972 any requirement for servicemen to account in their tax returns reimbursements of moving expenses in kind. However, the serviceman will be required to report cash reimbursements of moving expenses, subject in general to an offsetting deduction for expenses actually paid.

The decision was the result of a Defense Department request that servicemen be exempted from many of the reporting requirements included in the Tax Reform Act of 1969.

Of particular concern to Defense officials was the detailed accounting required by military members in permanent-change-of-station moves. In many cases, costs of the move would have had to have been paid at the time of the move, with deductions sought at tax filing time.

Mr. Randolph W. Thrower, IRS commissioner, announced that in no event is there any requirement for military personnel to report reimbursements of the expense of Government-ordered travel in cash or in kind where no change in residence is involved, as in the case of transfers to and from combat zones or temporary assignments.

## Blue-Ribbon Weathermen

Blue-Ribbon Weathermen . . . This column honors those in Air Weather Service who have been singled out for recognition in their category for a given period.

**Individual Safety Awards**  
Maj. John M. Kubiak, Hq. AWS.

Capt. Douglas A. Hylton, Det. 33, 25th WSq.  
CMSgt. Walter P. Mardyla, 1st WSq.

**Resource Conservation**  
TSgt. Emil T. Brandvold, Det. 31, 6th WWg. earned \$100.  
SSgt. Carlyle Burton, Det. 31, 6th WWg. earned \$125.  
SSgt. Thomas L. Hedebeeth, Det. 20, 3rd WSq., saved Air Force \$1100.

SSgt. Edward J. Gorskie, Det. 31, 6th WWg., earned \$50.

**Annual**  
Capt. John E. Shaw, Det. 33, 25th WSq., received Runner-Up Williams Award 1969.

**Quarterly**  
MSgt. William A. Lovisz, Det. 12, 7th WSq., Senior Airman of the Quarter.

Det. 10, 4th WWg., Officer of the Quarter.

TSgt. David L. Buzard, Det. 17, 20th WSq., Detachment NCO of the Quarter.

TSgt. Adrian E. Fredrickson, 7th WSq., Senior Airman of the Quarter.

TSgt. Robert L. Wieder, Det. 27, 4th WWg., NCO of the Quarter.

TSgt. Miguel D. Seva, Det. 15, 20th WSq., NCO of the Quarter.

SSgt. George R. Jefferson, Det. 35, 7th WWg., NCO of the Quarter.

SSgt. Wesley I. Rahn, Det. 34, 3rd WSq., NCO of the Quarter.

Sgt. Gail R. Arnold, 7th WSq., Junior Airman of the Quarter.

Sgt. James T. Finn, Det. 4, 3rd WSq., 6th Weather NCO of the Quarter.

Sgt. Terrance J. Murphy, Det. 28, 25th WSq., Detachment NCO of the Quarter.

Sgt. Thomas G. Thornton, Det. 7, 7th WSq., Junior Airman of the Quarter.

## New organic team activated by AWS

FT. HOOD, Tex.—Air Weather Service recently activated an organic weather team here to support the Army's Third Corps. This is the first organic team to support Army on a corps level and the first to be stationed at Ft. Hood.

The 15-man team is from Detachment 14, 16th Weather Squadron, and is one of only two AWS weather teams operating with mobile Army units. The other is attached to Det. 3, 16th WSq., and supports the 82nd Airborne Division at Ft. Bragg, Va.

Living and working as an integral part of the Army, the weather team follows the mobile units wherever and whenever they go. The team uses portable observing equipment to make hourly readings and forecasts for troop movements. It is also responsible for gathering weather information for pilots flying in support of field operations.

The team includes weather forecasters, observers and maintenance personnel and helps maintain the weather station here while not in the field.

All field training was accomplished at Ft. Hood.



FILLING A WEATHER BALLOON during a field exercise at Ft. Hood are Sgt. John A. McConnell and A1C Samuel D. Kent, members of a 15-man organic weather team supporting the Army's

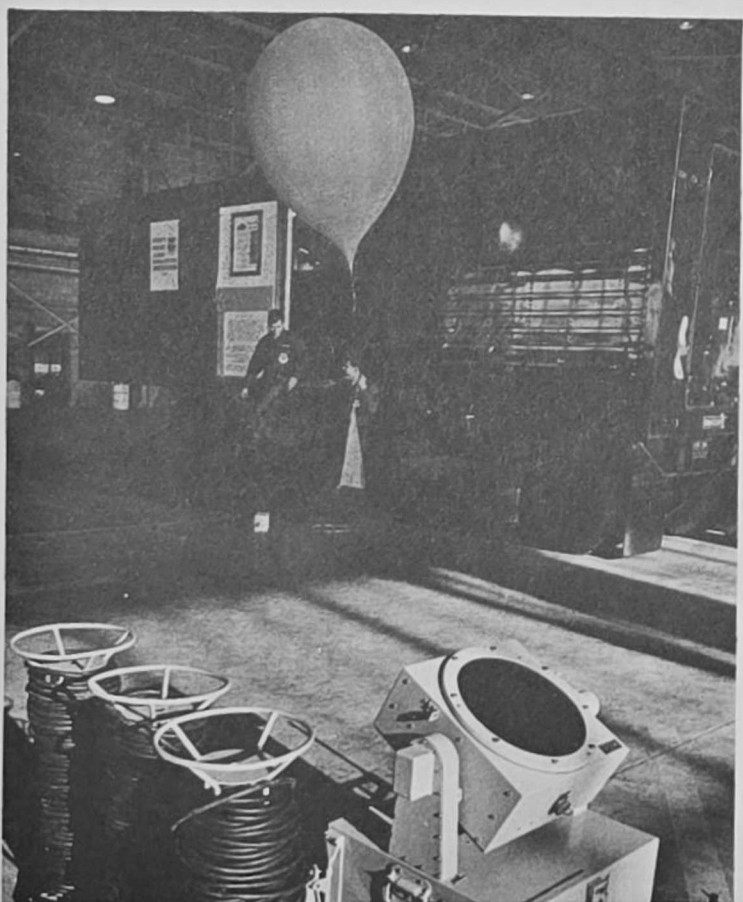
Third Corps. The two airmen will release the balloon and track it to determine high altitude wind direction and air speed.

(U.S. Army Photo)

# Mobile equipment exhibition highlights support conference



SCANNING SATELLITE PHOTOGRAPHS from an Automatic Picture Transmission receiver is A1C Thomas W. Hatcher. The machine, installed in a mobile weather van, receives and prints out transmissions from weather satellites.



A WEATHER BALLOON was one of many items of tactical weather equipment set up by members of the 6th Weather Squadron (Mobile), Tinker AFB, Okla. The balloon is connected to an instrument package which transmits weather data as the balloon rises to 100,000 feet or more. An AN/TMQ-14 cloud height set is in the foreground.

SCOTT AFB, Ill. — Representatives of Air Weather Service units which provide support to Army attended AWS's second Army Weather Support Conference here beginning Jan. 18.

The three-day conference served as a sounding board for ideas to promote support to ground forces and also as a learning environment for members of weather field units and the AWS staff.

Brig. Gen. William H. Best Jr., AWS commander, welcomed the conferees and set the tone for the three-day conference.

Part of the conference included discussions on tactical weather equipment, communications, weather modification and organization of AWS units. Representatives also discussed current problems within each theater of operations, the methods of improving services and future objectives.

A highlight of the conference was a weather equipment display arranged inside a base hangar by a weather team from the 6th Weather Squadron (Mobile), Tinker AFB, Okla. Most of the display gear was tactical weather equipment of the type used to provide combat weather support to Army in Southeast Asia.

The exhibit included a mobile weather van and its associated instrumentation, a weather satellite readout station and various examples of portable and hand-held weather observing equipment.

Project officer for the conference was Lt. Col. William E. Cummins III, chief of the requirements and validations division in the office of the AWS deputy chief of staff for operations.

## Photos

by

A1C Jeff Mc Guinness



CRANKING A GENERATOR that puts the ceilometer to work is A1C Dennis W. Henize. The TMQ-2 ceilometer, which looks like a huge spotlight, is used to determine cloud heights.



SURROUNDING AWS COMMANDER Brig. Gen. William H. Best Jr., is a mobile weather team from the 6th Weather Squadron, (Mobile), Tinker

AFB, Okla. The team set up a weather equipment display at Scott AFB, Ill., during the AWS Army weather support conference.

## Weathermen from the same mold



SHARING SOMETHING IN COMMON are, from left to right, TSgt. Miguel Sena, Sgt. Christ Smallis, Sgt. Pat Rolla and Sgt. Dennis Morgan. Sergeant Sena is the third quarter NCO of the Quarter at Osan AB, Korea, while the three observers were Osan's top airmen for three consecutive months. All are assigned to Det. 15, 20th Weather Squadron, Osan. (U.S. Air Force Photo)

OSAN AB, Korea — When airmen from Detachment 15, 20th Weather Squadron, decide to enter a competition, they don't settle for second best. For three consecutive months — September, October and November — the Airman of the Month for Osan AB has come from Det. 15.

The three weather observers are: Sgt. Dennis Morgan, September; Sgt. Pat Rolla, October and Sgt. Christ Smallis, November.

In addition, the 1970 third quarter Noncommissioned Officer of the Quarter for Osan came from Det. 15. He is TSgt. Miguel Sena, assistant noncommissioned officer-in-charge of the weather detachment's maintenance shop.

Being selected airmen of the month is not the only thing the three sergeants have in common. All were selected for promotion to staff sergeant during the current cycle.

## Thirty selected for major Weather officers soon to wear gold leaves

SCOTT AFB, Ill. — Thirty Air Weather Service captains were among the 2,470 officers identified by Air Force for promotion to major under the fiscal year 1971 temporary promotion program.

Of the 48 AWS officers considered in the primary zone, 27 were selected, representing a slightly higher percentage than Air Force wide.

Three AWS captains were selected in the secondary zone.

Promotions will be effected in monthly increments as vacancies occur. Promotion of 340 officers to major Feb. 1 will exhaust the FY 1970 major list with the possibility that a few selections from the FY 1971 list could be effected in March.

ed in March.

The central selection board considered 3,967 officers in the primary zone and 1,706 in the secondary zone. Included in those considered in the secondary zone were 1,169 officers nominated from 11,317 line officers screened by boards at major commands.

Officers in primary-zone consideration carried dates of rank of Dec. 31, 1965 or earlier. In the secondary zone were those with 1967 dates of rank.

The following is an alphabetical list of AWS officers selected for promotion to the grade of temporary major in both primary and secondary zones. Asterisks indicate secondary zone promotion.

## Anderson . . .

(Cont. from Pg. 1)

vancements in communications. The Automated Weather Network is the prime example. It is the lifeline of the Global Weather Central, because it moves the data rapidly to where it is needed.

"The Severe Weather Warning Center (SWWC), from its origin in the 1940s to its move to GWC, is another great AWS achievement. The SWCC grew from a stage where skeptics felt tornadoes were impossible to forecast to our current GWC capability which exploits their automated capability to the fullest."

During World War II, Colonel Anderson served as staff weather officer and participated in combat missions, observing weather and toggling bombs from a B-26 Marauder. For this he received the Air Medal with oak leaf cluster, the French Croix de Guerre and the Bronze Star.

## Det. 22 wins event

KEESLER AFB, Miss. — Forecasters of Detachment 22, 24th Weather Squadron here, recently won the annual 24th Weather Squadron Forecaster's Jamboree.

The Jamboree is a forecaster competition designed to stimulate a general interest in weather forecasting and increase public awareness of Air Weather Service and the job it does.

The 14 detachments of the 24th WSq. were divided into Eastern and Western leagues.

First elimination round, a two-week event beginning Nov. 9, selected the top three detachments in each league. The second round, a one-week event, narrowed the competition to two detachments, one representing each league.

The week-long final round of the Jamboree which ended Dec.

4, pitted Detachment 15, Vance AFB, Okla., against the Keesler team. Every day for a week, each detachment prepared a 24-hour weather forecast for a predetermined location. The forecasts included surface wind, temperature, cloud ceiling, visibility and an upper air forecast of the 500 millibar (MB) wind and 700 MB temperature.

Det. 22 is commanded by Capt. James T. Holland. Forecasters are Capt. William L. Bush III, 2nd Lt. Daniel C. Lane, TSgt. Wayne M. Rykosky Sr., TSgt. Dennis G. Bowlin and SSgt. Johnnie W. Weems.

## Outstanding NCO cited by MAC

ANDREWS AFB, Md. — TSgt. Kyle T. Morgan, Detachment 30, 6th Weather Wing, was recently named the Military Airlift Command (MAC) Outstanding Supply NCO of the Year. The award, presented annually, recognizes those non-commissioned officers who have made significant contributions to the MAC mission through superior knowledge and performance in the supply career field.

Sergeant Morgan is the non-commissioned-officer-in-charge of Det. 30's materiel section. He manages the second largest Equipment Management Office (EMO) account at Vandenberg AFB, Calif., consisting of more than 1,200 items and valued at more than \$400,000.

The scope of operations in the materiel section transcends normal weather detachment requirements. It includes all meteorological supply support items required by the Air Force Space and Missile Test Center. This includes not only Vandenberg AFB but Pillar Point AFS, Calif., and downrange South Pacific operating locations as well.

The 6,800 line items processed annually by his section provide either direct or indirect support to the Strategic Air Command, Air Force Systems Command, Air Force Communications Service, National Aeronautics and Space Administration, Navy and MAC.

## Saluting -- duty, act of pride?

Keep your head down . . . Look the other way . . . Cross the street . . .

Then you won't have to salute.

But who are you putting down? Him or you?

When you let your hand dangle along your hat brim or bring it up in the vicinity of your eye, and you drift by him almost not looking at him — who are you letting down; him or you?

The salute has a special meaning. It is the greeting of people who have pride in themselves. The pride you show today will help you stand taller tomorrow. In or out of the service, you are always going to live with you.

People have always saluted each other. The word salute means "I wish you well." The handshake, the embrace, the kiss and even the "V" peace symbol are all forms of salutes. In many countries, salutes have become very formal and carry special meaning.

Sure, sure, but what has that to do with a stranger and I exchanging greetings or salutes all the time?

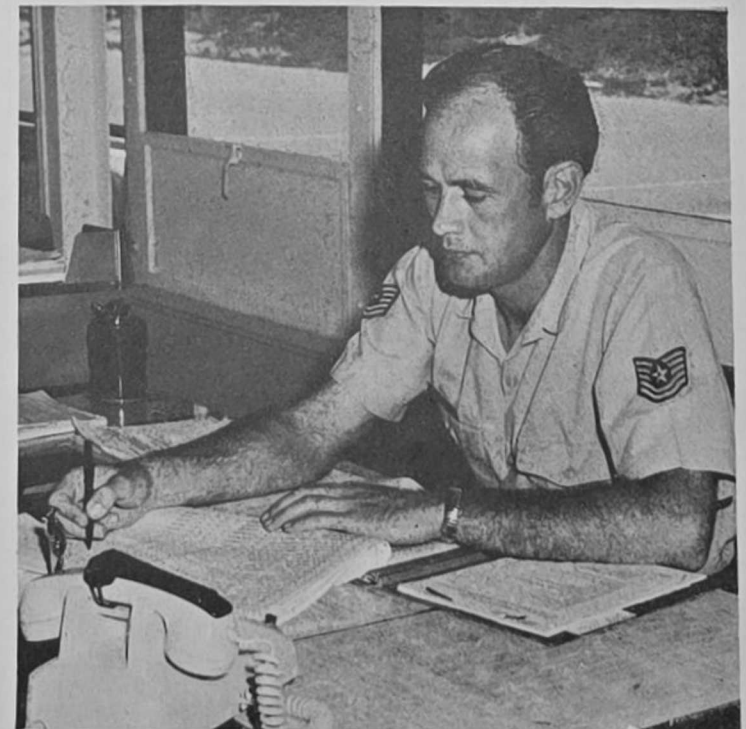
Well, you are not doing it for him. You are doing it for you. You are saying I am a member of this brotherhood and I'm proud to be me and I can look you right in the eye.

You bring your hand smartly to your forehead; that says "I recognize you." You offer a greeting and look him in the eye. This act says: "I respect me and you've got to respect me too."

And when he responds, you bring your hand back down with a snap. You are a man in a special brotherhood and you have greeted such another man.

Not a better man, but a man you respect just as you want him to respect you. (AFPS Editorial)

| NAME                  | NO.   | UNIT             |
|-----------------------|-------|------------------|
| Ashman, Jerome P.     | 1095  | ETAC, 6 WWg.     |
| Bohlsen, John S.      | 2177  | 1 WGp., 1 WWg.   |
| Brown, Philip R.      | 2289  | 3 WWg.           |
| Coyle, Ronald W.      | 1014  | AFGWC            |
| Culver, William C.    | 0836  | 5 WWg.           |
| Devilbiss, Jere A.    | 0653  | Det. 14, 1 WWg.  |
| Dobkowski, Edwin C.   | 2176  | Det. 30, 6 WWg.  |
| Duchmenin, Phillip W. | 0590  | 2 WWg., OL B     |
| Gabbert, Dale L.      | 0967  | Det. 17, 10 WSq. |
| Gran, Willis J.       | 0642  | 2 WWg.           |
| Harrison, Walter J.   | 2389* | Det. 2, 7 WSq.   |
| Heath, Edward D.      | 0184  | ETAC             |
| Herndon, Floyd D.     | 2180  | AFGWC            |
| Hodges, Donald B.     | 0286  | 3 WSq., 5 WWg.   |
| Huck, John M.         | 0346  | 2 WWg.           |
| Hughes, Ralph M.      | 2175  | Det. 17, 10 WSq. |
| Ivory, James O.       | 1959  | Det. 40, 28 WSq. |
| Jones, Gordon S.      | 0565  | Det. 21, 31 WSq. |
| Jordon, Troy S.       | 2274  | Hq. AWS          |
| Kaiser, Lyman L.      | 2174  | Hq. AWS          |
| Kraus, Ronald J.      | 2349* | 2 WWg.           |
| Kruse, Monty V.       | 0180  | Det. 22, 26 WSq. |
| McCory, Terrell D.    | 1979  | 10 WSq., 1 WWg.  |
| Mork, William A.      | 2320  | 2 WWg.           |
| Myers, Billy E.       | 2325  | 17 WSq., 7 WWg.  |
| Rish, Thomas L.       | 2179  | 5 WWg.           |
| Stonemark, Richard    | 2387* | Hq. AWS          |
| Thomas, Clement J.    | 0580  | Det. 1, 4 WWg.   |
| Underwood, Bobby D.   | 1922  | ETAC             |
| Wood, James H.        | 0360  | Hq. AWS, OL G    |



THE EXPERT EYE of TSgt. Kyle T. Morgan looks over the machine listing of his detachment's supply account. Sergeant Morgan was recently selected as the Military Airlift Command Outstanding Supply NCO of the Year for superior performance as the non-commissioned-officer-in-charge of supply for Detachment 30, 6th Weather Wing. (U.S. Air Force Photo)

# Awards and decorations

## Legion of Merit

Col. Leonard E. Zapinski, 1st WGP.  
**Meritorious Service Medal**  
 Col. Mortimer F. Bennet, Hq. AWS.  
 Lt. Col. Duane F. Ohmann, 21st Composite Wing.  
 CMSgt. Frank J. Brzezczek, Det. 14, 7th WSq.

## Bronze Star

Lt. Col. Charles K. Lansdale, 56th WSq.  
 Capt. Laurence D. Bachman, Det. 14, 1st WGP.  
 Capt. Jere F. Buttmer, Det. 14, 1st WGP.  
 Capt. Barry C. Evans, 6254th ABSq.  
 Capt. John E. Fletcher, Det. 14, 1st WGP.  
 Capt. James L. Hatch, Det. 14, 1st WGP.  
 Capt. James E. Henson, 56th WSq.  
 Capt. Archie C. Lebron, Det. 6, 5th WSq.  
 Capt. Allan J. Lhotka, 10th WSq.  
 Capt. Charles M. McKinley, Det. 14, 1st WGP.  
 Capt. David B. Patton, Det. 14, 1st WGP.  
 Capt. James R. Swope, 1st WGP.  
 SMSgt. Dan Brantley, Det. 14, 1st WGP.  
 MSgt. Aleck E. Dambacher, Det. 14, 1st WGP.  
 TSgt. Thomas D. Daisley, Det. 32, 5th WSq.  
 SSgt. Curtis D. Cessna, OL-6, 5th WSq.  
 SSgt. Robert P. Mautino, Det. 2, 30th WSq.

## Distinguished Flying Cross

Capt. Robert E. Dely, (1st thru 7th oak leaf cluster), 56th WSq.

## Air Medal

Lt. Col. Ezra B. Aberle, (6th thru 7th oak leaf cluster), 56th WSq.  
 Lt. Col. arFnklin A. Rose, OL-A, 1st WGP.  
 Maj. Loren W. Kula, (1st thru 4th oak leaf cluster), 56th WSq.  
 Maj. Donald W. Ruthrauff, (1st oak leaf cluster), 56th WSq.  
 Capt. Lloyd R. Kramer, (7th thru 11th oak leaf cluster), 56th WSq.  
 Capt. Richard M. Murphy, (2nd thru 4th oak leaf cluster), 56th WSq.  
 Capt. Martin C. Mehmhoner, (8th oak leaf cluster), 56th WSq.

## Air Force Commendation Medal

Maj. Edward M. Burwell, (first oak leaf cluster), AFGWC.  
 Maj. Everett D. Figgins, Hq. AWS.  
 Maj. Tommy D. Guest, (first oak leaf cluster), 3rd WWg.  
 Maj. Joseph W. Martin, (first oak leaf cluster), 56th WSq.  
 Maj. Christiaan C. Niessing Jr., (first oak leaf cluster), 58th WSq.  
 Capt. Nixon A. Adams, Hq. AWS.  
 Capt. Donald G. Caviness, AFGWC.  
 Capt. Arthur B. Cernohous, Hq. AWS.  
 Capt. Donald J. Deacon, 5th WWg.  
 Capt. James Halbach, AFGWC.  
 Capt. Ronald D. Haynes, (first oak leaf cluster), Det. 15, 24th WSq.  
 Capt. Larry A. Kumata, OL-6, 5th WSq.  
 Capt. Robert J. Lasure, AFGWC.  
 Capt. James A. Manley, Det. 1, 4th WWg.  
 Capt. Norman P. McElvy, 2nd WWg.  
 Capt. Charles M. Norman, Det. 17, 20th WSq.  
 Capt. Earl H. Sonnemaker, (second oak leaf cluster), 56th WSq.  
 Capt. William K. Sung, 56th WSq.  
 Capt. Barclay B. Young, 56th WSq.  
 1st Lt. Lloyd N. Osterberg, ARGWC.  
 SMSgt. Marion Ford Jr., (first oak leaf cluster), 56th WSq.  
 SMSgt. James Holcomb, (first oak leaf cluster), Det. 4, 3rd WSq.  
 MSgt. Robert J. Chambers, Hq. AWS.  
 MSgt. James R. Davis, AFGWC.  
 MSgt. Warner Gates, (first oak leaf cluster), 55th WSq.  
 MSgt. William T. Koch, Jr., 20th WSq.  
 MSgt. Martin M. Mangin, (second oak leaf cluster), 9th WRWg.  
 MSgt. Harold G. Morillo, Jr., (third oak leaf cluster), 56th WSq.  
 MSgt. Donald J. Schultz, 55th WSq.  
 TSgt. James R. Austin, Det. 17, 10th WSq.  
 TSgt. John F. Baker, Det. 4, 16th WSq.  
 TSgt. James R. Burrell, Det. 28, 26th WSq.  
 TSgt. Donald D. Callaway, (first oak leaf cluster), Det. 4, 16th WSq.  
 TSgt. George W. Gleason, Det. 6, 6th WWg.

TSgt. Joseph Jendzewska, Det. 17, 20th WSq.  
 TSgt. Ronald M. Leadbetter, (first oak leaf cluster), Det. 5, 15th WSq.  
 TSgt. Charles R. Zachary, (first oak leaf cluster), 58th WSq.  
 SSgt. David R. Anderson, Det. 7, 9th WSq.  
 SSgt. Paul L. Chappelle, Det. 17, 10th WSq.  
 SSgt. Charles A. Cothran, (first oak leaf cluster), 58th WSq.  
 SSgt. Ralph E. Gideon, Hq. 1st WWg.  
 SSgt. Thomas E. Hildebrand, Det. 35, 7th WWg.  
 SSgt. David R. Hill, 20th WSq.  
 SSgt. Edward F. Hynan, Det. 16, 16th WSq.  
 SSgt. William G. Kampmeyer, Det. 10, 20th WSq.  
 SSgt. Dennis R. Long, Det. 12, 7th WSq.  
 SSgt. David L. Mace, 1st WGP.  
 SSgt. Richard G. Tuttle, Det. 30, 6th WWg.  
 Sgt. Betty J. Bonnell, (first oak leaf cluster), Hq. 1st WWg.  
 Sgt. Daniel E. Graham, Det. 12, 9th WSq.  
 Sgt. Emerson W. Moore, Det. 7, 5th WSq.  
 Sgt. Willard K. Singletary, Det. 14, 1st WGP.  
 Sgt. Carl L. V. White, Jr., Det. 5, 30th WSq.  
 AIC Kenneth E. Nelson, 30th WSq.

## Gold Pride Awards

2nd Lt. Tom W. Utley, Jr., Det. 28, 25th WSq.  
 SMSgt. Alice L. Hill, 17th WSq.  
 TSgt. Robert L. Miles, Hq. 7th WWg.  
 SSgt. Anthony W. Basiks, Det. 37, 7th WWg.  
 Sgt. Ted K. Takamiya, Det. 8, 17th WSq.

## Bronze Pride Award

2nd Lt. Raymond G. Bonesteele, Det. 17, 24th WSq.  
 SSgt. James K. Sikes, Det. 17, 20th WSq.  
 SSgt. John H. Starck, Det. 17, 20th WSq.  
 Sgt. Randall C. Haas, Det. 23, 24th WSq.  
 AIC Ronnie R. Poskas, 24th WSq.

# ON THE skew-T AWS Global Report

Highlights of Air Weather Service people at work and play

## Bolling AFB, Wash., D. C.

TSgt. Leo F. Rockwood, assigned to the Environmental Technical Applications Center, Wash., D. C., is the first AWS noncommissioned officer to graduate from the Headquarters Command NCO Academy, here.

## Fort Rucker, Ala.

Jeff Woolley, ten-year-old son of TSgt. and Mrs. Billy A. Woolley, recently received a certificate of merit for designing the most humorous poster in the post elementary school fire prevention poster contest. He also earned the Sportsmanship Award presented at a little league football banquet. Sergeant Woolley is assigned to Detachment 9, 16th Weather Squadron, here.

## Offutt AFB, Neb.

Mr. Nicholas P. Miloglav was recently presented a 30-year service certificate and pin in a ceremony at the Air Force Global Weather Central Officers' Call here. Mr. Miloglav, a meteorologist assigned to the analysis and forecasting section of the northern hemisphere macro unit, was originally assigned to AFGWC in 1957. After retiring from the Air Force in 1963 he continued with AFGWC as a civilian meteorologist.

Fifteen-year-old James Russell Biery, son of CWO (W-4) and Mrs. Richard A. Biery, recently displayed his pianistic skill when he presented a concert of classical music at St. Mary in the Cross

Conference Center, Omaha, Neb. Jim has received high honors in local and state piano competition. Mr. Biery is assigned to the Air Force Global Weather Central here.

## Lajes Field, Azores

Detachment 19, 15th Weather Squadron, recently received a flag as Top Honor Squadron of the Month. This was the seventh time that the detachment weathermen outperformed the 11 organizations competing for the honor last year. After presentation of the flag, Brig. Gen. Warren D. Johnson, 1605th Air Base Wing commander, presented Maj. David C. Gurkin Jr., Det. 19 commander, a plaque honoring the detachment as the Top Unit of the Year at Lajes Field.

## Kingsley Field, Ore.

Detachment 2, 4th Weather Wing, was the first unit on base to reach its goal of \$72 in the recent United Good Neighbor Fund Drive. The unit also showed the best results with 168.8 per cent participation.

TSgt. Vitto Mennella, Det. 2, 4th Weather Wing, here, recently predicted thunderstorms almost to the minute. He put out the forecast at 1:40 p.m. late November to expect the thunderstorms at 4 p.m. that afternoon. At 3:57 p.m. the first thunder was heard, giving Sergeant Mennella a lead time of one hour and 20 minutes . . . this is similar to predicting rain accurately two weeks in advance.

# Weather officers on AFA panel

SCOTT AFB, Ill. — Three Air Weather Service officers recently attended the Air Force Academy's annual Cadet Career Information Program for first class cadets.

The representatives (first lieutenant through major) were selected for outstanding ability in their specialties.

Serving as panel members with representatives of other commands, the three AWS officers answered questions from cadets regarding career opportunities, mission challenges and job prospects in AWS.

Maj. Dennis M. Werking, an aerial reconnaissance weather officer with the 55th Weather Reconnaissance Squadron, McClellan AFB, Calif., and Capt. John C. Stevenson, systems analyst for the Automated Weather Network at Carswell AFB, Tex., participated in the program Dec. 5. Capt. William T. Higham, forecaster for the 3rd Weather Wing, Offutt AFB, Nebr., attended the Jan. 16 session.



DISPLAYING THE MARLIN he caught off the coast of Oahu, Hawaii, is Maj. Henry W. Brandli, an avid fisherman and a weather officer with Hq. AWS. Major Brandli's catch stood seven-and-one-half feet and weighed 150 pounds. Assigned to Det. 4, 1st Weather Wing, Hickam AFB, Hawaii, when he caught the fish, the major needed one hour to bring the marlin in. (U.S. Air Force Photo)

The Observer regrettably announces the death of SSgt. J. C. Ingles, who died from a stroke Dec. 29. Sergeant Ingles is survived by his wife, Betty, and two children.

# Officers attend pollution courses

SCOTT AFB, Ill. — Three officers from the 6th Weather Wing, Andrews AFB, Md., recently completed a course on the meteorological aspects of air pollution at the Institute for Air Pollution Training, Raleigh, N.C. They were the first of several AWS officers slated to attend air pollution courses.

Maj. Richard Brumfield, Detachment 10, 6th WWg., Eglin AFB, Fla.; Maj. David S. Lydon, Environmental Technical Applications Center (ETAC); and Capt. Thomas E. Taylor, Hq. 6th WWg., Andrews AFB, Md., attended the five-day course.

The course is designed for engineers and professional personnel responsible for measuring air pollution levels or for measuring and evaluating meteorological parameters which affect the diffusion and concentration of pollutants in the atmosphere.

Capt. William J. McKechney, OL-A, Wright Patterson AFB, Ohio, is scheduled to attend an introductory course in air quality management in Chicago in March. The five-day course is designed for persons involved in air pollution control or interested in a general overview of the air pollution problem.

Capt. Thomas E. Taylor, First Lieutenants Earnest L. Worsan

and Gordon A. Hurc from ETAC and Mr. Valentine S. Descamps, Hq. AWS, are scheduled to attend the course, "Diffusion of Air Pollution — Theory and Application" at Raleigh in April. This course is designed for meteorologists working in air pollution and atomic energy fields who have had no formal training in atmospheric turbulence and diffusion.

The list of selectees for future courses is subject to expansion, according to AWS officials.

## Writers League sets April 1 for deadline

WASHINGTON (AFNS) — The Armed Forces Writers League is offering \$100 in awards and professional manuscript criticism through its annual amateur short story contest. The contest, open to all interested members of the armed forces, seeks unpublished stories of 1,800 words or less on any subject. Deadline is April 1.

Entry forms and additional information are available by writing Armed Forces Writers League, George Washington Station, Alexandria, Va. 22305.

## THE BOWLING CORNER



By Capt. Ray A. Crockett

### Still bowling along

Separated by 6,000 miles, but only one pin, two weathermen, one in Kansas and one in Japan, bowled notable high series.

Elvin L. Propps of Detachment 8, 16th Weather Squadron, bowled a 232-246-194 series for a total of 672 at Ft. Riley, Kans. His 246 was high game in the league and 672 was the highest series in any league at Ft. Riley for the 70-71 season.

Around the world at Yokota AB, Japan, John R. Zemba of Det. 17, 20th WSq., rolled a 238-222-211 series, totalling 671. His handicap score was 743, highest in the league this season.

The bowling team representing Detachment 4, 4th Weather Wing at McChord AFB, Wash., recently won the first half of the 25th NORAD Region bowling league with a record of 42 wins and only 14 losses. Team members are TSgt. Dintzen, TSgt. Starling, SSgt. Moline, SSgt. Stalker, Sgt. Stapel and Sgt. Playstead.

## Weather sergeant is jogging not puffing

SCOTT AFB, Ill. — Concern over physical fitness has never been so widespread as in today's atmosphere of anti-smoking and pro-jogging campaigns.

Going beyond weight-watching and yogurt-eating, a newer regimen for fitness, aerobics, has dealt inertia a blow.

Efforts to deflate "spare tires" and strengthen heart and lungs take various forms.

CMSgt John Mazzella, 7th Weather Wing climatologist, is a devoted jogger.

The 5-foot-6-inch scambler also lifts an occasional barbell and plays such things as volleyball and softball.

Since beginning to run regular-

ly, the 44-year-old sergeant has lost 10 pounds and carved five minutes from what was once a 16-minute mile-and-a-half run.

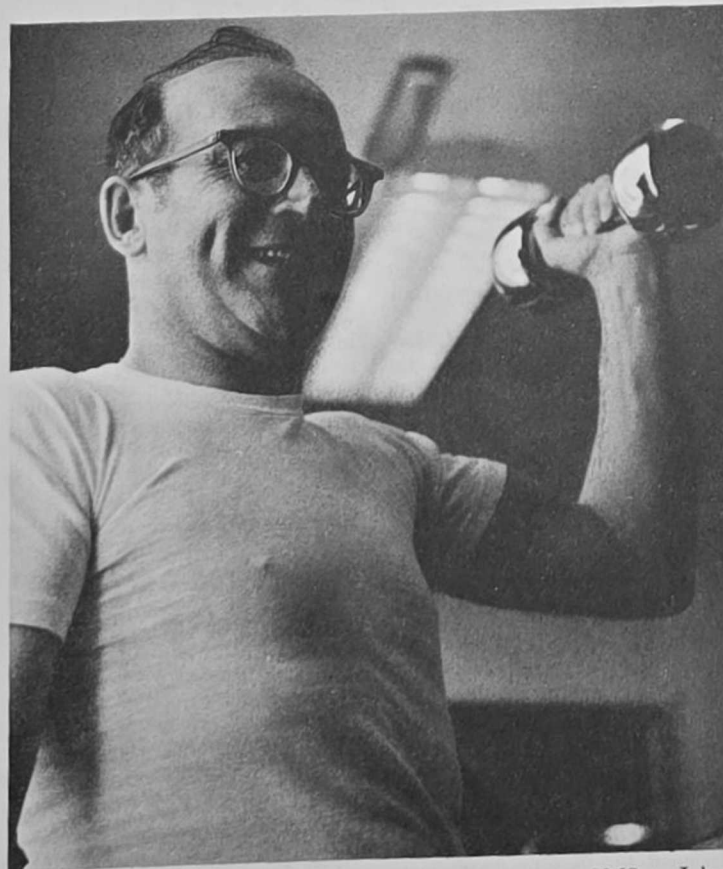
His pulse rate now stands at 60 beats a minute. (The average healthy heart finds it necessary to beat 72 times each minute.)

"I feel much better at age 44 than I did at age 34," proclaims the 153-pounder. He noted that seven years ago he defeated a two-pack-a-day smoking habit that included "inhaling" cigars.

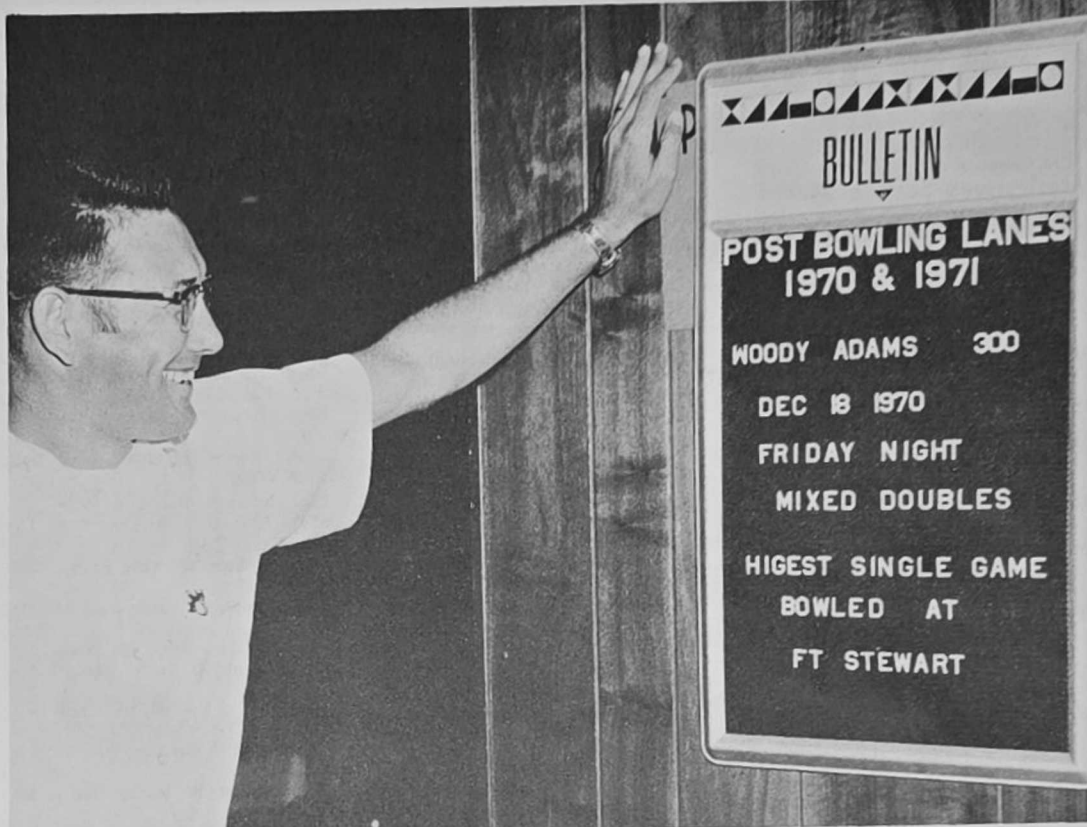
"I was more afraid of having a heart attack then," he explained.

Of course, you can't run EVERY day . . . as indicated by this diary entry:

"No time to run . . . had to play Santa Claus to 15 families."



LIFTING THE BARBELL is one of several ways CMSgt. John Mazzella, a 7th Weather Wing climatologist, keeps trim. The 44-year-old sergeant, stationed at Scott AFB, Ill., is a believer in the aerobics program, and living proof of its healthy benefits. (Photo by 2nd Lt. Milt Capps)



SMILING WITH SUCCESS is TSgt. Woodrow M. Adams, Detachment 19, 16th Weather Squadron, Fort Stewart, Ga. Sergeant Adams made his-

tory Friday night, Dec. 18, when he bowled the highest game ever at Fort Stewart. (Photo by Brenda Ellis)

### Cold-Flare supports NASA-FAA program

## RB-57Fs make record solar sampling

EIELSON AFB, Alaska — In the wake of a major solar flare late Jan. 24, two RB-57F aircraft from the 58th Weather Reconnaissance Squadron flew three Cold Flare sorties from this Alaska base to collect atmospheric samples for the National Aeronautics and Space Administration (NASA) and the Federal Aviation Administration (FAA).

The flights supported a NASA-FAA program, begun in 1965, to determine radiation levels to which crews and passengers of high-flying aircraft, such as the proposed supersonic transport, could be exposed while flying at the fringes of space.

According to Col. Tedd L. Bishop, Air Weather Service deputy chief of staff for air operations, the Jan. 24 missions were the most successful Cold Flare flights to date, in terms of the quantity of data obtained. Analysis of the air samples will help

scientists to further define the high altitude radiation hazard.

Major solar flares occur about six times a year. They are sudden and sizable outbursts of energy which can eject radiation deep into space at speeds of more than 100 million miles per hour. As this radiation reaches the earth, it is normally deflected toward the polar regions by the earth's magnetic field, resulting in a higher-than-normal radiation lev-

el in those areas.

Two RB-57Fs and four crews are deployed to Eielson from Kirtland AFB, N.M. They remain at various stages of alert depending on the expected level of solar activity. Upon notification of an expected major flare, the crews are placed on standby alert. They are required to be at sampling altitude (approximately 60,000 feet) within one hour after notification.

## Belts save lives



HOLDING THE SEAT BELTS that saved their lives are 2nd Lt. Bobby E. Hall (seated) and 2nd Lt. Don W. Janssen. The two officers, from Detachment 12, 4th Weather Wing, Otis AFB, Mass., were riding together in their car when a vehicle passed through a red light and smashed into them. The two suffered only minor bruises. (U.S. Air Force Photo)

### Seminar held here

SCOTT AFB, Ill. — Dr. David Atlas, a professor at Chicago University, Department of Geophysical Sciences, held a one-day seminar here, recently, for members of the Air Weather Service.

The seminar included a briefing and discussion concerning the meteorological state-of-the-art, weather equipment (both ground-based and airborne) and techniques that could be implemented in the near future to improve AWS capability in reconnoitering hurricanes, according to Maj. James T. Zumwalt, project officer.

One of the techniques touched on by Dr. Atlas was use of radar echo tracking to plot the probable course of storms.

Approximately 40 persons participated in the seminar, the third conducted here by Dr. Atlas.