

## Gen. William G. Moore Jr.

# Airlift command gains new leader

file of INF 6 Brig

## New CINCMAC takes command

Gen. William G. Moore Jr., who, in a formal ceremony at Scott AFB, IL, Mar. 31, became the commander in chief (CINC) of the Military Airlift Command (MAC). He came to the position from being Air Force assistant vice chief of staff with additional duty as the senior Air Force member, Military Staff Committee, United Nations.

He entered military service in 1940 as an Army Air Corps aviation cadet and in World War II commanded a bombardment squadron in Italy. In 1947 he entered the Reserve force.

General Moore was recalled in 1951 to command the 3rd Bombardment Group in Korea. Later he reactivated and commanded the 834th Air Division, Tan Son Nhut Airfield, Republic of Vietnam. There he was responsible for tactical airlift.

One of his many command and staff assignments came in 1970—command of MAC's 22nd Air Force, Travis AFB, CA.

Two years later General Moore, as commander of the 13th Air Force, was responsible for U.S. Air Force units in Taiwan, Thailand and the Republic of the Philippines. He personally greeted all returning prisoners of war from Hanoi and South Vietnam. From the 13th Air Force he became chief of staff for the Pacific Command then had the position he held before taking command of MAC.

Among his military decorations and awards are the Distinguished Service Medal with two oak leaf clusters (OLC), the Silver Star and Legion of Merit with four OLCs.



A FORMAL CEREMONY at Scott AFB, IL, Mar. 31, changed command of the Military Airlift Command from Gen. Paul K. Carlton, right, to Gen. William G. Moore Jr., left. General Carlton was the command's first commander in chief (CINC). General Moore's nomination to become the new CINCMAC was announced Mar. 7 by Secretary of Defense Harold Brown. (U.S. Air Force photos)

## Past CINCMAC finishes career

Gen. Paul K. Carlton, on Mar. 31, ended a military career which spanned more than 35 years and began with his enlistment as an Army Air Corps aviation cadet in 1941.

General Carlton and his wife, Helen, plan to make Littleton, CO, their retirement hometown.

During World War II General Carlton was an instructor pilot then went on to accumulate 350 combat flying hours. He flew B-29 bomber missions with the first group to strike the Japanese mainland from the China-India area.

Earlier in his career, for four years, he was aide-de-camp to Gen. Curtis E. Lemay, the Strategic Air Command's first commander. From the aide position he rose to command at wing, air division and numbered air force levels.

General Carlton took command of the Military Airlift Command (MAC) in 1972 and on Feb. 1, this year, his official title changed from commander to commander in chief. The title change came when MAC was designated a specified command.

He gained command pilot wings and flew 12,000-plus hours in many types of aircraft. Some of these were the C-5 Galaxy, C-141 Starlifter and even the SR-71, which flies faster than three times the speed of sound.

His decorations include the Distinguished Service Medal, Silver Star, Legion of Merit with oakleaf cluster, Distinguished Flying Cross and Air Medal with five oakleaf clusters.

# AIR WEATHER SERVICE OBSERVER

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## Senior AWS officers receive assignments

SCOTT AFB, IL—Recently announced coming moves of senior officers to or within Air Weather Service (AWS) will affect 14 men. Lieutenant colonels listed are selected for promotion to colonel.

In May, Lt. Col. Ronald C. Overby shifts from the position of duty officer at the Air Force Global Weather Central (AFGWC), Offutt AFB, NE, to become the 3rd Weather Wing's (WW) chief of Operations on the same military installation. He will replace Col. George S. Akers, who retires.

Col. Arthur Bidner leaves Headquarters AWS, Scott AFB, IL, to become the 3WW vice commander in July. He replaces Col. John C. Ball, who retires then. Also in July, Col. Ramon C. Wilkins will become AWS' deputy chief of staff (DCS) for Systems, taking the place of Colonel Bidner; Col. Cooke H. Leutwyler leaves the 7WW,

Scott AFB, to replace Colonel Wilkins as deputy assistant for weather, Pentagon, Washington, DC; Col. Duane M. Griesbach moves from Headquarters AWS to replace Colonel Leutwyler as the 7WW's chief of Operations; and Col. Robert J. Fox moves from Los Angeles, CA, to AWS to replace Col. Lynn L. LeBlanc as assistant DCS of Systems.

In August, Lt. Col. Robert W. Gossett Jr. moves from Headquarters AWS to become deputy commander of the 1WW's Operations, Hickam AFB, HI. He replaces Col. William E. Smurro, whose new assignment will be announced later.

In September, Lt. Col. Thomas Flattery, of AFGWC, will replace Col. William D. Brockmeyer as the organization's chief of Aerospace Sciences. Colonel Brockmeyer retires at that time.

## Capt. C.R. Holiday wins AMS forecaster award

BOSTON, MA—A Weather Service officer was the only military person among the winners of the American Meteorological Society (AMS) awards this year. Announcement of winners was made at the same time names of the newly elected AMS president and councilors of the organization were released.

Capt. Charles R. Holiday, an Air Force Institute of Technology student at



Holiday

Texas A&M University, who is slated for assignment to the Air Force Global Weather Central, Offutt AFB, NE, won the award. It was for outstanding service by a weather forecaster. Captain Holiday's selection stems from major improvements he made in

the Joint Typhoon Warning Center service during his assignment on Guam.

Persons who will assume positions in the AMS are Dr. George P. Cressman, president (to replace Dr. Werner E. Baum), and councilors for three-year terms, Dr. Margaret A. LeMone, Frederick P. Ostby Jr., Dr. Frederick Sanders, Dr. Jay S. Winston and Dr. Robert Stewart.

Other winners of AMS awards were Dr. Akio Arakawa, the Carl-Gustaf Rossby Research Medal; Dr. Syukuro Manabe, Second Half Century Award; Eugene Dollay, the Charles Franklin Brooks Award; Dr. Richard M. Goody, the Cleveland Abbe Award; Dr. Raymond B. Montgomery, the Sverdrup Gold Medal; and Dr. Roger A. Pielke, the Meisinger Award.

## General Carlton says 'farewell'

I approach the end of my Air Force active duty career with a deep sense of pride and faith—pride in yesterday and faith in tomorrow.

Of the more than 35 years I have spent with the Air Force, none were more fulfilling than the four and a half I have served with you.

We have been through a lot together, including Operation Homecoming, the Israeli Airlift, Babylift, New Life, the Mayaguez recovery, and the withdrawal of U.S. forces and equipment from Southeast Asia.

Your individual contributions have been an essential part of the MAC success story, whether you fly or support the important day-to-day missions that are the

(Continued on page 8)

## Command line . . .

# Reflects on past; looks to future

As this paper reaches you, we at Scott AFB (IL) will have bid farewell to Gen. Paul K. Carlton, commander in chief (CINCMAC), Military Airlift Command, who retired from active service on Mar. 31. Our new commander is Gen. William G. Moore, Jr. Particulars on the change of command and the individuals appear elsewhere.

### AN AWS FRIEND

During General Carlton's tenure, we faced many challenges in configuring our support to evolving Air Force and Army force structures and weaponry. Throughout, we enjoyed the benefits of wise guidance and firm support from a leader who sensed the trends and met changing times head on with practical solutions.

With General Carlton's encouragement, we were able to design and implement innovative approaches to both old and new problems. More important, we were fully supported in programs effecting major changes in long-standing operational methods. We received a higher level of visibility, a stronger, more direct involvement in weather service from General Carlton than any of his predecessors.

The net result is an AWS relieved of extraneous tasks, endowed with programs calculated to assure continued viability of an essential supporting service to both Air

Force and Army forces now and in the future. It has been a privilege to have served a man like Gen. Paul K. Carlton.

### MOVING ON

Our job goes on and we have much to do under General Moore's guidance. There are many steps yet to be taken in getting our new programs into operation.

Our progress in converting to the Single Career Ladder is slow but steady; improvement in our first and second term retention rates will be a big factor in coming months.

A definite date for consolidation of our maintenance function with the Air Force Communications Service (AFCS) is still on hold pending a decision on the AFCS move to Scott AFB.

The January 1977 decision to consolidate Air Force and Navy NCO forecaster training at Chanute AFB (IL) will be another challenge we must face, since the course is to be reduced to 18 weeks in the process.

Our base weather station modernization proposal is being staffed at Air Force Headquarters and the months ahead should see us hard at work on myriad details.

A recent CINCMAC decision to place aerial reconnaissance weather officers (ARWOs) and dropsonde operators under AWS



Brig. Gen. Berry W. Rowe  
AWS commander

for technical supervision is now being implemented.

You in the field units must concentrate on the coming summer weather season; in many cases you will continue doing it without your full complement of NCO forecasters and with observers newly graduated from Chanute.

### PUSH ON

So having briefly looked back at our yesterdays, and having bid farewell to General Carlton, let's join in welcoming General Moore, assure him of our continuing commitment to excellence in service under his leadership, and get on with the challenges we face.

## Enlisted line

# Course gains TDY status

A recent decision by the Interservice Training Review Board brings us near a significant milestone in Air Weather Service history. Starting in February 1978, Forecasters Course 3AAR 25170 will be a temporary duty (TDY) course at Chanute AFB, IL, as a USAF-U.S. Navy venture.

Dollar savings helped cause the change. Reducing the course from 28 weeks to slightly more than 18 gives AWS almost 10 more weeks of duty time from each student. Cutting the course to less than 21 weeks duration stops the need to move the students' families to and from school. Pipeline spaces are down from 130 to about 80. These factors, and others, will save the Air Force about \$1,409,000 each year.

In addition to saving money, the TDY course will meet a need. Many people say they don't volunteer for the course because of the expense and turmoil of having two permanent change of station (PCS) moves in less than a year—a valid concern. Now we can separate some of the wheat from the chaff if the AWS Form 47s don't roll in.

The new TDY school will solve old problems but it will create a few new ones. The 18-week TDY family separation should create fewer and less severe problems than did the PCS concept. Quarters were scarce at Chanute AFB and many students, single or those who were married and accompanied or unaccompanied, had to use expensive off-base quarters. Construction programs indicate sufficient on-base TDY quarters will be available by February 1978.

The classroom day, six hours in the PCS course, will be increased to eight hours, which accounts for a large portion of the course length reduction. Eight hours of lectures each day could be difficult, if it is not broken by laboratory and similar hours. We won't know the course makeup until the curriculum is finalized.



CMSgt. Howard M. Bock  
AWS senior enlisted advisor

TDY students will be expected to arrive at Chanute AFB thoroughly prepared in mathematics, which is not taught in the TDY course. Prospective students must take a controlled math correspondence course the Navy has used successfully for years. Upon receipt of your AWS Form 47, AWS' Operations Training will send you an application for the math course; applications are now sent to future students of the PCS course. Prospective students who properly complete the math course and the 25170 Career Development Course should have little, if any, trouble completing the TDY forecasters school. Participation in the Weather Forecaster Apprentice program will add an extra measure of insurance.

The TDY course will create many other changes, among which will be assignment and personnel management challenges for AWS and the Palace Weather Team at Randolph AFB, TX.

A rush of applications for the TDY course is expected and beginning in February 1978 there will be two classes each month. AWS will have 24 spaces each month so if you want to apply, do so. If possible, provide AWS Operations Training (AWS/DOT) a spread of three months or more for the class you desire.

## Personnel shorts

Did you know that:

\*—Civilianization of Air Weather Service authorizations at seven remote Alaska operating locations (OL) is on schedule? Action should be finalized by September and will limit 11th Weather Squadron remote OLs to Galena and King Salmon.

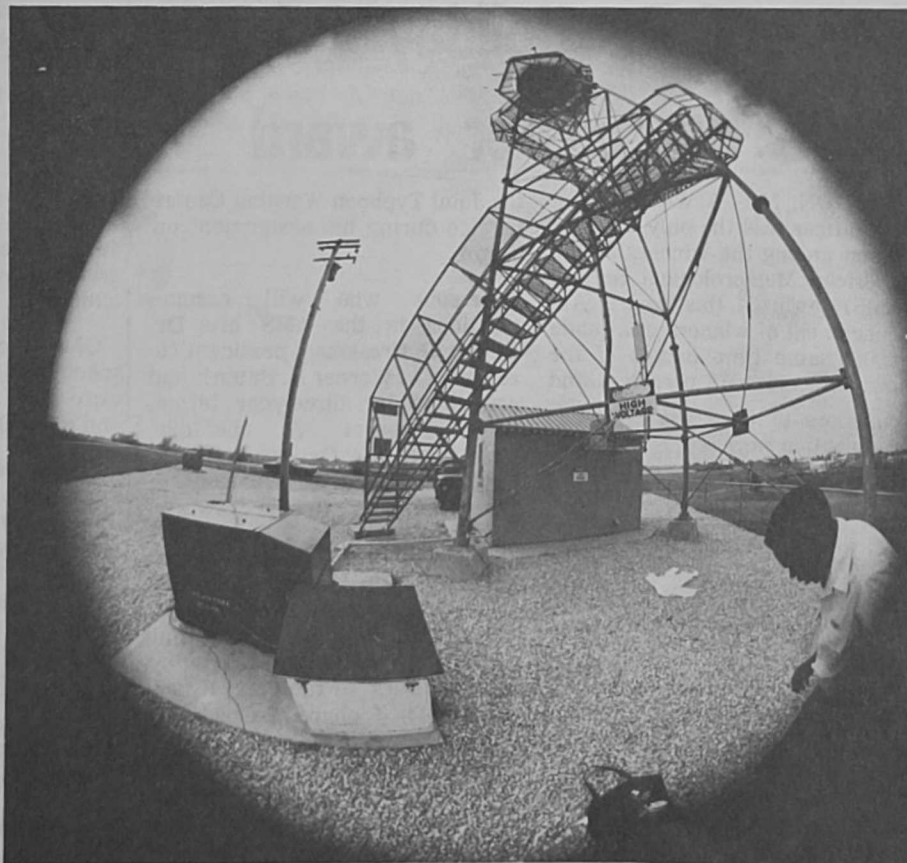
\*—Persons who collect reenlistment bonuses then separate, voluntarily or through misconduct, prior to completing the contracted time must pay back the "unearned" portion?

\*—AWS now has eight NCO detachment commanders and 21 station chiefs? An increase to 16 NCO detcos and 36 station chiefs is planned by March 1978.

\*—AWS senior NCOs are super competitive? Sixty per cent of the AWS nominees for the USAF Senior NCO Academy were primary selectees for Classes 77-C and 77-D (the MAC-wide selection ratio was 27 per cent).

\*—Volunteers in specialty 25170 are needed for instructor duty at Chanute AFB, IL; MAC technical advisor duty; parachutist duty and aerial reconnaissance duty? There are openings for 25150 volunteers in reconnaissance and parachutist duties.

'BOY, WHAT A WIND. Who's going to straighten this one out?' might be the thought of anyone who does not recognize that a special "fisheye" camera lens distorted the appearance of this Richards - Gebaur AFB, MO, PFS-77 storm detection radar antenna and tower. The system is maintained by Detachment 12, 7th Weather Wing. (U.S. Air Force photo by MSgt. Chuck Dees)





THERE WAS A CHEAPER WAY to provide staff assistance so people of the 26th Weather Squadron, Barksdale AFB, LA, found it. They visit outlying units in a Barksdale Aero Club plane piloted by Maj.

Gale L. Gabbert, second from right. The small plane, according to a unit spokesman, "... has significantly reduced travel costs." (U.S. Air Force photo)

## Weather whys???

"Weather whys???" is a regular feature of the Air Weather Service (AWS) OBSERVER. Questions come from readers and answers from the AWS commander and his staff. If you have a question, send it to: Commander, Air Weather Service; Scott AFB, IL 62225. Although all questions will be answered, space limitations preclude printing all of them in the OBSERVER.

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**Q.—What are AWS plans for 252XX's who are eliminated from Course 3AAR 25170?**

**A.—**Eliminees, 252X1s or 251XOs, will normally be reassigned to the field and urged to prepare for the school. One exception is that some persons retrained into AWS and found to be unqualified for a weather career will not remain in AWS. The 252XX authorizations and resources are being managed to insure that valid slots exist until full conversion to the single career ladder (SCL). As resources decrease, 252XX authorizations are converted to

specialty 251XX. AWS will insure that valid 252XX authorizations are available through March 1981 or depletion of the 252XX resource—whichever is first. Experienced chief observers have the background, qualifications and ability to successfully complete the forecaster school then soon become station chiefs. As AWS converts to the SCL and station chief program, management and supervisory jobs will be plentiful. One important item to remember is that nearly all eliminations from 3AAR 25170 came from lack of preparation prior to school entry.

**Q.—Do we stand a chance of losing Zone A Selective Reenlistment Bonus (SRB) as a result of our 25130, 25150 overmanning? Can we afford such a lost at present with our reenlistment rate so low?**

**A.—**Each year Air Force specialties are evaluated to establish the applicability of SRB to the specialty. In the last two years the number of specialties receiving Zone A SRB reduced

from 74 to 29. SRB is applied selectively to specialties experiencing an insufficient number of reenlistments to support the career force.

Although our first-term reenlistment rate is now below the MAC and Air Force average, we cannot be assured specialty 251XO will stay on the SRB list. The AWS overmanning in observers is on the first term side of the house and does not directly impact on the SRB.

First-term overmanning does indirectly impact in that a large group eligible for reenlistment and a relatively low reenlistment rate could produce sufficient reenlistments to support the career force. SRB is not an entitlement. Although it is not designed to correct manning deficiencies, our forecaster shortage should have an effect on retention in Zone A SRB. The loss of SRB is an ever present thing, however it "appears" AFSC 251XO may remain on the list.

**Q.—What progress are we making toward resolving our enlisted forecaster shortage?**

**A.—**Slow but steady. As of Jan. 31 we were authorized 1,065 enlisted forecasters and had 88 per cent manning. We expect our manning to increase to near 92 per cent by July. The changeover from a permanent change of station to a temporary duty school will result in the loss of a few classes and (by December 1978) our authorizations will increase to 1,223.

## Swap list

Three people want to swap assignments with other persons of the same specialty code. They are:

30230—A1C Chris L. Wright, PSC Box 2242, Altus AFB, OK, wants Norton AFB, CA, or the Norton area.

25150—A1C Melvyn Snowden, PSC Box 4627, Maxwell AFB, AL 36112, wants Kelly AFB, Randolph AFB, or Bergstrom AFB, TX.

30250—SrA Terry W. Whitney, 1130 Delmar Nr. 19, Papillico, NE (Offutt AFB), wants McChord AFB, Fairchild AFB or Ft. Lewis, WA, or Utah, Oregon, Wyoming or northern California.

**Brig. Gen. Berry W. Rowe**  
Commander, Air Weather Service  
**David F. Barr**  
Editor

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# From within

## 25th men meet with governor

BERGSTROM AFB, TX—Two Air Weather Service officers met with Texas Gov. Dolph Brisco and members of the National Weather Service and National Oceanic and Atmospheric Agency for the proclamation of Tornado Awareness Week recently.

Lt. Col. George Chapman, 25th Weather Squadron commander, and Capt. John Phillips, a technical consultant, were the AWS representatives.

Governor Brisco acknowledged the various weather service's concerted efforts to prepare the military and civilian publics for the coming severe weather season.

## Maintenance rates 'outstanding'

RAMSTEIN AB, GERMANY—Detachment 2, 31st Weather Squadron's maintenance men recently learned that pride pays. Following an inspection of their work area by the 2nd Weather Wing chief of maintenance staff Det. 2's operation was rated outstanding.

Col. Glenn B. Rumley, 31WS commander, presented achievement certificates to TSgt. Jerrill L. Jones and his maintainers for the accomplishment.

## Recon unit wins special award

SCOTT AFB, IL (MNS)—Weather people of the 54th Weather Reconnaissance Squadron, Andersen AFB, Guam, shared an honor recently.

The 54th was named to receive United of Omaha's Public Service Award. The award is given annually to military commands for humanitarian service to the public beyond their normal military duties. The 54th was cited for its airdrops of Christmas gifts to outlying islands of the Trust Territory of the Pacific.

## Santa project aids families

DOVER AFB, DE—Members of Detachment 5, 7th Weather Wing here, earned money during the Christmas season playing the role of Santa Claus. From their efforts the unit commander, Maj. Kenneth Rogowski, was able to present a \$150 check to the base's Good Shepherd Project. The Good Shepherd Project aids needy families throughout the year.

## Four attend High Flight

SCOTT AFB, IL (MNS)—Four of the 50 captains and majors who attended the High Flight program at Headquarters, Military Airlift Command here were weathermen.

Chosen from throughout Air Weather Service were Maj. Robert W. Endlich, Detachment 4, 3rd Weather Squadron, Davis-Monthan AFB, AZ; Maj. Larry R. Heaton, AWS Headquarters here; Maj. Raymond Jojola, 2nd Weather Wing, Kapaun AS, Germany; and Capt. John O. Nett, Det. 8, 26 WS, Griffiss AFB, NY.

## Tippin gets UK Scout post

RAF LAKENHEATH, UK—SSgt. Wayne Tippin Sr., Detachment 3, 31st Weather Squadron here, is now a roundtable commissioner for scouting affairs at American bases in Suffolk and Norfolk, UK.

As a commissioner, he coordinates scouting activities and provides training to adult leaders of American Boy Scout troops in England's East Anglia Region.

Sergeant Tippin has been a registered adult Boy Scout leader for 11 years, during which he was a cubmaster and scoutmaster of several troops in Hawaii, Idaho and the United Kingdom.

His most recent troop position was as scoutmaster of Troop 419, whose members' Scout spirit earned them a "bicentennial weekend" as guests of Sir Stuart Mallison on his Essex estate.

permission, but credit to the Air Weather Service OBSERVER is requested. News, features, art or photographic material is solicited from readers, but publication depends on the judgement of the OBSERVER staff. No payment will be made for contributions. Paid advertising is not accepted. Editorial office phone numbers are: 618 256-5003/4615 or Autovon 638-5003/4615.



A FIVE MILLION candlepower beam is needed to allow the light to reflect off the base of clouds during measurement. The light is

used by the GMQ-13 ceilometer, which measures the amount of light reflected back. With the light source on full bright, SSgt.

George Burroughs as a matter of routine uses a meter to check the regularity of its voltage source.



THE DELICATE TOUCH is what SSgt. Rick Hovarter gives an RVR-400 computer power supply he repairs.



A BIRD'S EYE VIEW is given to solid state weather equipment being repaired by SSgt. Rick Hovarter. The view is through a circular magnifier, which is used for the "Little Big Jobs."

U.S. Air Force photos  
by SSgt. Mike Creen

# Small unit has large job

by  
TSgt. Edwin Clark  
Detachment 3, 1WW

Detachment 3, 1st Weather Wing, is an obscure operation tucked away behind the base's consolidated personnel office in Yokota AB, Japan's Hangar Six. The job done by the little Air Weather Service Chief of Maintenance (COM) unit, however, is the dividing line between Yokota AB knowing whether adverse weather is approaching it or not.

The people of Det. 3 are the maintainers who allow forecasters to know, while the sun is shining, that it may rain an hour later. Det. 3 insures that forecasters, who are in air conditioned offices, to know it is 80 degrees outside or that the wind is from the south at 20 miles an hour.

The unit's people are the ones who make weather equipment operates properly at Yokota AB—then make sure it stays that way.

Det. 3 has 18 electronic technicians to serve Yokota AB—but they have yet another task. They do COM functions for weather work centers in Korea, the Republic of the Philippines, Okinawa and Guam. The COM staff of Det. 3 controls maintenance, material quality and production for all weather equipment repair facilities throughout the Pacific Air Force, except in Hawaii.

The unit's maintenance structure is the same as that of aircraft and communications maintenance functions, but on a smaller scale. The people of Det. 3 know the maintenance job is vital. Without it the business of weather would return to wet fingers jabbed into the air, thermometers and looking out windows for signs of rain.

TO REPLENISH mercury in a barometer requires that SSgt. John Coursen, Detachment 3, 1st Weather Wing, Yokota AB, Japan, wear rubber gloves and special clothing.



A1C LYLE HOPKINS reassembles an AN/FPS-77V weather radar pedestal with the guidance of his supervisor, TSgt. Julius Wetzel. Such operations are plentiful in Detachment 3, 1st Weather Wing, Yokota AB, Japan.



THE EERIE appearance of the FPS-77 weather radar radome takes on a television space program appearance. SSgt. Dave Graef adjusts the unit's antenna elevation drive system.

# AWS salutes. . . .

## MEDALS

**Meritorious Service Medal:** Maj. Robert G. Curry, Air Weather Service Headquarters (AWS), Scott AFB, IL.

**Air Medal:** TSgt. Don D. Sinclair, Detachment (Det.) 4, 7th Weather Wing (WW), Altus AFB, OK.

**Air Force Commendation Medal:** (three oakleaf clusters (OLC) Capt. Marcus L. Sherrill, Air Force Global Weather Central (AFGWC), Offutt AFB, NE; (two OLC) SMSgt. Sam R. Griffith, Det. 15, 31st Weather Squadron (WS), RAF Mildenhall, UK; (one OLC) TSgt. Dennis D. Calhoun, Det. 24, 26WS, K.I. Sawyer AFB, MI, Capt. Donald R. Hay, MSgt. Terrell S. Birth and TSgt. James L. Buckley, AFGWC; (basic medal) Capt. John M. King, Det. 23, 2WS, Kirtland AFB, NM, TSgt. John J. Penne and SSgt. Terry F. Landsvork, Det. 10, 30WS, Kunsan AB, Korea, Maj. Kenneth G. Rogowski and MSgt. Gerald Berth, Det. 5, 7WW, Dover AFB, DE, SSgt. Albert M. Robbins, Det. 11, 7WW, McChord AFB, WA, TSgt. Walter Livingston, Det. 25, 5WW, Howard AFB, CZ, Sgt. Richard R. Paxton, Det. 11, 2WS, Patrick AFB, FL, Maj. John C. Reimer, 30 WS, Yong San, Korea, MSgt. Robert L. Andersen, Det. 6, 3WS, Homestead AFB, FL, Sgt. Ralf Gruhn, Det. 20, 24 WS, Laughlin AFB, TX and SSgts. Paul J. Shaw and Joseph L. Pelletier, AFGWC.

**Army Commendation Medal:** SrA Michael D. Waldemer, Det. 13, 5WS, Ft. Eustis, VA.

**Air Force Good Conduct Medal:** Sgt. Thomas E. Cabeen, Det. 2, 7WW, Travis AFB, CA, and SrA Susan M. Reyes, Det. 5, 7WW, Dover AFB, DE.

## SPECIAL HONORS

SSgt. James Schmidt, Det. 13, 5WS, Ft. Eustis, VA, received an Army Achievement Certificate for outstanding meritorious service.

The AWS Safety Officer and NCO of the Year (additional duty) are Capt. Earl C. Bogard Jr., Det. 20, 26WS, Barksdale AFB, LA, and TSgt. Finis R. Herron, Det. 36, 31WS, RAF Alconbury, UK, respectively.

## EDUCATION

SSgt. Louis B. Wooding, Det. 11, 2WS, Patrick AFB, FL, received a bachelor of science degree from Rollins College.

## SERVICE SCHOOLS

Sgt. Charlotte S. Mason, Det. 21, 2WW, Kindsbach, Germany, completed the NCO Leadership School (NCOLS).

MSgt. Robert L. Hagan, Det. 14, 26WS, Blytheville AFB, AR, received a Career Education Certificate in weather forecasting through the Community College of the Air Force—a base first.

SSgt. Robert E. Monroe, Operating Location (OL) D, 7WS, Pirmasens, Germany, completed NCOLS.

Maj. Henry M. Baddley Jr., Det. 12, 7WS, Finthen, Germany, completed an Army language course.

TSgts. Jackie E. Morgan and Waldamer C. Halton, AFGWC, completed the NCO Academy (NCOA).

NCOLS graduates include SSgt. Michael M. Deseure, Det. 11, 2WS, Patrick AFB, FL, and SSgts. Jon P. Avery and Fred R. Harmon, AFGWC.

TSgt. Michael L. Dimmons, Det. 25, 5WW, Howard AFB, CZ, graduated first in his NCOA class.

## UNIT HONORS

Unit awards went to SSgt. James Schmidt, Det. 13, 5WS, Ft. Eustis, VA, NCO of the Quarter (NCOQ); SrA Michael D. Waldemer, Det. 13, 5WS, Ft. Eustis, VA, and A1C Ronald S. Smith, Det. 14, 26WS, Blytheville AFB, AR, Airmen of the Quarter (AOQ).

A1C Marshall W. Baer, an observer, is Airmen of the Month for the 53rd Weather Reconnaissance Squadron, Keesler AFB, MS.

Sgt. Joan Sakos, a weather equipment specialist with Det. 8, 31WS, Zweibrücken AB, Germany, made it a clean sweep for her section when she became an NCOLS distinguished graduate (DG). In her three-person shop all have won NCOLS honors—two DGs and an honor graduate. The others are Sgts. William Leng and Larry Bruhardt.

In the 2WW, honors went to A1C George L. Cline, OL-C, 7WS, Bad Tolz, Germany (AOQ); SSgt. Robert G. Collier, 2WW, Kapaun Bks, Germany, (NCOQ); and MSgt. Gayle J. Fenner, Det. 4, 31WS, (Top Three NCOQ).

Sgt. Virginia A. Diehl, Det. 7, 31WS, Aviano AB, Italy, is the 31WS NCOQ.

A1C Newton A. Reid, TUSLOG Det. 2, is his parent squadron's AOQ.

Det. 1, 7WS, Feucht, Germany, received its sixth consecutive, semi-annual 2WW Forecasting Excellence Award.

Sgt. William J. Lynch Jr., Det. 7, 7WS, Graffenwoehr, Germany, won the 2WW Safety Poster Contest competing against 93 other entries.

The 7WS quarterly award winners are MSgt. Alfred L. Schwigel, Det. 11, Coleman Bks, Germany, (Senior NCOQ); Sgt. David G. Beiler, Det. 11, Coleman Bks, Germany, (NCOQ); and A1C George L. Cline, OL-C, Bad Tolz, Germany, (AOQ). The squadron's NCO of the Year award went to TSgt. Philip D. Henderson, Det. 1, Feucht, Germany.

MSgt. Robert L. McDaniel, Det. 17, 24WS, Williams AFB, AZ, is the 24WS' Supervisor of the Year for 1976.

## PROMOTIONS

**To captain:** L. Scott Cox, an aerial reconnaissance weather officer, 53rd Weather Reconnaissance Squadron, Keesler AFB, MS.

**To chief master sergeant:** Jack D. Dubose, station chief, Det. 14, 26 WS, Blytheville AFB, AR.

**To senior master sergeant:** Arthur O. Johnson, Det. 20, 2WS, Eglin AFB, FL, and James R. Fraser, AFGWC.

**To master sergeant:** Barry E. Golembiewski, Det. 7, 2WW, Teheran, Iran; Dennis R. Cook, Det. 20, 24WS, Laughlin AFB, TX; and Ronald P. Pettit, AFGWC.

**To technical sergeant:** David F. Conroe, James L. Groebner, Robert J. Hooker and Kenneth V. Newell, AFGWC.

**To staff sergeant:** Robin L. Barclay, Det. 21, 2WW, Kindsbach, Germany; Warren J. Young, Det. 10, 30WS, Kunsan AB, Korea; and George M. Warner, TUSLOG Det. 2.

**To senior airman:** Michael E. Hancock and Robin Post, Det. 17, 24WS, Williams AFB, AZ; Michael L. Rogers, an observer, 53rd Weather Reconnaissance Squadron, Keesler AFB, MS; Cynthia J. Laumer, Det. 22, 24WS, Keesler AFB, MS; Hobby H. Gotthardt, Det. 2, 7WW, Travis AFB, CA; Ronald E. Ede and Laura L. Monaghan, Det. 20, 2WS, Eglin AFB, FL; Dewey Williams and Newton Ried, TUSLOG Det. 2; David R. Schaffter, Det. 11, 2WS, Patrick AFB, FL; Kim J. Greeley, Det. 21, 2WS, Edwards AFB, CA; and Richard Altenburg, Roger B. Burgett, Debra J. Cage, Roger J. Cannon, Richard T. Fuller, Randall M. Gray, Stephen G. Green, David A. Laube, Donald L. Mercer, James T. Shelley, Bruce R. Thorsland and Craig A. Vogel, AFGWC.

**To airman first class:** Francisco Penabad, Det. 21, 2WW, Kindsbach, Germany; Steven W. Bogdahn, Richard A. Borsos, Peter D. Bylsma, Gail J. Cleaver, Ronald L. Bunek, John A. Hales, Joel A. Halverson, Paul A. Hayes, Kerry L. Jones, Scott A. Marcus, Jeffrey C. Strong, Charles L. Vogel and Virginia A. Young, AFGWC; and Charles N. Suggs, Det. 22, 24WS, Keesler AFB, MS.

**To airman:** Denise J. Ambuehl, Linda L. Barnes, Vicky L. Chatham, Randy A. Foster, Terry C. Haggard, Steven W. Krull, David K. McCleary, Raymond E. O'Brien, David P. Siebert and Frank Walker, AFGWC; Karen S. Root and Johnny L. Mathis, Det. 22, 24WS, Keesler AFB, MS; and Jaime Acresloya and Stephen P. Taylor, Det. 6, 3WS, Homestead AFB, FL.

## CIVILIAN HONORS

Gladys F. Mena, a secretary with Det. 25, 5WS, Howard AFB, CZ, received an outstanding achievement award for job performance.

Helen Balen and Kathy Ingram, AWS, received outstanding performance rating certificates.

## COMMAND ASSIGNMENTS

Maj. William R. Hill accepted command of Det. 6, 3WS, Homestead AFB, FL, from 1st Lt. John D. Weisser. Major Hill came to Homestead AFB from the Armed Forces Staff College.

Maj. Myron D. Smith now commands Det. 8, 5WS, Ft. Riley, KS.

Lt. Col. James W. Sartor Jr. now commands Det. 10, 2WS, Eglin AFB, FL.

## MARRIAGES

A1C Steven P. Taylor, Det. 7, 5WS, Ft. Ord, CA, married A1C Deborah L. Hooke, Det. 29, 25WS, Buckley ANGB, CO, in Atlanta, GA, Oct. 2.

Sgt. Edward Wayne Harris married Amn. Nancy E. Wohlers on post Oct. 2. The bride and groom are members of Det. 7, 5WS, Ft. Ord, CA.

Sgt. Joan C. Ashby, a weather equipment technician with Det. 8, 31WS, Zweibrücken AB, Germany, was married to SSgt. Patrick H. Sakos, Nov. 19, 1976.

A1C Charles J. Hughes III, Det. 20, 25WS, Buckley ANGB, CO, married Martha Lee Shwayder, Jan. 4, at Denver.

## BIRTHS

SSgt. and Mrs. Ludwik M. Chobot, son, Ludwik M. Jr., Jan. 11. Father is a forecaster with Det. 1 15WS, Tinker AFB, OK.

A1C and Mrs. Tim Pierce, son, Xavier Labyron, Dec. 24. Father is an observer with Det. 21, 7WW, Pope AFB, NC.

A1C Victoria Kittay and husband, son Jason Grant-Jerome, Jan. 5. Mother is an observer with Det. 5, 3WS, England AFB, LA, and the father is a base security policeman.

SSgt. and Mrs. Gary L. Johnson, daughter, Kelly Lybn, Dec. 2. Father with Det. 10, 5WS, Ft. Benning, GA.

Sgt. and Mrs. Dwight D. Luginbill, daughter, Valerie, Dec. 28. Father is an observer with Det. 6, 3WS, Homestead AFB, FL.

Maj. and Mrs. John E. Shaughnessy Jr., daughter, Maurya Colleen, Jan. 4. Father commands Det. 21, 9WS, Minot AFB, ND.

SSgt. and Mrs. Daniel E. Freeman, son, Matthew E. Dec. 6. Father is a forecaster with Det. 17, 9WS, Ellsworth AFB, SD.

Capt. and Mrs. Harold E. Diekman, son, Matthew Henry, Jan. 6. Father is a weather instructor at Vance AFB, OK.

Capt. and Mrs. Alan E. Ronn, son, Paul Alan, Jan. 14. Father with Det. 1, 7WS, Feucht AAF, Germany.

A1C and Mrs. John C. Spaller, daughter, Sarah, Jan. 19. Father is an observer with Det. 8, 5WS, Ft. Riley, KS.

A1C and Mrs. Alfred A. Montalvo, daughter, Farrah Patrice, date not provided. Father is an observer with Det. 10, 2WS, Eglin AFB, FL.

SrA and Mrs. Robert L. Altman, daughter, Kelly Lynn, Jan. 14. Father with Det. 23, 26WS, McConnell AFB, KS.

SSgt. and Mrs. Melvin W. Mann, daughter, Rebecca Linn, Dec. 23. Father with Det. 5, 7WW, Dover AFB, DE.

Sgt. and Mrs. Kenneth F. Westbrook, son, Kenneth Floyd II, date not provided. Father with Det. 10, 2WS, Eglin AFB, FL.

SrA and Mrs. Robert Seggerman, son, Ryan Matthew, Jan. 31. Father with Det. 21, 24WS, Craig AFB, AL.

TSgt. and Mrs. Cecil C. Milam, son, George David, Jan. 7. Father is a forecaster with Det. 4, 7WW, Altus AFB, OK.

SSgt. and Mrs. Edmund D. Wallace, daughter, Amanda Lodee, Jan. 27. Father is a forecaster with Det. 4, 7WW, Altus AFB, OK.

Sgt. and Mrs. Warren J. Young, daughter, Keysha Jazzella, Jan. 28. Father is an administrator with Det. 10, 30WS, Kunsan AB, Korea.

MSgt. and Mrs. Cecil C. Hamer Jr., daughter, Melissa Ellen, Feb. 8. Father is with Det. 25, 5WW, Howard AFB, CZ.

Sgt. and Mrs. Thomas L. Lees, son, Jason Patrick, Feb. 27. Father is a rawinsonde observer with Det. 10, 2WS, Eglin AFB, FL.

A1C and Mrs. Robert C. Walker, son, Geoffery Robert, Feb. 27. Father is a rawinsonde observer with Det. 21, 2WS, Edwards AFB, CA.

2nd Lt. and Mrs. Steven J. Naglic, son, Paul Mathew, date not provided. Father is with AFGWC.

SSgt. and Mrs. Teofil Sluschewski Jr., daughter, Angela Marie, date not provided. Father with AFGWC.

SSgt. Mark W. Hall and wife, 1st Lt. Laurie K. Hall, son, Mark Wayne, Feb. 14. Father is a weather maintenance technician and mother a forecaster with Det. 5, 3WS, England AFB, LA.

## REENLISTMENTS

MSgt. Joseph R. Carney, forecaster, Det. 3, 7WS, Heidelberg, Germany; SMSgt. Ernest M. Brown and TSgt. John A. Herge, Det. 6, 12WS, Peterson AFB, CO; SSgt. Watson, Det. 20, 24WS, Laughlin AFB, TX; TSgt. Cecelia V. Goreczny, AWS; Sgt. Mickey D. Berry, Det. 15, 24WS, Vance AFB, OK.

Sgt. Jerry R. Coleman, Det. 23, 26WS, McConnell AFB, KS; SrAs Alan W. Strayer and Susan M. Reyes, Det. 5, 7WW, Dover AFB, DE; SrA Paula A. Cotter, Det. 2, 7WW, Travis AFB, CA; SrA David W. Adkins, Det. 14, 31WS, Hahn AB, Germany; and SMSgt. Dam R. Griffith, Det. 15, 31WS, RAF Mildenhall, UK.

MSgt. Albert Chavez, Det. 29, 25WS, Buckley ANGB, CO.

SMSgt. Larry J. Burns, Det. 21, 2WW, Kindsbach, Germany.

MSgt. Buford M. McKenzie, Det. 6, 3WS, Homestead AFB, FL.

## Lesson from history

# Cassino: rain beats Allies

by  
John Fuller  
AWS Historian

Allied strategy, in early 1944, was to resume the initiative in Italy to pressure Germany to shift troops and tanks from Eastern France—where the Allies were to invade during the summer.

Operations in Italy had bogged down during the 1943-1944 winter because of German resistance, terrain and weather.

In February 1944, Allied forces, stalemated 75 miles southeast of Rome, planned to renew the advance on the capital. Key to the offensive was German defenses around Cassino, which controlled a valley leading to Rome. Spearheading the attack would be New Zealand's two-division corps with its more than 15,000 vehicles. It would be commanded by Gen. Bernard C. Freyberg.

Gens. Mark W. Clark, Freyberg and Henry A. "Hap" Arnold (the U.S. Army Air Forces (AAF) commander) thought the offensive should start with an all-out AAF bombing of Cassino. Lt. Gen. Ira C. Eaker, who commanded the bombers to be used, was dubious of the plan. General Eaker believed General Freyberg's forces could not take advantage of an air attack due to steady rains which were falling. The rain had forced nearby streams from their banks, destroyed bridges and turned the land into a quagmire that would stop ground troops as well as tanks.

General Eaker also warned General Freyberg that the huge craters his bombs would make would instantly fill with water and stop tanks. He was overruled.

General Eaker's bombers were to begin the assault any time after Feb. 24, but General Freyberg demanded a weather forecast of three consecutive rain-free days before he would attack. He said the three days would give planes good visibility and tanks dry ground.

To Capt. David M. Ludlum, 12th Weather Squadron, fell the task to make the critical forecast. His forecasting problem was complex and difficult. Italy's winter weather seldom was good and when it was poor on one side of the country it was usually

good on the other. When it was clear at Cassino (the bombers required clear skies to 14,000 feet) there might be zero visibility at the aircraft's home fields.

For three weeks foul weather prevailed—and pressure on Captain Ludlum mounted.

In early March General Clark urged General Freyberg to attack without ideal weather, but the New Zealander was adamant. On Mar. 14, Captain Ludlum told the generals that favorable weather conditions would begin the next day.

Before dawn, on Mar. 15, Allied troops withdrew 1,500 yards from their forward positions around Cassino. At 8:30 a.m. that morning the first of 475 U.S. bombers arrived in the greatest massed air attack of the war to date to directly support of ground forces. *Time* magazine tagged it "Operation Ludlum."

For the next three and one half hours the ground, for five miles around Cassino, shook as bombers flattened the city.

Unfortunately for Captain Ludlum, the Cassino weather clouded up in the afternoon, cancelling other planned bomber strikes.

As the New Zealand infantry advanced, supporting tanks were halted by debris and bomb craters, some of which were 70 feet long. By dusk, heavy rains began and continued through the night. Bomb craters and spongy ground stopped Allied tanks. By dawn the following day both sides knew tanks could not pass through Cassino for at least 36 hours.

The rains were a respite for the Germans. They took the opportunity to reorganize and reinforce their positions. On Mar. 23, Allied decision makers, 2,000 of their troops lost and the rest exhausted, called off the offensive.

Looking back at the failure at Cassino, air commanders felt ground forces were too late with too little following the bombing. Ground commanders felt the AAF had overstated what they could do in support of the ground troops. On two points they all agreed; failure could be firmly attributed to a strong German defense and the unforecast rain.

In May 1944, the Allies did overrun Cassino—but only after rest and the arrival of clear, dry weather.



1st Lt. Nancy Holtgard

## Pair works weather; she above, he below

ANDERSEN AFB, GUAM—There are relatively few aerial reconnaissance weather officers (ARWO) on active duty. One of them, 1st Lt. Nancy Holtgard, is even one of a kind and flies with the 54th Weather Reconnaissance Squadron here. She is the first woman to be an Air Force ARWO.

In her new position Lieutenant Holtgard will join a growing group of airborne weather women; the others are crewmembers, not ARWOs. She will now make weather observations and gather data by penetrating typhoons in the Pacific area.

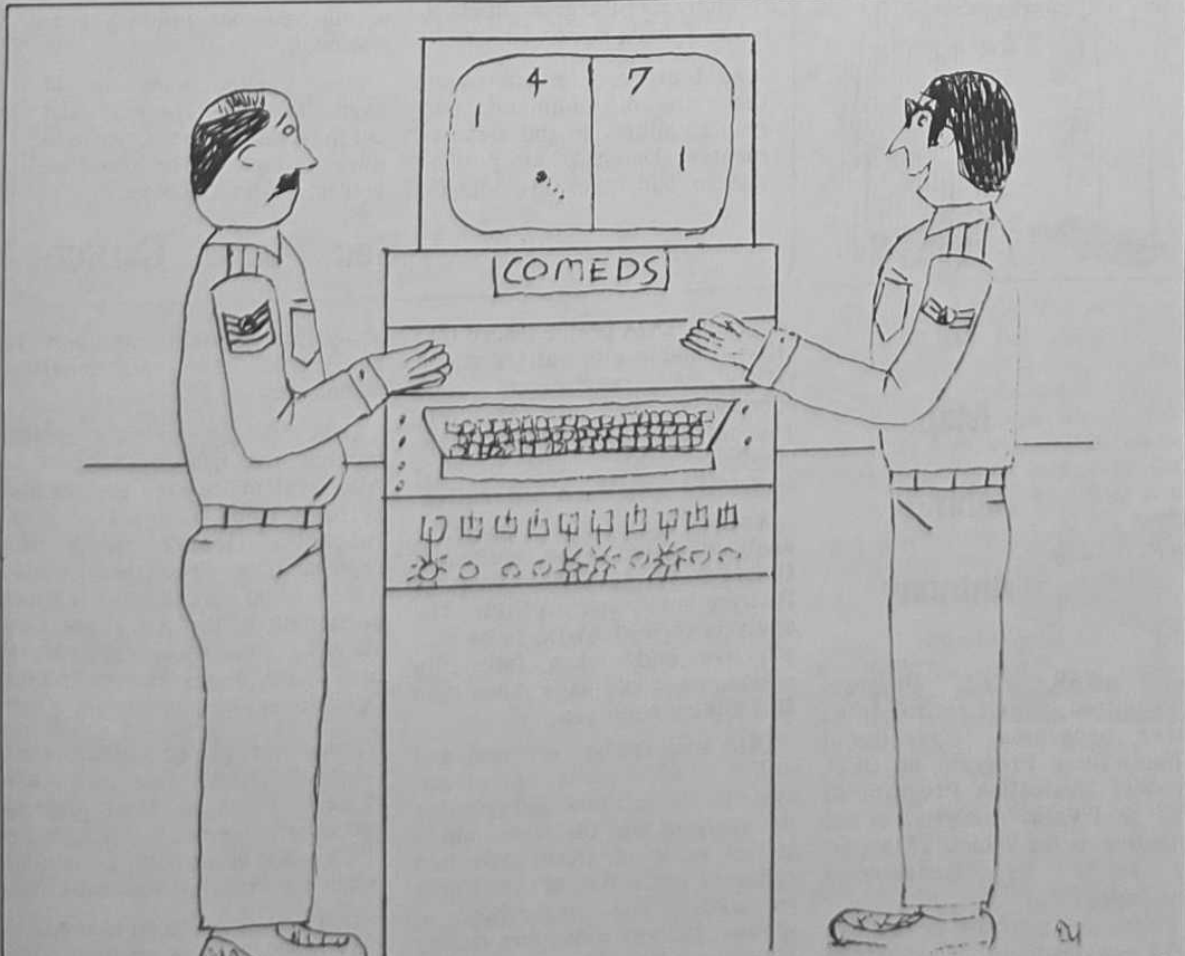
Bringing Lieutenant Holtgard even closer into the weather family is her husband's position at Andersen AFB. He is SSgt. Conrad Holtgard, a member of Detachment 2, 1st Weather Wing. Sergeant Holtgard's organization works closely with the 54th.

Lieutenant Holtgard became interested in the Air Force as a career through a friend who was getting his masters degree in meteorology through the Air Force Institute of Technology. At the time Lieutenant Holtgard worked for the National Weather Service in Coral Gables, FL. "The Air Force's weather career field was a natural for me because of my degree."

In telling of how she decided to become an ARWO, she said, "I grew up in Miami, FL, and was always fascinated by the hurricanes we had. My work at the National Hurricane Center (Coral Gables, FL) furthered my interest in meteorology. Being an ARWO gives me a chance to experience tropical cyclones first hand."

The one drawback felt by Lieutenant Holtgard is the same as those faced by other women entering career fields as "firsts." She said, "I feel that being the first female ARWO puts pressure on me. Everyone will be looking at my performance to judge how a female fits into a crew and the feasibility of having more of us as ARWOs."

Her husband doesn't particularly care for his wife being in so much danger as her aircraft flies into a typhoon's eye, even for the sake of others, but according to his wife, "He has accepted it."



by SrA Dennis D. Umland, Detachment 28, 26th Weather Squadron, Wurtsmith AFB, MI

## OBSERVATION

### Hanscom AFB drops 'L.G.'

HANSCOM AFB, MA (MNS)—The Air Force formally dropped the "Lawrence G." from the name of Hanscom AFB. The Air Force operated the airfield under a long-term lease with the port authority and was often cited as an example of a joint civilian-military flying operation. Flying activities stopped here in 1973.

### CSC refutes untrue complaint

SCOTT AFB, IL (MNS)—The U.S. Civil Service Commission (CSC) denied a frequent complaint that civil servants are not creative or hard working and that mediocrity is encouraged.

The CSC says that, on the contrary, records show that during the last fiscal year 131,000 federal workers contributed ideas and actions that resulted in \$333 million in tangible benefits to the government.

Each dollar spent, the CSC says, gained the government \$13 in benefits and one in 11 federal workers was recognized for constructive ideas or performance last year.

### CCAF provides degrees now

WASHINGTON, DC (AFNS)—Enlisted persons can now earn associate degrees through the Community College of the Air Force (CCAF) due to a recent decision by the U.S. Commissioner of Education.

The action means enlisted people can earn two-year college degrees by combining military instruction the CCAF certifies to be equivalent to college-level courses with specified courses from civilian institutions.

Weather people desiring to look further into the subject should contact their serving education office.

### Reunion set for '40s class

UPLAND, CA—Former Air Force and Navy weather officers who were members of the University of California—Los Angeles meteorology class III (February-November, 1942) and their instructors will have a reunion in the Los Angeles area Oct. 22. Interested persons are asked to write to Bob Johnston, 1193 North Palm Ave., Upland, CA 91786, for more information.

### MAC gains new academy

SCOTT AFB, IL (MNS)—Weather people now attend the Military Airlift Command's (MAC) second official NCO Academy, which is located at McGuire AFB, NJ.

MAC is the only major air command with two NCO academies. References to the two schools are "MAC NCO Academy—East" (McGuire AFB) and "MAC NCO Academy—West" (Norton AFB, CA).

## Korean gets something to smile about

OSAN AB, KOREA—Through the help of Detachment 15, 30th Weather Squadron people here, a seven-year-old Korean boy, Cha Sang Ik, got the best Christmas gift he ever had.

Cha Sang Ik was born afflicted by what is commonly called a "hair lip" and drastically crooked teeth, a condition he and his parents could not afford to have corrected.

Det. 15, in a "Help Cha" drive, collected \$425 then TSgt. George R. Argyle, unit project officer, found a doctor willing to operate at no cost.

Due to the doctor's generosity, Det. 15's money was enough to pay the assistants needed for the operation.

The operation was pronounced a success and Cha Sang Ik now has a normal smile.

I'm in weather,  
why do you ask,  
Sarge?



## Sports shorts

### Weatherman runs marathon

ANDERSEN AFB, GUAM—Detachment 2, 1st Weather Wing, had its own "Marathon Man" in a recent Honolulu race.

Elmer "Pete" Weir came in 281st in a field of 1,600 during the Honolulu Marathon. He covered the 26-plus-mile course in three hours, 24 minutes, Pete was part of a five-man team from Guam, which took second place in the military division.

### Dependents set four records

HICKAM AFB, HI—Two weather dependents recently set four Hawaiian swim records for their age group. It happened during the American Athletic Union's Sixth Annual Aulea Invitational Diving and Swimming Championship Tournament near here.

Keith and Julie Fischer, 14 and 12 years old respectively, are the son and daughter of Lt. Col. and Mrs. Hans Fischer, Detachment 4, 1st Weather Wing here.

Julie, who was in her seventh swim meet when she set records in the 50-meter and 100-meter breaststroke events, swam as a member of the Schofield Sharks Swim Club. Julie has won seven consecutive swimming awards and this year was recognized as the meet's outstanding female swimmer in her age group.

Keith swam for the Punahou School to break the 200-meter freestyle relay and 200-meter medley events.

The Aulea Invitational was held at the Kaneohe Marine Corps AS, HI, this year.

## FAREWELL (Continued from page 8)

essence of the command, man world-wide weather stations, devote your life to saving lives, or photograph these stories as they unfold.

Together, we have effectively combined the strategic and tactical airlift forces, and have assumed the greater responsibilities of a specified command.

Through all of this we successfully met the growing challenge of doing more with less.

As I prepare to hand over the reins of command, our responsibilities to the Department of Defense, our nation, and to our allies are signifi-

cantly greater than ever before.

Although the future will be demanding, with untold challenges, you are up to it. You have proven this by your ability, your dedication, and your effectiveness.

As I bid farewell, I do so with an abiding faith in the future, a faith founded on my belief in the greatness of our nation, our people, and, most of all, you—our military professionals.

Mrs. Carlton joins me in saying farewell. The past, and our past associations, we will always treasure. The future we entrust to you. Goodbye.

**Gen. Paul K. Carlton**

**D**  
**O**  
**A**

ON HEADQUARTERS  
SPOT-LIGHT  
**AWS**

The Directorate of Evaluation (DOA) is one of six operating under the deputy chief of staff, Operations, and is headed by Lt. Col. John H. Haneklau.

Other DOA people are Maj. William A. Albro, John T. Anthony and Arthur C. Kyle; CMSgt. Charles F. Schutte; and Ms. Avon Bradshaw.

The main job of DOA is to develop and manage evaluation

programs to measure the technical quality and usefulness of Air Weather Service (AWS) environmental support. The support is for the Air Force, U.S. Army activities and the Department of Defense. This means DOA manages the AWS program which insures that weather observations, forecasts and related environmental products conform to established quality standards. The

new AWSR 178-1, Program Evaluation, which consolidates three programs (Operational Effectiveness Program or OEP, Product Evaluation Program or PEP and Value Analysis) in one directive, is the vehicle DOA uses to fulfill its management responsibilities.

Economic analysis is another DOA responsibility. To assist the AWS commander to plan for future

by

Maj.

John T.

Anthony

programs, DOA people insure that all reasonable alternatives which satisfy a requirement and operational need are analyzed. This involves quantifying, where possible, costs and benefits associated with each alternative.

A recent example of an economic analysis related to the continental United States Automated Weather Distribution System (AWDS). The analysis showed AWDS to be cost effective and, when fully implemented, could save more than \$8.5 million each year.

DOA analyzes use, economy and utility of AWS plans, operations, systems and equipment. Typical of the analyses was the recent study of the value of storm detection radar to protection of Air Force resources. The evaluation of mission success indicators during Exercise Reforger 76 is an example of how DOA works with a

wing during field exercises to analyze new forecasting techniques.

DOA people provide membership and analysis support to AWS system working groups and perform trend analyses of MAC Inspector General inspection reports. The directorate is also AWS' focal point for matters pertaining to the Air Force Outstanding Unit Award, the Moorman and Williams Awards and the Operations Security Program.

Since most projects affect many facets of the AWS mission, few are of short duration. Most projects last several weeks. Some, because of the scope of the task, sometimes require several months work.

Individuals assigned to the DOA play a key role in shaping AWS' future and finding the most cost-effective means to get there.