

Two awards gained, two dropped

Weathermen, units earn AWS awards

SCOTT AFB, IL—Brig. Gen. Berry W. Rowe, Air Weather Service commander, recently announced winners of this year's AWS special awards.

At the same time two new awards, the Collens and Spingler Awards, made their debut. Two others, the Senter and Yates Awards, for aerial weather units, are no longer AWS awards but will be presented by the Aerospace Rescue and Recovery Service later.

The 1976 winners are:

WILLIAMS AWARD

The Williams Award for the

most outstanding weather station unit which provides weather forecasting, observing or briefing goes to Detachment 10, 2nd Weather Squadron, Eglin AFB, FL. Last year's winner was Det. 8, 20WS, Kadena AB, Japan.

MOORMAN AWARD

The Moorman Award for the most outstanding support to a numbered Air Force or higher command goes to Det. 1, 11WS, Elmendorf AFB, AK. There was no winner of this award last year.

BASSETT AWARD

The Bassett Award for the most outstanding upper air section goes to Det. 3, 11WS, Shemya AFB, AK.

There was no winner last year.

COLLENS AWARD

The first winner of the Collens Award is the 120th Weather Flight, Buckley ANGB, CO. The Collens Award goes to the most outstanding Air National Guard weather unit.

PIERCE AWARD

The Pierce Award for excellence in weather forecasting in a non-centralized facility goes to 1st Lt. John C. Karsk, Det. 9, 16WS, Ft. Rucker, AL. Last year's winner was SMSgt. Kenneth R. Walters.

FORECASTER AWARD

(Centralized Facility)
The AWS Forecaster Award

(Centralized Facility) for excellence in weather forecasting at a centralized unit goes to MSgt. Clyde A. Cook, Det. 21, 2nd Weather Wing, Kindsbach, Germany. Last year's winner was Capt. Charles R. Holliday

ZIMMERMAN AWARD

The Zimmerman Award for the best application of climatology, or developing a device or technique of greatest value to the AWS climatology program goes to Maj. Robert E. Dettling, USAF Environmental Technical Applications Center, Scott AFB, IL. Last year's Zimmerman Award

winner was Maj. Dell V. McDonald.

MEREWETHER AWARD

The Merewether Award for the most significant technical contribution to military meteorology goes to Capt. Robert D. Abbey, Air Force Global Weather Central, Offutt AFB, NE. He designed, developed and implemented a new technique for point analysis. Captain Abbey has since been assigned to Washington. Last year's winners were Capt. Robert G. Feddes and Robert D. Smith.

BEST AWARD

* The Best Award, which is given for excellence in performing
(Continued on Page 8)



AIR WEATHER SERVICE

OBSERVER

INSIDE:

On page 2 General Rowe tells of changes which touch the lives of all weather people in one way or another.

Vol. 23, No. 4

Headquarters, Air Weather Service, Scott AFB, IL.

April 1976



AT THE OPENING 1st Lt. Fred Lewis, second from right, demonstrates the way to start the Air Force Global Weather Central's [AFGWC] new UNIVAC 1110 computer system.

Watching, left to right, are Harry Trailer, UNIVAC's Air Force branch; Col. Richard Y. Newton [partially obscured], Offutt AFB, NE,

commander; Brig. Gen. Berry W. Rowe, Air Weather Service commander; and Col. Arthur Bidner, AWS deputy chief of staff for systems.

The new computer system will be the primary processor of weather satellite data about cloud information. [U.S. Air Force photo by Capt. Mike McGaughy]

Promoted to captain

Fifty to 'double their pleasure'

SCOTT AFB, IL—Fifty Air Weather Service first lieutenants were recently selected to be promoted to the temporary rank of captain. According to the Air Force Military Personnel Center, Randolph AFB, TX, they are:

1st Weather Wing

Frank B. Bryson, Cory R. Chadwick, Ronald L. Heitz, Robert T. O'Donnell and Mark Riesenberger.

2nd Weather Wing

Jack D. Atkinson, George A. Baliany Jr., Michael J. Baran,

Donald E. Cook, Alan W. Gibbs, James D. Hilt and Alan E. Ronn.

3rd Weather Wing

Douglas A. Eza, Paul H. Hrder II, Phillip J. Johnson, Stephen A. Lawson, Michael W. Mader, Kenneth J. Patterson, Thomas M. Quigley, William R. Schaur Jr., Robert L. Sears, Rodney A. West and Paul A. Zamiska.

5th Weather Wing

Michael J. Baker, Bruce R. Carter, Edward J. Eadon, Larry L. Fisackerly, Kay T. Perry, Marvin E. Pershing, Gerald D. Swoboda, Thomas P. Walters and

Raymond E. Wietholter.

7th Weather Wing

Thomas H. Farr, Dudley B. Killam, John T. Lauten, Michael S. Risch and Richard E. Watts.

AFGWC

Gary N. Allen, John P. Byszewski, Cynthia Y.L. Hee, Paul B. Knutson, David A. Kolarik, Fred P. Lewis, William F. Markert, David B. McCoy, Kenneth R. McDonald, Ronald D. Townsend and David L. Wilson.

AWS

Stephen W. Carroll and Henry L. Jacocks.

AWS takes nine MAC safety titles

SCOTT AFB, IL—For the third consecutive year the Air Weather Service (AWS) won the Military Airlift Command (MAC) Commander's Trophy for Ground Safety, Group II. Additionally, AWS' SSgt. Ira C. Lunt, 2nd Weather Wing (WW), Ramstein AB, Germany, won the title of MAC Safety NCO of the Year. Of the 39 other safety awards given to MAC units and people, seven went to AWS.

The Commander's Trophy for Ground Safety is given to the technical service which maintains accident rates below the MAC standards in at least five of seven safety categories, such as private motor vehicle accidents, military disabling injuries, on-duty injuries and government motor vehicle

accidents. The unit also must reduce accidents by five per cent or more in at least two of the categories. AWS' reduction came in fatalities and private motor vehicle accidents.

The 2WW, competing with other wing-size organizations having effective ground safety programs, was awarded the MAC Ground Safety Achievement Award. The 2WW was one of six units chosen for the honor.

Six AWS organizations were selected for the Private Motor Vehicle Safety Award, which was given to 15 units. The AWS units were the 1WW, Hickam AFB, HI; 2WW, Ramstein AB, Germany; 5WW, Langley AFB, VA; 3WW and Air Force Global Weather Central, Offutt AFB, NE; and Headquarters AWS, Scott AFB, IL. To earn the award units had either to be fatality free or have reduced their 1974 fatality rate by 25 per cent or more. AWS met both of these requirements.

Sergeant Lunt's selection for the individual award now moves him into Air Force safety competition as one of MAC's two nominees. The other is Capt. Roland J. Page, 37th Aerospace Rescue and Recovery Squadron, F.E. Warren AFB, WY.

Brig. Gen. Berry W. Rowe, AWS commander, on behalf of all AWS people, will accept the MAC Commander's Trophy as part of a special presentation ceremony during the MAC Commanders Conference here this month.

ARRS begins fourth decade

The Military Airlift Command's Aerospace Rescue and Recovery Service (ARRS) entered its 31st year after celebrating its third decade of service on March 13.

On behalf of my entire command I extend to the men and women of ARRS a hearty congratulations by recognizing that through their unswerving devotion to duty more than 16,000 lives have been saved since 1946. Signed: Brig. Gen. Berry W. Rowe.



Brig. Gen. Berry W. Rowe
AWS Commander

Command line

Commander talks of future jobs, methods

The task of making an observation will be one of supplementing equipment that will be automatically compiling those measurements we get from instruments today.

Initially, we either must eliminate prevailing visibility and total sky cover information from the observation or add it manually to the system. Although we have not yet found a satisfactory means to automate these elements, there are promising technological developments which point toward eventual success. The next step is to modernize the forecasting function with a system which will employ mini-computers and electronic display devices to record and store information we have traditionally displayed in base weather stations.

STILL NEEDED

Our calculations tell us one work center can eventually handle the dissemination of information around the base using cathode ray tube display devices and, at the same time, add needed supplementary information to the automated observing system. (Don't conclude that the term "one work center" means one person, because it may only be true in special cases.)

Will it be a hands-off operation? Not yet—technology just doesn't reach that far yet. The human element is needed to ensure that the system works, to handle severe weather situations and to relay vital data from local radars.

There are lots of things yet to be achieved. We must build our system so the forecaster can go to the Global Weather Central for help on an ARQ basis to meet specialized local needs. We must assuredly change existing workloads at detachments so they can manage the future job.

Thirteen per cent of our aircrew briefing workloads fall in the transient, noncombat training operations category. As such, they simply don't help us prepare to support combat operations.

We're trying to get the Federal Aviation Administration (FAA) to take flight clearance briefings into its coming modernized Flight Service System. We plan to use FAA's pilot remote briefing terminals to do the job. Where possible we will use applicable capabilities of other national agencies to do our job or improve our service.

For example, once an aircraft takes off, the FAA's Air Route Traffic Control System helps the pilot get safely to his destination. The work we're doing with the Kansas City Air Route Traffic Control Center weather unit has the task to substantiate that the flight met watch can be provided to enroute aircraft along with other flight safety promoting services.

USING NCOs

As I have told many of you personally, we plan to apply the talents of our AWS NCO corps to the task of performing AWS' base level mission. Given the dually qualified individual and the automated system to provide us the wherewithal to operate, we then can further exploit our NCOs' capabilities to function as station chiefs and, where possible, detachment commanders. Certainly, there will continue to be a need for NCO expertise in staff positions and centralized production jobs.

USING OFFICERS

The question is frequently asked, "Yes, but what then is the role of AWS officers?" I answer, what we are building for tomorrow is a system which capitalizes on the unique talents of officers and NCOs. To do this, we are engineering our system to gradually withdraw officers from the base Operations duty forecaster environment (except where short periods of training in such tasks which our new officers will receive before progressing to other jobs).

Officers will command our large, multi-mission detachments which support large wings, numbered Air Forces and MAJCOM command posts.

Our officers can expect jobs as wing weather of-

In essence, the NCO will be our specialist in short term forecasting at the local base level. The officer will be our specialist in longer term forecasting at centralized facilities and problem diagnosis, where we can capitalize on the education and training he receives.

ficers and as liaison officers with other agencies. They will work in Global Weather Central, AFSC staff meteorologist positions, the Environmental Technical Applications Center and in the weather support units where they will be the interface with command and control.

We expect staff jobs at all levels of command in AWS will continue to be filled primarily with officers. The AWS of tomorrow holds many challenging jobs for officers and NCOs.

TACTICAL ENVIRONMENT

So what about the tactical environment? How will the future AWS operate in the tactical environment? The answer is in making the ideas we're applying to our fixed base structure work equally well in the tactical environment.

We must ensure that our people can make a contingency situation weather observations and forecasts. We must eventually configure our deployable system to exploit technology applicable to automating the observing function in a tactical environment. Our training must serve us as well as at fixed bases. To that end we work with the Air Force Geophysics Lab and the Army Atmospheric Sciences Lab at White Sands, NM. We know there is a need to improve our capability to support deployed forecasters from the Global Weather Central, and I'm convinced we can succeed.

JOB FUTURE

Let's address some of the specifics of the observer-forecaster job of the future. As indicated previously, we have strong prospects for automating many of today's tasks required to manually prepare an observation.

We are also building a capability into the automated observing system for the on-site processor to make the forecast for a period of up to three hours using conditional climatology. That won't hack it in all cases, because if there is a front or a thunderstorm sitting overhead we will need manual intervention to contribute to that observation and the short range forecast.

If field tests of that system prove the forecasts to be as good as the research tests indicate, we plan to expand the coverage of Global Weather Central's scheduling forecast to take over from the recovery forecast somewhere between the first and third hour.

We are having impressive success in scheduling forecast performance at Global now from the sixth hour out. The potential is there for us to achieve the same success with a centralized terminal forecast which begins in the one-to-three-hour time frame.

WHO IS "WE?"

Will the future AWS I have described work in a contingency situation? It will if we engineer it correctly and do our homework.

Who is that "We" I talk about? It is every person in every weather unit from the operating location right on up the line to AWS Headquarters.

Certainly, much of the program planning and implementation will be done by higher headquarters, and that includes the Air Staff level, but the wings are directly involved in the planning and definition of the systems.

Most assuredly, the continuation of day-to-day operations is in the hands of the individual. We must sustain our service now and throughout the transition period. We must have the dedication of the individual willing to learn new skills for the new system.

The "We" I'm talking about is all of Air Weather Service.

It is clear that we need to improve the understanding throughout Air Weather Service (AWS) of the programs which will take AWS from its present configuration to that of the future. Feedback tells me our people don't fully understand how their job today will evolve to tomorrow's job.

Hopefully everyone in AWS will read these words—they provide an overview of how you, the AWS administrator, maintainer, observer, forecaster, officer, NCO and civilian will fit into our evolving service. They also explain the changes in the way we do business that are taking place in AWS.

Please understand, I'm not talking about something that's theory. We have started and are committed to courses of action that lead to the irrefutable conclusion that we are changing the way we serve the Air Force and Army. Initial actions were taken in response to the overriding fact that our current method of operation is extremely labor-intensive. Escalating personnel costs have made it essential that we seek out every possible method of reducing our cost of doing business.

There are three basic ways to reduce such costs: Apply automation techniques to increase productivity, consolidate functions with other agencies which do similar jobs and combine or eliminate some of the things we do. Because the services we provide are essential and will be required for the foreseeable future, we now follow all these approaches to solving our problems.

ON THE ROAD

AWS started down the road to eventual consolidation of work centers in 1971 when we began moving out of the representative observation sites (ROS). Early last year we began a program to dually qualify NCOs. The goal is to convert the typical weather station, where we now have forecasting and observing work centers, to a configuration where only one work center will exist. We're rolling now on the training to get our people ready to operate in that mode. Counterpart actions to configure base weather stations to use the combined skills of dually qualified individuals are beginning.

Included in these actions are two key items: Automation of things we now do manually in the typical base weather function, and restructuring the roles of our officers and NCOs to attain more effective use of skills and training.

FIRST STEP

We will soon demonstrate a capability to automate our runway sensors. This is the first step toward complete revision of the observing function and our goal is full automation of the observing function.

Realistically it will be about five years before we see much of this equipment in the field. However, the advent of the Continental United States Meteorological Distribution System (COMEDS) this fall should provide some near term reductions in data and paper handling workloads. Such reductions will only come if we properly exploit its capability for selective distribution of data and quick response automatic response to query (ARQ).

NEXT STEPS

Around 1980, the function we now know as observing will change considerably.



CMSgt. Howard M. Bock
AWS Senior Enlisted Advisor

On my recent trip to Europe I visited more than 30 Air Weather Service (AWS) detachments. I was quite impressed by the awareness, interest and in-

Enlisted line 'I was impressed'

volvement of 2nd Weather Wing people. Self help, ingenuity, esprit de corps and just plain hard work are the vehicles used by its men and women to turn many shells of facilities into places with pleasant and efficient working and living conditions. In most instances they made show places out of the facilities provided by the Army in Europe. Their unit and personal pride show in their compliance with dress and appearance standards too.

Interest in the single career ladder—the changing AWS—was readily reflected in the many applicants for schools and special assignments. Among the

forecaster school applicants are more than 75 per cent of the chief observers in grades E-6 and above who are to rotate in the next 15 months.

Awareness and involvement stood out in the caliber and wide range of their questions and comments and in the challenges discussed. The 2WW people are not sitting back waiting for some mysterious "them" or "they" to provide answers and a road map. They gave suggestions and provided recommendations for solutions.

Yes, I was impressed and pleased because the AWS is so alive and well in the 2WW.

Weather whys???

Weather Whys?? is a regular feature of the Air Weather Service Observer. The questions come from you and the answers come from the Air Weather Service commander and his staff.

If you have a question, send it to: Commander, Air Weather Service, Scott AFB, IL 62225. Each question will be answered, however all of the questions and answers may not be published in the Observer due to space limitations.

Q.—When are we going to have specialty knowledge tests [SKT] which are representative of the new single career ladder?

A.—The Air Weather Service (AWS) directorate of training is revising the specialty training standard (STS) for the 251X0 career field. Much of the revision is based on excellent field unit input. Every effort is being made to reduce the amount of record keeping in upgrade training. For example, Federal Meteorological Handbook training requirements will be in the STS. This and similar actions will reduce the number of AF Form 797 entries. The STS will be finished as you read this and panels are established for the SKT rewrite. The SKT for 25170 promotions to technical and master sergeants will consist of forecasting and observing questions at an approximate ratio of 70-30 per cent. The 25150A SKT

forecasting and observing question ratio has not yet been determined. Indications are that the new SKTs will be in use less than a year from now.

Q.—I am scheduled to attend forecaster school. I understand housing is tight so I wanted to arrive at Chanute AFB, IL, a few days early but my orders say I must report to the People Center not earlier than 8 a.m. and not later than 4 p.m. two days before the class start date. Can anything be done to allow earlier reporting?

A.—It might be worthwhile for you to take leave to arrive early, learn the housing situation, and, if you want to live off base, look for housing. (AFM 50-5 is being revised to allow students to report five days prior to a permanent change of station course starting date.)

Personnel shorts

Did you know that:

- * Selective reenlistment bonus rates in the 251X0 career field will increase from S-2 to S-3 starting April 1, 1976?

- * Zone B bonuses for second-term reenlistees were approved for critical skills? Criteria and a list of affected specialty codes will be in the field by early April. It is unknown if weather specialties will be affected.

- * Starting July 1 a person must be a technical sergeant or above to attend the Military Airlift Command (MAC) NCO Academy (NCOA)?

- * In the future it will be harder for a first-term airman to reenlist if his last proficiency report is a seven or under or if he has an unfavorable information file on incidents of serious misconduct? Tighter controls should insure a quality enlisted force.

- * The MAC NCOA clamped down on "high gloss potomeric (resembling patent leather) and patent leather shoes?" In short, high gloss Corfam shoes may only be worn with dress uniforms

during evening MAC NCOA functions.

- * Unaccompanied tours for weather people in Turkey is now 15 months?

April AFA drive time

SCOTT AFB, IL—Air Weather Service (AWS) units worldwide are geared up to support the April Air Force Association (AFA) membership drive conducted throughout the Air Force.

Col. Chester C. Lukas, deputy chief of staff for Aerospace Sciences, is Hq. AWS project officer assisting the overall MAC chairman, Brig. Gen. Harry A. Morris, MAC chief of staff.

This year's drive theme is that membership in AFA represents a share in a strong America.

During the last three years MAC units accounted for nearly 6,000 new members, of whom 1,900 were gained last year. Drive officials in MAC hope to gain 2,500 new members this year.

OBSERVATION

Leave sale limited

WASHINGTON (AFNS)—Military people can be paid for no more than 60 days of accrued leave during a career now. The ruling became effective Feb. 10. The new policy means that if a person sells 15 days of leave on one enlistment, only 45 days may be "sold back" during the remainder of his or her career. When a person has accepted payment for the maximum days, thereafter, at reenlistment, that person must use his excess leave—or lose it.

Test permits gripes

RANDOLPH AFB, TX (AFNS)—Questions on specialty knowledge tests (SKT) which are obsolete, have more than one correct answer, are incorrectly stated or illustrated, or have other deficiencies may now be challenged. The challenge should be given to the test control officer who can start an inquiry to the Air Force Occupational Measurement Center, Lackland AFB, TX. If a question is in error it will be removed from the scores of all persons who took or will take the Weighted Airman Promotion System test containing that question.

Uniform changing

WASHINGTON (AFNS)—Several Air Force Uniform Board changes were approved and take effect soon.

Accepted were: Hats to be worn with all service and utility uniforms. Navy blue utility caps for women when wearing the flight or field uniform. Women may wear sweaters only indoors when in their work area. Women will have the lightweight blue jacket with zipper closed at least halfway. An all-weather coat, with zip-out liner, will replace the standard overcoat and raincoat for men. Its fabric will be the same as that of the women's raincoat.

Disapproved were: Loafers and tennis shoes with the women's flight or field and utility uniforms. Sunglasses may not be worn in formations. Lightweight blue jackets will not be modified to accommodate zip-in pile linings.

Security 'no joke'

SCOTT AFB, IL (MNS)—Terminal security in the Military Airlift Command (MAC) is no joke, according to Col. John Ford, MAC director of Transportation. He recently directed all MAC terminal commanders to display the words, "We take security seriously. Remarks about bombs, weapons, hijacking, etc., may result in disciplinary action," in prominent places at terminals. Persons apprehended for false bomb reports or similar threats of violence aboard an aircraft may face action under the Uniform Code of Military Justice or civil penalties under the Bomb Hoax Act.

ACSC has guide

MAXWELL AFB, AL—The Air Command and Staff College here publishes a handbook for supervisors about the management of people. The book is entitled "Guidelines for Command." Copies may be ordered by writing to: "Guidelines for Command" Project Officer; ACSC-EDCM; Maxwell AFB, AL 36112.

Heritage album cut

WASHINGTON (AFNS)—An album of heritage military music entitled "Broad Stripes and Bright Stars" is now available as part of the U.S. Armed Forces contribution to the United States' Bicentennial celebration. The two-record stereo album includes march music, anthems, sea chanteys and patriotic works. It features the U.S. Air Force Band and Singing Sergeants, U.S. Army Band and Chorus, U.S. Navy Band and Sea Chanters and the U.S. Marine Corps Band.

Still state bonuses

WASHINGTON (AFNS)—Eleven states and the Territory of Guam still authorize payment of a bonus to Vietnam veterans. Persons questioning their eligibility should contact their home state for rulings and state authorities decisions are final. Addresses may be obtained from local veterans affairs offices.

Offering a Vietnam bonus and cutoff dates are: Connecticut, July 1, 1978; Illinois, July 1, 1977; Iowa, June 30, 1977; Louisiana, March 28, 1978; Massachusetts, no date set; Michigan, June 30, 1980; Minnesota, Dec. 31, 1976; Montana, July 1, 1976; Ohio, Jan. 1, 1978; Vermont, no date set; West Virginia, Dec. 31, 1976; and Guam, May 7, 1977.



WEATHER BEAUTY A1C Cheryl Smith, left, Detachment 21, 9th Weather Squadron, Minot AFB, ND, is second runner-up in the 1976 Minot AFB Snow Queen Pageant. The contest selects an active duty Air Force woman to represent the base at civic and base functions throughout the succeeding year. Cheryl is a weather observer. [U.S. Air Force photo]

Top-Stripe

CMSGT BERTRAM R. GRIGSBY

SENIOR ENLISTED ADVISOR
1st WEATHER WING
HICKAM AFB, HI

IN AIR FORCE 27 CONTINUOUS YEARS

OVERSEAS SERVICE IN GERMANY, KOREA
AND HAWAII.

"GRIGS" TAUGHT MANY AWSers TOO.
INSTRUCTOR AND COURSE SUPERVISOR
FOR 3AAR25271 (CHIEF OBSERVER) -1959-63.
COURSE SUPERVISOR FOR 3ABR25231
(WEATHER OBSERVER)-1968-72. BOTH AT
CHANUTE AFB, IL.

SERGEANT AND MRS. GRIGSBY ARE BOTH FROM PITTSBURGH, PA, AND
THEY HAVE FOUR CHILDREN, JAMES, JANICE, JOYCE AND JEFFRY.

BOWLING IS THEIR SPORT BUT THEY MAKE GOOD FANS OF OTHER
SPORTS AND LIKE TO TRAVEL.



LET'S SWAP

Present wing: (Circle) 1 2 3 5 7 AFGWC

Rank/Name: _____

CAFSC: _____ Base: _____

Mail Address: _____

Want to go: _____

The eligibility rules for exchanging assignments are contained in AFR 39-11. If you meet the criteria and want to swap, fill coupon and send to: AWS/CMS, Scott AFB, IL, 62225.

Swap list

Each of the following AWS people wants to swap assignments with another person of the same AFSC:

30250 — A1C Donald Allen, 107D East 4th Ave; Dugway, UT, wants any base on the East Coast.

25150 — A1C Rodger D. Campbell, PSC Box 4648, Barksdale AFB, LA 7110, wants Rickenbacker AFB, OH, or Andrews AFB, MD.

25150 — A1C Evan L. Pearson, PSC Box 2802, Minot AFB, ND 58705, wants Colorado, Washington or Oregon.

25150 — A1C Bruce C. Hegel, PSC Box 1001, Craig AFB, AL, wants McGuire AFB, NJ; Dover AFB, DE; or anywhere in Maryland or Virginia.

25150 — A1C Patrick Ferrell, PSC Box 3233, Kingsley Fld, OR 97601, wants any base in Virginia, Maryland or North Carolina.

Texas units profit from new Single Career Ladder program

Forecasters learn observing

KELLY AFB, TX—Detachment 7, 15th Weather Squadron here has its Single Career Ladder program well underway. The unit started the training in mid 1975 to teach enlisted forecasters how to take observations and other observer-related responsibilities.

As a result, all assigned enlisted forecasters are now fully qualified, accredited observers.

Presently the civilian forecaster, Leslie C. Gates, provides most of the daily forecast work during weekdays when the workload is heaviest.

During the less active weekends, evenings and early morning hours, forecasters occasionally perform observer duties.

On some night shifts duty forecasters are authorized to allow the duty observers to leave early. This insures better work distribution. At that time duty forecasters take on all duties in the weather facility. The unit will next train officer forecasters to perform observer duties.

According to 2nd Lt. Charles B. Stanfield, unit spokesman, "The results of the Single Career Ladder program at Kelly AFB have been tremendous. Not only has the benefit been from assistance during observer manpower shortages, but forecasters now have an opportunity to become more thoroughly acquainted with all aspects of the weather station from top to bottom."

He continued, "Not only is the detachment in better shape due to the flexibility of its forecasting

staff, but morale is enhanced when one section can chip in and help the other. Add to these internal benefits the fact that observer temporary augmentation was considered for January, but was not necessary due to early implementation of the Single Career Ladder program and you have a dollar saving for the Air Force."

Lieutenant Stanfield concluded, "The Single Career Ladder program is super and significantly enhances our capability for mission accomplishment."

Observers learn forecasting

BERGSTROM AFB, TX—Detachment 10, 25th Weather Squadron here recently received its first person to gain Air Force Specialty Code (AFSC) 25150 through Forecaster School; he is Sgt. R. Larivee.

Sergeant Larivee came here after serving three years as an observer at Hill AFB, UT.

According to Sergeant Larivee, "I wanted to be a forecaster, but didn't want to wait a long time to make E-5 to become eligible. As soon as Air Weather Service changed the policy, I reenlisted and volunteered for forecaster school."

At Det. 10 Sergeant Larivee served five days in observer training before being certified and becoming a forecaster trainee.

He is not alone in the new program. Another forecaster, 1st Lt. Marvin E. Pershing, is also undergoing observer training. Other unit forecasters will follow as scheduling permits.

Airman startles his supervisor; 'lowers' Fairchild AFB elevation

FAIRCHILD AFB, WA—For many years it seemed to the military man on the bottom of the rank structure that superiors appeared to delight in making his life uncomfortable. Recently a weatherman at Detachment 3, 9th Weather Squadron here reversed that.

A letter to the detachment from 3rd Weather Wing, its headquarters, said, "Current Air Weather Service procedures require that station elevation be established as ten feet above field elevation. This requirement is no longer valid." That letter shut-

tered a long-standing tradition of reporting air base elevation at Fairchild as 10 feet higher than it actually was to compensate for barometers mounted 10 feet above ground.

A1C Raynaldo A. Mustafa, an observer with a keen sense of humor, saw it as a chance to get his supervisor's attention in a hurry.

He did it in a joking letter which left his supervisor, MSgt. Richard D. Rablin, wondering for a while. Airman Mustafa wrote: MSgt. Rablin,

You can be assured that all the specifications of the station elevation reduction were met.

The digging crew lowered the field 10 feet to within .009 inches. The result was double-checked by higher headquarters to their extreme satisfaction.

We should be hearing from the Award Ceremony personnel any day now.

The digging crew wanted to know if it was alright [sic] to dump those 10 feet of Fairchild dirt in your back yard. I told them you approve anything for the Air Force mission.

Families, guests tour unit, command post

MARCH AFB, CA — Guests and families of the people of 9th Weather Squadron and the unit's Detachment 7 toured the 15th Air Force command post and the weather facilities here recently.

In the 15AF combat operations center Lt. Col. Kenneth Van Hulla, chief of the 15AF weather support

unit, explained Weather support and how the computerized command and control system works.

At Det. 7, 9WS, 1st Lt. Larry Lathrop was host to the visitors, among whom was the 83-year-old father of Lt. Col. Walton Perrine, 9WS director of Operations.

In memoriam

Col. Arnold R. Hull (USAF Ret.) died March 2 in Washington. Colonel Hull commanded the 6th Weather Wing (1967-1970). After retirement he was the Interior Department's associate director of climatology, Environmental Data Services.

Gertrude I. Johnston Yates, wife of Lt. Gen. Donald N. Yates, died March 8 in North Palm Beach, FL. General Yates once commanded Air Weather Service (1945-1950).



The Air Weather Service OBSERVER is an official Class IIA Air Force newspaper published monthly for personnel of the world-wide Air Weather Service of the Military Airlift Command and under the supervision of the Office of Information, Headquarters, Military Airlift Command, Scott AFB, IL, 62225. Opinions expressed herein do not necessarily represent those of the Air Force.

Material which appears herein may be reprinted without permission, but credit to the Air Weather Service OBSERVER is requested. News, feature, art, or photographic material is solicited from readers, but publication depends on the judgment 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.

BRIG. GEN. BERRY W. ROWE
Commander, Air Weather Service
DAVID F. BARR
Editor

AWS salutes

Medals

Maj. John M. Callaghan, Detachment 17, 31st Weather Squadron, RAF Upper Heyford, UK, received the Meritorious Service Medal.

MSgt. David U. Gorsline, Air Force Global Weather Central, Offutt AFB, NE, the third oak leaf cluster (OLC) to the Air Force Commendation Medal (AFCM).

Maj. Frederick J. Fowler, AFGWC, Offutt AFB, NE, the third OLC to the AFCM.

Capt. Patrick J. Larkin, Det. 14, 25WS, Holloman AFB, NM, the second and third OLCs to the AFCM.

TSgt. David J. Kumer, AFGWC, Offutt AFB, NE, the second OLC to the AFCM.

TSgt. Ray Ortega, Det. 22, 24WS, Keesler AFB, MS, second OLC to the AFCM.

TSgt. William L. Gravell, AFGWC, Offutt AFB, NE, the first OLC to the AFCM.

SMSgt. Olin F. Bryant, Det. 3, AWS, Sunnyvale AFS, CA, the first OLC to the AFCM.

Capt. Jean H. Page, Operating Location D, 2nd Weather Wing, Ft. Ritchie, MD, first OLC to the AFCM.

Capt. Darrel L. Boesigeg, USAF Environmental Technical Applications Center, Scott AFB, IL, AFCM.

Capt. Harold R. Barbera, Det. 36, 31WS, RAF Alconbury, UK, AFCM.

TSgt. Gerald R. Reas, 2WW, Ramstein AB, Germany, AFCM.

TSgt. Ronald N. Whiteley, Det. 14, 25WS, Holloman AFB, NM, AFCM.

MSgt. William K. Olson, Det. 5, 7WW, Dover AFB, DE, AFCM.

Capt. Wayne E. Clark, Det. 3, AWS, Sunnyvale AFS, CA, AFCM.

SSgt. David A. Fulcher, Det. 17, 20WS, Yokota AB, Japan, AFCM.

Education

Capt. Martin W. Ledwitz, a Reservist assigned to Det. 3, 9WS, Fairchild AFB, WA, was awarded the master of science degree in environmental engineering by Washington State University.

Service schools

Capt. Daniel J. McMorrow, USAFETAC, Scott AFB, IL, is the Squadron Officer School Class 75-D distinguished graduate.

TSgt. Victor L. Smith, USAFETAC, Scott AFB, IL, is the MAC NCO Academy's (NCOA) Class 76-4 distinguished graduate.

SSgt. Michael Schroeder, AFGWC, Offutt AFB, NE, completed NCO Leadership School (NCOLS) as did **Sgt. Becky S. Grant**, also of AFGWC.

NCOLS completion were accomplishments of **Sgt. Judith D. Clarke**, Det. 9, 9WS, Davis-Monthan AFB, AZ, and **Sgt. Devindranath Gokool**, 24WS, Randolph AFB, TX.

Sgt. Dee H. Letterman Jr., an honor graduate from observing school, is now winner of the TAC NCOLS Scholastic Achievement Award. **Sergeant Letterman** is a member of Det. 18, 25WS, Mt. Home AFB, ID.

CMSgt. John Kappert, AWS, Scott AFB, IL, graduated from the Air Force Senior NCOA. He was among seven chief master sergeants in a class of 240 people from 21 different USAF commands and agencies.

Maj. Larry K. Gilchrist, Det. 6, 2WW, Stuttgart, Germany, completed the Industrial College of the Armed Forces' correspondence course "National Security Management."

Unit honors

TSgt. Victor L. Smith, USAFETAC, Scott AFB, IL, is his unit's NCO of the Year for 1975.

A1C Michael T. Wright, USAFETAC, Scott AFB, IL, is the unit's Airman of the Year for 1975.

Amn. James L. Craig, USAFETAC, Scott AFB, IL, Airman of the Month.

Civilian honors

Hilda J. Snelling, USAFETAC's assistant chief of the engineering meteorology section, Scott AFB, IL, received a 10-year Federal Service pin.

Promotions

To major: **Charles E. Schulze Jr.**, Det. 3, 9WS, Fairchild AFB, WA.

To captain: **Erwin L. Williams**, AFGWC, Offutt AFB, NE.

To first lieutenant: **Harold R. Bares**, AFGWC, Offutt AFB, NE.

To master sergeant: **Charles E. Taiclet**, Det. 9, 9WS, Davis-Monthan AFB, AZ. (William J. Hause, listed last month as an observer, is a computer operator.)

To technical sergeant: **Richard E. Riley**, AFGWC, Offutt AFB, NE, and **I.E. Stilwell**, Det. 10, 25WS, Bergstrom AFB, TX.

To staff sergeant: **Howard W. Nickerson**, Det. 9, 9WS, Davis-Monthan AFB, AZ.

To sergeant: **John F. Kern**, **Donald Land**, **Jon T. Welk** and **James D. Wicker Jr.**, AFGWC, Offutt AFB, NE. **Terry Banks**, Det. 10, 25WS, Bergstrom AFB, TX. **Scott C. Douglas**, Det. 9, 9WS, Davis-Monthan AFB, AZ. **Jean M. Bross**, Det. 2, 9WS, Castle AFB, CA. **Mark A. Noe**, OL-A, Det. 21, 5WS, Ft. Stewart, GA. **Dennis D. Walker**, Det. 11, 12WS, Luke AFB, AZ. **Jimason J. Rand**, Det. 22, 24WS, Keesler AFB, MS.

To airman first class: **Darrell J. Randall**, **Dorothy Sanford**, **Melinda B. Schroth** and **Grant B. Adler**, AFGWC, Offutt AFB, NE. **Bradford W. Clark**, **Samuel M. Gardner Jr.**, **Harold C. Greenlee**, **Sharon L. Sagnelli** and **Richard M. Wilson**, Det. 9, 9WS, Davis-Monthan AFB, AZ. **Frederick Osborne**, Det. 5, 7WW, Dover AFB, DE.

To airman: **Walter J. Bird**, AFGWC, Offutt AFB, NE.

Special honors

First Lieutenant **William F. Markert**, USAFETAC, Scott AFB, IL, was Scott AFB's Junior Officer of the Month.

TSgt. Nicholas J. Whalen Jr., Det. 21, 2WS, Edwards AFB, CA, is the Air Force Flight Test Center (AFFTC) NCO of the Quarter. It was a repeat by **Sergeant Whalen**,

who also won AFFTC's first quarter award in 1975.

Sgt. Kenneth R. Herndon, Det. 21, 2WS, Edwards AFB, CA, was chosen as a member of the AFFTC Blue Eagles Honor Guard.

Sgt. Daniel Daughtrey, administrative specialist at Det. 7, 24WS, Mather AFB, CA, won base talent contest top honors. He competed in the Male Pop Vocalist category and now goes to the Air Training Command meet at Sheppard AFB, TX.

TSgt. Vito J. Monteleone, Det. 4, 1WW, Hickam AFB, HI, is Hickam AFB's Outstanding NCO of the Year.

MSgt. Charles W. Simons and **SSgt. John W. Healy**, Det. 9, 9WS, Davis-Monthan AFB, AZ, shared \$750 for suggesting another use for idle electrical equipment. **Sergeant Healy** is now assigned to Chanute AFB, IL.

Births

TSgt. and Mrs. Doyle E. Yeater, daughter, Rhonda Michelle, Jan. 9. Father is a member of Det. 6, 12WS, Peterson Fld., CO.

A1C and Mrs. Kirk Van Leeuwen, daughter, Heidi, Feb. 4. Father is an observer, Det. 19, 25WS, Dugway Proving Ground, UT.

Capt. and Mrs. John St. Onge, son, Derek Scott, Jan. 15. Father is a member of 2WS, Andrews AFB, MD.

SSgt. and Mrs. James E. Briggs, son, James II, Feb. 16. Father is a member of Det. 11, 12WS, Luke AFB, AZ.

Second Lieutenant and Mrs. Horace A. Moss, daughter, Leslie Carter, Jan. 13. Father is a member of the USAFETAC, Scott AFB, IL.

A1C and Mrs. Michael T. Wright, son, Christopher Michael, Feb. 7. Father is a computer operator, USAFETAC, Scott AFB, IL.

MSgt. and Mrs. John R. Zemba, son, Eric Wayne, Dec. 31. Father is the first sergeant and an NCOIC, USAFETAC, Scott AFB, IL.

Capt. and Mrs. Robert L. Scheibel, daughter, Elizabeth Leigh, Jan. 18. Father is a member of AFGWC, Offutt AFB, NE.

Sgt. and Mrs. C. Scott Calkins, son, Ryan Scott, Jan. 18. Father is an administrative specialist, AFGWC, Offutt AFB, NE.

Capt. and Mrs. Kenneth G. Rogowski, son, Kenneth Michael, Jan. 14. Father is a member of 11WS, Elmendorf AFB, AK.

Sgts. Alex W. and Joan E. Weichay, son, James Wayne, Feb. 21. Both are observers, Det. 12, 24WS, Sheppard AFB, TX.

SSgt. and Mrs. Jerome A. Tabatt, boy, name not provided, Feb. 13. Father is a member of Det. 9, 9WS, Davis-Monthan AFB, AZ.

First Lieutenant and Mrs. Garry C. Jackson, daughter, Katrina, Feb. 16. Father is a forecaster, Det. 10, 25WS, Bergstrom AFB, TX.

A1C and Mrs. David Elliot, son, John David, Feb. 22. Father is a (Continued on Page 6)



BICENTENNIAL CLEANUP is made by Sgts. Danny Boyer, left, and Charles Anderson, Detachment 23, 3rd Weather Squadron, Moody AFB, GA. The flag display was designed and built by Det. 23 maintenance people and is mounted atop the unit's FPS-77 receiver-transmitter-modulator (RTM) shelter. (U.S. Air Force photo)

Gottuso to AWS slot; Roberts to 7th Wing

SCOTT AFB, IL—Col. Robert M. Gottuso has replaced Col. David L. Roberts as Air Weather Services' deputy chief of staff for Aerospace Sciences.

Colonel Roberts became 7th Weather Wing's vice commander.

Colonel Gottuso, a native of Utica, NY, graduated magna cum laude from Syracuse (NY) University in 1951 with a bachelor of science degree in combined science. While there he was a member of several scholastic honor societies, including Phi Beta Kappa.

The next year he received a masters degree in education and was commissioned a second lieutenant in the Air Force.

In 1953 Colonel Gottuso attended Pennsylvania State University to gain a bachelor of science degree in meteorology.

From 1958 until 1960 he was a student at the Massachusetts Institute of Technology where he was granted a masters degree in meteorology.

After a tour of duty as a weather officer in Korea his military assignments included Stewart

AFB, NY; Washington; Wright-Patterson AFB, OH; Hawaii; Offutt AFB, NE, and again in Washington. Colonel Gottuso commanded the USAF Environmental Technical Applications Center (ETAC) during its 1975 move to Scott AFB, IL. He was succeeded as ETAC commander by Col. Paul Janota.



Col. R.M. Gottuso



A SATELLITE FOR THE COMMANDER is the case in miniature as Col. Ernest G. Schultz, center, presents Gen. Paul K. Carlton, MAC commander, a model of the new Block 5-D weather satellite. Colonel Schultz, of the Air Force Systems Command, was the recent guest of Brig. Gen. Berry W. Rowe, left, AWS commander. [U.S. Air Force photo]

Visitor presents new meteorological satellite model to MAC commander

SCOTT AFB, IL—When Col. Ernest G. Schultz arrived here to attend the final Air Force Global Weather Central (AFGWC) systems architecture study briefing recently, he also gave the MAC commander a satellite. It wasn't an actual satellite, but a model of the Defense Meteorological Satellite Program's (DMSP) newest satellite.

The spacecraft, called the Block

5-D, will be launched from Vandenberg AFB, CA, later this year and will provide the Air Weather Service (AWS) even greater space coverage of weather conditions.

The briefing he attended presented the results of a study made by a civilian firm to gain maximum use of AFGWC's entire data processing system. The study was based on current and future support requirements. The future

time frame considered is the period from 1977 through 1982.

While here Colonel Schultz met with the AWS staff to tell them of DMSP's present status.

Colonel Schultz is the Air Force Systems Command's deputy for defense meteorological satellite systems. His headquarters is at the Space and Missile Systems Organization (SAMSO), Los Angeles, CA.

Chinese general visits AWS staff

SCOTT AFB, IL—Maj. Gen. Yen Jean-kun, Chinese Air Force Weather Wing commander, accompanied by Lt. Col. Wang Shih-ting, visited Brig. Gen. Berry W. Rowe and his staff at Headquarters Air Weather Service Mar. 15.

While in the United States the Chinese officers visited Chanute AFB, IL; Offutt AFB, NE; and McClellan and Travis AFBs, CA. Additionally they visited Hickam AFB, HI, and Guam.

At Scott AFB they also toured the U.S. Air Force Environmental Technical Applications Center as well as Headquarters Military Airlift Command and Aerospace Rescue and Recovery Service.



STREAMLINING, to Col. Salvatore R. LeMole, 20th Weather Squadron commander, Yokota AB, Japan, has its price. He made an in-fun wager with his entire unit on weight reduction and lost. When his people "streamlined" their waistlines Colonel LeMole, as agreed, had to analyze a gradient streamline chart. (U.S. Air Force photo by SSgt. David Pigors)

Salutes (Continued from Page 5) maintainer, Det. 10, 25WS, Bergstrom AFB, TX.

MARRIAGES

Sgt. Donald R. Larivee married Norma Miller of Austin, TX. Sergeant Larivee is a forecaster, Det. 10, 25WS, Bergstrom AFB, TX.

Reenlistments

MSgt. William K. Olson, Det. 5, 7WW, Dover AFB, DE.

SSgt. Pierre J.B. St. Arnault, Det. 6, 6WS, Ellsworth AFB, SD.

TSgt. Allen R. Gray, Det. 23, 2WS, Kirtland AFB, NM.

SSgt. James J. Grant, Det. 24,

26WS, K.I. Sawyer AFB, MI. In -20 degree temperature the ceremony took place atop the 110-foot FPS-77 radar tower he maintains.

When Sgt. Ricky D. Wiley was administered the reenlistment oath in Thailand by Capt. Gale L. Gabbert he had no idea that in 1976, at Det. 20 26WS, Barksdale AFB, LA, as a staff sergeant, he would be given the oath—again by a promoted Major Gabbert. The same men—both promoted.

Command moves

Maj. Richard D. Dickover now commands Det. 21, 5WS, Hunter AAF, GA.

INFORMATION ONLY

Sgt. Donald R. Larivee, a forecaster at Det. 10, 25WS, Bergstrom AFB, TX, is the new president of the Birdpatch Citizen Band Radio Club.

Stephen Johnson, age three, was entered by his parents, Sgt. and Mrs. Robert D. Johnson, in RAF Upper Heyford, UK's Valentine baby contest and won first place in his category and second place in base standings. Sergeant Johnson is a member of Det. 17, 31WS, RAF Upper Heyford, UK.

Maj. Larry K. Gilchrist, Det. 6,

Interviewing AFGWC Spicer: 'Opportunities are unlimited here'

MSgt. Charles A. "Tony" Spicer has been at Air Force Global Weather Central two years. He has worked as a map analyst, special forecaster, team chief and is now a system analyst in the Computer Flight Plans section.

Q. How do you view job opportunities at Global, particularly for NCO's?

A. Job opportunities for a weatherman are unlimited here. You finally get the big picture of what AWS is doing, and its capabilities for supplying weather products to the customer. Jobs include everything from weather map analysis to interface between Global and the actual product users. The list is almost endless. Compared to detachment duty,

Church worker gets certificate

BELLEVUE, NE—Religious service is a way of life for some military people, especially TSgt. Dave Kumer, a forecaster in the Air Force Global Weather Central's special projects branch.

Sergeant Kumer is a member of the church's men's group, a teacher in the adult training sessions and deacon. Additionally, when Bellevue's First Baptist Church needed a youth activities annex, Sergeant Kumer rolled up his sleeves and became a builder. Today the annex is part of the church.

Sergeant Kumer's earlier efforts earned him a Certificate of Meritorious Service from the Chief of Chaplains at U-Tapao RTNAB, Thailand, his last assignment before coming here. At U-Tapao he was a member of the Parish Council, led the choir and a weekly gospel service, and began monthly prayer breakfasts.

QUOTE OF NOTE:

"Upon obtaining execution approval to launch the rescue mission, weather became the most critical decision factor." —letter from Brig. Gen. Leroy J. Manor,

AFGWC is where job opportunities lie for a weatherman in today's AWS. It's like moving up to a university from high school. I know of no other place in AWS that could be more career broadening for an NCO.

Q. How do you see Global today as compared to two years ago?

A. I think the big difference now is we're doing a lot more with less. We still put out good products and customer service is expanding, even with manpower and budget cutbacks.

Q. How do you rate Offutt's base facilities?

A. Excellent. The BX, new commissary and hospital are outstanding. Off duty education is nearly unlimited. Most bases have only one college while here there are many on and off base university facilities available.

Q. Do you find Omaha an exciting place to live?

A. Yes, I do. I work with Little League teams, the Junior Chamber of Commerce and have become a gardener. I hope to get into hot air ballooning this spring with several people in the office.

Q. Is your present job as satisfying to you as previous jobs?

A. Yes, it is. I have had many jobs in my career, from infantryman to computer programming. I find this one as satisfying, if not more so, than any of the others.

Q. Why did you choose to move from Current Operations to Computer Flight Plans?

A. I wanted to see the other side of the coin. I guess I just had a natural curiosity about the source of the products I had been working with.

The May issue of the AWS OBSERVER will have an interview with MSgt. Jerry Farley, Space Environmental Support Branch solar forecaster.

2WW, Stuttgart, Germany, was elected as the Patch Barracks representative to the Stuttgart German-American Men's Club's Board of Directors.

Retirements

TSgt. Ronald N. Whiteley, Det. 14, 25WS, Holloman AFB, NM.

TSgt. Walter O. Wilkinson, Det. 14, 25WS, Holloman AFB, NM.

SMSgt. Gilbert D. Barton, Det. 3, AWS, Sunnyvale AFS, CA, to Texas.

TSgt. Robert V. Kinter, Det. 3,

commander, Joint Contingency Task Group, to the 1st Weather Group, Det. 22, 1970. General Manor was the overall commander on the Son Tay POW raid.

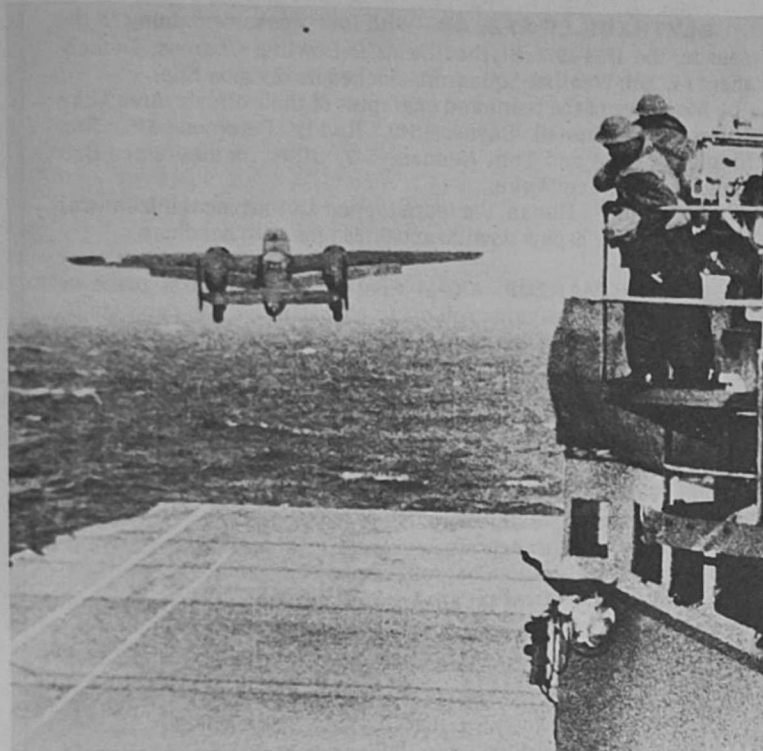
AWS, Sunnyvale AFS, CA, to Michigan.

TSgt. Ray Ortega, Det. 22, 24WS, Keesler AFB, MS.

Lt. Col. Harold "Hal" Selfridge, AWS, Scott AFB, IL. Colonel Selfridge completes 30 years service, 18 of which were with AWS in many capacities. His decorations include Legion of Merit, Meritorious Service Medal, Joint Service and Air Force Commendation Medals as well as the Army Good Conduct Medal. He flew as a navigator in B-29s during World War II. He and his wife plan to live in Belleville, IL.

A lesson from history

Doolittle raiders fight weather, Japanese



ROARING OFF into a gray sky, an American B-25 bomber heads for Japan to give the enemy its first taste of war in its homeland. Launched from the flight deck of the USS Hornet, the planes attacked at low level. The Japanese reported heavy damage from explosives and fire, which led future raiders to carry ample supplies of incendiaries.

By John Fuller AWS Historian

Thirty-four years ago this month 16 B-25 bombers, under the command of Lt. Col. James H. "Jimmie" Doolittle, took off from the aircraft carrier U.S.S. Hornet's pitching deck to strike Tokyo in a surprise raid. As with most engagements in World War II, weather caused anxiety during the execution of what came to be called the "Doolittle Raid."

To provide Colonel Doolittle's B-25s with a cruising range of 2,400 miles, additional fuel tanks were installed. But to lift that weight plus a full bomb load from an aircraft carrier's deck presented problems never before faced by Army Air Corps pilots. An accelerated training program at Eglin Field, FL, required each pilot to make 700- to 750-foot takeoffs with a B-25 loaded to 31,000 pounds. Takeoff speeds were affected by the carrier's speed plus the wind speed across its deck. Each pilot qualified with fully-loaded takeoffs of from 500- to 600 feet with a maximum surface wind of 12 mph.

The Hornet's entire April 1942 voyage from San Francisco was

beset with foul weather. Heavy seas and salt air presented special problems for the maintenance people responsible for the B-25s, which were lashed down to the Hornet's open deck. Ship speeds were often reduced because of the rolling seas and high winds.

The adverse weather limited the number of patrols anti-submarine aircraft could make near the task force. Even a refueling of the task force, attempted on April 16, was forced by heavy seas to wait until the next day. It was successful then but winds had reached gale force causing one seaman to be washed overboard from the tanker's deck.

Bomber crews were continually briefed by Navy aerologists on the expected enroute weather as the Hornet and its escorts steamed closer to the planned takeoff point, which was originally 400 miles east of Tokyo.

Early on April 18 Japanese picket vessels were detected so it was decided to launch the B-25s 10 hours earlier than planned. The early launch also put the planes in the air 800 miles from Tokyo.

The weather at launch time was

bad. A 40-knot wind whipped the seas.

Colonel Doolittle's lead B-25 faced 467 feet of clear deck and the last plane hung precariously over the Hornet's stern. Navy signalmen gauged the waves to put the departing B-25s at the bow just as the carrier surged up on the wave's crests. At 8:18 a.m. Colonel Doolittle made his run down the Hornet's plunging deck into a gale that sent green sea water over the bow. He made it as did the others.

The flight to Tokyo was without incident and the perfectly clear weather there helped the crews drop their bombs on target.

Leaving Japan the B-25s received an unexpected tail wind that helped them cross the East China Sea toward the air field they sought at Chunhow, China. Dense clouds, rain and fog shrouded the mountainous China coast however and, in the darkness of night, one after another of the bomber crews either bailed out or crash-landed their aircraft.

Most of the 80 B-25 crew members on the Doolittle Raid eventually returned to the United States where they were given a hero's welcome. Not only had they given American morale a much-needed boost, but they made the Japanese realize their homeland was not invulnerable to attack.

Sgt. Edgar E. Vachino

Army lifts weatherman to stripe

FT. LEONARD WOOD, MO—When Sgt. Edgar E. Vachino, Detachment 1, 16th Weather Squadron here, was promoted under the below-the-zone program recently he owed part of his promotion to the U.S. Army.

It happened when Det. 1's commander and chief observer, MSgt. Forrest E. Gray and TSgt. Billie R. Williams, recommended to the Richards-Gebaur AFB, MO Consolidated Base Personnel Office (CBPO) that Sergeant Vachino be promoted.

A week later the CBPO told Sergeant Gray that because Sergeant Vachino was one of four people eligible for promotion under the new below-the-zone program he would have to meet a promotion board. The base had four men eligible and only three stripes to give.

Det. 1, located on an Army installation, asked the Army if it would fly the then Airman First Class Vachino to Richards-Gebaur AFB. When approval for the flight was received from Lt. Col. J.L. Killelte, airfield commander,

CWOs J.T. Walter and J.F. Barfield, piloting a UH-1 helicopter, took the anxious airman to meet the promotion board.

At Richards-Gebaur AFB they could not land due to a runway problem there so the pilot flew on to the State Line (MO) civilian airport. There, as arranged by long-distance telephone by Sergeant Gray, an automobile sent by Richards-Gebaur AFB's Det. 12, 7th Weather Wing, took Sergeant Vachino to the board just in time for his 1:30 p.m. appointment—and a new stripe.

Det. gets wing award

U-TAPAO RTNAF, THAILAND—Lt. Col. Earl E. Sands, Detachment 30, 1st Weather Wing commander here, recently accepted the 1WW Commander's Award for his unit.

Molla has surgery

SCOTT AFB, IL—Col. Alfred Molla, Air Weather Service vice commander, underwent heart surgery March 12 in the St. Louis Barnes Hospital. Officials there reported him to be making satisfactory recovery.

Man has double dart victories

RAF CROUGHTON, UK—Bill Kvederavich, in a sport which is very popular here, needed everyone by victoriously defending his darts title. Kvederavich won Detachment 40, 2nd Weather Wing's Saint Valentine's Day Massacre Dart Tourney. His unofficial title was gained when he took the 1975 Det. 40 Christmas Dart Meet.

Medical expert explains his game, safety in sports

Following the request of Henderson B. Herod, Air Weather Service director of Safety, Audrey L. Forbes, reader service manager for U.S. News & World Report magazine authorized the OBSERVER to print an article from her publication. Excerpts from the article, an interview with Dr. James A. Nicholas, founder of the Institute of Sports Medicine, will appear in future issues of the OBSERVER.

(Reprinted from the "U.S. News & World Report.")

Q. Dr. Nicholas, it seems as if there's a real boom in sports in this country—

A. That's certainly true. The

numbers are staggering. Experts estimate, for example, that there are 107 million swimmers in this country. About 65 million ride bicycles, and 48 million like to fish. It's really a sociological phenomenon.

Q. Does this increased activity raise more health risks?

A. It can if you don't respect the rules of the game. By that I mean people may swim in waters that they don't know, or beginners may try to ski on difficult terrain. The dangers are there simply because of lack of preparation.

But there's an even more widespread hazard, and that is engaging in sports that make demands that your body cannot

meet. This is especially true of such high-speed games as tennis, handball or football.

Q. How many people are injured over the course of a year while engaging in leisure-time sports?

A. Government statistics, based on records of hospital emergency rooms, indicate that about 8.5 million people a year are hurt as a result of sports. We estimate that, counting cases handled in doctors' offices and other injuries not reported, the total is at least 17 million.

Q. Are there any major health risks for the weekend or occasional athlete?

A. Not if he is sensible about it. My own personal opinion is that

occasional activity is perfectly safe. Some authorities say that you should be exercising three or four times a week. But many people can work out only on week-ends and during a two-week annual vacation, and they stay in pretty good shape.

Q. Can weekend sports help you lose weight?

A. Yes, they can. Golf, for instance, is a far better exercise than many people think. Playing a round of 18 holes without a cart on a par-70 course means five miles of walking—plus swinging a club about 100 times. That will burn up about 100 calories an hour—the same as jogging one mile. Thus, 500 calories would be burned

jogging five miles or playing golf for five hours.

A tennis player will burn up a couple of hundred calories more—running and walking five miles in three sets. Swimming will use up 400 or 500 calories an hour. When you get into the really tough activities, such as climbing mountains, you're burning up 900 calories an hour.

(Copyright 1974 U.S. News & World Report, Inc.)

The next issue of the OBSERVER will carry portions of the U.S. News & World Report story pertaining to children and the hazards and effects of sports on them.



A FISH STORY in fact is the case for Dick Nicholaus, Detachment 11, 2nd Weather Squadron, Patrick AFB, FL. Taking clams as bait and a 15-pound test line, Dick and his daughter Karen decided to surf fish in the Atlantic Ocean. At water's edge, across the street from the Air Force Technical Applications Center where he works, a tug on Dick's line netted him this seven and one-half-pound Pompano. Pompanos are normally much smaller. (U.S. Air Force photo)

Awards (Continued from Page 1)

environmental service support at staff level, goes to Lt. Col. James C. Owens, Operating Location A, 16WS, Ft. Huachuca, AZ. Last year's winner was Lt. Col. Eichi Shibata.

OBSERVER AWARD (Supervisor)

The AWS Observer Award (Supervisor) goes to MSgt. John E. Steffen, Det. 7, 31WS, Aviano AB, Italy, for excellence in observer supervision. Last year's winner was MSgt. Fortunato Moreno.

OBSERVER AWARD (Specialized)

The AWS Observer Award (Specialized Observing Function) for excellence as an observer assigned to other than surface weather observing functions goes to SSgt. Tommy M. Pelly, Det. 3, 11WS, Shemya AFB, AK. Sergeant Pelly has since been assigned to Det. 11, 2WS, Patrick AFB, FL. Last year's winner was SSgt. Albert H. Mongeon.

OBSERVER AWARD (Observing Function)

The AWS Observer Award (Observing Function) for excellence in provision of surface

observations or base weather forecasting support goes to Sgt. Penny L. Decker, Det. 2, 1WW, Nimitz Hill CST, Guam. Last year's winner was SSgt. Paul C. Ferris.

SPENGLER AWARD

The first winner of the Spengler Award is Col. Paul W. Kadlec (USAF Res.), assistant chief of Aerospace Physics, AWS deputy chief of staff for Aerospace Sciences, Scott AFB, IL. The Spengler Award goes to the most outstanding weather mobilization augmentee of the year.

Unit tells base weather mission on TV show

YONG SAN AI, KOREA—Detachment 18, 20th Weather Squadron here, recently went on television to inform Korea-based listeners of its mission.

According to Lt. Col. Dale C. Barnum, Det. 18 commander, many people thought the unit's only job was to provide weather to the local radio and television station. He said they were not aware of the unit's support of the United Forces, U.S. Forces Korea and the Eighth U.S. Army.

Det. 18 does provide weather forecasts for radio three times daily and for American Forces Korean Network television each evening. The nightly weather show is similar to those seen on civilian stations in America.

Capt. Stephen P. Pryor, a detachment forecaster and who appears on the nightly weather show, was also on the unit's television show. Later in the program Army Specialist Mike Scott interviewed two Det. 18 observers, SSgt. Gregory W. Calkins and Sgt. Craig R. Gower.



MULTIPLE CUPS are shown by Lonnie Dixon after he repeatedly coached the March AFB, CA, basketball team, the Bombers, to the winner's position. Under the 9th Weather Squadron man's leadership the Bombers defeated the West Coast Amateur Athletic Union as well as Nellis AFB, NV; George and Edwards AFBs, CA; and the Los Angeles AFS, CA. The team had a 23-3 season climaxed by winning the Mohave Desert Interservice and the Edwards AFB Christmas tournaments. (U.S. Air Force photo)

SPORTS SHORTS

Weathermen gain pin honors

BLYTHEVILLE AFB, AR—With four weeks remaining in the season, the 1974-1975 Blytheville AFB Bowling Champs, Detachment 14, 26th Weather Squadron, cinched its division title.

Members of the team and examples of their efforts, are: Mike Evans—594, Russell Barnes—549, Randy Peterson—515, Ron Singletary—534 and Tom Kennan—547. Other members are Bob Hagan and Bruce Wylie.

According to Hagan, the team topped all four local intramural leagues with 2,739 pins scratch and 3,150 pins with handicap.

CAPE ROMANZOF, AK—A weatherman took first place in Cape Romanzof's 18-game roll-off to choose a team to compete in the Alaskan Air Command Bowling Tourney.

When Richard A. Hudson, Operating Location J, 11th Weather Squadron, finished his 18 games he had scored 3,395 pins for a 188 average and team membership.

YOKOTA AB, JAPAN—When Jack Wilkinson, Detachment 17, 20th Weather Squadron here, destroyed his bowling average, he did it in the best possible way. He rolled 101 pins over it to a 254. The score, gained through nine consecutive strikes, qualified him for an American Bowling Congress century club award and earned him a \$15 gift certificate.

Nye's swing 'nigh perfect'

ELMENDORF AFB, AK—The 11th Weather Squadron's operations branch chief, Larry E. Nye, recently went on leave to Silverton, OR, and returned to duty with a personal golfing record.

At Silverton Evergreen Golf Course's 124-yard fourth hole he made the first hole-in-one of his golfing career.

Krauss new base chess champ

McGUIRE AFB, NJ—George Krauss, the 21st Air Force chief observer and a member of Detachment 10, 7th Weather Wing here, recently won the base championship in a game called by some the most difficult game in the world—chess.

Krauss' victory came after five rounds against 18 competitors. Winning is apparently not new to Krauss because in the last 12 years he has placed third and fourth in Air Force meets and third in the 1965 Armed Forces tournament.

Dets. claim reverse record

RAF CROUGHTON, UK—An all-Weather basketball team here, made up of members from Detachment 40, 2nd Weather Wing here; and Det. 17, 2nd Weather Wing, RAF Upper Heyford, ended the local intramural season as the only team with a perfect record.

The team did not "snatch victory from the jaws of defeat," but went the other way, according to Michael J. McGlynn, Det. 40 spokesman.

The season ended with the weather team having an 0-18 record. Coach Larry Carmack, asked about the unusual record, replied, "What? Me worry?"

Members of the team were John Callahan, Dave Chaffin, Dennis Detar, Bill Kvederavich, Ed Lignitz, Mike McGlynn, Ben Miyaji, Al Mongeon and Mike Peth.

Four enter Honolulu Marathon

HICKAM AFB, HI—Four weathermen were among the 706 entries in the 1975 Honolulu Marathon recently. They were Clarence Lee, Carl Snipes, and Lawrence Chun of Detachment 4, 1st Weather Wing; and Ken Daly, Headquarters 1WW.

According to Chun, the four weathermen in the third annual running of the 26-mile race were the only Air Force entry from Hawaii.

No trophies were won but Chun placed 185th with a time of 3 hours, 22 minutes, 22 seconds; Lee was 213th; and the placings of Daly and Snipes were not reported.