



AWS Observer

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"Fairness, diligence, sound preparation, professional skill and loyalty are the marks of American military leadership."

—Gen. Omar N. Bradley

Linda Odland named AWS Wife of the Year

Linda C. Odland has been named the AWS "Wife of the Year" for 1986 and is the AWS nominee to the Military Airlift Command for the "Joan Orr Air Force Wife of the Year Award."

The "Joan Orr Award" is named in honor of the wife of former Secretary of the Air Force, the Honorable Verne Orr. It recognizes the wives of active duty military members for their significant contributions to the Air Force.

Mrs. Odland was selected because of her contributions to not only the Air Force, but also the Army and civilian communities at Yongsan Army Installation, Seoul, Republic of Korea during 1986.

She was a member of many civic and community organizations and involved in all aspects of the community, actively helping and participating in many events.

She worked very closely with the Yongsan swim club and helped to train members of the club and raise funds for their participation in meets throughout Korea and the Far East.

When budget cuts threatened to deprive the DOD schools of funds required to conduct basic programs, she helped organize a campaign to make the concerns of parents in Korea known to members of Congress. Her efforts paid dividends, and even though some funds were cut, there were no detrimental

effects on the quality of education provided to dependent children in Korea.

Through her efforts, the parents of students having problems with their studies received reports on the subjects their children were doing poorly in and were able to help before their children failed.

Mrs. Odland also devoted time throughout the year as a Red Cross volunteer, helping in the local children's dental clinic.

She was an active member of the community chapel and was a lay eucharistic minister, helping with church services each week. She helped with chapel retreat programs and participated in the local parish council.

Her efforts during the Christmas holiday season meant 89 underprivileged children at a local orphanage received gifts and a good meal in an Army dining facility.

Mrs. Odland was an active member of many local wives' clubs, helping to organize social functions, monthly meetings and programs to support the clubs' local community activities.

During 1986, she also completed 15 semester hours toward a degree in counseling while maintaining a home for her husband and three daughters.

Originally from Prague, Okla., Mrs. Odland has been an Air Force wife since 1965 and has made a home for herself and family at 11



Linda C. Odland

different duty locations. Her husband, Col. John A. Odland, is the 20th Weather Squadron Commander.

Other weather wives nominated for AWS Wife of the Year were: Dianne M. Ferrera, Patricia L. Stokes, Donna J. Snider, Susan E. Fry and Ann B. Jenkins. Please see the stories below for information about these outstanding weather wives.

Weather wives active in local programs



Dianne M. Ferrera

Dianne Marie Ferrera was nominated because of her work as Chairman of Red Cross volunteers at Torrejon AB, Spain, member of the MAC Women's Group and Officer's Wives Club, and graduation from California State University with a bachelor's degree in Business Administration during 1986.

Originally from WestPoint, New York, she has been an Air Force wife since June 1984. Her husband, 1st Lt. Jim Ferrera, is the Wing Weather Officer to the 401st Tactical Fighter Wing.



Patricia L. Stokes

Patricia L. Stokes was nominated because of her work during 1986 as founder of a Parent Teacher Association at a local school; participation in the March of Dimes and Combined Federal Campaign; Brownie scouts; as well as being an active church member and leader. She also works full time in the AFMPC Micrographics Branch, Randolph AFB, Texas.

Originally from Dillon, S.C., she has been an Air Force wife since 1975. Her husband, Capt. Kenneth E. Stokes, is assigned to the 24th Weather Squadron.



Donna J. Snider

Donna Jean "Dutch" Snider served as coordinator of the Peterson AFB Family Services organization, represented the dependent community on a number of base advisory committees, presented briefings to newly-arrived personnel and their families, and was the Peterson Complex Family Services Volunteer of the Year for 1986. She was Chairperson for the Colorado Springs Weather Wives during 1986 and is currently the organization's secretary.

Originally from Tulsa, Okla., she has been an Air Force wife since 1964. Her husband, CMSgt. Alan C. Snider, is Senior Enlisted Advisor of 4th Weather Wing.



Susan E. Fry

Susan Elizabeth Fry was Chairperson of the Offutt AFB Weather Officer's Wives, a volunteer parent to local elementary school classes and taught a comprehensive writing enrichment program for gifted and low-level students. She was a Cub Scout Den Leader and was active in church activities, redesigning the Sunday School curriculum, training teachers and served on the altar guild.

Originally from Monterey, Calif., she has been an Air Force wife since 1972. Her husband Maj. Craig D. Fry, is assigned to the Special Support Division, Air Force Global Weather Central.



Ann B. Jenkins

Ann B. Jenkins was editor-in-chief of the Officers' Wives' Club monthly publication for 21st Air Force. She served on her church's Youth Pastor Search Committee and was elected to its Board of Missions and Women's Circle. She worked to support the local Women's Crisis Center and Senior Service Center and still found time to complete the requirements for a master of science degree.

Originally from Memphis, Tenn., she has been an Air Force wife since 1968. Her husband, Lt. Col. Edwin W. Jenkins is Director of Operations, 15WS, McGuire AFB, N.J.

Command Line '50 Years of Service'



Brig. Gen. George E. Chapman
Commander

I recently had the pleasure of reading a great book about the development of our Air Force entitled "Forged in Fire" by DeWitt S. Coop. The title alludes to the birth of the U.S. Air Force through outstanding air-manship during events, leading up to,

and including, World War II in Europe. My attention was caught by one particular section (pages 40 and 41) which I have extracted for reprint in this column because it has a direct bearing on our heritage in 50 years of Air Weather Service.

Far away, at West Point, on that same day, Norway was very much on the minds of Hap Arnold and Ira Eaker. Sadly, they were acting as honorary pallbearers at the military funeral of Air Corps Captain Robert M. Losey. Losey had been killed in Norway on April 21 during a German air attack, which made him the first American military officer to be killed in the war.

A West Point graduate, class of 1929, the young Iowan was both a pilot and a meteorologist and prior to overseas duty, he had headed the Air Corps Weather Service. When Russia invaded Finland, in late 1939, Losey went to Arnold and sold him on the idea of his going to Finland to observe aerial combat in the Arctic, an area of major meteorological interest. Arnold pushed Losey's travel orders through in two days and, in January 1940, the Captain was on his way to Helsinki. Four months later, when the Germans invaded Norway, he was in Stockholm on his way home. Because there was no U.S. military observer in Norway and the minister there was a woman, Mrs. Florence J. Harriman, Losey was ordered to join her as she tried to maintain contact with the disassembled Norwegian Government. They

met at a country inn, and several days later, after making certain Mrs. Harriman was out of harm's way, he moved up to the front lines, such as they were, to observe the fighting. Standing at the mouth of a tunnel during a Luftwaffe air raid on the town of Dombas, he was killed instantly by shrapnel from a German bomb.

Both Arnold and Eaker had admired the dedicated Captain and recognized the importance of his work in the small but vital Air Corps Weather Service.

That "small but vital Air Corps" Weather Service admired by Generals Arnold and Eaker today stands as a Service organization of nearly 5,000 people providing outstanding service to the needs of the Army and Air Force. On July 1st, we will celebrate our 50th Anniversary of this Service. We will do it with a large reunion and celebration here at Scott AFB and in nearby St. Louis — and with similar gatherings at other bases around the world. But we need to reflect on our heritage for we too were "forged in fire" by one of our early leaders who, in his quest for a better understanding of military operations and the impact of weather, paid the ultimate sacrifice for his country.

Chief's Comments

The statement, "How goes it?" always gets my curiosity humming. Am I going to be included with the "good" part of how goes it — or will the "not so good" part include me?

First, let's start with Professional Military Education (PME) results for 1986. Like 1985, the people in AWS came away with a large percentage of the awards. There were 95 attending the NCOA, and 33 came away with awards. The NCO Leadership School attendees were not to be outdone. There were 170 attendees and 62 award winners — two percent difference. The outstanding part of these statistics is that 265 graduated from these two schools. All of them deserve a "Congratulations."

These results further prove the enlisted people in today's Air Force are truly outstanding. There's very little that they cannot do when given a challenge and opportunity. Keeping them challenged is sometimes a problem for supervisors.

Anyone want to hear about assignments? After the initial change to the rules, everything has settled down and is working smoothly. Basically, there was not enough PCS money to continue making the same number of PCS moves as in past years. The system had to do it smarter and at the same time, save money and meet the mission requirements. Results are you and I will be staying longer in the assignments we now have. For those wishing to go overseas, there is now a two year minimum time on station requirement before being reassigned overseas. The minimum used to be one year. CONUS to CONUS moves require a three-year minimum time on station before being reassigned. However, most CONUS positions are being filled with overseas returnees or

How goes it....?

(pipeline) students. Those people overseas are being allowed to extend their DEROS, some are given high year tenure extensions etc... All of these efforts are to save money and get the mission accomplished.

The annual AWS Senior Enlisted Advisors conference will be held March 16-20. The main thrust of this conference is to discuss items submitted by your wing's advisor. The cross-feed between wings is beneficial to all of us. Just a reminder, your wing advisor is your spokesperson — don't wait until a conference before submitting suggestions or perceived problems. Let them know whenever you have a question.

This year's early-out program is somewhat more vigorous than in the past. As with the PCS moves, money, or the lack of it, is causing people to make career decisions earlier than planned. The Air Force currently has an overage of people, particularly within the enlisted force, and needs to know how many want to remain on active duty and how many want to get out. This will affect next year's recruiting quotas, prior service (persons who were in the Air Force, separated, and want to come back in), and career field shortages, which affect cross trainees. If you are involved with this early-out program, be sure you get all of the facts before making your decision.

The percentage selected for promotion to Staff Sergeant was 7.7 percent for the FY 87 B cycle. The Air Force had projected an increase in authorizations (funded positions) for FY 87. This projection was used to promote in the FY 87 A cycle. However, the money for the authorizations was not approved, and the correction for the extra promotions in Cycle A was made in Cycle B. Because of the short



CMSgt. Charles T. Melson
Senior Enlisted Advisor

promotion cycle, the percentage for E-8s will also drop from what it was last year. (Percentages for the other grades are not available at this time.) This will balance the authorizations versus people books for FY 87. FY 88 promotion quotas will be on track. However, this doesn't mean the percentages will increase to the same level as before.

That's a lot of information and hopefully I've explained the reasoning as to why some changes are taking place. Think of the Air Force's problems like your personal budget — when the well is going dry, you take action and make changes. They may cause a change in your current life style, but you operate a little smarter to meet your needs, and work to make sure your budget stays well.

Weather team says whether or not for BRIM FROST

by Capt. Richard von Hack-Prestinary
372nd public affairs detachment
MacDill AFB, Fla.

Erratic Alaskan weather conditions are often subjects for small talk and bad jokes. But for joint service ground operations and airlift support personnel, weather prediction and reporting is no laughing matter. It's critical.

For Exercise BRIM FROST '87, SrA. James Rabe and A1C Roland Gonzalez, members of the Special Operations Weather Team of Det. 75, 6WS, Hurlburt Field, Fla., were en route to Galbraith Lake to provide weather observation support to the Airlift Command Center at Elmendorf AFB.

"I'm a tropical man," said Gonzalez, "so this should definitely be an experience. But more shocking than anything else should be the weather. There is about a 95 degree average difference in temperature between here and our home base in Florida," he added.

Rabe explained, "Our mission is to take hourly weather observations and send up balloons to get upper wind data. We also relay significant weather to the ALCC forecaster."

"Our weather observations will be critical for go/no go air operations," said Gonzalez.

SOWT data impacts Army ground operations by providing information on inclement weather, wind chill factors, visibility and atmospheric pressure.

"Atmospheric pressure is critical because airplane altimeters need to be set and if troops or equipment are to be dropped, the altimeter must be correct for safety reasons," said Rabe.

Jump qualified for both static line and high altitude low opening drops, these elite troops were planning an airdrop of themselves and their equipment; however, high winds at Galbraith Lake precluded that event from happening.

Weather reporting has its hazards; Gonzalez had to be evacuated to the hospital at Fort Wainwright for illness resulting from the cold. (Reprinted from "Frostline" the exercise newspaper of BRIM FROST 87.)

Sub-for-Santa at Offutt

Each December, the Offutt AFB Chapel sponsors a Sub-for-Santa program, where base organizations donate money to purchase food to assist needy base families at Christmas. Nearly every member of AFGWC's Computer System Division was involved in a dozen fund-raising projects that accounted for more than half of AFGWC's total contribution. Here, the Computer System Division's fund-raising committee (left to right) SrA. Patti Cebula, Sgt. Patricia Lee and SrA. Robin Gierly present a \$1,625.49 check to Col. John Diercks, AFGWC Commander. (USAF photo by 2nd Lt. Lina G. Villaviray)



ANG Weather Flight vacancies

The following Air National Guard Weather Flights have vacancies. For more information, contact OL-B, HQ AWS, Langley AFB, VA, 23665-5000, or the 200th Weather Squadron (Virginia ANG) AV 574-7655.

(Air National Guard Weather Flights are allowed

to overman by 10 percent in the 25XX career field. Other WF locations are Andrews AFB and Aberdeen Prg Gd, Md.; Charlotte, N.C.: Wheeler AFB, Hawaii; Ontario, Calif.; Terre Haute and Indianapolis, Ind.; Columbus Ohio, Houston, Texas; Tulsa, Okla; and Topeka, Kan.)

Location	AFSC	Openings
101WF Otis ANGB, MA	2524	1
105WF Smyrna, TN (Nashville)	2524	1
	25150	3
107WF Selfridge ANGB, MI (Detroit)	2524	1
110WF St. Louis, MO	2524	1
	25150	1
116WF Fairchild AFB, WA (Spokane)	2524	1
	25150	2
119WF McGuire AFB, N.J.	2524	1
	25150	1
120WF Buckley ANGB, CO	2524	1
	25150	2
122WF New Orleans NAS, LA	2524	1
	25190	1
123WF Portland, OR	2524	1
	25190	1
	25150	2
126WF Gen Mitchell ANGB, WI (Milwaukee)	2524	1
	25150	5
130WF Charleston, WV	2524	1
131WF Westfield, MA	2524	1
	25170	1
	25150	1

140WF Willow Grove NAS, PA (Philadelphia)	2524	1
	25190	1
	25150	1
146WF Pittsburgh, PA	2524	1
	25190	1
	25150	1
154WF Camp Robinson, AR (Little Rock)	2424	1
	25150	2
155WF Jackson, TN	2524	1
	25190	1
163WF Ft. Wayne, IN	2524	1
165WF Louisville, KY	2524	1
	25190	1
182WF Kelly AFB, TX	25190	1
195WF Van Nuys, CA	2524	2
	25150	1
201WF Suffolk Co., Airport, NY (Long Island)	2524	1
	25150	4
203WF Ft. Indiantown Gap, PA (Harrisburg)	25190	1
	25150	5
204WF McGuire AFB, N.J.	25150	3
208WF St. Paul, MN	2524	1
	25150	2
209WF Camp Mabry (Austin), TX	2524	1
	25150	5

Suggestion earns \$1,000

MSgt. David W. Hall, HQ 4WW, Peterson AFB, Colo., thought that off-the-shelf wind alarms could be used at four Radio Solar Telescope Network sites instead of wind speed and direction measuring sensors. His suggestion was adopted, saved nearly \$20,000, and earned him more than \$1,000.

Air Weather Service had programmed new wind speed and direction measuring sensors for many AWS units. Hall identified a less expensive, off-the-shelf wind alarm system for the RSTN sites. These sites must secure their 3-, 8-, and 28-foot radio dishes when wind speeds reach 35 knots. Hall thought wind alarms were better suited for this purpose than wind speed and direction measuring sensors. By substituting the wind alarms for wind sensors, a tangible savings of nearly \$19,124 was realized.

Powerlifter takes third

Mr. William R. Schaub Jr., HQ 4WW Current Operations, Peterson AFB, Colo., recently competed in the Annual Peterson AFB Bench Press Invitational.

Army and Air Force lifters from several stateside installations and the Air Force Academy entered the competition. Schaub (the only lifter in the over-40 age group) took third place in his weight class with a press of 210 pounds.

Brig. Gen. George E. Chapman
AWS Commander

AWS Editorial Staff

MSgt. Michael T. Devine
Editor

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Mission Update

Weather Officer in Space program

by Maj. Gary Sickler

This is another in a series of articles highlighting the AWS Weather Officer in Space (WOS) Program. It updates the status of our first mission, outlines the WOS Program objectives, reviews the three proposed follow-on missions, and covers some recent and upcoming events.

Pathfinder Status

AWS planning for the Pathfinder mission continues. NASA currently projects the next shuttle launch to be in February 1988. Assuming NASA encounters no problems, the AWS Pathfinder mission, originally set to launch in November 1986, will probably go six to 12 months after the first launch. As indicated in earlier *Observer* articles, the mission will be in an equatorial orbit covering the areas between 28.5 degrees north and 28.5 degrees south.

Program Objectives

The underlying purpose of our WOS Program has been broadened to evaluate roles for AWS in providing operational support from a space station. There are five basic areas in which an orbiting AWS meteorologist could enhance operational support.

The first objective is to assess providing operational weather observations and decision assistance from space.

Second, is to collect coincident meteorological satellite data to compare with shuttle data. This objective is closely linked to the first and should provide a measure of the additional weather intelligence available over data-sparse regions.

The third objective is to collect data for atmospheric and ionospheric studies. These studies are expected to provide insights to help improve our understanding of key operational environment support needs.

These first three objectives are expected to supply most of the information needed to evaluate the fourth objective, the quality of space-based strategic and theater support.

Finally, these missions are anticipated to test sensor applications and reduce space-based sensor sensitivities. The ability to re-aim sensors, recalibrate instruments, or capitalize on opportune events during a shuttle flight offers considerable flexibility.

The results from these objectives have the potential to change how the future AWS does business.

Follow-on Missions

Three follow-on missions are planned: (1) a mid- to high-latitude inclination orbit to focus on atmospheric weather support. (2) a very high-latitude orbit to focus on atmospheric weather support, and (3) a space station simulation mission.

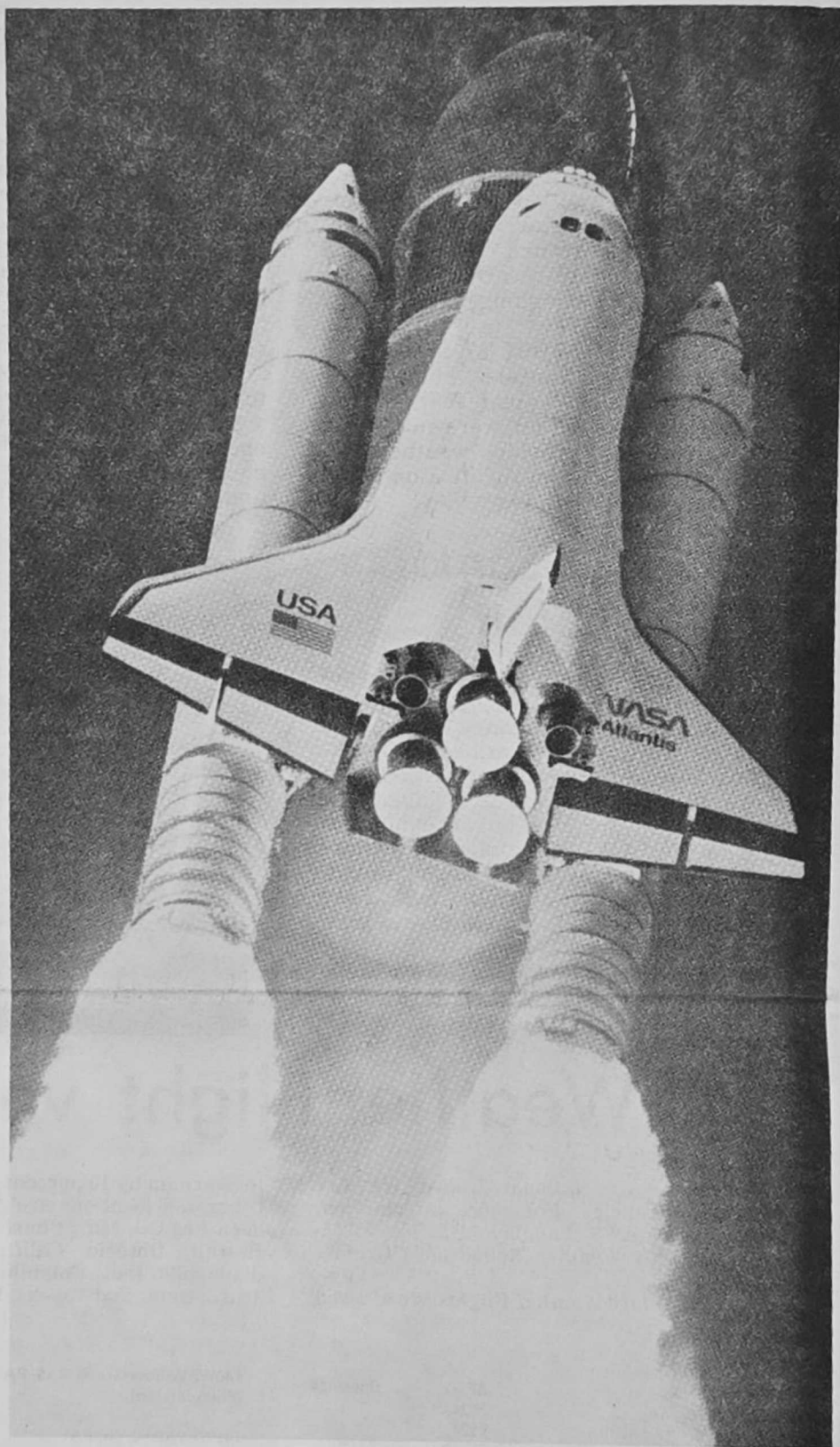
The purpose of the first follow-on mission is to continue the evaluation of AWS' ability to detect, interpret and predict weather from space. It will concentrate on severe weather associated with fronts and extratropical systems, and see if the shuttle perspective can reveal spatial and temporal details to help better understand how weather evolves. A few examples include: watching thunderstorms and squall lines evolve, collecting data on vertically propagating lightning, differentiating between snow and clouds, and investigating cloud free line-of-sight.

The second follow-on mission will be aimed at space support with heavy emphasis on ionospheric activity. A number of evaluations are planned during this mission. For instance, pinpointing and forecasting the movement of auroral disturbances; comparing the WOS observations and forecasts with those made at the space forecast center; and post-flight comparisons will be made between the center's observations and those taken on-board the shuttle.

The purpose of the third follow-on mission is to simulate an AWS mission on the space station. Plans include specialized sensors for accomplishing real-time operational support and use experience gained from previous flights to help assess impacts on future environmental sensors. This mission could lead to a continued presence of an AWS meteorologist in space.

Recent and Coming Activities

Weather Officer in Space planning efforts have been progressing smoothly and were particularly enhanced at a coordination meeting at Johnson Space Center last fall. In early December, AWS/Aerospace Sciences worked with engineers from Johnson Space Center on WOS milestones, computer



The Shuttle Atlantis moments after clearing the launch tower to begin its first mission in space.

simulations of Pathfinder and planning the on-board activities of the first weather officer in space. Members of the Air Force Space Command (AFSPACECOM) assisted the AWS staff and key MAC and AFCC members on the Military Man in Space (MMIS) Program.

On Jan. 22, AWS/Aerospace Sciences briefed the three follow-on missions to an Air Force MMIS Prioritization Review Board at AFSPACECOM to get them in line for future shuttle flights. Early in February, the WOS Program was presented to a NASA-DOD executive panel for the space station chaired by the Space Station Director and a Deputy

Undersecretary of the DOD. These presentations were received very well.

Present plans call for additional briefings on AWS follow-on missions at a DOD MMIS Prioritization Board in mid-March. At this review, the AWS follow-on shuttle missions will be ranked against other Air Force, Army and Navy space missions for scheduling on future shuttle missions.

With the broadened WOS Program, and as these AWS space initiatives continue to progress smoothly, there is a very real possibility that AWS may be the first operational DOD organization in space.

Collens Award

The 208th Weather Flight, Minnesota ANG, St. Paul, Minn., has been selected to receive the 1986 AWS Collens Award. This award honors Maj. Gen. John W. Collens, former Commander of AWS (1974-75). It is given to the most outstanding Air National Guard weather flight. Nominees for the Collens Award are judged on the unit's mission readiness training, technical training, participation in host/supported unit activities and voluntary support (in addition to annual training and unit training activities). Members of the 208th Weather Flight are (left to right): (front row) Maj. Richard W. Mohnsen, SSgt. Billy R. Herrmann, TSgt. Russell A. Dorn, Amn. Edward C. Walker, SSgt. John M. Cavanaugh, AIC Martin T. Stickney, (back row) SSgt. Shirley A. Lemke, Sgt. Karen Engelstad, TSgt. Brian A. Magnuson, SSgt. Robert J. Sjolund, SSgt. John J. Ferguson, AIC Linda A. Langland and AIC Anna I. Schuweiler.



Grimes Award

Det. 20, 30WS, Camp Casey, Korea, has been named as the 1986 Grimes Award winner. This award honors Col. Keith R. Grimes, former Commander, 19th Weather Squadron. It is presented to the outstanding AWS weather unit exhibiting the highest state of readiness to support the wartime tactical Air Force or tactical Army mission.

Squadron of the Year

20th Weather Squadron has been named the AWS Squadron of the Year for 1986. This award recognizes an AWS squadron from both a technical and operational perspective.

In only its second year since reactivation, 20th Weather Squadron provided outstanding environmental support to a wide variety of Air Force and Army commands in six time zones from Hawaii to northern Japan.

With strong leadership, guidance and support from the headquarters staff, 20th Weather Squadron units displayed exceptional initiative in many areas. Their resourcefulness extended to applying new technology to improve electro-optical weapons support, setting new technical records and flawlessly managing major radar and weather communications equipment upgrades.

Williams Award

Det. 8, 31WS, Zweibrucken AB, Germany, has been selected to receive the 1986 Williams Award. This award honors Col. Randolph P. Williams, who organized the Army Air Corps Weather Service in 1937 and is presented to the most outstanding AWS unit serving as a weather station with a weather observing and forecasting or briefing function. Members of Det. 8 31WS are (left to right): (front row) SSgt. Randy L. Gavin, AIC Todd R. Mueller, SSgt. Eric Diaz, Capt. Robert W. Keefer Jr.,

MSgt. Shirley A. James, AIC Angela J. Hurd, TSgt. Bruce G. David, SSgt. Brik A. Blackford, (back row) TSgt. Stan P. Zolczynskik, 1st Lt. Alan D. Robinson, Sgt. Jody D. Rogers, SrA. James M. Littleton, SrA. David J. Douglas, AIC Raymond J. Waller, AIC Michael J. Pietrazk and SSgt. Scott D. Weber. Not shown are MSgt. Jerry B. Heath, SSgt. John F. Mulcair Jr., SSgt. Jay E. Shulsinger, Sgt. Kimberly A. Stoner, Sgt. Steven E. Winston and SrA. Susan B. Angley.

Moorman Award

The Contingency Support Branch, AFGWC, Offutt AFB, Neb., has been selected to receive the 1986 AWS Moorman Award. This award honors Lt. Gen. Thomas S. Moorman, former Commander of AWS (1954-58). It is given for the most outstanding support by an AWS unit other than a weather station. These include weather support units, forecast units, solar observing units, the Joint Typhoon Warning Center, staffmet units, branches of AFGWC and USAFETAC and elements of the Automated Weather Network. Units eligible for the Williams Award are not eligible for this award. Members of the AFGWC Contingency

Support Branch are (left to right, front row) SSgt. Michelle Timperio, SSgt. Monica Vassey, SSgt. Susan Rhodes, (second row) TSgt. Walter Wilkerson, TSgt. Robert Monroe, TSgt. Kenneth Lucius, TSgt. Michael Nardi, Maj. Cranston Coleman, SSgt. David Rivera, (third row) TSgt. Stephan Mastison, SSgt. David Brann, SSgt. Edward Reed, MSgt. Earl Wilsing, TSgt. Daniel Phillips, SSgt. Howard Trull, TSgt. Marshall Baer, SSgt. Harry Druckenmiller, (back row) SSgt. Thomas Applebach, SSgt. Vance Marco, SSgt. William Lomax, TSgt. Jeffrey Strong, TSgt. Samuel Carter, TSgt. Richard Kalber, SSgt. William Thomas



and SSgt. Ronald Sinnard. Not shown are SSgt. Peter Glinski, SSgt. Michael Kinney, SSgt. Tim

Oropeza, SSgt. Eugene Welch Jr, SSSgt. Frank Chernowetz and SSgt. Ricky Hiltbrand.

AWS Salutes

Education

Air War College:

Maj. Robin Ericson (seminar), HQ 4WW, Peterson AFB, Colo.

Air Command and Staff College:

Capt. Gerald R. Borger, HQ 5WW, Langley AFB, Va.; Capt. Harold L. Massie, Det 13, 7WS, Traben-Trarbach, Germany; Capt. Michael E. Hoofard (seminar), HQ 11WS, Elmendorf AFB, Alaska.

Squadron Officer School:

Capt. Phillip M. Nostrand (DG), OL-A, Det 50, 2WS, Johnson Space Center, Texas; Capt. Kathy M. Long, 17WS/WL, Travis AFB, Calif.; 1st Lt. John M. Egentowich, 15WS, McGuire AFB, NJ; 1st Edmund L. Zinni, Det 13, 7WS, Traben-Trarbach, Germany; 1st Lt. Mark D. Zettlemoyer, HQ 3WS, Shaw AFB, SC; 1st Lt. Martin Hendron, Det 2, HQ AWS, Pentagon, DC; 1st Lt. Theodore T. Vroman, Det 2, 9WS, Castle AFB, Calif.; 1st Lt. Freeman P. Bridges, Det 2, 11WS, Eielson AFB, Alaska; 1st Lt. Sharon A. Wieman, HQ 11WS, Elmendorf AFB, Alaska.

Senior NCO Academy:

MSgt. Roger E. Lowe, Det 15, 28WS, RAF Mildenhall, UK;

NCO Academy:

TSgt. Luke D. Whitney (Honor Grad), Det 9, HQ AWS, Las Vegas, Nev.; TSgt. William White (DG), Det 6, 3WS, Homestead AFB, Fla.; TSgt. John Coleman, Det 11, 9WS, Beale AFB, Calif.; TSgt. Terrence M. Young, Det 17, 9WS, Ellsworth AFB, SD; TSgt. Peter Copeskey, Det 9, 24WS, Maxwell AFB, Ala.; TSgt. Michael Boettcher, Det 3, 3WS, Myrtle Beach AFB, SC.

NCO Leadership School:

SSgt. Michael C. Maynard (DG, LM Award, World Affairs Award), Det 6, 17WS, Hill AFB, Utah; SSgt. Frederick M. Key (DG, Academic Achievement Award), Det 2, 7WS, Hanau, Germany; SSgt. Stephen A. Burkholder (DG), Det 21, 9WS, Minot AFB, Calif.; SSgt. Richard Compton (DG), Det 1, 3WS, Shaw AFB, SC; SSgt. Paul A. Armitage (Grad w/Merit), AFGWC, Offutt AFB, Neb.; SSgt. James C. Parsons (Grad w/Merit), AFGWC, Offutt AFB, Neb.; SSgt. James M. Ford, Det 2, 9WS, Castle, Calif.; SSgt. Raymond Bigler, Det 1, 9WS, Offutt AFB, Neb.; SSgt. Reginald K. Boyd, Det 31, 15WS, Dobbins AFB, Ga.; Sgt. Jon Milam, Det 9, 24WS, Maxwell AFB, Ala.; SSgt. Randall D. LaRue, AFGWC, Offutt AFB, Neb.; SSgt. Harvey Kislow, Det 12, 24WS, Sheppard AFB, Texas; SSgt. Richard D. Sutton, Det 21, 15WS, Pope AFB, NC; SSgt. Harvey Kislow, Det 12, 24WS, Sheppard AFB, Texas; SSgt. Richard W. Korich, Det 17, 9WS, Ellsworth AFB, SD.

NCO Preparatory Course:

SrA. Kevin S. Lawrence (Levitow Award), AFGWC, Offutt AFB, Neb.; SrA. Mia S. Forkner (DG), Det 8, 17WS, McClellan AFB, Calif.; SrA. Charles A. West, Det 1, 7WW, Keesler AFB, Miss.; SrA. Douglas L. Schueller, AFGWC, Offutt AFB, Neb.; SrA. JoAnn M. Yurconic, Det 1, 7WW, Keesler AFB, Miss.; SrA. Stephen J. Mikiska, Det 4, 17WS, Altus AFB, Okla.; SrA. Lisa A. Correa, Det 26, 26WS, Grissom AFB, Ind.; SrA. Cary C. Shaw, Det 15, 15WS, Wright-Patterson AFB, Ohio; SrA. Charles R. Buckley, Det 15, 28WS, RAF Mildenhall, UK; SrA. Daniel W. Radebaugh, Det 28, 26WS, Wurtsmith AFB, Mich.; A1C Clay C. Cyr, 11WS/WL, Elmendorf AFB, Alaska; A1C Joseph C. Burge, Det 5, 11WS, Ft Wainwright, Alaska; SrA. Shawn P. Ambrisco, HQ 11WS, Elmendorf AFB, Alaska.

Weather Technician Course:

Jan. 14, 1987

SSgt. James D. Anderson, Det 2, 17WS, Travis AFB, Calif.; Sgt. Allan E. Barnes, Det 15, 9WS, Grand Forks AFB, ND; SSgt. Thomas E. Bogner, AFGWC, Offutt AFB, Neb.; Sgt. Timothy G. Bondy, Det 5, 9WS, Malmstrom AFB, Mont.; Sgt. Cory E. Brockmann, Det 8, 5WS, Ft. Riley, Kan.; SSgt. Charles H. Hall, Det 10, 2WS, Eglin AFB, Fla.; Sgt. Charles L. Ryan, AFGWC, Offutt AFB, Neb.; SSgt. Rudy B. Tinglehoff, Det 10, 2WS, Eglin AFB, Fla.; SSgt. Jay G. Wessendorf, Det 14, 26WS, Blytheville AFB, Ark.

Jan. 29, 1987

SSgt. Ronald Burkhalter, Det 3, 3WS, Myrtle Beach AFB, SC; SSgt. Pamela J. Collins, 2WW, Kapaun AS, Germany; SSgt. Theresa A. Deboer, Det 9, 15WS, Scott

AFB, Ill.; SSgt. Harold D. Eifert, Ellsworth AFB, SD; Sgt. Billy C. Fritz, Det 21, 5WS, Hunter AAF, Ga.; SSgt. Gary C. Justus, Det 8, 17WS, McClellan AFB, Calif.; Sgt. Linda Kiff, Det 11, 24WS, Reese AFB, Texas; A1C Patrick J. Lewis, Det 11, 25WS, Cannon AFB, NM; Sgt. Clarence McKinney, Det 11, 2WS, Patrick AFB, Fla.; Sgt. Frederick E. Reynolds, Det 14, 25WS, Holloman AFB, NM; SSgt. Jeffery T. Shephard, Det 6, 5WS, Ft. Lewis, Wash.; Sgt. John M. Stumph, Det. 12, 31WS, Torrejon AB, Spain; SSgt. Kurt E. Thompson, Det 12, 25WS, George AFB, Calif.; Sgt. John S. Turnbull, Det 15, 15WS, Wright-Patterson AFB, Ohio; Sgt. Mary B. Weinmann, Det 17, 28WS, RAF Upper Heyford, UK.

Master's Degree to:

Capt. Michael Grunwald, Det 1, 7WW, Keesler AFB, Miss.; from Embry Riddle University in Aviation; Capt. Michael E. Hoofard, HQ 11WS, Elmendorf AFB, Alaska, from Texas AM in Meteorology; SMSgt. Jimmie W. Troutman, 24WS, Randolph AFB, Texas.

Bachelor's Degree to:

TSgt. Patrick K. Rugg, OL-A, 9WS, F.E. Warren AFB, Wyo., from Southern Illinois University in Industrial Technology; TSgt. Daniel R. Edwards, Det 2, 5WS, Ft. Belvoir, Va., in management studies.

CCAF Degrees to:

TSgt. Luke D. Whitney, Det 9, HW AWS, Las Vegas, Nev., from CCAF in Weather Technology; MSgt. Randall W. Mayo, Det 21, 9WS, Minot AFB, ND, from CCAF in Meteorology; TSgt. James P. Fitzgerald, Det 11, 9WS, Beale AFB, Calif.; from CCAF in Meteorology; MSgt. Vincent J. Delaney, 207WF, Shelbyville, Ind., from CCAF in Weather Technology; MSgt. Ralph J. Eagen, Det 9, 24WS, Maxwell AFB, Ala.; from CCAF in Weather Technology; TSgt. Robert J. Wonders, Det 9, 24WS, Maxwell AFB, Ala., from CCAF in Weather Technology; Sgt. Keith Ristuben, Det 18, 30WS, Yongsan, Korea, from CCAF.

Promotions

To Lieutenant Colonel:

Robert G. Borchers, AFGWC, Offutt AFB, Neb.; Stephen P. Pryor, Det. 11, 9WS, Beale AFB, Calif.; Robert S. Noonan Jr., Det 21, 2WS, Edwards AFB, Calif.

To Major:

Richard W. Taylor, Det 9, HQ AWS, Las Vegas, Nev.

To Captain:

Jon A. Roberts, AFGWC, Offutt AFB, Neb.; Betty A. Gracin, Det 7, 9WS, March AFB, Calif.; Keith North, Det 2, HQ AWS, Pentagon, DC; Theodore R. Wilz, HQ 5WW, Langley AFB, Va.; Sharon A. Wieman, HQ 11WS, Elmendorf AFB, Alaska.

To First Lieutenant:

Gregory S. Hanners, AFGWC, Offutt AFB, Neb.; Charles E. LaCerra, 15WS, McGuire AFB, NJ; Morgen E. Ramsey, Det 16, 25WS, Nellis AFB, Nev.; Mark Hertick, Det 16, 9WS, Dyess AFB, Texas; James E. Callen, Det 15, 28WS, RAF Mildenhall, UK; Norman Mandy, 17WS/WL, Travis AFB, Calif.; Donald H. Berchhoff, HQ 5WW, Langley AFB, Va.; Jude F. Holzer, 9WS/WSU, March AFB, Calif.; Larry W. Kincaid, HQ 5WW, Langley AFB, Va.

To Chief Master Sergeant:

Oscar K. Pierce, HQ 3WS, Shaw AFB, SC.

To Senior Master Sergeant:

Larry L. Hildebrand, AFGWC, Offutt AFB, Neb.; Edmund D. Wallace, AFGWC, Offutt AFB, Neb.

To Master Sergeant:

William H. Taylor (STEP), Det 9, 5WS, Ft. Rucker, Ala.; Nevin H. Dehoff, AFGWC, Offutt AFB, Neb.; Stephen W. Borders, Det. 11, 9WS, Beale AFB, Calif.

To Technical Sergeant:

Daniel E. Phillips, AFGWC, Offutt AFB, Neb.; William L. Stricklin, Det 4, 17WS, Altus AFB, Okla.; Michael P. Childress, Det 9, HQ AWS, Las Vegas, Nev.; Robert H. Davis, Det 3, 9WS, Fairchild AFB, Wash.; Ronnie G. King, Det 9, HQ AWS, Las Vegas, Nev.; Robert L. Hugg, Det 17, 9WS, Ellsworth AFB, SD; Elda Butts, Det 31, 15WS, Dobbins AFB, Ga.; Rickey J. Murphy, Det 22, 24WS, Keesler AFB, Miss.

To Staff Sergeant:

Theresa M. Ciotola (STEP), Det 1, 31WS, Bitburg AB, Germany; David R. Botsford, AFGWC, Offutt AFB, Neb.; Brenda L. Heberling, Det 5, 15WS, Dover AFB, Del.; Jon Emond, Det 1, 7WW, Keesler AFB, Miss.; James C. Parsons, AFGWC, Offutt AFB, Neb.; Michael D. Madden, 6WS, Hurlburt Field, Fla.; Wanda D. Camacho, Det 11, 25WS, Cannon AFB, NM; Paul A. Hay, HQ 2WW, Kapaun AS, Germany; Nancy L. Chandler, Det 14, 26WS, Blytheville AFB, Ark.; Roland R. Keene, Det 2, 5WS, Ft. Belvoir, Va.; Jonathan R. Milam, Det 9, 24WS, Maxwell AFB, Ala.; Anthony W. Kopp Jr., Det 2, 9WS, Castle AFB, Calif.; Terry L. Barnes, Terrie A. Davidson and Michelle R. Strobehn, Det 28, 26WS, Wurtsmith AFB, Mich.

Appointed to Sergeant:

Scott E. Crutchfield, 9WS/WSU, March AFB, Calif.; Rodney K. Ray, Det 2, 17WS, Travis AFB, Calif.; Philip A. Gonsalves, Det 11, 25WS, Cannon AFB, NM; Robert M. Easley, HQ 11WS, Elmendorf AFB, Alaska; James E. Holmes, Det 31, 15WS, Dobbins AFB, Ga.; John C. Broughton, Det 14, 25WS, Holloman AFB, NM; Michele A. Gatton, Det 1, 11WS, Elmendorf AFB, Alaska; Thomas R. Meckes, Det 7, 17WS, Kelly AFB, Texas; Robert L. Hirl, OL-I, 11WS, King Salmon Island, Alaska; Dennis B. Ramsdell, Det 15, 28WS, RAF Mildenhall, UK; Charles Colmenero, Det 16, 25WS, Nellis AFB, Nev.; James J. Lavin Jr., Det 4, 11WS, Ft. Richardson, Alaska; James D. Eldridge, Det 14, 17WS, Norton AFB, Calif.; Walker E. Skeens, 15WS, McGuire AFB, NJ; Robert H. Lehrman Jr., OL-D, 11WS, Galena Airport, Alaska; Tarvis L. Simpkins, Det 7, 9WS, March AFB, Calif.; Robert A. Courtney, Det 18, 30WS, Yongsan, Korea; Keith R. Bird, Det 40, 2WW, RAF Croughton, UK; Kurt A. Reszegi, HQ 11WS, Elmendorf AFB, Alaska; Robert J. Henderson Jr., Det 28, 26WS, Wurtsmith AFB, Mich.; Freddie Scott Jr., Det 18, 28WS, RAF Fairford, UK; William A. Whitt, Det 18, 30WS, Yongsan, Korea; Darren P. Mansfield, Theodore F. Prichard and John W. Weber, Det 7, 7WS, Grafenwoehr, Germany; Rose M. Bomar, Steven G. Botz, Wendy J. Oliver and Linda L. Whitmore, AFGWC, Offutt AFB, Neb.

To Senior Airman:

Jeffrey J. Weirback (BTZ), Det 14, 25WS, Holloman AFB, NM; James B. Cocker (BTZ), Det 19, 30WS, Camp Humphreys, Korea; Patricia D. Kane (BTZ) HQ 11WS, Elmendorf AFB, Alaska; Jon Hubbell (BTZ), Det 16, 9WS, Dyess AFB, Texas; Daniel W. Radebaugh (BTZ), Det 28, 26WS, Wurtsmith AFB, Mich.; Ernest J. Luoma (BTZ), Det 4, 11WS, Ft. Richardson, Alaska; Jeffrey M. Gard, Det 18, 30WS, Yongsan, Korea; Richard C. Ballucanag, Det 21, 2WS, Edwards AFB, Calif.; Stephen J. Mikiska, Det 4, 17WS, Altus AFB, Okla.; Daniel A. Woods, Det 19, 30WS, Camp Humphreys, Korea; Jack D. Hilyard, 207WF, Shelbyville, Ind.; Michael C. Burlow, Det 18, 30WS, Yongsan, Korea; James E. Totaro, Det 18, 28WS, RAF Fairford, UK; Lisa A. Correa, Det 26, 26WS, Grissom AFB, Ind.; Cynthia D. Trapp, Det. 3, 11WS, Shemya AFB, Alaska; Michael A. Minard, Det 19, 30WS, Camp Humphreys, Korea; Shane Farrow, Winston A. George and John W. Truslow Jr., Det 3, 11WS, Shemya AFB, Alaska.

To Airman First Class:

Gary F. Brown, HQ 2WW, Kapaun AS, Germany; Thomas J. Baroni, Det 5, 15WS, Dover AFB, Del.; Bryan S. Harvey, Det 8, HQ AWS, Las Vegas, Nev.; Stephen P. McElroy, Det 11, 7WS, Coleman Bks, Germany; Ronald P. Thurow, Det 28, 26WS, Wurtsmith AFB, Mich.; Richard S. Mathews, Det 8, HQ AWS, Las Vegas, Nev.; Tamara J. Lang, Det 10, 2WS, Eglin AFB, Fla.; Daniel T. Gregg, Andrew D. Wood, Robert E. Brunelle, James J. Marcilla and Peter Anderson, AFGWC, Offutt AFB, Neb.

To Airman:

Susan L. Sanderson, Det 23, 17WS, Kirtland AFB, NM; Clark Keith, Det 9, 15WS, Scott AFB, Ill.; Shelly R. Gladwell, Det 16, 25WS, Nellis AFB, Nev.; Ronald E. Dexter, HQ 20WS, Yokota AB, Japan; Iwana Burleson, Det 1, 3WS, Shaw AFB, SC; Virgil C. Garrett, Det 9, 24WS, Maxwell AFB, Ala.; Gary R. Silvia, Det 6, 26WS, Pease AFB, NH; Annette D. Koors, 207WS, Shelbyville, Ind.; Holly A. Logsdon, Det 14, 26WS, Blytheville AFB, Ark.; Donald R. Dawson, Det 17, 24WS, Williams AFB, Ariz.; Todd H. Riley, William V. Westhart, Andrew R. Pohl, Andrew T. McClure, Melinda L. Pearson and Kelly D. Divis, AFGWC, Offutt AFB, Neb.

Medals

Meritorious Service Medal to:

Maj. Wayne L. Golding (4 OLC), AFGWC, Offutt AFB, Neb.; Lt. Col. Randolph W. Ashby (3 OLC), HQ 4WW, Peterson AFB, Colo.; Lt. Col. James A. Phillips (2 OLC), 9WS, March AFB, Calif.; Lt. Col. Mark D. Maxwell (2 OLC), 5WW/DOX, Langley AFB, Va.; CMSgt. Roy W. Mullan (2 OLC), 9WS, March AFB, Calif.; Lt. Col. Harold R. Schmitt (1 OLC), 5WW/DNS, Langley AFB, Va.; Maj. Robert W. Haschalk (1 OLC), AFGWC, Offutt AFB, Neb.; SMSgt. Clair L. Burroughs, Det 29, 17WS, Buckley ANGB, Colo.; Capt. Bartlett Hamilton, 5WW/DNS, Langley AFB, Va.; TSgt. David A. Girton, AFGWC, Offutt AFB, Neb.; Capt. Daniel Dumont, HQ 4WW, Peterson AFB, Colo.; SMSgt. William E. Phillips, Det 5, 9WS, Malmstrom AFB, Mont.; TSgt. Donn C. Wilson, AFGWC, Offutt AFB, Neb.; Maj. Richard W. Taylor, Det 9, HQ AWS, Las Vegas, Nev.

Air Medal to:

Capt. Daniel Shoemaker (2 OLC), 1st Lt. Michael Fitzpatrick (2 OLC), TSgt. Alan Robb (2 OLC), SrA. Michael Jentzen (1 OLC), 1st Lt. Kenneth Reese, 1st Lt. Martin Loveless and 1st Lt. Mark Mullins, Det 3, 1WW, Andersen AFB, Guam.

Joint Service Commendation Medal to:

Capt. Michael T. Gilford, 5WW/DNS, Langley AFB, Va.

Air Force Commendation Medal to:

MSgt. James Wallace (2 OLC), Det 18, 30WS, Yongsan AIN, Korea; TSgt. Patrick K. Rugg (1 OLC), OL-A, 9WS, F. E. Warren AFB, Wyo.; Capt. Wayne S. French (1 OLC), 5WW/DOD, Langley AFB, Va.; SSgt. David A. Bessey (1 OLC), Det 10, 30WS, Camp Humphreys AIN, Korea; TSgt. Kim Van Vleet (1 OLC), Det 7, 24WS, Mather AFB, Calif.; SSgt. Donald R. Robinson, AFGWC, Offutt AFB, Neb.; SrA. Lyndall M. Siverly, OL-I, 11WS, King Salmon Island, Alaska; TSgt. Flor-deliza Faulkner, Det 14, 26WS, Blytheville AFB, Ark.; SSgt. Arthur J. Comeau, AFGWC, Offutt AFB, Neb.; TSgt. George R. Statler Jr., Det 14, 26WS, Blytheville AFB, Ark.; SSgt. Mark E. Minard, Det 9, 3WS, Tyndall AFB, Fla.; SSgt. Rita M. Anderson, Det 1, 11WS, Elmendorf AFB, Alaska; 1st Lt. Martin Hendren, Det 2, HQ AWS, Pentagon, DC; SSgt. John E. Hogan, Det 7, 17WS, Kelly AFB, Texas; SSgt. Frank T. Wright, HQ 7WW, Scott AFB, Ill.; Sgt. Timothy G. Triana, Det 7, 17WS, Kelly AFB, Texas; SSgt. Jeffrey H. Miller, HQ 7WW, Scott AFB, Ill.; Sgt. Kevin S. Corriveau, Det 7, 17WS, Kelly AFB, Texas.

Army Commendation Medal to:

CMSgt. Oscar K. Pierce, HQ 3WS, Shaw AFB, SC; Capt. Thomas A. Stenzel, 9WS, March AFB, Calif.; TSgt. Robin R. Smith, Det. 26, 26WS, Grissom AFB, Ind.

Combat Readiness Medal to:

TSgt. George R. Statler Jr., Det 14, 26WS, Blytheville AFB, Ark.; SSgt. Alice R. Cramer, Det. 23, 17WS, Kirtland AFB, NM.

Air Force Achievement Medal to:

TSgt. Benny Leal (2 OLC), Det 16, 9WS, Dyess AFB, Texas; SSgt. Gordon K. Chapman (1 OLC), 3350TTG, Chanute AFB, Ill.; SrA. David A. Skerritt (1 OLC), Det 15, 15WS, Wright-Patterson AFB, Ohio; SSgt. Meta Simants, Det 20, 24WS, Laughlin AFB, Texas; Lt. Russell C. Arnold, Det 3, 11WS, Shemya AFB, Alaska; MSgt. Paul R. Mason, AFGWC, Offutt AFB, Neb.; Maj. Clifford M. Rudy, 5WW/DOK, Langley AFB, Va.; A1C Steven T. Gregory, OL-D, 11WS, Galena Airport, Alaska; Sgt. Gary L. Lewis, Det 7, 9WS, March AFB, Calif.; SSgt. Robert B. Hawk, 3350TTG, Chanute AFB, Ill.; SrA. Kevin S. Lawrence, AFGWC, Offutt AFB, Neb.; SSgt. Veronica Quzack, HQ 4WW, Peterson AFB, Colo.; A1C Francis D. Manthey, Det 11, 7WS, Coleman Bks, Germany; SSgt. Sylvia R. Bickwill, Det 15, 28WS, RAF Mildenhall, UK; SrA. Michael D. Evans, Det 19, 30WS, Camp Humphreys, Korea; TSgt. Tommy B. Timmons, Det 9, HQ AWS, Las Vegas, Nev.; SSgt. Richard D. Heath, Det 1, 17WS, Tinker AFB, Okla.; SrA. Michael H. Cook, Det 9, 15WS, Scott AFB, Ill.

Unit Honors

Junior Officer of the Year for:

2WW — 1st Lt. Kimberly L. Carver, Det 1, 31WS, Bitburg AB, Germany;
5WW — 1st Lt. Thomas J. Borland, 1WS, MacDill AFB, Fla.;
AFGWC — Capt. John H. Jacobson, AFGWC, Offutt AFB, Neb.;
20WS — 1st Lt. David Goe, Det 8, Kadena AB, Japan.

Senior NCO of the Year for:

2WW — SMSgt. Dennis F. Gagne, HQ 31WS, Sembach AB, Germany;
5WW — MSgt. Joan A. Holzman, 5WW/DP, Langley AFB, Va.;
9WS — SMSgt. Tommy Pelley, Det 1, Offutt AFB, Neb.;
20WS — SMSgt. Billy Brown, Det 5, Clark AB, the Philippines;
24WS — MSgt. Ralph J. Egan, Det 9, 24WS, Maxwell AFB, Ala.

NCO of the Year for:

1WW — TSgt. Chris Andrejck, Det 5, 20WS, Clark AB, the Philippines;
2WW — TSgt. Stanley P. Zolczynski, Det 8, 31WS, Zweibrucken AB, Germany;
5WW — SSgt. Frank J. Hall, Det 25, Howard AFB, Panama;
24WS — TSgt. Peter M. Copeskey, Det 9, 24WS, Maxwell AFB, Ala.

Airman of the Year for:

3WW — Amn. Cynthia Roats, Det 1, 9WS, Offutt AFB, Neb.;
5WW — A1C Michael F. Street, Det 3, 3WS, Myrtle Beach AFB, SC;
20WS — Sgt. Terry A. Daniels, HQ 20WS, Yokota AB, Japan.

Civilian of the Year for:

2WW — Gail C. VandenBroeck, 2WW/DO, Kapaun AS, Germany;
5WW — Stanley W. Tkach, 5WW/DOX, Langley AFB, Va.

Enlisted Administrator of the Year for:

5WW — SrA. Sharon L. Perry, HQ 3WS, Shaw AFB, SC.

IMA of the Year for:

24WS — Maj. Darryl Look, Det 7, Mather AFB, Calif.

Safety NCO of the Year for:

24WS — SSgt. Clayborn Barnett, Det 20, Laughlin AFB, Texas.

Junior Officer of the Quarter for:

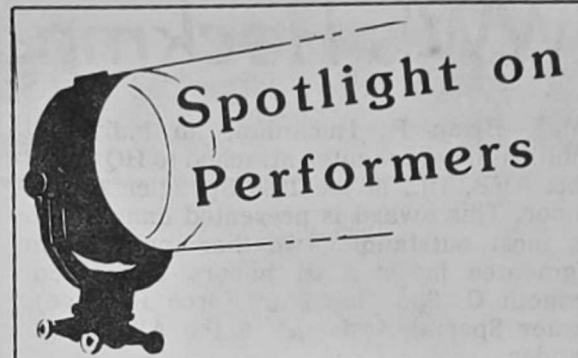
1WW — Capt. Wendel T. Stapler (Oct.-Dec.), 1WW/DNC, Hickam AFB, Hawaii;
3WS — 1st Lt. Martin C. Nehring (Jan.-March), Det. 3, Shaw AFB, SC;
20WS — 1st Lt. Daniel Salsburg (July-Sept.), Det 8, Kadena AB, Japan;
20WS — 1st Lt. Nemesio Quintanilla (Oct.-Dec.), Det 5, Clark AB, Philippines
26WS — 2nd Lt. Michael L. Talbert Det. 14, Blytheville AFB, Ark.
Senior NCO of the Quarter for:
4WW — MSgt. Thomas J. Stansbury, Det 6, 4WW, Peterson AFB, Colo.
5WW — MSgt. Joseph Kisela, Det 7, 5WS, Ft. Ord, Calif.;
3WS — MSgt. Richard A. Warner III (Jan.-March), Det 23, Moody AFB, Ga.;
9WS — MSgt. Albert E. Turner (July-Oct.), HQ 9WS, March AFB, Calif.;
9WS — MSgt. William J. Andersen (Oct.-Dec.), Det 2, Castle AFB, Calif.;
11WS — MSgt. Thomas M. Haskins, Det 3, Shemya AFB, Alaska;
20WS — MSgt. Lee B. Bruce (July-Sept.), Det 17, Yokota AB, Japan;
20WS — MSgt. Frank Benton (Oct.-Dec.), Det 5, Clark AB, the Philippines.

NCO of the Quarter for:

1WW — SSgt. Alfred Green (July-Sept.), Det 18, 30WS, Yongsan AIN, Korea;
1WW — Sgt. Joseph P. Quitaro (Oct.-Dec.), 1WW/CCQ, Hickam AFB, Hawaii;
4WW — SSgt. Leroy G. Kirkegard, Det 4, 4WW, Holloman AFB, NM;
5WW — TSgt. James Kely, Det 14, 25WS, Holloman AFB, NM;
3WS — SSgt. Albert F. Heineman (Jan.-March), Det 9, Tyndall AFB, Fla.;
7WS — TSgt. Richard A. LeBlanc (Oct.-Dec.), Det 11, Coleman Bks, Germany;
9WS — SSgt. Bruce D. Rolando, Det 21, Minot AFB, ND;
11WS — TSgt. David D. Cramblett, Det 4, Ft. Richardson, Alaska;
20WS — TSgt. Christopher Anderjeck (July-Sept.), Det 5, Clark AB, the Philippines
20WS — TSgt. Dale Honhart (Oct.-Dec.), Det 5, Clark AB, the Philippines.

Airman of the Quarter for:

4WW — SrA. John M. O'Hargan, Det 10, 2WS, Eglin AFB, Fla.;
5WW — SrA. Robert Mahler, Det 14, 5WS, Ft. Hood, Texas;
3WS — A1C Bridget D. Clayton (Jan.-March), Det. 5,



1st Lt. Dave Landers gives Lt. Gen. Kenneth L. Peek Jr., 8th Air Force Commander, the day's forecast.

Who: 1st Lt. David E. Landers

What: Identified as an outstanding performer by the MAC/IG.

Where: 8th Air Force Weather Support Unit, 26WS, Barksdale AFB, La.

Why: He is a hard-working weather support unit forecaster who invested a significant amount of time becoming an expert on support to SAC roles and missions. His weather briefings and updates for command post controllers and for daily general officer staff meetings were excellent.

Lieutenant Landers' morning meteorological discussions for the squadron staff and relief forecaster were superb in every way. In leading these discussions, he made excellent use of existing facsimile and satellite products and phone call discussions with subordinate detachment forecasters to orient his presentation to that day's 8AF flying missions.

For example, in March 1986, he alerted a deploying tanker task force of a last minute change in winds greater than the critical wind factor of the deploying aircraft. Additional fuel was added and the mission went as planned. In June 1986, the FAA closed all SAC low levels (routes) in the northeast U.S. due to forecast severe turbulence. After reanalyzing the synoptic situation, he called the Boston FAA who re-opened the routes and SAC successfully completed their training missions.

England AFB, La.;
7WS — A1C Larry D. Rodgers (Jan.-March), Det 11, Coleman Bks, Germany;
9WS — Amn. Cynthia Roats (July-Sept.), Det 1, Offutt AFB, Neb.;
9WS — A1C Larry D. G. Pasag (Oct.-Dec.), Det. 17, Ellsworth AFB, SD;
11WS — SrA. Kenneth P. Alarie, Det 2, Eielson AFB, Alaska;
20WS — SrA. Alton Stiverson (July-Sept.), Det 8, Kadena AB, Japan;

7WW's Heckman named Spengler Award winner

Maj. Brian E. Heckman, an individual mobilization augmentee attached to HQ 7WW, Scott AFB, Ill., is the 1986 Spengler Award winner. This award is presented annually to the most outstanding weather mobilization augmentee in AWS. It honors Brig. Gen. Kenneth C. Spengler (Air Force Reserve), former Special Assistant to the AWS Commander.

Heckman's accomplishments far exceeded his annual reserve duty and training commitments and demonstrated superior technical expertise and leadership. His efforts led to significant cooperation between AWS and the National Weather Service in exchange of ideas and the development of improved forecasting techniques for field meteorologists of both services.

As Assistant Project Officer of the first Environmental Support Orientation Conference, he handled every detail for supporting the 11 civilian and military speakers at the conference. The conference provided a unique opportunity for individual mobilization augmentees assigned to AWS to collectively improve their knowledge.

Brig. Gen. Clarence Lee, Mobilization Assistant to the AWS commander said, "This conference could not have been the outstanding success it was in increasing the

wartime readiness of the conferees...without Major Heckman's dedicated and untiring efforts."

His work in organizing the Advanced Satellite Interpretation Workshop at Boulder, Colo., a combined AWS-NWS workshop increased cooperation between the military and civilian meteorological communities.

Along with these major projects, he maintained a military work schedule that doubled his required training points. He provided meteorological satellite training to seven active duty units, wrote a forecaster memorandum and drafted a technical report.

He developed techniques to improve forecasts of high winds at Lajes, Azores, that will assist all DOD forces using the field.

As Deputy Area Manager for the Denver Weather Service Forecast Office, Heckman works many key NWS projects. He is a member of the Advanced Weather Interactive Processing System for the 1990s Task Force. In his local community, he is a member of the Citizens Committee and Chairman of the Accountability Committee of the Board of Education. He also works with various math and science departments within the community to advance the curricula in the areas of applied science and meteorology.

Maj. Brian E. Heckman
HQ 7th Weather Wing
Scott AFB, Ill.

Schools: B.S. (1968) and M.S. (1978) in meteorology from Texas A&M, where he was a distinguished military cadet and Squadron Commander in the Corps of Cadets. Completed Air Command Staff College, currently enrolled in Air War College.

Active duty: Commissioned through ROTC in 1968. Undergraduate Pilot Training at Williams AFB, Ariz. Duty as a C-130 pilot with the 54th WRS, Andersen AFB, Guam, and 7th Airborne Command and Control Squadron, Udorn RTAB, Thailand. Separated 1972.

IMA duty: Forecaster in the Air Force Reserves at Ellington AFB, Texas, Richards-Gebaur AFB, Mo., and the Kansas City Air Route Traffic Control Center Olathe, Kan.

Decorations: Air Medal with one oak leaf cluster, the Air Force Commendation Medal and the Air Force Achievement Medal.

Professional: Member of the American Meteorological Society and a former counselor and current member of the National Weather Association, where he serves on the Aviation Meteorology Committee.

Where's the flashlight?

by 1st Lt. Steve Higley
Chief, Space Environmental
Production Section, AFGWC

What extremes will AWS personnel go to get out a product? If that person works in the SES, short for Space Environmental Support, Branch at AFGWC, Offutt AFB, Neb., and the product has a 1-1 precedence, the extremes can be...well, extreme.

The SES Branch puts out a variety of products describing the near Earth environment in support of DOD space systems. The most important of these products is the Magnetometer Analysis, or GEMAG bulletin.

The GEMAG bulletin goes out every 90 minutes to support several customers, including Special Strategic Programs. The GEMAG has an Air Force precedence of 1-1 and even has priority over alerts of solar flares. In other words, the GEMAG has to get out.

So what happens if the GEMAG's primary mainframe computer goes down? The AFGWC computers have been known to do this exactly at GEMAG time. The SES team goes calmly to primary backup procedures, calculating on another of AFGWC's mainframe computers. The results are then typed into a COMEDS terminal and transmitted to customers.

So what happened if all the mainframes have crashed? It has happened. The SES team members switch to secondary backup procedures, using a special Z-100 micro-computer program which produces a copy of the product. This is then sent to customers over the COMEDS.

What if the Z-100 is out for repairs? The SES team implements tertiary backup procedures, calculating the GEMAG manually on a hand-held calculator. Then it is typed into

the COMEDS and sent to the customers.

What happens during a total power failure? Lightning strikes are fairly common at Offutt AFB and total power failures have occurred. If so, the SES team falls all over itself to find the branch's one flashlight. Failing this, a cigarette lighter will work. The team then calls each magnetometer station and obtains the data by phone calculating the GEMAG on the hand held calculator and phoning the product to primary customers.

No one currently working in SES can remember a time when a GEMAG was not sent (though a few have been late). Through all adversities, customers can count on this vital data to support some of the nation's highest priority space systems.

But one question remains. What happens if the batteries in the hand-held calculator die?

AMS honors

hurricane

forecaster

Capt. John R. Roadcap was presented the 1987 American Meteorological Society "Award For An Exceptional Scientific Prediction" during the AMS annual meeting in January.

He received the award "for his exceptionally accurate forecasts for Hurricanes Elena, Juan and Kate during the 1985 hurricane season which resulted in excellent preparations on the part of Eglin Air Force Base personnel and avoidance of loss of lives, equipment and property. During the 1985 hurricane season, he was assigned to Eglin AFB, Fla.

Roadcap is presently working on a PhD at St. Louis University through the Air Force Institute of Technology.

HQ AWS/PA
SCOTT AFB, IL 62225-5008

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HICKAM AFB HI 96853

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