



# AWS Observer

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**Sperry Corp. prime contractor**

## "Supercomputer" for AFGWC

by  
Maj James Wilson  
and  
2nd Lt Michael McKito

The Air Force Computer Acquisition Center at Hanscom AFB, Mass., recently announced the selection of the Sperry Corporation for the Advanced Weather Analysis and Prediction System as the integration contractor.

Maj Dennis Jebsen, AFGWC Project Officer, said that this "Supercomputer" purchase also includes two Sperry 1100-series computers, which will store the enormous amounts of data for input to and output from the X-MP. As the prime contractor, Sperry will provide a Cray X-MP, two Sperry 1100/70 series computers and a Network System Corporation HYPERchannel communication network.

The Cray X-MP Computer System with its 9.5 nanosecond (billionths of a second) clock cycle time and two million words of central memory, is the fastest general purpose computer system commercially available today. The X-MP is capable of an overall instruction rate of more than 200 million instructions per second. Computation rates of more than 400 million 64-bit floating point operations are possible, and combined arithmetic/logical operations can exceed one billion operations per second. The X-MP is more than 50 times faster than the fastest computer currently in operation at AFGWC. It will give AFGWC the capability to employ more sophisticated, high resolution weather analysis and prediction models.

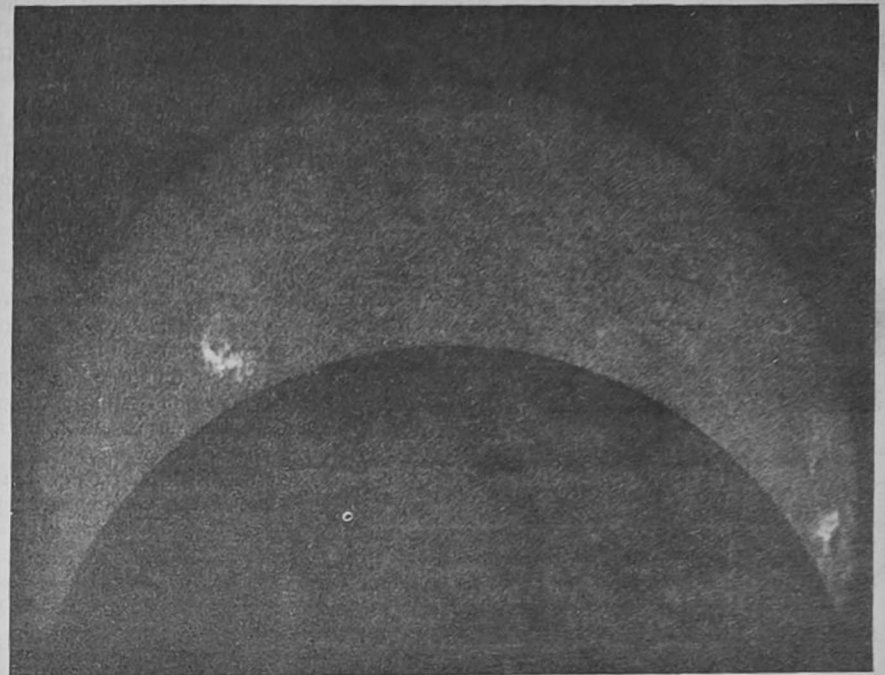
AFGWC is scheduled to install Serial No. 19 of the X-MP line, as soon as it is built. To date, only 10 of the systems have been installed. The X-MP at AFGWC will be used to process new high resolution analysis and forecast models being developed by AFGWC and the National Meteorological Center.

The Sperry 1100/70 computer systems are new technology general purpose computers. One 1100/70 will serve as a front-end to the X-MP and will store the high resolution analysis and forecasts database fields. The second 1100/70 will serve as a back-up to the primary database computer and will be used for database and models development.

The National Meteorological Center HYPERchannel is a bus architecture trunk capable of transferring data between network nodes at 50 million bits per second. A total of eight node adapters will interface the Cray X-MP to the two Sperry 1100/70s and two existing AFGWC Sperry 1100/82s.

A new computer facility is being constructed at AFGWC to house the new computers. Construction began on May 29 and should be completed in late November. Installation of the computers will immediately follow completion of the facility. After installation and acceptance of the computers, AFGWC will require nine to 12 months of integration effort to bring the models into operation.

This will be only the second such computer used for weather forecasting. The other is owned by a consortium of European nations and is located at the European Center for Medium Range Forecasting at Reading, England.



## Partial Solar Eclipse

Although Det 4, 4WW, Holloman AFB, N.M. wasn't in the path of May's total solar eclipse, their Solar Observing Optical Network (SOON) Telescope provided an excellent view of the partially eclipsed sun.

## 5WW goes "Back-to-Basics"

What does "Back-to-Basics" mean? For educators and school children, it means getting back to fundamental concepts in reading, writing and arithmetic.

For meteorologists, the term means getting back to the fundamentals of meteorology: data and data analysis.

"Back-to-Basics" is a continuing program which stresses: understanding basic synoptic analysis and forecasting principles; aggressive analysis/reanalysis of centralized products; and comprehensive discussions. Fifth Weather Wing implements this voluntary program through motivation — command emphasis, Technical Consultant Visits, seminars, and newsletter articles.

"Goals of "Back-to-Basics" are to: encourage a systematic approach to analysis and forecasting; increase forecaster's analysis skills and understanding of synoptic principles; provide a check on centralized analysis and forecasts; and issue better forecasts.

Suggested minimum analysis for each of the charts available to all base weather stations are:

- 300 MB — Polar max wind band.
- 500 MB — Representative height contour; Troughs and height fall centers; Continuity on these features.
- 700 Mb — Troughs; Continuity.
- 850 MB — Polar and arctic fronts;
- 12 and 24 hours continuity; 24 hour temp changes.

Surface — Evaluate accuracy of analysis; Correct analysis errors.

Fifth Weather Wing's Services Branch method is to examine and

reanalyze upper level charts to better understand synoptic patterns and changes. They then relate weather phenomena to large and small scale upper level features. Next they examine numerical guidance to determine whether computer analysis agrees with the manual analysis. They are then in a position to determine confidence in forecast models, a key to forecasting in CONUS. More importantly, they are able to make their own prognosis if the models are not available or are not working. Finally, the forecaster applies his or her knowledge of local effects in developing the Terminal Aerodrome Forecast.

By following this systematic analysis routine and discussing the interpretation of these analysis and prognosis during forecaster discussions, forecasters will be able to strengthen their understanding of how the atmosphere works.

"Back-to-Basics" will improve forecasting at the forecaster's home station. It will also prepare forecasters to predict the weather at any mid-latitude station. For this reason 5WW encourages all units to analyze upper air and surface data for a large portion of the US. Even though the analysis may not always contribute directly to the preparation of the local terminal forecast, this effort will vastly increase a unit's technical readiness to support its wartime mission.

"Back-to-Basics" is an approach to forecasting based on fundamental meteorological concepts. The important payoff is more confident and competent forecasters and better forecasts in peace or war.

## MTAs meet for the last time

A recent 5WW/Air National Guard conference held at Virginia Beach, Va., offered a final opportunity for AWS MAC Technical Advisors to formally gather.

MTAs or WATAs (Weather Air Technical Advisors) as they were called in the 1950s and 1960s, have long been a fixture in the ANG program. However, continued manpower and budget pressures have forced closure of this program.

Starting this summer, all positions being vacated by normal rotations will be left unfilled. The end of FY'85 should see all active duty AWS NCOs out of the individual flights and back into normal AWS operations.

These individuals served as the on-the-spot AWS experts for all aspects of ANG weather flight training efforts. They had to be skilled in areas ranging from forecaster and observer functions to supply and administrative duties. Further, they were often the leading

edge of flight coordination and liaison activities.

A typical work week would see them doing everything from recruiting and training new personnel to servicing field gear that had been borrowed from a wide range of other military units. Hence, MTAs were the original "Jack-of-all-trades." Tours in this program were always an excellent way for individuals to test themselves in all aspects of small unit management.

To help pick up the slack in advisor support, Det 6, HQ AWS at Langley AFB, Va., will be beefed up by the addition of three NCOs. In addition, Air Force funding will be programmed in FY'86 to recruit and hire Air Guard Reserves. The Air Guard Reserves will be Guardsmen on extended active duty and their entry into each of the weather flights will open yet another chapter in the vital support provided to AWS by the State Guard program.

# Command line "The Payoff Was Worth It!"



Col. George E. Chapman  
AWS Commander

One of the major topics I stress in talks to civic leaders, senior officers, and in written articles (such as last month's *Command Line*), is the big investment we make in peacetime training to insure we can meet our wartime commitments.

Last year our command spent 29,000 man-days involved in field training exercises to give us the added edge that we may need if we are called upon. I am sometimes asked if we can afford to meet the exercise

commitments in view of the limited manning we have in the NCO ranks — and my response is that we can't afford not to do it.

Fortunately it's not too often we are called on to demonstrate our readiness under fire, but when you see and hear the reaction of students — American Citizens — who feel their freedom has been preserved by American forces well-trained to do their job — then you know the payoff to the training is well worth it — because it is the very reason we serve.

I am speaking, of course, of the URGENT FURY Operation at Grenada and the AWS involvement. Last week I had the proud honor of presenting Bronze Star Medals to some of the AWS personnel who were called upon to support the forces on Grenada. Excerpts from the citations read:

"While between the airfield and the Operations Center, the enemy counterattacked and a fire fight ensued. Despite the confusion of enemy fire and the onset of darkness,...within 90 minutes of landing on a contested airfield, his team was providing critical weather information to ground force commanders."

"...Volunteered to join a combined weather, security police, and combat control team to reconnoiter, secure, and operate Pearle Airfield."

"He continued to take weather observations from the cab of the tower despite frequent, accurate sniper fire."

Were our people ready? You bet. Was their service important — absolutely. But let me give you another view of the importance of the service you render. Approximately 18 months ago I was meeting with a general officer in the Pentagon, and he was talking

about the value of the support all of you in Air Weather Service provide. He stated that he had seen only one "FLASH Precedence" message in his career (the highest precedence accorded to traffic) and that message was being used to pass observed and forecast weather information to friendly forces under wartime conditions to assist in force deployment decisions. That describes the importance of your service in a nutshell.

We had nine people there on Grenada, providing that same kind of urgent support — and they did their job superbly — they were well-trained!

Major Wilbur G. Hugli  
2d Lt Brett W. Scholten  
SSgt Stephen R. Levesque  
SSgt Stephen A. Lord  
Sgt Daniel W. Jones  
Sgt James D. Methven  
SrA Joel A. Young  
A1C Mark J. Odenbach  
Amn Jerry C. Brewer

There were many others involved in behind-the-lines support, more than 40,000 men and women in MAC, and your support was also vital to the success of our commitment; and as General Ryan recently stated, each of you will receive recognition for your role in URGENT FURY during consideration for your end-of-tour award.

However, last week's ceremony was for those who operated "In-Harm's-Way." You did your job well — the training paid off — and we were proud of you. Thanks.

## chief's comments E-8 Selection Summary

I've just received a summary from the last E-8 selection board. Maybe some of you have already read some of what I am about to write. However, there are several important do's and don'ts in the summary as well as some good ideas to help our people get promoted.

The board convened at Air Force Military Personnel Center on April 2, 1984. There were 18,309 records reviewed by 12 panels to fill approximately 3,000 SMSgt vacancies. SMSgts constitute two percent of the total enlisted strength with a DOD grade ceiling of 9,942.

The current promotion policy was: Promote against Air Force vacancies. Make equal distribution to all AFSCs. Promote the best qualified and most fully qualified. To do this, there was a two-phase selection process — computer evaluation of quantifiable factors and the Central Evaluation Board.

The computer evaluation is the easy part. All of the points from the Supervisory Exams, APRs, PME, decorations, time-in-grade and time-in-service are totaled. The board is unaware of the actual points earned in this phase.

The Central Evaluation Board used the whole person concept; performance, leadership, breadth of experience, job responsibility, professional competence, specific achievements and education.

Items used to make this decision are: APRs, level of assignments, where/when was the assignment, scope/exposure, expertise of specialties, awards/decorations and level/utilization of education.

The bottom line of this evaluation is: POTENTIAL. Potential for a person to assume the responsibilities at the next grade level.

The combination of the two phases determines the ranking of an individual among other eligibles within the same career field. Whether one gets promoted or not depends on the cutoff score and the individual's total score.

Observations from this board's experience gives us some insight as to what the board looked for in making an evaluation. We can use their experience to help improve our folk's chances for promotion.

APRs are the most important item in a promotion folder. They are a history of the individual's military career. That's why we must take the time and effort to make the APR as accurate as we can.

The level of indorsement should be determined by the individual's performance and potential — don't let rank be the determining factor. The indorsement should contain specific comments about performance and potential. Remarks like, "have personal knowledge of the performance," are extremely important.

The latest APR is the most important. It can confirm or cause doubt about an otherwise outstanding record. Know when an individual becomes eligible for E-8/E-9, and make sure the latest APR gets that extra attention.

Under the heading of decorations, some of the citations gave no clue as to "what was being recognized." Even more upsetting was the lack of decorations — failure of the person's supervisor to submit him/her for an award. And some of us have been guilty of this in the past.

The lack of PME costs points during the computer evaluation (20 points for SNCOA) as well as the board's evaluation. Non-completion of PME was viewed by the board as lack of initiative on the individual's part. **FACT: All AWS E-8 selectees had completed SNCOA.**

Education at only the HSDP (High School Diploma) level was also viewed as lack of initiative. A trip to the education office asking for a CCAF evaluation can improve this area.

Varied assignments in different organizations with different raters and indorsers were considered a plus. Homesteading was a definite negative. A demonstrated excellence as a technician was not as important as demonstrated excellence as a leader of people. Being a station chief would enhance someone's chance for selection. **FACT: All but two AWS selectees were, or had been, a station chief. Two others were NCOIC's of a large work center.**



CMSgt. Charles T. Melson  
AWS Senior Enlisted Advisor

The writing style of the rater is also important. A well written APR compels a board member to read it. Leave out the ambiguities and put it in a language all can understand. Acronyms should not be used unless they are explained within the text. Sometimes we use AWS terms and acronyms without realizing that non-weather people will someday be reviewing these records. Confusion could cause a board member to make an unfavorable decision about an individual.

Basically, the writing of an APR and the submissions of an award comes down to being credible. If the individual deserves a higher indorsement, send it forward. If an individual deserves an award, submit one. Let's do our part to make the system credible.

# Luftwaffe Weather Service in WWII

by John Fuller

One of the most important principles of war is "know your enemy." For the Army Air Forces (AAF) Weather Service in World War II, that meant the German and Japanese weather services.

Not much was known about them just before or during the war, but after it ended, the situation changed. Immediately after Germany surrendered in May 1945, AAF intelligence officials directed the 18th and 21st Weather Squadrons in Europe to review captured documents and interrogate prisoners. Their purpose was to determine the structure of the German weather services, their capabilities and limitations. They were also to assess their usefulness to the German war effort.

## 91-page report

After five months of investigation, the 91-page report was filed in October 1945. It concluded that there were a lot of similarities. German meteorologists prepared forecasts for the *Luftwaffe* similar to the AAF Weather Service. The average forecaster did an excellent job throughout the war. An extremely complex weather organizational structure developed with a military organization superimposed over the civilian weather service led to bickering and inefficiency.

Briefly, the German Weather Service, the *Reichswetterdienst* or RWD, came into being in 1934-36 when the various provincial meteorological services were consolidated into a single service under the German Air Ministry. The Reichs Minister of Aviation, and commander in chief of the *Luftwaffe*, was Field Marshal Hermann Goering.

Command of the RWD was given to the man credited with establishing it, Major General (Dr.) Richard Habermehl. He was a well known meteorologist who had been a member of Germany's first military weather service in World War I. Until 1939, Habermehl's RWD served the requirements of the three armed services and all civil aviation. In July 1939, separate meteorological services were formed for the German Army and Navy, with the RWD having the sole responsibility for supporting the *Luftwaffe*.

## High level disagreement

At that time, Habermehl was replaced. He had been involved in a disagreement with the chief of staff of the German armed forces. A parade, which Hitler would attend, was slated for Munich. Habermehl's forecaster at Munich was Dr. Wegeleben, a recognized expert with special knowledge of Bavaria's weather. Wegeleben predicted a thunderstorm between 4:30 and 5:00 p.m., but the storm actually broke at 3:35. Hitler passed some very scathing remarks about the forecast to his entourage and a few days later, Habermehl was instructed to fire Wegeleben. Habermehl refused, so a few months later, Goering removed him as RWD commander.

Habermehl was given the lesser office of "President" of an obscure splinter organization, the *Reichsamt fuer Wetterdienst* (Reichs Office of Weather Service, or RfW). As a small, about 300 people, sub-department of the German Air Ministry, RfW's main subordinate element was a climatological institution or center in Berlin run by Habermehl's RfW deputy president, Dr. Karl Knoch. Knoch's center prepared climate studies and summaries used for military operations throughout the war.

Replacing Habermehl as the RWD commander was a General Spang. A regular officer without a meteorological background, Spang's elevation caused resentment among the professional meteorological leaders. It led to disharmony and inefficiency.

Since Spang was not a meteorologist, briefings to the German General Staff were given by Dr. Diesing, chief of the *Zentralwetterdienstgruppe*, or ZWG, the RWD's main weather center. Spang remained until late 1942 when he was replaced by a professional meteorologist, Colonel (Dr.) Rudolf Benkendorf. Benkendorf continued as Chief Meteorologist of the *Luftwaffe* until the war's end.

## 6,000-7,000 peak strength

At its peak strength in November 1943, the RWD's manning was about 6,000 to 7,000. The RWD had three subordinate organizations of particular note. The most important was the ZWG which, after Diesing's death in July 1943, was under the direction of Dr. Werner P. Schwerdtfeger. There was also the Research Institute for Long Range Weather Forecasting, under Dr. Franz Baur. Finally, there were the RWD's weather reconnaissance squadrons.

Because little weather data over the British Isles and the Atlantic was acquired by intercepting and deciphering Allied reports, the RWD and the other weather services were forced to rely on submarine reports and weather recon flights for their analysis. Two-thirds of all weather developments came from the west.

## Recece squadrons formed

Dr. Habermehl had been responsible for ensuring that German aircrews in World War I made weather observations. From that experience, weather reconnaissance squadrons were formed again before World War II. The first squadron was formed at Gatow Air Base near Berlin in 1936 for test purposes. From 1940 on, each numbered air fleet (roughly equivalent to a numbered air force of the AAF) had its own weather recon squadron. There were four air fleets as of 1939.

Prior to 1941, the aircraft most used for weather recon was the two-engine, Heinkel He-111 bomber. Later, the two-engine, Messerschmitt Me-110 fighter was used for such flights over enemy territory. But the backbone was the two-engine Junkers Ju-88 bombers. They cruised at about 200 kilometers an hour and had a range of eight to 12 hours using wing tanks.

Several standard tracks were flown, including one from Brest, France to western Ireland and back. The story was told that almost daily, the *Luftwaffe* bird out of Brest and Royal Air Force (RAF) "Lancasters" out of St. Mawgen would meet over the water and rendezvous in the Biscay area, saluting one another by dipping their wing tips.

Taken on each flight was a meteorologist, who doubled as the navigator. They were specially trained for that job in a school directed by Dr. Schwerdtfeger, Germany's foremost weather reconnaissance expert, who flew more than 400 such flights before taking command of the ZWG.

Met instruments aboard included the meteorograph. An electrical aerograph and a dropsonde were under development as the war ended. At pre-arranged points, spiraling ascents and descents were made to take vertical observations, just as the AAF and RAF did.

## Recece traffic deciphered

During the flights, the weather data were relayed by radio in a special code devised in 1942 by Dr. Schwerdtfeger. Before 1942, a complicated cipher was



Dr. Georg J. Richard Habermehl, former Chief of the German Meteorological Service, center, discusses weather observation locations used by the German Wehrmacht during World War II with Lt Col Wilbert H. Ruenheck, head of the Air Force Academy Department of History. Dr. Habermehl was 71 when this photo was taken in 1961.

used. The Germans were unaware that the British were able to decipher the *Luftwaffe* weather recon traffic. On the other hand, occasionally the Germans obtained bits and pieces from British weather broadcasts. The Russian cipher was consistently broken by the Germans one hour after reception. It gave them excellent weather coverage over areas under Russian control.

All of the weather recon reports, and all other weather data from about 325 *Luftwaffe* weather reporting stations, were channeled to a centralized collection point. That was the ZWG at Wildpark, near Berlin which was under Dr. Schwerdtfeger's direction from September 1943 on. The most competent meteorologists were assigned to that master analysis center. It generated several weather analysis bulletins (surface synoptic, pressure variation, upper-air, etc.)

It also prepared a 24-hour area (large scale) forecast which was the basis for briefings to Goering's *Luftwaffe* staff. The area forecast was based on the 5:00 and 8:00 a.m. observations and was issued about noon for a valid period beginning at 8:00 a.m. the next day. Techniques applied to the short-range forecasts were about the same used by the AAF Weather Service. Basically, the theories applied were those of the Norwegian school regarding air masses and frontal analysis. (Editor's note: Next month, "A lesson from history" will continue explaining the *Luftwaffe*'s Weather Service during World War II and how it affected the war's outcome.)

Col. George E. Chapman  
AWS Commander

SSgt. Michael T. Devine  
Editor

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## MAC's New Sr. Enlisted Advisor

by A1C Dawn Marotte  
Office of Public Affairs  
1st Special Operations Wing  
Hurlburt Field, Fla.

CMSgt. Carl Roberts has been selected to be the Military Airlift Command's new senior enlisted advisor. Chief Roberts, formerly senior enlisted advisor at the 1st Special Operations Wing, Hurlburt Field, Fla., replaces retiring CMSgt. Harry E. Davis.

All MAC base senior enlisted advisors were eligible for the assignment. Their records were scrutinized by a board and five were chosen to meet with Gen. Thomas M. Ryan Jr., MAC commander



in chief. General Ryan made the final decision.

Chief Roberts arrived at MAC headquarters at Scott AFB, Ill., the first week in June.

"I'm extremely proud to be selected as senior enlisted advisor, representing almost 68,000 enlisted men and women in the command," Chief Roberts said.

The chief was stationed at Hurlburt Field for about 10 years, spread out over three separate assignments. "I grew up in the 1st Special Operations Wing," he said. "It's one of the best wings in the Air Force. I'm looking forward to working with the other wings in the command."

"Being key players in the combat arm of MAC has made us justifiably proud," the chief added. "Special Operations has expanded MAC's role in the Air Force mission."

Among Chief Roberts' awards and decorations are the Bronze Star with V device and one oak leaf cluster; the Meritorious Service Medal with three oak leaf clusters; the Air Force Commendation Medal; the Air Force Achievement Medal; the Air Force Outstanding Unit Award with five oak leaf clusters and the Combat Readiness Medal.

## Reinforcing the Atlantic alliance spirit

Project Partnership is a US Air Force, Europe, program that encourages closer professional and social ties between U.S. and allied units.

Closer ties help reinforce the spirit of the Atlantic alliance and the essential need for team play. Over the past two years, Det 14, 31WS, Hahn AB, Germany, and its counterpart German weather unit at Pferdsfeld AB have developed a strong and active professional and social relationship under Project Partnership that both units find immensely rewarding.

Sharing common problems, like trying to get a handle on Hunsruck mountain weather, supporting fast-

moving fighter-bomber units and just plain having a high regard for one another are the nutrients from which this excellent "Buddy Base" relationship thrives.

Recently, Maj Sam Trunzo, Det 14 commander, and SSgt Sam Seyerle, Det 14 Buddy Base Liaison, presented a 31WS plaque to Dr. Muller-Steffen, Pferdsfeld MET OIC, commemorating two years of excellent rapport between the units.

Project Partnership is alive and well in Hunsruck. And it will get better as Det 14 and other 31WS units work toward continued close German-American ties.

## Three Out of Four Awards

TORREJON AB, SPAIN — Staff Sergeant N. Paul Lajaunie of Detachment 12, 31st Weather Squadron, recently completed the Noncommissioned Officer Leadership School at Rhein Main AB, West Germany, earning three of the school's top four honors.

Major James M. Rawls, Det. 12 commander, said SSgt. Lajaunie took the Honor Graduate and Academic Achievement Awards, and the

Communicative Skills Award presented by the Air Force Sergeant's Association.

"I had a feeling I was doing well in the school," said the sergeant, "and I thought I had a shot at one of the distinguished graduate awards, but I was flabbergasted when my name was announced for three of the top awards."

The Panama City, Fla. native, is the NCO in charge of administration for the 12-person detachment.

**President Harry Truman signs the National Security Act on July 26, 1947, establishing a coequal Air Force as of Sept. 17, 1947.**



## 30km for March of Dimes

Mrs Priscilla Jennings, MSgt Patrick Jennings, SrA Thomas Holmes, TSgt Patrick Aldrich, A1C Julie Snover, MSgt Donald Knisley and Sgt Richard Masters recently represented 3WW in the March of Dimes Walk America campaign. They

completed a 30 kilometer (18.6 mile) course around Omaha, Neb., in about five hours. The team's efforts were rewarded by a combined contribution of pledges amounting to \$302.30. (Photo courtesy MSgt Patrick Jennings.)

## Special Olympics

### Det 3, 3WS Supports Competition

by SSgt Michael A. Lindsey  
Det 3, 3WS

Four people from Det 3, 3WS, Myrtle Beach AFB, N.C., recently participated in a heartwarming community service project.

Myrtle Beach AFB hosted the Special Olympic Games with more than 600 people from a three county area taking part. The base had more than 500 volunteers assisting with everything from judging events to cleanup after the competition.

Opening ceremonies began with a flyover by the 354th TFW A-10 Thunderbolt II aircraft. After the flyover, parachutists from Det 11, 39th

Aerospace Rescue and Recovery Wing jumped from an HH-3E Jolly Green Giant helicopter.

Immediately following the aerial activity was the lighting of the Olympic Flame. The torch that was used in the opening ceremonies of the 1980 Olympic Games at Lake Placid was used at these Special Olympics.

Volunteers from Det 3 included Major David J. Pace, Det 3 commander, 2nd Lt Cecilia M. Dodd, forecaster, MSgt Robert L. Albert, station chief and Sgt Susan H.L. Rhodes, observer. Dodd and Rhodes were Det 3's unit coordinators for the games.

## Chess arrives "Down Under"

United States Chess Federation rated chess has come to the remote Northwest Cape of Australia.

When four members of 4WW's Det 9 at the Learmonth Solar Observatory sought to play organized chess, the closest activity was located 850 miles south in Perth, Western Australia. A bit too far for an afternoons worth of chess.

Luckily, Capt Dean W. Brown, Chief of Solar Electro-Optical Operations at the Learmonth Solar Observatory, is, on his off time, an Accredited Tournament Director with the United States Chess Federation.

This position allows Captain Brown to direct USCF rated tournaments, from which individual's results are submitted to the USCF to be used in calculating national ratings for each of the tournaments participants.

The nearest U.S. military installation,

H.E. Hold Naval Communication Station, 27 miles to the north, agreed to site the now monthly tournaments. Under the direction of Captain Brown, these tournaments are bringing rated chess to the USAF, US Navy, Royal Australian Navy and local Australian community.



## Wartime environment for Palmerola weather

by SSgt Kim N. Smith

The JTF-A (Joint Task Force-Alpha) Weather Support Team is well known to only a few people at Palmerola Air Base near Comayagua, Honduras. However, the team's mission is vital to the overall mission of U.S. Army and Air Force troops in Honduras.

"Skillful use of weather services can be an effective combat multiplier," says Capt Jerry Johnson, officer in charge of the JTF-A Staff Weather Office. That office works in conjunction with a field station providing weather services for U.S. troops in Honduras. Forces taking advantage of weather conditions can use them to enhance their mission success,

said Captain Johnson.

The eight-member weather support team, like other military personnel in Honduras, are working under tactical conditions which are very similar to a wartime environment.

"We are operating under a tactical situation without actually having the luxuries of our home base offices," he says, "which allows us to prepare for a wartime environment without actually being in one."

The tactical conditions include receiving all of the weather information in a tent, which is appropriately called a field station. The equipment is not nearly as sophisticated as under non-tactical conditions. However, it is sophisticated

enough for the team to warn forces of impending danger due to severe weather.

Whether it is the Army wishing to haul supplies on the ground or the Air Force wanting to know the atmospheric conditions for flying, the local weather service is on duty 24 hours each day to provide the weather support needed.

When asked to describe specifically what that weather support entails, words like "hydrology," "climatology" and "cloud ceilings" rolled off Captain Johnson's tongue. He ultimately breaks it down to say that the weather team has several missions in Honduras.

Those missions include providing weather support to CIMJTF-A; operating a barebase weather station with full forecasting and observing services 24 hours a day; supporting GRANDERO I, gathering climatic data for Honduras; and maximizing training opportunities. (See page 5 of the May AWS Observer for more information on GRANDERO I.)

He said that about half of their mission is to actually train the team in Honduras. He points out that training is of the highest caliber.

From the equipment's readings and the team's observations and analysis, the weather support team then advises required individuals involved with both flight and base operations on weather that might affect any present or upcoming scheduled operations. How high the base of the clouds are off the ground (cloud ceilings). Air and ground visibility and direction and speed of the wind at various altitudes and air pressure.

Captain Johnson explained that most of the information received comes from a marine facsimile machine, which is monitored 24 hours a day at the field station. The facsimile machine



SSgt Bob DuFrane discusses wind conditions with incoming aircraft at the field weather station. (US Army photo by SP4 Joe Bungert.)



2nd Lt Tim Hanson analyzes surface charts and satellite photos at the field weather station at Palmerola AB. (US Army photo by SP4 Joe Bungert.)

## Vice Commander visits Palmerola

by SSgt Kim N. Smith

In mid-April, AWS Vice-commander Col. Norman F. Rauscher visited at Palmerola Air Base, Honduras.

Colonel Rauscher and Maj Lawrence Latimer, Staff Weather Officer to the Commander in Chief of US Southern Command and Commander of Det 25, 5WW, Howard AB, Panama were briefed on the Joint Task Force Alpha Weather Support Team's field weather station operations.

Weather Support Team OIC Capt Jerry Johnson and MSgt Mike Visnaw, Station Chief, pointed out the tactical conditions under which the airmen were working. They displayed field equipment being used and explained how the information they provided was proving vital to the exercise being conducted.

Colonel Rauscher and Major Latimer also toured the temporary quarters of AWS personnel and discussed pay, mail delivery and other problems encountered while stationed in Central America.



Discussing living conditions of weathermen at Palmerola are (l to r) Maj Lawrence Latimer, Capt Jerry Johnson, MSgt Mike Visnaw, SSgt Frank Hall and Col Norman F. Rauscher. (US Army photo by SP4 Joe Bungert.)

(EDITOR'S NOTE: SSgt Smith is a member of the 129th South Dakota Army National Guard Public Affairs Detachment. He was recently in Honduras for annual training.)

# AWS Salutes . . .

## Medals

### Legion of Merit:

Col Juri V. Nou (Ret), 1WS, MacDill AFB, Fla.;

### Meritorious Service Medal:

Col Dan K. Waylett, 5WW, Langley AFB, Va.; MSgt Darrell D. Lusebrink, 5WW, Langley AFB, Va.; MSgt Charles Hunter, Det 2, 17WS, Travis AFB, Calif.; SMSgt Jean Smith, HQ 7WW, Scott AFB, Ill.; Lt Col James L. Dicke (Res), EPA Research Triangle Park, N.C.;

### Bronze Star:

SSgt Steven Lord, Det 3, 5WS, Ft Bragg, N.C.;

### Air Medal:

Sgt Steven J. DeBree, Det 4, HQ AWS, Andersen AFB, Guam;

### Joint Service Commendation Medal:

1Lt Barry Coble, Det 3, 5WS, Ft Bragg, N.C.; Sgt Felice M. Cortese, Det 3, 5WS, Ft Bragg, N.C.;

### Air Force Commendation Medal:

Sgt Lovita Keesler, Det 3, 11WS, Shemya AFB, Alaska; TSgt Benton E. Holden II, Det 20, 24WS, Laughlin AFB, Texas; Capt John R. Conley, 5WW, Langley AFB, Va.; 2Lt David W. Goe (1 OLC), Det 8, 1WW, Kadana AB, Japan; MSgt Lyn Doherty, Det 16, 9WS, Dyess AFB, Texas; Sgt Stephen D. Harford, Det 9, 5WS, Ft Rucker, Ala.;

### Army Commendation Medal:

1Lt Barry Coble, Det 3, 5WS, Ft Bragg, N.C.; Sgt Gary F. Glover, Det 3, 5WS, Ft Bragg, N.C.; Maj Terry Warner, HQ 7WW, Scott AFB, Ill.; MSgt Byron Worthen, Det 6, 3WS, Homestead AFB, Fla.;

### Air Force Achievement Medal:

Sgt Edward A. Roskinski, Det 18, 25WS, Mt Home AFB, Idaho; A1C Mathew Lawson, Det 3, 11WS, Shemya AFB, Alaska; Capt Charles Terry, Det 8, 1WW, Kadana ABS, Japan; Capt Frank B. Bryson, Det 8, 1WW, Kadana ABS, Japan; Capt Stephen Harcourt, Det 8, 1WW, Kadana ABS, Japan; MSgt Phillip Zoboblish, Det 8, 1WW, Kadana ABS, Japan; 2Lt Michael R. Babcock, Det 4, HQ AWS, Andersen AFB, Guam; Lt Col Charles F. Wills, 5WW, Langley AFB, Va.; Maj Raymond Braguglia, 5WW, Langley AFB, Va.; TSgt Martin E. Mindnich, 5WW, Langley AFB, Va.; Capt John R. Roadcap, Det 10, 2WS, Eglin AFB, Fla.;

### Combat Readiness Medal:

SrA Joel Young, Det 3, 5WS, Ft Bragg, N.C.; Capt Mark E. Des Rosiers, Det 7, 1WW, Schofield Bks, Hawaii; SSgt Gary L. Gumm, Det 7, 1WW, Schofield Bks, Hawaii;

### Armed Forces Expeditionary Medal:

Maj Wilbur G. Hugli, Det 3, 5WS, Ft Bragg, N.C.; 2Lt Brett W. Scholten, Det 3, 5WS, Ft Bragg, N.C.; SSgt Stephen Lord, Det 3, 5WS, Ft Bragg, N.C.; SSgt James A. Methven, Det 3, 5WS, Ft Bragg, N.C.; Sgt Daniel W. Jones, Det 3, 5WS, Ft Bragg, N.C.; SrA Joel Young, Det 3, 5WS, Ft Bragg, N.C.; A1C Jerry C. Brewer, Det 3, 5WS, Ft Bragg, N.C.; A1C Mark Odenbach, Det 3, 5WS, Ft Bragg, N.C.; SSgt Steven R. Levesque, Det 3, 5WS, Ft Bragg, N.C.;

### Parachutist Badge:

Sgt Allen Gillespie, Det 3, 5WS, Ft Bragg, N.C.;

### Basic Parachutist Badge:

2Lt Patrick M. Hayes, Det 3, 5WS, Ft Bragg, N.C.; SSgt Clarence Seale, Det 3, 5WS, Ft Bragg, N.C.; A1C Salvatore Pecorella, Det 3, 5WS, Ft Bragg, N.C.;

### Armed Forces of Honduras Parachutist Wings:

MSgt James A. Hoy, Det 3, 5WS, Ft Bragg, N.C.; Sgt Felice M. Cortese, Det 3, 5WS, Ft Bragg, N.C.;

### Egyptian Parachutist Badge:

2Lt Brett W. Scholten, Det 3, 5WS, Ft Bragg, N.C.;

### Special Achievement Award:

SSgt Mark J. Campbell, Det 8, 17WS, McClellan AFB, Calif.;

### Small Arms Expert Marksmanship Ribbon:

SSgt Cynthia L. Rhoda, Det 31, 15WS, Dobbins AFB, Ga.;

## Promotions

### To Lieutenant Colonel

Robert E. Peterson, HQ AWS/DHT, Scott AFB, Ill.; Edward F. Sander, HQ AWS/SYP, Scott AFB, Ill.

### To Major:

Frank B. Bryson, Det 8, 1WW, Kadana ABS, Japan; Robert T. O'Donnell, Det 20, 24WS, Laughlin AFB, Texas; Ronald Heitz, Det 6, 4WW, Peterson AFB, Colo.; Michael Mader, Det 5, 9WS, Malmstrom AFB, Mont.; Cory R. Chadwick, Det 14, 7WS, Heidelberg AIN, Germany;

### To Captain:

Joseph R. Pineau, Det 11, 2WS, Patrick AFB, Fla.; Robert M. Tiefenbach, Det 5, HQ AWS, Keesler AFB, Miss.; Michael Goodman, Det 5, HQ AWS, Keesler AFB, Miss.; Ronald E. Havholm, Det 5, HQ AWS, Keesler AFB, Miss.; Regina Y. Kane, 5WW, Langley AFB, Va.; John C. Pace, AFIT, Naval Postgraduate School, Monterey, Calif.; John P. Correnti, Det 10, 2WS, Eglin AFB, Fla.; Ronald L. Kupfer, HQ 4WW, Peterson AFB, Colo.;

### To First Lieutenant:

Johnathan Talbot, HQ 5WW, Langley AFB, Va.; Ingrid Williams, Det 11, 9WS, Beale AFB, Calif.;

### To Senior Master Sergeant:

Tommy Pelley, Det 1, 9WS, Offutt AFB, Neb.; William E. Phillips, Det 5, 9WS, Malmstrom AFB, Mont.;

### To Master Sergeant:

Michael A. Burroughs, HQ AWS, Scott AFB, Ill.; Larry Borden, Det 20, 17WS, Little Rock AFB, Ark.;

### To Technical Sergeant:

Ross McIntosh, Det 10, 2WS, Eglin AFB, Fla.; Anthony P. Soucier, Det 1, 17WS, Tinker AFB, Okla.; Louis Garcia, Det 9, 7WW, Scott AFB, Ill.; Penny Heinen, HQ 7WW, Scott AFB, Ill.; Deanna White, Det 1, 9WS, Offutt AFB, Neb.;

### To Staff Sergeant:

Vernita Y. McCormick, Det 10, 15WS, McGuire AFB, N.J.; James A. Methven, Det 3, 5WS, Ft Bragg, N.C.; Michelle Timperio, 5WW, Langley AFB, Va.; Loretta Lombard, Det 2, 9WS, Castle AFB, Calif.; Robin Tompkins, Det 9, 5WS, Ft Rucker, Ala.;

### Appointed to Sergeant:

Patricia Butts, Det 7, 9WS, March AFB, Calif.; Lucy Bucklin, Det 7, 9WS, March AFB, Calif.; Eric Diaz, Det 9, 5WS, Ft Rucker, Ala.; David Resendez, Det 7, 1WW, Schofield Bks, Hawaii;

### To Senior Airman:

Carl Campbell, 11WS, Elmendorf AFB, Alaska; Susan L. Daneker, 5WW, Langley AFB, Va.; Trevor J. Darner, Det 5, HQ AWS, Keesler AFB, Miss.; Ronald A. Zahoryin, Det 5, HQ AWS, Keesler AFB, Miss.; Ralph D. Getzandanner, Det 10, 7WS, Giebelstadt AAF, Germany; Allen B. Smith, Jr., Det 7, 9WS, March AFB, Calif.; Alan Anderson, Det 19, 31WS, Incirlik ABS, Turkey; Harry W. Gerhardt, Det 3, 3WS, Myrtle Beach AFB, S.C.; Scott A. Straw, Det 14, 7WS, Heidelberg AIN, Germany;

### To Airman First Class:

John L. Phillips, Det 1, 17WS, Tinker AFB, Okla.; Alton E. Stiverson, Det 8, 1WW, Kadana AB, Japan;

### To Airman:

James D. Gunderson, Det 13, 25WS, Davis-Monthan AFB, Ariz.; Tammy R. Hayes, Det 4, 17WS, Altus AFB, Okla.; John J. Morrison, Det 3, 5WS, Ft Bragg, N.C.; William N. Rondeau, Det 17, 1WW, Yokota AB, Japan; Phillip S. Dean, Det 1, 17WS, Tinker AFB, Okla.; Imo M. Lax, Det 3, 9WS, Fairchild AFB, Wash.; Jodi Hudson, Det 16, 9WS, Dyess AFB, Texas; Niele H. Musekamp, Det 9, 5WS, Ft Rucker, Ala.; John M. York, Det 7, 1WW, Schofield Bks, Hawaii; Ronald B. Sharp, Det 3, 3WS, Myrtle Beach AFB, S.C.;

## Unit Honors

### Junior Officer of the Year:

Capt Robert Sprague, Det 2, 11WS, Eielson AFB, Alaska;

### Observer of the Year:

SSgt Morris Friedman, Det 8, 1WW, Kadana ABS, Japan;

### Senior NCO of the Year:

MSgt Thomas Scholl, Det 8, 1WW, Kadana ABS, Japan;

### Safety NCO of the Year:

SSgt Laura S. Angel, Det 3, 7WS, Heidelberg AAF, Germany;

### Junior Officer of the Quarter:

1Lt John A. Coover, Det 10, 15WS, McGuire AFB, N.J.; 1Lt Sheila Harmes, Det 15, 9WS, Dyess AFB, Texas;

### NCO of the Quarter:

SMSgt Charles A. Hart, Det 10, 25WS, Bergstrom AFB, Texas; TSgt Glenn Thompson, Det 4, 11WS, Ft Richardson AIN, Alaska; MSgt Phillip Zoboblish, Det 8, 1WW, Kadana ABS, Japan; MSgt James N. Horne, III, Det 10, 2WS, Eglin AFB, Fla.; SSgt Udell F. Mentola, Det 10, 2WS, Eglin AFB, Fla.; SSgt Brent A. Helmick, Det 12, 31WS, Torrejon AB, Spain; MSgt Warren C. George, Det 10, 15WS, McGuire AFB, N.J.; SSgt Brad Butler, Det 6, 4WW, Peterson AFB, Colo.; MSgt Thomas Klumb, Det 4, 4WW, Holloman AFB, N.M.; MSgt William E. Phillips, Det 5, 9WS, Malmstrom AFB, Mont.; SSgt Mark Sanders, Det 15, 9WS, Grand Forks AFB, N.D.; Sgt Stephen D. Harford, Det 9, 5WS, Ft Rucker, Ala.; Sgt Doug Hardy, Det 32, 3S, MacDill AFB, Fla.; MSgt Davis V. Dulzo, Det 3, 7WS, Heidelberg AAF, Germany;

### Airman of the Quarter:

A1C Richard Nieman, Det 8, 1WW, Kadana ABS, Japan; A1C Keith A. Bennett, 5WW, Langley AFB, Va.; A1C Stephen H. Turkovich, Det 10, 2WS, Eglin AFB, Fla.; SrA Kenneth W. Briggs, Det 10, 15WS, McGuire AFB, N.J.; SrA Ronald V. Smith, Det 21, 2WS, Edwards AFB, Calif.; SrA Allen B. Smith, Jr., Det 7, 9WS, March AFB, Calif.; A1C Norma Lopez, Det 1, 31WS, Bitburg ABS, Germany; SrA Anthony DiBenedetto, Det 9, 5WS, Ft Rucker, Ala.;

### Forecaster of the Quarter:

SSgt Marshall W. Baer, Det 10, 2WS, Eglin AFB, Fla.;

### Observer of the Quarter:

SSgt Jeremy L. Samuel, Det 10, 2WS, Eglin AFB, Fla.; Sgt Charles D. May, Det 10, 2WS, Eglin AFB, Fla.;

### Junior Officer of the Month:

1Lt John Coover, Det 10, 15WS, McGuire AFB, N.J.;

### Senior NCO of the Month:

MSgt Warren George, Det 10, 15WS, McGuire AFB, N.J.;

### Career NCO of the Month:

TSgt Andrew Gordon, 15WS, McGuire AFB, N.J.;

### Airman of the Month:

SrA Kenneth Briggs, Det 10, 15WS, McGuire AFB, N.J.;

### Data Monitor of the Month:

A1C Bruce Linde, HQ 1WW, Hickam AFB, Hawaii;



Andrews workshop attendees.

## Andrews Workshop

Thirty-two AWS members attended an Advanced Satellite Interpretation Workshop at Andrews AFB, Md., in late-May. The workshop was conducted by Mr. Roger Weldon and Ms Susan Steinmetz. Detachment 1, 15WS acted as host for the training program which was held at NOAA/NESDIS Applications Laboratory. Attending the workshop were: (l to r, front) TSgt Joseph Cline, 1st Lt Kathy Long, Capt Lawrence Chun, 2nd Lt Mary Germaine, Capt Christine Shoup, Capt Susan Berry, 2nd Lt Jonathan Talbot, Capt Greg

Donovan, (center) SSgt Anthony Northington, Lt Col James Dicke, TSgt Edgar Vachino, 2nd Lt William Gibbone, MSgt David Thompson, SSgt Gary Gleichman, 2nd Lt Randall Barry, 2nd Lt Andrew Woodcock, Mr John Gray, (back) A1C Brian Woodard, 1st Lt Michael Davenport, 2nd Lt Edmund Zinni, TSgt George Marshall, 2nd Lt Lester Hendren, Capt William Tallman, Maj Richard Peer, Maj Robert Bishop, TSgt Penny Heinen, SSGT Stephen Kirby, (not shown) Maj Brian Heckman and TSgt John Essick.

# AWS Salutes . . .

## Forecaster of the Month:

TSgt Edgar Riberdy, Det 1, 3WS, Shaw AFB, S.C.;

## Observer of the Month:

A1C William Barstow, Det 1, 3WS, Shaw AFB, S.C.;

## Met Tech of the Month:

Mrs. Charlotte Camp, OL A, Det 1, 3WS, McEntire ANGB, S.C.;

## Quality Step Increase:

Kathy Wright, Det 15, 25WS, Luke AFB, Ariz.; C. Murray Constance, 5WW, Langley AFB, Va.;

## Sustained Superior Performance Award:

Ms. Jill G. Lindner, Det 10, 2WS, Eglin AFB, Fla.; Ms. Sammie S. McGrath, Det 10, 2WS, Eglin AFB, Fla.; Mr. Nelson Mowry, Det 11, 9WS, Beale AFB, Calif.;

## Education

### Air War College:

Maj Richard D. Delay, Det 10, 2WS, Eglin AFB, Fla.; Maj Raymond A. Kandler, 9WS, March AFB, Calif.; Maj Jim Rawls, Det 12, 31WS, Torrejon ABS, Spain;

### Air Command and Staff College:

Capt Michael Abel, Det 1, 2WS, Wright-Patterson AFB, Ohio; Capt Robert Knobloch, 15WS, McGuire AFB, N.J.

### Squadron Officer School:

Lt Shoemaker, Det 1, 11WS, Elmendorf AFB, Alaska; Capt Scott Hoffman, Det 4, 11WS, Ft Richardson AIN, Alaska; Capt Daniel Dumont, Det 1, 2WS, Wright-Patterson AFB, Ohio; Capt Jill M. Schmidt, Det 5, HQ AWS, Keesler AFB, Miss.; 1Lt Robert Medred, Det 3, 5WS, Ft Bragg, N.C.; Capt Regina Y. Kane, 5WW, Langley AFB, Va.; Capt John R. Roadcap, Det 10, 2WS, Eglin AFB, Fla.; 1Lt William D. Hall, Det 9, 5WS, Ft Rucker, Ala.;

### NCO Academy:

TSgt John E. Snead, Det 23, 17WS, Kirtland AFB, N.M.; TSgt Gene E. Burton, Det 3, 5WS, Ft Bragg, N.C.; MSgt James T. Brinson, 5WW, Langley AFB, Va.; TSgt Steven R. Hahn (DG), Det 11, 17WS, McChord AFB, Wash.; TSgt Rickey D. Cyrus, Det 10, 17WS, Little Rock AFB, Ark.; TSgt William H. Taylor, Det 1, 1WW, Andersen AFB, Guam; TSgt David E. Rogers, Det 12, 31WS, Torrejon AB, Spain; TSgt Penny Heinen (DG), HQ 7WW, Scott AFB, Ill.; TSgt George Marshall, Det 5, 15WS, Dover AFB, Del.; TSgt Donald Lucius, Det 75, 7WW, Hurlburt Fld., Fla.; TSgt James Tynes, 6WS, Tinker AFB, Okla.; TSgt Steve Miller, Det 12, 31WS, Torrejon ABS, Spain;

### NCO Leadership School:

SSgt Barry J. Ortner (DG), Det 13, 25WS, Davis-Monthan AFB, Ariz.; SSgt N. Paul Lajuane (HG), Det 12, 31WS, Torrejon AB, Spain; SSgt Franklin E. Henry, Det 8, 1WW, Kadena AB, Japan; SSgt Mary Dull, Det 6, 17WS, Hill AFB, Utah; SSgt Deborah Smith, Det 5, 15WS, Dover AFB, Del.; SSgt Randy L. Gavin, Det 3, 9WS, Fairchild AFB, Wash.; SSgt John Ejadowsky, Mather AFB, Calif.; SSgt Patrick Ashton, Det 13, 15WS, Robins AFB, Ga.; SSgt David Hendricks, Det 15, 15WS, Wright-Patterson AFB, Ohio; SSgt Susan VanPelt, Det 14, 17WS, Norton AFB, Calif.;

### NCO Preparatory Course:

A1C Keith A. Bennett, 5WW, Langley AFB, Va.; SrA Keith D. Johnson, Det 8, 1WW, Kadena AB, Japan; A1C Thomas L. Parra, Jr. (DG), Det 1, 1WW, Andersen AFB, Guam; SrA Thomas J. McDaniels, Det 14, 7WS, Heidelberg AIN, Germany; SrA William H. Dennis, Jr., Det 14, 7WS, Heidelberg AIN, Germany;

### PME I and II Combined Classes:

SrA James A. Patterson, Det 19, 26WS, Richards-Gebaur AFB, Mo.;

### Tactical Weather Radar Course:

TSgt Melvin W. Bradley, Det 10, 25WS, Bergstrom AFB, Texas;

### JOPS Orientation Course:

Capt Merrilee Powell, 11WS, Elmendorf AFB, Alaska;

### Weather Radar Course:

SSgt Arthur J. Comeau, Det 31, 15WS, Dobbins AFB, Ga.;

### Weather Satellite & Photo Interpretation:

SSgt Garland K. Head, Det 31, 15WS, Dobbins AFB, Ga.; MSgt David Thompson, Det 3, 5WS, Ft Bragg, N.C.; TSgt Ron Whitt, Det 15, 9WS, Grand Forks AFB, N.D.;

### Weather Specialist Course:

SSgt Michael Wiend (HG), 15WS, McGuire AFB, N.J.;

### Supervisors Course:

Sgt Frank H. Kielnecker, Det 20, 24WS, Laughlin AFB, Texas;

### Station Chief School:

MSgt James A. Hoy, Det 3, 5WS, Ft Bragg, N.C.; MSgt Ray Johnson, Det 2, 9WS, Castle AFB, Calif.;

## Honoring the fallen

SSgt William R. "Dusty" Rhodes recently joined enlisted personnel from the Army, Navy, Marine Corps and Air Force in honoring the memories of the hundreds of men entombed in the USS Arizona below the waters of Pearl Harbor, Hawaii.

"These men gave their lives defending their country and all it stands for," said the administrative specialist. "I wanted to reenlist there to rededicate my commitment to serving my country. It was an honor to reenlist on the USS Arizona Memorial at Pearl Harbor," he said.

Capt Thomas W. Metzger, commander of Det 5, 4WW Palehua Solar Observatory, administered the oath of enlistment. He agreed with SSgt Rhodes that the USS Arizona Memorial was a most appropriate place to conduct the ceremony.



Capt Thomas W. Metzger administering the oath of enlistment to SSgt William R. Rhodes on the USS Arizona Memorial. (Photo courtesy of MSgt Jimmie W. Troutman.)

### Forecaster School:

SSgt Robert J. Born, Det 10, 2WS, Eglin AFB, Fla.;

### Observer School:

Amn Jeff J. Schmidt, Det 3, 5WS, Ft Bragg, N.C.; Amn John J. Morrison, Det 3, 5WS, Ft Bragg, N.C.; SSgt Michael Wieand (HG), Det 5, 15WS, Dover AFB, Del.

### Survival School:

A1C Kathy Richmond, Det 11, 9WS, Beale AFB, Calif.;

### OJT Manager's Course:

TSgt Raymond Barber, Det 15, 9WS, Grand Forks AFB, N.D.;

### Degree Recipients:

MSgt Donald G. Farrington, Associate Degree in Weather Technology, Det 7, 4WW, Peterson AFB, Colo.; MSgt Edmund D. Wallace, Weather Technology, Det 4, 17WS, Altus AFB, Okla.; 2Lt David W. Goe, Meteorology, Det 8, 1WW, Kadena AB, Japan; MSgt Donald Farrington, Weather Observation Technology, Det 7, 4WW, Pendeli, Greece; Capt Mark E. Des Rosiers, Master's Degree in Systems Management, Det 7, 1WW, Schofield Bks, Hawaii; SMSgt Bruce D. Silliman, BS in Personnel Management, Det 14, 7WS, Heidelberg AIN, Germany; TSgt Kevin P. Martin, Master's Degree in Counseling, Det 14, 7WS, Heidelberg AIN, Germany;

### Community College of the Air Force:

SSgt Cory W. Knowles, Det 3, 5WS, Ft Bragg, N.C.; SSgt Clarence Seale, Det 3, 5WS, Ft Bragg, N.C.; MSgt William Scheib, Det 2, 9WS, Castle AFB, Calif.; SSgt Robert Dickey, Det 7, 9WS, March AFB, Calif.; TSgt Wayne Chapman, Det 17, 9WS, Ellsworth AFB, S.D.;

## Arrivals And Departures

Sgt Robert W. Schaub departs Det 31, 15WS, Dobbins AFB, Ga., for Weather Forecast School at Chanute AFB, Ill.; Capt Alan Shaffer arrived at Det 1, 2WS, Wright-Patterson AFB, Ohio, from the Naval Post Graduate School, Monterey, Calif.; SSgt Lloyd Johnson, Det 10, 15WS, McGuire AFB, N.J., assigned to Forecasting School, Chanute AFB, Ill.; SSgt Bob Moreland assigned to Det 10, 15WS, from Det 8, 26WS, Griffiss AFB, N.Y.; SrA Jeff Cimini assigned to Det 10, 15WS, from Det 1, 1WW, Andersen AFB, Guam; Maj Kenneth Parsons assigned to 15WS, McGuire AFB, N.J. from Det 24, 26WS, K.I. Sawyer AFB, Mich.; SSgt David A. Sobotka from Det 23, 17WS, Kirtland AFB, N.M. to Traben Trarbach, Germany; SSgt John W. Walker from Student Squadron, Chanute AFB, Ill. to Det 23, 17WS, Kirtland AFB, N.M.; SSgt Derek F. Frank departing Det 5, HQ AWS, Keesler AFB, Miss. for Forecasters School, Chanute AFB, Ill.; SSgt Clyde R. Hunter assigned to Det 3, 5WS, Ft Bragg, N.C. from Det 2, 17WS, Travis AFB, Calif.; Amn John J. Morrison assigned to Det 3, 5WS, Ft Bragg, N.C. from 3350 TCHTG, Chanute AFB, Ill.; Amn Jeff J. Schmidt assigned to Det 3, 5WS, Ft Bragg, N.C. from 3350 TCHTG, Chanute AFB, Ill.; Capt David Smarsh assigned to OL E, 7WS, Goepingen, Germany from Det 3, 5WS, Ft Bragg, N.C.; MSgt Donny Weaver assigned to Det 3, 11WS, Shemya AFB, Alaska from Det 3, 5WS, Ft Bragg, N.C.; SSgt Stephen Lord assigned to Det 6, 1WW, Kadena AB, Japan from Det 3, 5WS, Ft Bragg, N.C.; SSgt Dennis Nappier

assigned to Det 17, 28WS, Upper Heyford RAF, U.K. from Det 3, 5S, Ft Bragg, N.C.; A1C Thomas Targaszewski assigned to OL A, Det 6, 2WW, Bad Toelz, Germany from Det 3, 5WS, Ft Bragg, N.C.; A1C Thomas Targaszewski 3398 Stu Sq, Keesler AFB, Miss. assigned to 5WW, Langley AFB, Va.; Lt Col Stephen Walden, AFGWC, Offutt AFB, Neb. assigned to 5WW, Langley AFB, Va.; Capt Joseph P. Hadyka, Det 20, 30WS, Camp Casey, Korea assigned to 5WW, Langley AFB, Va.; Maj Richard G. Peer Det 3, 2WW, Athens City, Greece assigned to 5WW, Langley AFB, Va.; A1C Ralph E. Delgado, 5WW, Langley AFB, Va. assigned to 7241 ABG, Izmir AB, Turkey; MSgt Gary E. Peel, Det 5, HQ AWS, Keesler AFB, Miss. assigned to HQ AWS, Scott AFB, Ill.; Mr. Norman and Mary Baker arrive at HQ 4WW, Peterson AFB, Colo.; Mr. John C. and Doris Hostetler arrive at HQ 4WW, Peterson AFB, Colo.; 1Lt Kenneth C. Beissner assigned to Det 7, 1WW, Schofield Bks, Hawaii; SSgt Larry W. Smith assigned to Det 7, 1WW, Schofield Bks, Hawaii; SSgt David C. Mack assigned to Det 7, 1WW, Schofield Bks, Hawaii; SSgt Dennis W. Murphy assigned to Det 7, 1WW, Schofield Bks, Hawaii; A1C Lee M. Kuhn assigned to Det 7, 1WW, Schofield Bks, Hawaii; AB John M. York assigned to Det 7, 1WW, Schofield Bks, Hawaii; Capt Mark E. Des Rosiers departs Det 7, 1WW, Schofield Bks, Hawaii; MSgt Michael P. Fischer departs Det 7, 1WW, Schofield Bks, Hawaii; SSgt Gary L. Gumm departs Det 7, 1WW, Schofield Bks, Hawaii; A1C Johnnie N. Powell departs Det 7, 1WW, Schofield Bks, Hawaii; A1C Ronald W. Jones assigned to Det 1, 1WW, Nimitz Hill, Guam from AFGWC, Offutt AFB, Neb.; Capt Michael T. Gilford assigned to Det 1, 1WW, Nimitz Hill, Guam from AFGWC, Offutt AFB, Neb.; MSgt Lorenza V. Dobson departed Det 3, 7WS, Heidelberg AAF, Germany PCS to Det 9, 12WS, Tyndall AFB, Fla.; MSgt Davis V. Dulzo departed Det 3, 7WS, Heidelberg AAF, Germany PCS to Det 15, 9WS, Grand Forks AFB, N.D.; MSgt Harry B. Houwen arrived at Det 3, 7WS, Heidelberg AAF, Germany from AFGWC, Offutt AFB, Neb.;

## Reenlistments

CMSgt Roger Seyfert, HQ 7WW, Scott AFB, Ill.; SrA Tara Carty, Det 5, 15WS, Dover AFB, Del.; SSgt Charles Harris, 6WS, Tinker AFB, Okla.; TSgt Alfred Rizzo, Det 6, 17WS, Hill AFB, Utah; SSgt Barry L. Crain, Det 6, 3WS, Homestead AFB, Fla.; Sgt Ruth I. Johnston, 5WW/DN, Langley AFB, Va.

## Scientific contributions

Mean Upper Tropospheric Flow Over the Global Tropics, AWS/TR-83/002 Volume I and II by James C. Sadler, University of Hawaii and Maj Thomas C. Wann, AWS/DNTM, Scott AFB, Ill. (January 1984).

AWS Forecaster Memo, Microburst Wind Shear, AWS/FM 84/002, by Maj Robert J. Korose, AWS/DNTM, Scott AFB, Ill. (January 1984).

"Lightning Protection for the Eagle," by Lt Col Joseph A. Zak, Chief, Aerospace Sciences Division TAC/WES (5WW); in TAC ATTACK, March 1984.

# Champion barely five feet tall

A new hobby turned into a serious sporting event for SSgt Brenda Sheldon.

When she got orders for Turkey in 1982, she decided she needed a hobby to help pass the time during her overseas tour. What she didn't know was that her hobby of powerlifting would turn into great personal achievement.

Sheldon was "discovered" by her coach, SSgt Ed Fritts, who says she is a natural in the sport. Her past performances have certainly given credibility to her coach's claim.

A forecaster with Det 24, 26WS, she has been at K.I. Sawyer AFB, Mich., since July 1983. Sheldon says her detachment stands behind her 100 percent and has supported her by granting permissive TDYs for weightlifting meets. Her husband, 2nd Lt Bruce Sheldon, an ex-AWS forecaster now assigned to the 2001st Communication Squadron, is responsible for helping her get started almost three years ago.

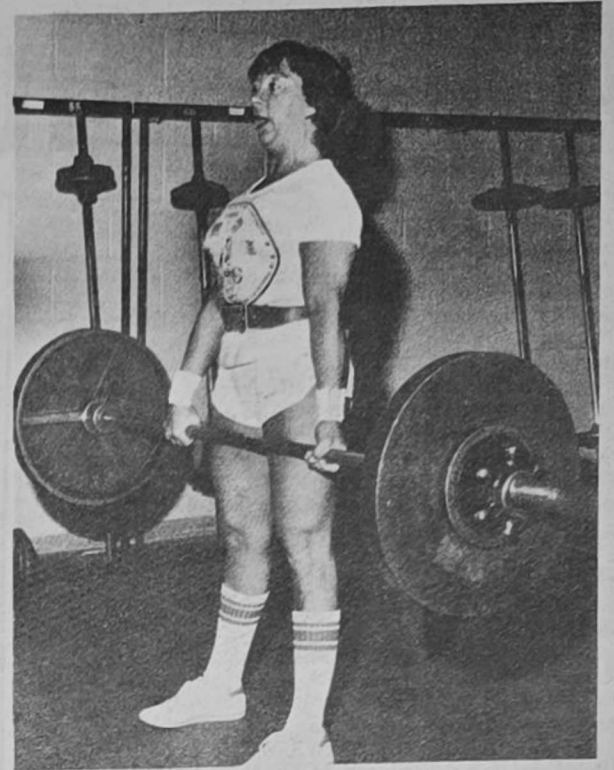
If there is such a thing as an "average" looking weightlifter, Sheldon certainly does not fit the description. She's barely five feet tall. But when she begins to put all her concentration into lifting, her petite size is just an afterthought to those looking on.

Sheldon owns several women's world military powerlifting records. Last January, she attended the Air Force Powerlifting Training Camp at Luke AFB, Ariz. Out of 35 lifters, Sheldon was one of two women chosen for the event. During the 28 day TDY, she won two first place trophies. She also took a third place trophy in the men's 114 pound division.

During the camp, Sheldon broke all of her personal records and earned her Class One title. She competes in the women's 97 pound and occasionally the 105 pound division. She also competes in the lowest men's weight class, 114 pounds. In the squat category, she lifts 220 pounds. Her bench is 115 and she deadlifts an amazing 230 pounds.

During her last meet, the San Diego Open at the Marine Corps Recruiting Depot in February, she broke her collar bone during the bench press category. Her great desire to win however, compelled her to finish the contest. She walked away with the first place trophy, before being rushed to the hospital.

She is now recuperating and her next goal is the Women's Nationals next year. She hopes to express her thanks to the Air Force and AWS by placing well and be an example to future Air Force athletes.



Sheldon warms up with a 170 pound Deadlift.



Sheldon warming up with a 190 pound Squat.

## 3 under wins 5WW golf title

Partly cloudy skies and moderate temperatures helped the team of Col John Lasley, Capt Bill Tallman, MSgt Stan Page (ret) and Mr Phil Jones take top honors in the Fourth 5th Weather Wing Golf Tournament with a three under par 69.

Ten teams participated in the "best ball" competition held May 25 at the Langley AFB, Va. Golf Course. Rules for the 18-hole tournament allowed three players to change their lie to that of the fourth golfer who hit the "best ball," and all four would continue play from there.

Second place went to the team of Col Dan Waylett, Lt Col Gary Heise, Lt Col Thomas Cusack (ret) and Mrs Connie Murray with a score of 70. Col Bill Cummings (ret), Mrs Jean Cusack, SMSgt Jay Scott (ret) and TSgt Marty Mindich took third place honors with a score of 71.

The 5WW Golf Trophy will reside in Colonel Lasley's office until this fall when it must be defended or surrendered to the new winner.

## Sports Shorts

### Unbeaten season

Sgt Douglas M. Rozich, NCOIC OL-H, Det 19, 30WS, Taegu, South Korea, led his Youth Activities basketball team through an unbeaten season.

The Youth Activities coed basketball team was made up of nine, 10 and 11 year-old family members from the Taegu area. The Taegu 76'ers finished the season with a 13-0 record. They outscored their opponents an average of 5-1, including victories over Pusan (40-2) and Osan (36-4).

Sgt Rozich also coached the Taegu nine, 10 and 11 year-old All-Star team which defeated both Pusan and Osan.

### Volksmarching in Virginia

Volksmarchers from 5WW walked away with the second place honors for the largest group at a two-day community sponsored event.

Thirty eight people from the wing joined more than 400 other people from throughout the East Coast who Volksmarched through Old Hampton, along Chesapeake Bay and through the downtown shopping mall before returning to the starting point.

But the people of 5WW weren't satisfied with second place and pledge to take top honors at another Volksmarch in the near future.

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