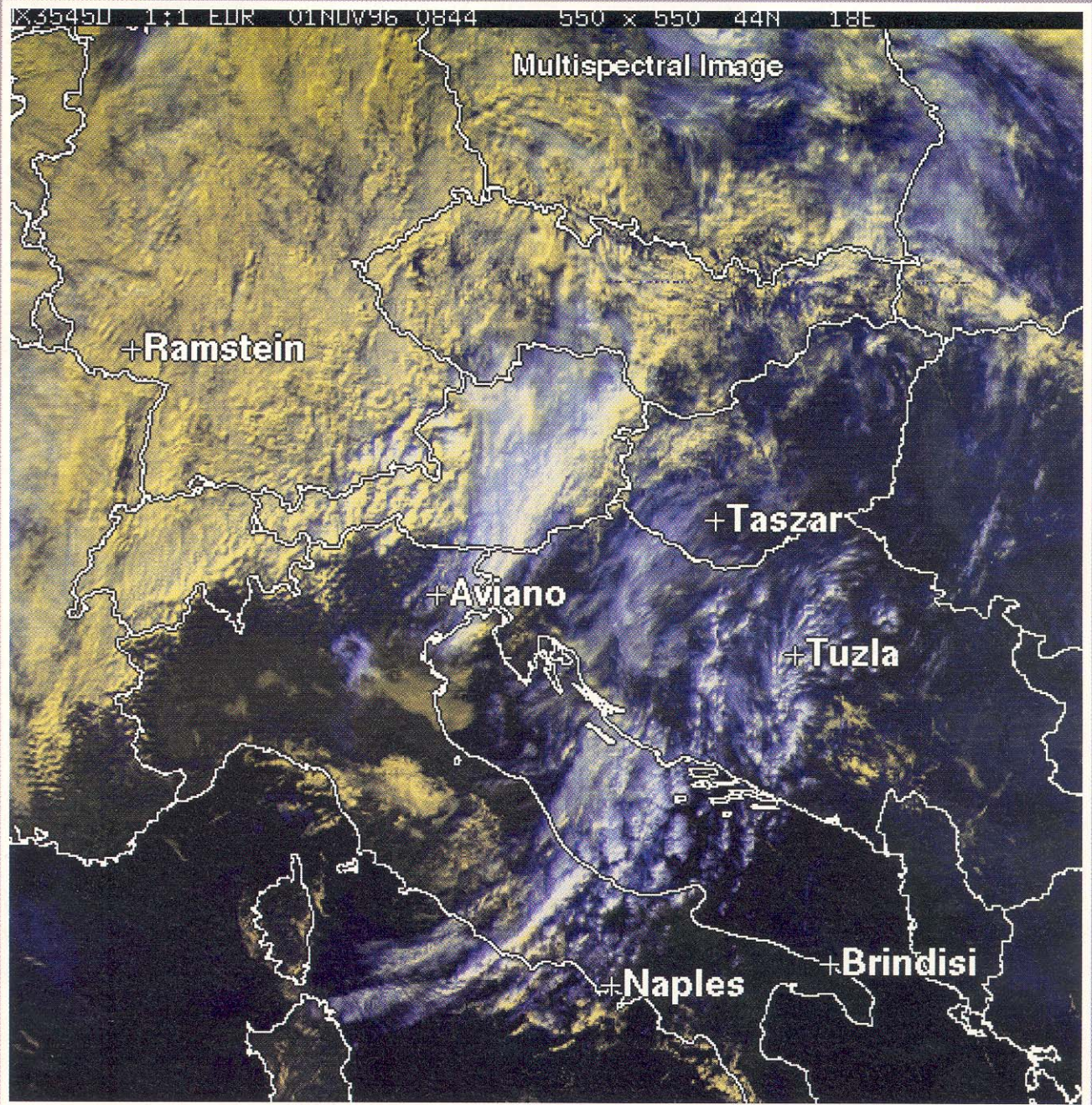


*Your Magazine for Air Force Weather*

# OBSERVER

February 1997

Vol. 44, No. 2



**How The Air Force Global Weather Center's  
Specialized Meteorological Satellite  
Products Will Help The Warfighter**

# What's Inside for February 1997

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## EDITOR'S NOTE

Some questions have arisen about the punctuation and wording used in the OBSERVER magazine.

For example, people have asked why full abbreviations of state names are used in the "Salutes" and not the postal-style abbreviations (i.e., "Colo." instead of "CO." Also,

why is "Airman 1st Class" used instead of "A1C" like it says in the "Tongue and Quill"?

Air Force Public Affairs has issued guidance that the Associated Press Stylebook and Libel Manual be used as the grammatical and punctuation authority for all Air Force newspapers and magazines.



## OBSERVER

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# What Does The Customer Want?

## Reengineering Efforts Part of Improvement Process



by Brig. Gen. Fred Lewis  
Air Force Director of Weather

As I have traveled over the last seven months as your Director of Weather, soliciting feedback on our support to you and the warfighters, I have frequently been asked, "What does the customer want?"

The answer is simple; the solution is a little harder. The warfighter wants accurate, fine-scale, timely, and relevant weather information or, as our AFW Vision states, the customer wants to be able to "OWN THE WEATHER" for battle or, as they say at the 607th Weather Squadron in Korea, the customer wants "WEATHER ON TARGET."

Both are very good phrases and, as you probably realize, I have discussed the "accurate, fine-scale, timely and relevant" warfighter needs in other articles in the *OBSERVER*, but in this article I would like to further put these into perspective.

Through our interviews with our customers as part of the reengineering process, we have found that our customers are often happy with our support and that we are usually giving them what they ask for.

However, we are finding that the customer notes a subtle difference between being "happy" and getting what they really need. We are finding that our customers may not fully understand how to ask for the information that they need to make the critical decisions. Often they are relying on their "weather experts" -- that's us -- to help them condense the maze of weather data into relevant decision-assistance information; and we are sometimes lacking the tools and organization to provide an optimum service here.

In some cases we don't fully understand the fine points of the customer's mission that could give us the insight to

add relevance to our products. The bottom-line is that they want, need, and require accurate, timely, fine-scale, relevant weather information and they're telling us that, unfortunately, we are not always hitting the mark.

I understand the nature of our profession -- weather support (and when I say this I am including space and terrestrial weather, and climatology) -- the perplexing dichotomy of striving for perfection and the frustration of never quite being able to achieve that perfection. That's a frustration that every weather person has probably felt since we began providing support to the Army almost 60 years ago.

**"While the 'perfect' forecast may be a tough goal to ever reach, our approach must be aimed at constantly improving our ability to observe and forecast the weather."**



**Brig. Gen. Fred Lewis**  
**Air Force Director of Weather**

So how do we reconcile the needs of the customer, our desire to do the best we can, and the reality of our often complex science and art form?

I see reengineering providing the focus and the solutions to do this -- give the weather person the: (1) quality tools (technology and communications) and (2) warfighter focused organizational structure so we can provide our customers the absolute best weather information to support DoD operations worldwide.

While the "perfect" forecast may be a tough goal to ever reach, our approach must be aimed at constantly improving our ability to observe and forecast the weather.

We must always be seeking better ways to apply new tools, equipment, techniques, training, or organizational structures to improve the quality of the product we provide our customers, the warfighters.

In fact, our effort to reengineer AFW must not be an end point in the road to improving our warfighter weather support, but part of a process of constant improvement.

When discussing accuracy and relevance with many of you since becoming your AF Director of Weather, almost every time, we each admit that we could be more accurate -- "if only we could have had..." In fact, the list of "if only's" is often fairly short -- more observations, finer resolution satellite data, better forecast products, better visualizations, better training, and better communications.

I contend that we have not entirely provided you the tools or the organization that you need to meet (and exceed) our customers' needs. I further contend that it is my job in conjunction with the MAJCOM/DOWs to provide the vision and direction so we can support you in this QUEST for better, more warfighter-focused weather support. That's right, it's a QUEST.

I used the word QUEST several weeks ago in a briefing on reengineering at Air Weather Service. A staff officer there asked me what I meant. The answer was easy -- the rapid pursuit of improving Air Force Weather to exceed our customers' expectations for on-target weather support.

We must zealously pursue the right kind of changes in AFW that will give our Total Force -- active duty and reserve components -- officers, NCOs,

**See CUSTOMERS,**  
*continued on Page 23*

# Superiority Essential In Air And Space

## Core Competencies Part Of New AF Strategic Vision

*(Editor's note: This is part of a series on the Air Force's core values and core competencies.)*

**W**ASHINGTON (AFNS) — The Air Force is committed to complete integration of air and space. That vision is reflected in the core competency of "air and space superiority" that the Air Force's senior leadership recently defined.

Core competencies represent capabilities the Air Force brings to the nation to support the national military strategy and are part of the Air Force's new strategic vision, "Global Engagement: A Vision for the 21st Century Air Force."

The other Air Force core competencies are global attack, rapid global mobility, precision engagement, information superiority and agile combat support.

Air and space superiority combines two core competencies from the Air Force's earlier strategic vision, "Global Reach, Global Power." The air and space link is now even stronger in Global Engagement.

"Air and space superiority prevents adversaries from interfering with operations of air, space or surface forces and assures freedom of action and movement," said Sheila E. Widnall, Secretary of the Air Force. "The control of air and space is a critical enabler for the joint force because it allows all U.S. forces freedom from attack and freedom to attack.

"With air and space superiority, the joint force can dominate enemy operations in all dimensions: land, sea, air and space." Gen. Ronald R. Fogleman, Air Force Chief of Staff, noted that while air and space superiority is lethal against enemy forces, it saves American lives.

That view was echoed as recently as last fall when the Air Force received

a letter from a man whose brother served as a Marine during DESERT STORM in 1991.

"I believed at that time and continue to believe that the greatest threat to (my brother's) safety was from air attack," said Brit Ferguson of Stephenville, Texas. "This danger never materialized," he continued, "and he came home safely because of the absolutely outstanding job that the U.S. Air Force did in rapidly gaining and then maintaining overwhelming air supremacy."

This core competency from the "Global Reach, Global Power" strategic vision, now modified to include space, fits comfortably into Global Engagement.

"Gaining air and space superiority is not just operationally important," Fogleman said, "it is also a strategic imperative for protecting American lives throughout a crisis or conflict. It is the precursor for dominant maneuver and the basis of full-dimensional protection."

Strategic attack and interdiction, Fogleman said, are "crucial to the outcome of any battle. They're not pos-

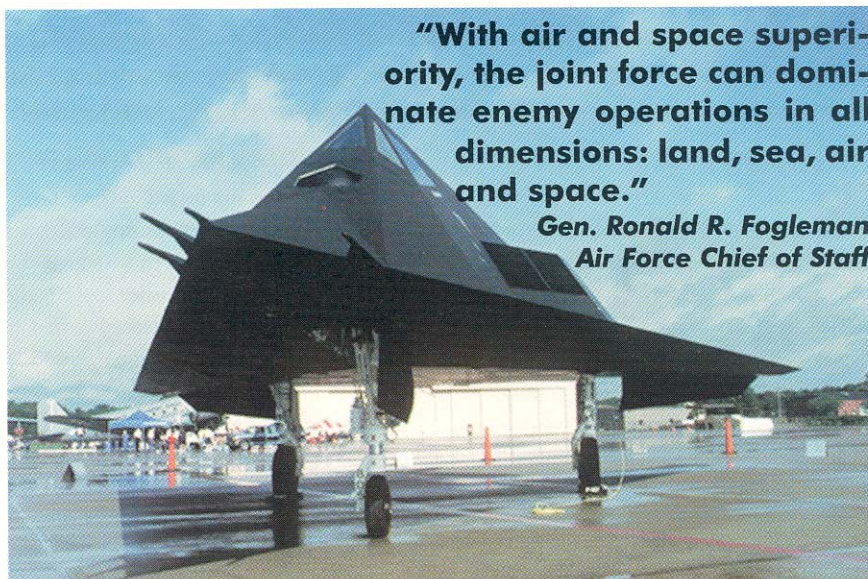
sible without air superiority. Effective surface maneuver is impossible without it. And so is efficient logistics.

"The bottom line is that everything on the battlefield is at risk without air and space superiority. Moreover, if air dominance is achieved and joint forces can operate with impunity throughout the adversary's battle space, the joint force commander will prevail quickly, efficiently and decisively."

The Air Force secretary added that defense against ballistic and cruise missiles is an increasingly important element of the air and space superiority core competency.

"The proliferation of cruise and ballistic missiles threatens Americans and America's interests and is one of the developments that accelerates warfare along the air-space continuum. The Air Force is moving aggressively to counter this threat."

Although the global and theater missile threats are now addressed separately, Fogleman said, over time they will merge into a common missile defense architecture, becoming a single counter air and space missile defense mission.



**"With air and space superiority, the joint force can dominate enemy operations in all dimensions: land, sea, air and space."**

**Gen. Ronald R. Fogleman  
Air Force Chief of Staff**

U.S. Air Force photo

**OBSERVER**

# Air Staff Reorganization Enhances Warfighting Capabilities



**W**ASHINGTON (AFNS) — The Air Force will reorganize the Air Staff to enable the service to more effectively employ its warfighting capabilities. The change draws heavily from the Air Force's "Global Engagement" strategic vision.

"Air Force airpower is actively engaged whenever national command authorities commit troops or resources," said Col. Al Nelson, chief of the Air Force Organization Division, Directorate of Programs and Evaluation, in the Pentagon. "This restructure will provide better support to the troops engaged around the world. In addition, the new organization will help take the Air Force into the 21st century and further enhance the role of airpower."

A specific focus of the Air Staff reorganization is the formation of a new direct-reporting unit with responsibility for force protection. The new direct-reporting unit will focus on quick and effective responses to protect airmen around the world.

One change restructures the Deputy Chief of Staff for Operations so the staff can focus on day-to-day operations and policy. Operations will control functions in intelligence, surveillance and reconnaissance; weather; command-and-

control and operations. It will also have a single focal point to address nuclear and other counter-proliferation policy matters.

Incorporating Intelligence into Operations, according to senior officials, gives the Air Force one single point of contact for Intelligence to work national issues. It will also lead to creation of an information-operations culture.

The intel-ops merger, the officials said, "shows the troops that the future of Air Force people involved in information — such as reconnaissance, surveillance, intelligence, etc. — is enhanced, not reduced."

February 1997

The Operations restructuring, Nelson said, provides the opportunity to define Air Force requirements better and participate in the joint policy and oversight activities. Operations will also maintain a strong, focused approach to joint issues. At the same time, it will make sure any requirements encompass the entire range of Air Force core competencies.

Another change will centralize programming and planning processes under a new DCS for Plans and Programs.

The Deputy Chief of Staff for Plans and Programs was created to bed down all long-range planning work. This institutionalizes the revitalized long-range planning process. It also ties the long-range plan into the programming plan to meet national objectives.

Plans and Programs will also provide force-planning tools for the entire programming process. It will formalize strategic outsourcing and privatization work.

**"This restructure will provide better support to the troops engaged around the world. The new organization will help take the Air Force into the 21st century and further enhance the role of airpower."**

**Col. Al Nelson**

**Chief, Air Force Organization Division  
Directorate of Programs and Evaluation**



Maj. Gen. John W. Handy, Air Force director of programs and evaluations, said the plans and programming revamp offers a good example of the benefits of the overall Air Staff reorganization.

"The joining of the plans and programs team under a single point of contact adds clarity to our warfighter vision and the tools to bring that vision to reality."

This is the first Air Staff reorganization since 1991. "The Air Staff reorganization promotes clear lines of responsibility, authority and accountability," Nelson said.

Nelson said the reorganization will also

streamline the Air Force Headquarters budget-building process. "Integrating all strategic planning and programming functions into the new Deputy Chief of Staff for Plans and Programs will enhance this process. We want to relate our force programs to our 21st century vision.

"While we restructure the Deputy Chief of Staff for Communications and Information," Nelson said, "we create the new Deputy Chief of Staff for Plans and Programs."

The following are other Air Staff changes:

**Installations and Logistics.** "An important part of the restructure is the creation of the Deputy Chief of Staff for Installations and Logistics," Nelson said. "This provides an integrated function to focus on installation issues at wing level." Installations and Logistics will include services, civil engineer, communications and information management, bases and units, maintenance, transportation, supply and logistics support.

**Air Force Communications and Information Center.** From the Deputy Chief of Staff for Communications and Information arose the Air Force Communications and Information Center. This direct-reporting unit will be responsible for systems management and design issues. The center's commander will also focus on corporate structure issues and perform the deputy chief information officer functions.

**Air Force Doctrine Center.** This center was restructured to create a direct-reporting unit. The current center will shift from Langley AFB, Va., to Maxwell AFB, Ala. Included is the consolidation of doctrine functions from this headquarters and Air University into the new direct-reporting unit. The center will promote doctrinal awareness across all Air Force ranks and in the joint arena. Nelson said this "represents a solid commitment by senior leaders to put all disparate pieces of doctrine together under one roof with one voice."

# Personnel Notes

## Opportunities, Commissions, Ratings

**A**ir Force Personnel Command recently announced the second half of the CY97 officer promotion board schedule. The following are excerpts from the AFPC's Internet Home Page regarding officer promotions.

Today's promotion environment is undoubtedly competitive. Promotion opportunity has been at the Defense Officer Personnel Management Act, or DOPMA (range of promotion opportunities established by law), legal minimum since 1991.

What does that mean? Overall, the Air Force has lost more than 2,500 promotions during the last five years: 1,828 to major, 463 to lieutenant colonel, and 246 to colonel. When these factors are taken into consideration, the obvious result is some highly qualified officers with excellent records aren't selected for promotion.

Of course, if you earn a "definitely promote," or DP, recommendation, that's a pretty strong signal that you performed superbly and will more than likely be promoted. If you earn a "promote," or P, recommendation, chances for promotion are still good, but the competition becomes extremely keen.

For example, four out of 10 majors meeting the 1996 lieutenant colonel board in the zone with a "promote" recommendation were selected. What distinguishes these records from the others with a "promote?" Performance and evaluation reports speak volumes about your

**by Maj. Cecilia M. Grindinger  
Air Weather Service  
Chief of Personnel**

job responsibility, job performance, mission impact, and promotion potential. You rely on your rating officials to convey that impact to the selection board.

However, when records are roughly equivalent, you need to ensure you've done all you can to demonstrate promotion potential to a selection board or your senior rater.

**"The key to being selected for promotion is how well your entire record conveys the impact of your major accomplishments and whether your entire record clearly reflects your potential."**



**Maj. Cecilia M. Grindinger  
Chief of Personnel  
Air Weather Service**

Completion of an advanced academic degree and professional military education may be important factors to complete the picture of your promotion potential. Both can be tiebreakers for records meeting the board.

Career progression and mobility are also important factors. Bigger and better jobs with different



organizations, levels, and span of responsibility can send a strong signal to board members. Even having different supervisors shows how well you adapt to different situations. Remember, board members score your record based on their view of your potential to serve in the next higher grade.

The key to being selected for promotion is how well your entire record conveys the impact of your major accomplishments and whether your entire record clearly reflects your potential.

Board members say they place the greatest weight on job performance as documented in performance reports throughout your career and as documented on your Promotion Recommendation Form.

This column is written specifically to meet your needs and concerns. If you have specific career questions, or issues which you need addressed, contact me and I'll either answer them in future columns or get back to you personally.

Contact me through email at "grindinc@hqaws.safb.af.mil" or DSN 576-4895, ext. 344.

<u>DATE</u>	<u>CY97 USAF SELECTION BOARD SCHEDULE</u>	<u>PRF ACCT. DATE</u>
13 Jan 97	Special Selection Boards	N/A
10 Mar 97	Regular Air Force Boards	N/A
19 May 97	Special Selection Boards	N/A
16 June 97	Major (line) Boards	17 Jan 97
21 July 97	Lt. Col. (line) Boards	21 Feb 97
2 Sept 97	Special Selection Boards	N/A
22 Sept 97	Captain (line) boards	25 Apr 97
6 Oct. 97	Command Screening Board	N/A
10 Nov 97	SSS/ISS	N/A
8 Dec 97	Colonel (line) Board	11 July 97

# Evolutionary, Not Revolutionary

## Changes In Air Force Weather Focus On Giving The Best Support To The Warfighter



I was flying home for Christmas, getting comfortable (as comfortable as you can get in an airline seat), when the passenger next to me commented on the rapid changes in air travel these days.

She was particularly discussing the “newest” convenience offered — right there in the seat in front of us — the telephone. “What will they think of next?” she said.

I chuckled a bit and wondered when she had flown last. As I reflected on her comments, I felt that I might have been a little too judgmental.

While putting on a few air-miles myself during the last two years, that change in air travel seemed pretty “evolutionary.” But to her, the addition of a phone seemed “revolutionary.”

The same can be said about the changes in our Air Force and Air Force Weather. I have been part of 27 years of our 60 years as an Air Force military weather service. In the November 1996 edition of the *OBSERVER*, Lt. Col. Bill Tazewell recalled his years in Air Weather Service, the Army Air Corps, and the Air Force. I’ve also received other E-Mails from retired enlisted weather troops with stories to tell.

Each of us can recite changes to our profession and many of those changes were probably viewed as just as revolutionary as the telephone on the airplane.

The moral of this story is simple. We’ve all heard and read about a path

by Chief Master Sgt. Jim Hoy  
Air Force Weather  
Superintendent of Weather

of change for Air Force Weather. Many of the ideas you’ll hear or have heard seem like those I agonized over along my 27 years — but our reengineering is far from revolutionary.

Rather, the approach is evolutionary — orderly, thought-out, and with an eye toward history, involving many Air Force Weather people.

**“Observing and forecasting are our business — and we must continue to master the evolutionary technology to assist us in doing the absolute best at our profession.”**



Chief Master Sgt. Jim Hoy  
Superintendent of Weather  
Air Force Directorate of Weather

We are developing plans that recover those principles that brought us to the forefront of our profession. Observing and forecasting are our business — and we must continue to master the evolutionary technology to assist us in doing the absolute best at our profession.

One of the weather staff here at the Pentagon showed me a 1991 edition of the *Air Weather Service Observer*. The cover addresses “Rumor Control.”

Here’s their list:

- The Air Force is doing away with weather people.
- The Air Force is doing away with Air Weather Service.
- There will be no more wings.

- There will be no more squadrons or detachments.

- The star-rank will be lost for the Air Force senior meteorologist.

- There will no longer be career progression for officers, NCOs and airman.

- The Navy will assume responsibility for meteorology from the Air Weather Service.

Do some of those look like the rumors that you’re hearing today? As they did in that *OBSERVER*, we will do through our media, address the rumors — we’ll give you “the facts...just the facts.”

Reengineering Air Force Weather encompasses many facets, but it does not imply change for the sake of change. One facet of reengineering is that it is an externally focused event — focused on giving the warfighter the best weather support — however, we have the opportunity to address several enlisted career field issues through reengineering.

For instance, we can address workload (work schedules and operations/personnel tempo), training (time to do some, focusing training from “cradle to grave” on operations), and career field health (reenlistments, career progression, assignment opportunities, accessions, and cross-flow).

I know I have left out a few issues here but looking back on my articles in the *OBSERVER* over the last two years, I think you’ll find we’ve touched on most of the issues that are in the realm of “fixing.” I welcome your comments and issues.

Is this reengineering revolutionary? I don’t think so. Evolutionary? Absolutely!

# AWS History Office Expands

## Relocation Means Even Better Service



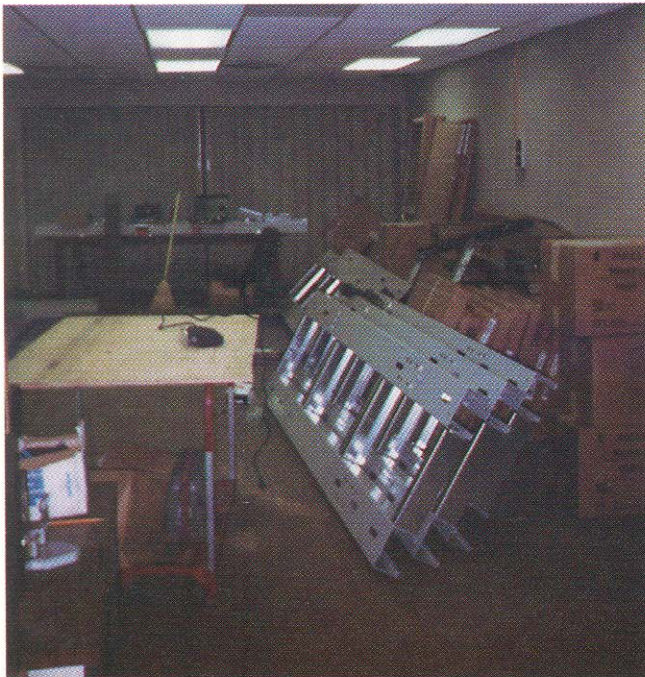
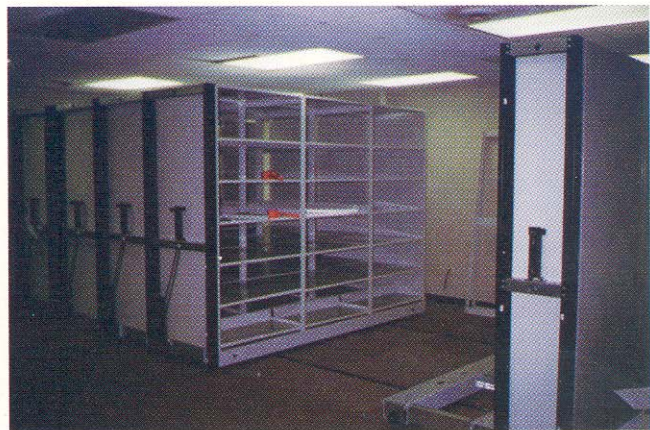
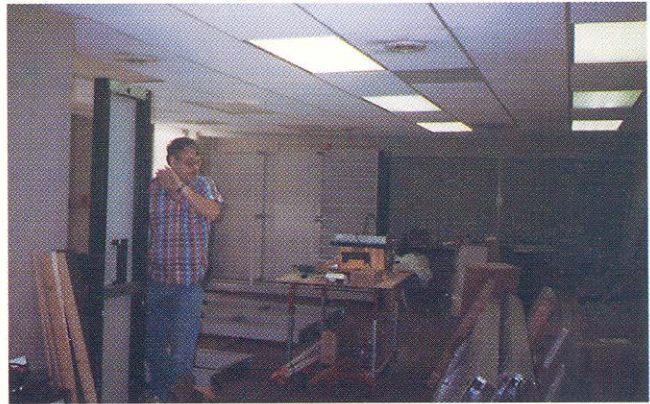
Did you know your Air Weather Service History Office was re-established at Scott AFB, Ill., in 1995?

**by Ms. Lil Wilbur  
Air Weather Service  
Chief of History**

Since then it has been relocated numerous times, finally settling in an area occupied in the past by the 7th Weather Wing. The office has been undergoing a metamorphosis over the past 18 months and the final stage culminated with a ribbon cutting ceremony and reception Dec. 3, 1996.

Do these pictures look familiar? How many of us have not had changes in their place of work over the last few years? Patti Warner and I have been working hard to bring the history office into a pro-active role at AWS. Through long hours and hard work we are well on our way. These pictures depict our move, the files installation, and the moving and unpacking of over 185 boxes filled with historical archives and files!

Today, the AWS History Office is more user-friendly with rolling files similar to those seen at the Air Weather Service Technical Library at the Air Force Combat Climatology Center. Visitors to our facility now have a place to sit and look



*Transformation from a classroom to a file room began with the delivery of the rolling file system (above). The big job was the installation of the rolling file system, similar to the one found in the AWS Technical Library (top right). With the new filing system almost completely installed (middle right), the task of unpacking 185 boxes worth of historical items came next (bottom right).*





*(Left) The boxes are almost empty and the files are on the shelves. (Below) Air Weather Service Commander Col. Joseph D. Dushman and AWS Chief of History Lil Wilbur officially open the expanded AWS History office.*



through past history files. Individuals needing a place to sit and study are welcome, as are people working on official research projects.

Now that we're in our permanent location, please remember we accept any donated artifacts or archival materials, such as photos, slides, and/or weather equipment. We are pleased to expand our archives now that we have the room! Keep our office in mind when spring cleaning comes around.

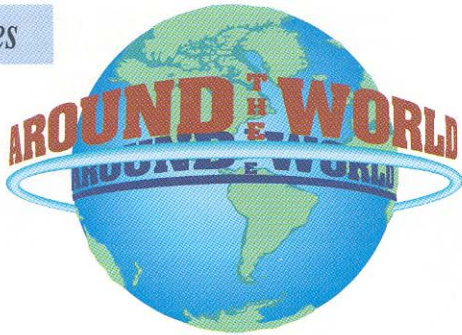
General Dwight D. Eisenhower once said, "Neither a wise nor a brave man lies down on the tracks of history to wait for the train of the future to run over him..." We, in the History Office, agree with him!

Did You Know is brought to you by your friendly Air Weather Service History Office. For more information, contact Lil Wilbur by E-mail at "wilbur@hqaws.safb.af.mil" or call (618) 256-5654, ext. 258; or DSN 576-5654, ext. 258.



*The all-new AWS History Office is open for business.*

All photos courtesy of the AWS History Office



### AIR FORCE MERITORIOUS SERVICE MEDAL

Capt. Thomas L. Schiano, 412th OSS/OSW, Edwards AFB, Calif.  
Maj. Kim Waldron, 18th OSS/OSW, Kadena AFB, Japan  
Master Sgt. Robert S. Rowling, 110th WF, Baltimore, Md. (ANG)  
Capt. Frederick Williams, HQ USCENAF, Shaw AFB, S.C.



### AIR FORCE COMMENDATION MEDAL

Tech. Sgt. Carl E. Frazier, 412th OSS/OSW, Edwards AFB, Calif.  
Tech. Sgt. Lloyd D. Golden, 412th OSS/OSW, Edwards AFB, Calif.  
Staff Sgt. Gary L. Davis, 412th OSS/OSW, Edwards AFB, Calif.  
1st Lt. Mark R. Wimmer, 341st OSS/OSW, Malmstrom AFB, Mont.  
Staff Sgt. J.T. Boss, 341st OSS/OSW, Malmstrom AFB, Mont.  
Staff Sgt. Richard W. Willard, OL-A, 18th WS, Fort Belvoir, Va.  
Staff Sgt. James A. Shepherd, Jr., 199th WF, Wheeler AAF, Hawaii (ANG)  
1st Lt. Thomas J. Golson, 45th AS/OSFWX, Keesler AFB, Miss.  
Capt. David M. Paal, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Frank Thompson, 57th OSS/OSW, Nellis AFB, Nev.  
Senior Airman Matthew Dearing, 57th OSS/OSW, Nellis AFB, Nev.  
Tech. Sgt. Robert H. Powell, 25th ASOS/DOW, Wheeler AAF, Hawaii

### ARMY COMMENDATION MEDAL

1st Lt. Timothy Dreifke, 18th OSS/OSW, Kadena AFB, Japan  
VF, Charlotte, N.C. (ANG)



### JOINT SERVICES ACHIEVEMENT MEDAL

Senior Airman Jennifer L. Nazworth, 355th OSS/OSW, Davis-Monthan AFB, Ariz.  
Senior Airman Susan Secora, 57th OSS/OSW, Nellis AFB, Nev.  
Capt. Scott Saul, 57th OSS/OSW, Nellis AFB, Nev.

### AIR FORCE ACHIEVEMENT MEDAL WITH VALOR

Senior Airman David M. Fischler, 325th OSS/OSW, Tyndall AFB, Fla. ( for actions while with 4404th OG, King Abdul Aziz AB, Dharam, Saudi Arabia)



### AIR FORCE ACHIEVEMENT MEDAL

Staff Sgt. Phil T. Jones, 4th OSS/OSW, Seymour Johnson AFB, N.C.  
Airman 1st Class William T. Haley, 341st OSS/OSW, Malmstrom AFB, Mont.  
Staff Sgt. Kevin Bourne, 353rd OSS/WX, Kadena AB, Japan  
Staff Sgt. Doug Ehle, 18th OSS/OSW, Kadena AFB, Japan  
Senior Airman Kenneth Lester, 45th AS/OSFWX, Keesler AFB, Miss.  
Tech. Sgt. Sydney Mallard, 57th OSS/OSW, Nellis AFB, Nev.  
Staff Sgt. Jose Cortez, 57th OSS/OSW, Nellis AFB, Nev.  
Senior Airman Matthew Dearing, 57th OSS/OSW, Nellis AFB, Nev.  
Airman 1st Class Jennifer Nichols, 57th OSS/OSW, Nellis AFB, Nev.

### NATO MEDAL

Staff Sgt. John Weber, OL-B, 18th WS, Fort Eustis, Va.

### AIR RESERVE FORCES MERITORIOUS SERVICE MEDAL

Staff Sgt. Robert K. Henry, Jr., 104th WF, Baltimore, Md. (ANG)  
Tech. Sgt. Valentina E. McNamara (ANG)

### ARMED FORCES SERVICE MEDAL

Master Sgt. Peter Copesky, HQ AWS, Scott AFB, Ill



### AIR FORCE LONGEVITY SERVICE RIBBON

Master Sgt. Charles S. Lake, 104th WF, Baltimore, Md. (ANG)



### AIR FORCE OUTSTANDING UNIT AWARD

325th OSS/OSW, Tyndall AFB, Fla.  
146th Weather Flight, Pittsburgh, Pa. (ANG)



### COMBAT READINESS MEDAL

Staff Sgt. Harry Alonso, 19th ASOS/CDW, Fort Campbell, Ky.  
Senior Airman Michael Delmarcelle, 19th ASOS/CDW, Fort Campbell, Ky.  
Master Sgt. Don Garske, 19th ASOS/CDW, Fort Campbell, Ky. (1st OLC)  
Staff Sgt. Cassandra Richards-Groff, 19th ASOS/CDW, Fort Campbell, Ky.  
Staff Sgt. Steven Scudder, 19th ASOS/CDW, Fort Campbell, Ky.  
Airman 1st Class Tijuana Smith, 19th ASOS/CDW, Fort Campbell, Ky.  
Senior Airman Jon D. Born, 19th ASOS/CDW, Fort Campbell, Ky.  
Staff Sgt. Benjamin Delozier, 19th ASOS/CDW, Fort Campbell, Ky. (1st OLC)  
Staff Sgt. Larry Groff, 19th ASOS/CDW, Fort Campbell, Ky.



### AIR FORCE GOOD CONDUCT MEDAL

Staff Sgt. Bruce R. Bellairs, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Christopher A. Compte, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Nathan S. Dixon, HQ AFGWC, Offutt AFB, Neb.  
Senior Airman James A. Gorzkiewicz, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Timothy O. Hauge, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Mickey E. Hayes, HQ AFGWC, Offutt AFB, Neb.  
Senior Airman Ty Hunt, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Kelly L. Lafleur, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Dwayne J. Murphy, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. John B. Nestor, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. David M. Padgett, HQ AFGWC, Offutt AFB, Neb.  
Tech. Sgt. Michael R. Persian, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Joseph G. Pestana, HQ AFGWC, Offutt AFB, Neb.  
Master Sgt. Alan W. Robb, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Linda L. Strange, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. Kyle J. Teeselink, HQ AFGWC, Offutt AFB, Neb.  
Staff Sgt. John R. Zimmerman, HQ AFGWC, Offutt AFB, Neb.  
Senior Airman Kim M. Bergman, 28th OSS/OSW, Ellsworth AFB, S.D.



### SMALL ARMS EXPERT MARKSMANSHIP RIBBON

Capt. Kevin L. Stone, 25th ASOS/DOW, Wheeler AAF, Hawaii (M-16)  
2nd Lt. Timothy A. Kuntz, 25th ASOS/DOW, Wheeler AAF, Hawaii (M-16)  
Staff Sgt. Ronald L. Richards, 25th ASOS/DOW, Wheeler AAF, Hawaii (9mm)  
Airman 1st Class Stacey R. Branch, 25th ASOS/DOW, Wheeler AAF, Hawaii (M-16)

### INDIANA COMMENDATION MEDAL

Maj. Mark E. Finley, 113th WF, Terre Haute, Ind. (ANG)  
Capt. James C. Miller, 207th WF, Indianapolis, Ind. (ANG)  
1st Lt. Christopher T. Peck, 207th WF, Indianapolis, Ind. (ANG)  
Staff Sgt. Jeffrey A. Salesman, 113th WF, Terre Haute, Ind. (ANG)

### PROMOTIONS



Tina M. Smith, 209th WF, Austin, Texas (ANG)



Carl Despiegelaere, 200th WF, Richmond, Va. (ANG)  
Sean M. Nolan, 110th WF, St. Louis, Mo. (ANG)  
Michael S. Petrocco, 354th OSS/OSW, Eielson AFB, Alaska  
Julie I. Novy, HQ AFGWC, Offutt AFB, Neb.



Kimberly McCartney, 202th WF, Otis ANGB, Mass (ANG Academy of Military Science graduate) (ANG)



Richard Donaldson, 164th WF, Rickenbacker ANGB, Ohio (ANG)  
Mark J. Campbell, 354th OSS/OSW, Eielson AFB, Alaska  
Gerald N. Chambers, 123rd WF, Portland, Ore. (ANG)



Dale Russett, 45th AS/OSFWX, Keesler AFB, Miss.  
Garland K. Page, HQ AFGWC, Offutt AFB, Neb.



Lizabeth L. Clemons, 105th WF, Nashville, Tenn. (ANG)  
Harry Alonso, 19th ASOS/CDW, Fort Campbell, Ky.



Jennifer L. Nazworth, 355th OSS/OSW, Davis-Monthan AFB, Ariz.



Christian G. Printup, 355th OSS/OSW, Davis-Monthan AFB, Ariz.

Todd V. Preimesberger, OL-A, 18th WS, Fort Belvoir, Va.  
 Angela M. Preimesberger, OL-A, 18th WS, Fort Belvoir, Va.  
 Bobby L. Watts, 159th WF, Camp Blanding, Fla. (ANG)  
 William Haley, 3rd OSS/WE, Elmendorf AFB, Alaska  
 Jeffrey M. Cerza, OL-C, 607th WS, Camp Stanton, Korea  
 Fara E. Barnes, 208th WF, Minneapolis, Minn. (ANG)  
 Kenneth J. Condon, Jr., 210th WF, Ontario, Calif. (ANG)  
 Michael P. Deselle, 122nd WF, New Orleans, La. (ANG)  
 Bertrand B. Sausse, 122nd WF, New Orleans, La. (ANG)



Wendy K. Merz, 412th OSS/OSW, Edwards AFB, Calif.  
 Olivia Brillantes, 412th OSS/OSW, Edwards AFB, Calif.  
 Robert A. Rock, 412th OSS/OSW, Edwards AFB, Calif.  
 Patrick Holler, 47th OSS/OSW, Laughlin AFB, Texas  
 Tawnia Miller, OL-A, 18th WS, Fort Belvoir, Va.  
 Nathan P. Anderson, OL-C, 18th WS, Fort Knox, Ky.  
 Westley B. Cornett, Dragon Flight, 18th WS, Fort Bragg, N.C.  
 John P. Nitschke, HQ AFGWC, Offutt AFB, Neb.  
 David R. Robillard, HQ AFGWC, Offutt AFB, Neb.  
 Scott B. Kormanyos, OL-C, 18th WS, Fort Knox, Ky.  
 Stephanie M. Robson, 146th WF, Pittsburgh, Pa. (ANG)  
 Paul A. Wilkerson, 154th WF, Little Rock, Ark. (ANG)  
 Angel Abdullah, 57th OSS/OSW, Nellis AFB, Nev.  
 Drexel Holt, 57th OSS/OSW, Nellis AFB, Nev.

### HAILS AND FAREWELLS

1st Lt. Shannon M. Wernld — to 8th OSS/OSW, Kunsan AB, Korea, from 412th OSS/OSW, Edwards AFB, Calif.  
 Master Sgt. John Hampshire — to 355th OSS/OSW, Davis-Monthan AFB, Ariz., from Fort Hood, Texas  
 1st Lt. Mark R. Wimmer — to Fort Bragg, N.C., from 341st OSS/OSW, Malmstrom AFB, Mont.  
 Airman 1st Class William T. Haley — to Elmendorf AFB, Alaska, from 341st OSS/OSW, Malmstrom AFB, Mont.  
 Airman 1st Class Joseph E. Ellis — to Davis-Monthan AFB, Ariz., to 341st OSS/OSW, Malmstrom AFB, Mont.  
 Airman 1st Class Scott A. Losenicky — to McConnell AFB, Kans., from 341st OSS/OSW, Malmstrom AFB, Mont.  
 Airman 1st Class Daniel S. Wolentarski — to Aviano AB, Italy, from 341st OSS/OSW, Malmstrom AFB, Mont.  
 Airman Simone Smith — to 15th ASOS, Fort Stewart, Ga., from Keesler AFB, Miss.  
 Airman 1st Class Seronia Dinkins — to 15th ASOS, Hunter AAF, Ga., from Kunsan AB, Korea  
 Airman Michael Michael Cialini — to 15th ASOS, Hunter AAF, Ga., from Keesler AFB, Miss.  
 Master Sgt. Marvin Coombs — to Hanau, Germany, from 15th ASOS, Hunter AAF, Ga.  
 Maj. Kim Waldron — to 18th OSS/OSW, Kadena AFB, Japan, from Offutt AFB, Neb.  
 1st Lt. Timothy Dreifke — to 18th OSS/OSW, Kadena AFB, Japan, from Fort Carson, Colo.  
 Senior Airman Tim Receuver — to OL-B, 18th WS, Fort Eustis, Va., from Keesler AFB, Miss.  
 Staff Sgt. Dale Payne — to Korea, from OL-B, 18th WS, Fort Eustis, Va.  
 Staff Sgt. April S. Rousch — to 27th OSS/OSW, Cannon AFB, N.M., from Tinker AFB, Okla.  
 Airman Jason M. Laughlin — 27th OSS/OSW, Cannon AFB, N.M., from Keesler AFB, Miss.  
 1st Lt. Thomas J. Golson — to 45th AS/OSFWX, Keesler AFB, Miss., from Langley AFB, Va.  
 Master Sgt. Steve Yelenic — to Fort Hood, Texas, from 45th AS/OSFWX, Keesler AFB, Miss.  
 Senior Airman Kenneth Lester — to 45th AS/OSFWX, Keesler AFB, Miss., from Osan AB, Korea  
 Senior Airman Paul Story — to Camp Red Cloud, Korea, from 45th AS/OSFWX, Keesler AFB, Miss.  
 Airman 1st Class Brian Hankey — to Coleman Barracks, Germany, from 45th AS/OSFWX, Keesler AFB, Miss.  
 Airman Gisela Collazohuertas — to 45th AS/OSFWX, Keesler AFB, Miss., from 334th TRS/TTMV, Keesler AFB, Miss.  
 Senior Airman Rick Wells — to 45th AS/OSFWX, Keesler AFB, Miss., from 334th TRS/TTMV, Keesler AFB, Miss.  
 Capt. David M. Paal — to 354th OSS/OSW, Eielson AFB, Alaska, from HWIQ AFGWC, Offutt AFB, Neb.  
 Staff Sgt. James E. Barton — to 354th OSS/OSW, Eielson AFB, Alaska, from Fort Hood, Texas  
 Airman 1st Class James A. Raggett — to 354th OSS/OSW, Eielson AFB, Alaska, from Robins AFB, Ga.  
 Airman Daniel L. Tennant — to HQ AFGWC, Offutt AFB, Neb., from Keesler AFB, Miss.  
 Airman Joshua D. Duplin — to HQ AFGWC, Offutt AFB, Neb., from Keesler AFB, Miss.  
 Senior Airman Chastity J. King — to HQ AFGWC, Offutt AFB, Neb., from Kadena AB, Japan  
 Tech. Sgt. Antonio R. Chisholm — to HQ AFGWC, Offutt AFB, Neb., from Ramstein AB, Germany  
 Tech. Sgt. Gregory S. Streetman — to HQ AFGWC, Offutt AFB, Neb., from Ramstein AB, Germany  
 Staff Sgt. Steven M. Roberts — to HQ AFGWC, Offutt AFB, Neb., from 55th OSS/OSW, Offutt AFB, Neb.  
 Staff Sgt. Michael D. Hazelwood — to HQ AFGWC, Offutt AFB, Neb., from Charleston AFB, S.C.  
 Staff Sgt. Dean Pierce — to HQ AFGWC, Offutt AFB, Neb., from Keesler AFB, Miss.  
 Senior Airman Tracy Bell — to Kirtland AFB, N.M., from HQ AFGWC, Offutt AFB, Neb.  
 Airman Scott Kormanyos — to OL-C, 18th WS, Fort Knox, Ky., from Keesler AFB, Miss.  
 Capt. Richard A. Carpenter — to Yongsan AIN, Korea, from 355th OSS/OSW, Davis-Monthan AFB, Ariz.  
 Staff Sgt. Scott M. Arent — to Camp Stanley, Korea, from 355th OSS/OSW, Davis-Monthan AFB, Ariz.  
 Capt. Martin C. Nehring — to 195th WF, Channel Island ANGB, Calif., from active duty  
 1st Lt. Joe Benson — to Det. 2, 10th CWS (SOWT), Fort Campbell, Ky., from 19th ASOS/CDW, Fort Campbell, Ky.  
 Senior Airman Matthew Dearing — to 57th OSS/OSW, Nellis AFB, Nev., from Keesler AFB, Miss.  
 Airman 1st Class Stephen J. Horseman — to 25th ASOS/DOW, Wheeler AAF, Hawaii, from Shaw AFB, S.C.  
 Staff Sgt. Richard J. Ritter — to Hickam AFB, Hawaii, from 25th ASOS/DOW, Wheeler AAF, Hawaii  
 Airman 1st Class Michelle Brandis — to Yongsan AIN, Korea, FROM 28th OSS/OSW, Ellsworth AFB, S.D.  
 Senior Airman Bruce A. Boling — to 28th OSS/OSW, Ellsworth AFB, S.D., from Hurlbert Field, Fla.  
 Airman 1st Class Michael G. McCreanor — to 28th OSS/OSW, Ellsworth AFB, S.D., from Keesler AFB, Miss.  
 Senior Airman Paul R. Rogers — to Det. 1, 607th WS, Camp Red Cloud, Korea, from HQ AMC TACC/XOW, Scott AFB, Ill.

### REENLISTMENTS

Staff Sgt. Warren W. Weyer, 47th OSS/OSW, Laughlin AFB, Texas  
 Staff Sgt. Susan L. Bowers, 15th ASOS, Hunter AAF, Ga.  
 Senior Master Sgt. Ronald C. Mueller, OL-C, 18th WS, Fort Knox, Ky.  
 Staff Sgt. David K. Wilson, OL-A, 18th WS, Fort Belvoir, Va.  
 Senior Airman Susan Secora, 57th OSS/OSW, Nellis AFB, Nev.  
 Staff Sgt. Richard Ritter, 25th ASOS/DOW, Wheeler AAF, Hawaii  
 Tech. Sgt. Harold D. Eifert, HQ AMC TACC/XOW, Scott AFB, Ill.

### RETIREMENTS

Tech. Sgt. Wade Henderson, HQ AWS, Scott AFB, Ill.  
 1st Lt. Col. Carl E. Jablonowski, 203rd WF, Fort Indiantown Gap, Pa. (ANG)

Staff Sgt. James A. Shepherd, Jr., 199th WF, Wheeler AAF, Hawaii (ANG)  
 Master Sgt. Peter L. Glnsky, HQ AFGWC, Offutt AFB, Neb.  
 1st Lt. Col. Timothy R. Campbell, 105th WF, Nashville, Tenn. (ANG)  
 Tech. Sgt. Robert H. Powell, 25th ASOS/DOW, Wheeler AAF, Hawaii

### SEPARATIONS

Airman 1st Class Kelly E. Lowe, 412th OSS/OSW, Edwards AFB, Calif.  
 Airman 1st Class Joan E. Deeley, 412th OSS/OSW, Edwards AFB, Calif.  
 Senior Airman Jason B. Anderson, 15th ASOS, Hunter AAF, Ga.  
 Senior Airman Pamela Peyton, 15th ASOS, Hunter AAF, Ga.  
 Senior Airman Leona Jones, 18th OSS/OSW, Kadena AFB, Japan  
 Staff Sgt. Rich Haller, 3rd OSS/WE, Elmendorf AFB, Alaska

### EDUCATION

#### Weather Apprentice Course Graduates (Class 961015)

Staff Sgt. Charlotte A. Chambers (Distinguished Graduate)  
 Staff Sgt. Robert S. Downs (Distinguished Graduate)  
 Staff Sgt. Gregory M. Bell  
 Senior Airman Bruce A. Boling  
 Senior Airman Andrew D. Nichols  
 Airman 1st Class Israel L. Amadisto  
 Airman 1st Class Wyatt Edward Erminger  
 Airman 1st Class Gisela Collazohuertes  
 Airman 1st Class Valerie S. Slinkoski  
 Airman 1st Class Tiffany Y.B. Greene  
 Airman Sean T. Coleman  
 Airman Brian M. Creter

#### Weather Apprentice Course Graduates (Class 961112)

Senior Airman Nathaniel Payne (Distinguished Graduate)  
 Airman Fred King (Distinguished Graduate)  
 Staff Sgt. Gwendolyn Bishop  
 Senior Airman Larry Norman  
 Airman 1st Class Aaron Krebs  
 Airman 1st Class Paula Pates  
 Airman 1st Class Misty York  
 Airman Janelle Ciccio  
 Airman Leslie Hymel  
 Airman Keben Killehua, Jr.  
 Airman Chad Smit  
 Airman Christopher Spangler

#### Advanced Weather and Able Forecaster Course Graduates (Class 960919)

Senior Airman Charles E. Bibb, Jr. — to Camp Robinson, Ariz. (ANG)  
 Senior Airman Mark Fitzgerald — to New Jersey ANG  
 Senior Airman Paul F. Montas — to Beale AFB, Calif.  
 Senior Airman Jamie Ridpath — to Hurlbert Field, Fla.

#### Advanced Weather and Able Forecaster Course Graduates (Class 961007)

Airman 1st Class Patrick K. Berry — to Fort Hood, Texas  
 Senior Airman Rickie Davis — to Altus AFB, Okla. (Distinguished Graduate)  
 Staff Sgt. Mark Long — to Port Huemene, Calif.  
 Senior Airman Otis Pless — to Fort Rucker, Ala.  
 Senior Airman Benjamin Wretland — to Luke AFB, Ariz.

#### Advanced Weather and Able Forecaster Course Graduates (Class 961022)

Joao Alves — to Lajes Field, The Azores  
 Staff Sgt. Melissa Archer — to Indiana ANG (Distinguished Graduate)  
 Staff Sgt. Marie Colomer — to District of Columbia ANG  
 Jose Faria — to Lajes Field, The Azores  
 Senior Airman Gregory Healy — Fort Lewis, Wash.  
 Staff Sgt. Purse Jonetjes — to North Carolina ANG  
 Senior Airman Steven Juriglianis — to Columbus AFB, Miss.  
 Senior Airman Robert Martinez — to Sheppard AFB, Texas  
 Staff Sgt. Calo Nieves, Jr. — to Florida ANG  
 Senior Airman Conor O'Neill — to Tyndall AFB, Fla.

#### Weather Officer Course (Class 960829)

2nd Lt. Jack Floyd — to Tyndall AFB, Fla.  
 2nd Lt. James Hanamean, Jr. — to Wiesbaden AS, Germany  
 2nd Lt. Michael Krauss — to Wright-Patterson AFB, Ohio  
 2nd Lt. Terry Lane, Jr. — to Andrews AFB, Md.  
 1st Lt. Morgan Mackey — to Yokota AB, Japan (Distinguished Graduate)  
 2nd Lt. Bruce Stansbury — to Cannon AFB, N.M.  
 2nd Lt. Jon Saul — to Kadena AB, Japan  
 2nd Lt. Harmen Visser — to Egin AFB, Fla.  
 2nd Lt. Jennifer Savage — to Maxwell AFB, Ala.  
 2nd Lt. David Vollmer — to Fort Polk, La.

#### WSR-88D UCP Course

Staff Sgt. Kurt R. Rohl, 47th OSS/OSW, Laughlin AFB, Texas

#### WSR-88D Operator/Manager Course

Staff Sgt. Joseph A. Kempfer, 27th OSS/OSW, Cannon AFB, N.M.

#### AWDS Systems Manager Course

1st Lt. John R. Spruill, 25th ASOS/DOW, Wheeler AAF, Hawaii

#### WETM Basic Combat Skills Course (ANG)

Capt. John W. Herman, Jr., 204th WF, McGuire AFB, N.J. (ANG)  
 Capt. Stephen D. Krage, 204th WF, McGuire AFB, N.J. (ANG)  
 Master Sgt. David B. Easton, 204th WF, McGuire AFB, N.J. (ANG)  
 Master Sgt. Robert W. Hoertel, 204th WF, McGuire AFB, N.J. (ANG)  
 Staff Sgt. Edward A. Brokhoff, 204th WF, McGuire AFB, N.J. (ANG)  
 Staff Sgt. Mark L. Evison, 195th WF, Channel Island ANGB, Calif. (ANG)

See SALUTES,  
 continued on Page 23

# Specialized METSAT Imagery

## More Information For The Warfighters



by Capt Mark D. Conner  
Advanced Technology  
Exploitation Officer

The Meteorological Satellite (METSAT) Applications group at the Air Force Global Weather Center is always on the lookout for new ways to exploit METSAT data to pass more information to the forecaster and the warfighter.

In the past year, the group made available to the field an increasing number of specialized METSAT products — a trend which will continue this year.

Here are some of the imagery types and the techniques used to create them.

**DMSP fine imagery** comes from the Defense Meteorological Satellite Program satellites operated by the Air Force. Imagery is 0.3 nautical miles (nm) in resolution, the best available from any weather satellite. The satellites are in a sun-synchronous polar orbit above the earth and each satellite observes a particular region of the world twice per day. Because of recorder limitations aboard the satellites, fine-resolution data is only available for pre-selected areas.

The satellite records the data during its orbit and then downloads it as it passes over a ground station. From the ground station, the data are transmitted to AFGWC and arrive 20 to 100 minutes after observation time, depending upon the orbital distance between the observed location and the ground station.

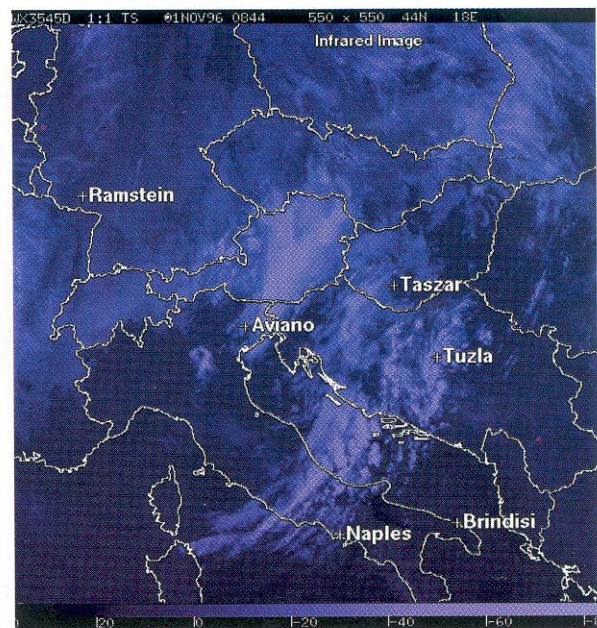
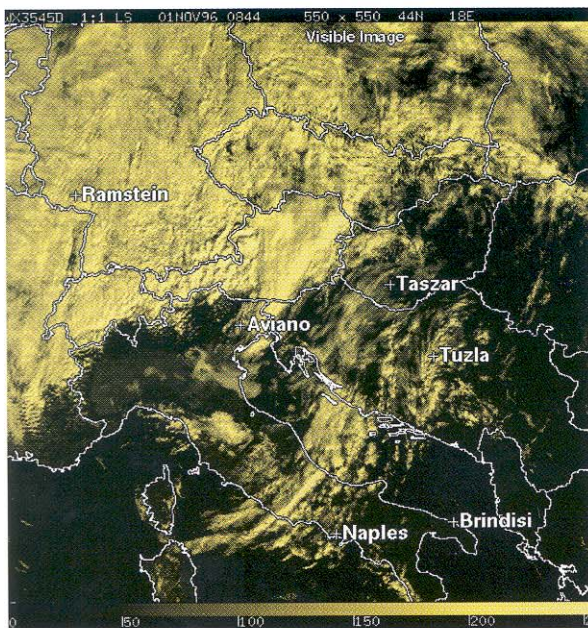
At AFGWC, the forecaster enhances the fine data recorded over Bosnia, Iraq, and Korea by correcting mapping errors and adding location names. The final images are then shipped to the Air Force Dial-In Subsystem (AFDIS), Air Force Weather Information Network (AFWIN), and Secure AFWIN (SAFWIN). At present, fine-data images over Bosnia, Iraq and Korea are available on AFDIS/AFWIN/SAFWIN.

For the past few months, we have made multispectral imagery available to

field units via AFDIS/AFWIN/SAFWIN. This imagery is a colorized combination of the visible and infrared channels from a particular satellite. We color the visible channel yellow and the infrared channel blue and then merge the two images into one. Low clouds and snow cover are bright in the visible channel, but not in the infrared, resulting in yellow shades. High thin cirrus, which is bright in the infrared but not in the visible, results in blue.

Deep clouds, such as cumulonimbus, have bright signatures in both channels producing white. Multispectral imagery is generally available only during daylight hours since the visible channel is a key component of the picture.

Multispectral imagery is very beneficial to both the forecaster and the warfighter. Relative cloud heights and depths can be determined at a glance.



vis

ir

Thin, non-precipitating cirrus can easily be distinguished from more substantial cumulonimbus. When placed in a loop, low-level and high-level winds can be deduced, aiding predictions over regions that may not have conventional observations.

This imagery is very useful as a briefing tool since the forecaster can convey a significant amount of information to the warfighter in a single graphic.

**Solar elevation correction** is another algorithm AFGWC uses to improve its visible METSAT imagery. Visible satellite pictures appear darker in the morning and evening than they do at noon. By calculating the geographic position of each point in the image and knowing the time the image was captured, we can compute how high in the sky the sun was. The algorithm then brightens the pixel based on that sun angle.

If the sun was high in the sky, little or no brightness is added. If the sun was low, a lot is added. This has the effect of

making the visible channel appear uniform from sunrise to sunset. Generally, this algorithm is applied to the visible channel before making any multispectral images.

**Reprojection** is the remapping of imagery from the original coordinate system to another, usually Mercator for the tropics and polar stereographic for the midlatitudes and poles. This is important for making full use of data from geostationary satellites. Features become progressively more distorted as one looks from the center of the disk to the edge. Near the edge, the distortion can become so extreme that interpretation becomes difficult.

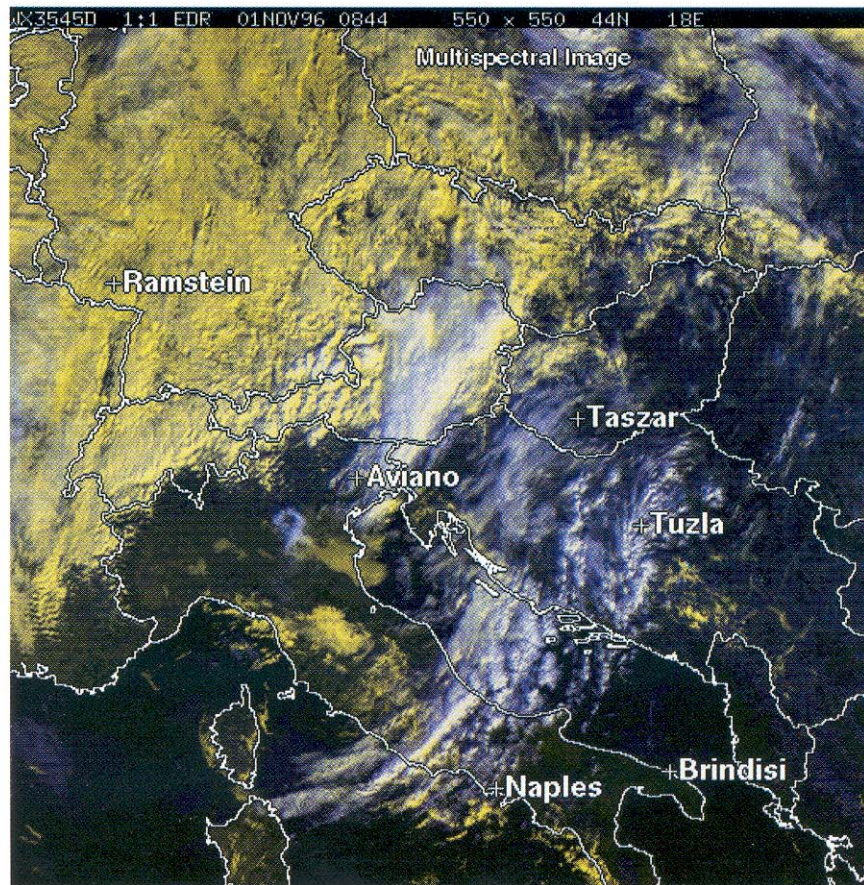
Reprojection restores the symmetry, making distorted features look normal again. This can extend the usefulness of geostationary data to very near the edge of the disk. These techniques are being applied to imagery over Europe and Southwest Asia and the resulting products are available on AFDIS/

AFWIN/SAFWIN.

Presently, our specialized products have been focused towards supporting forecasters and warfighters in specific theaters (southeast Europe, southwest Asia, and the Korean peninsula). During the course of the year, we expect to add many new products covering more areas of the world. We are also exploring new methods for broad-scale analysis of features such as fog and tropical rainfall.

If you have specific questions regarding METSAT imagery techniques, please contact the METSAT Applications group at DSN 271-9757 or CMCL (402) 294-9757, or by E-mail at "[connerm@afgwc.offutt.af.mil](mailto:connerm@afgwc.offutt.af.mil)".

For general questions regarding METSAT products, contact the Field Operations Section at DSN 271-9774 or CMCL (402) 294-9774. Finally, contact the Current Operations Branch at DSN 271-1626 or CMCL (402) 294-1626 to relay suggestions for improving AFDIS/AFWIN/SAFWIN or to request special support.



**msi**



# The AWS Technical Library

## Improving Quality, Efficiency For Now, Future

For years, the Air Weather Service Technical Library (AWSTL) has provided prompt and accurate access to the science and literature of meteorology in support of the weather community. With a move to Asheville, N.C., beginning later this year, the library's customer services team is improving quality and efficiency, for now and the future.

The team began the improvement process more than a year ago, reviewing procedures, drawing up plans for future operations, and sending out product improvement surveys to the customers.

"The purpose of this survey was to see how our customers thought we were doing our job," said Charlie Travers, an AWSTL technical information specialist. "Our objective is to provide warfighters with the best possible product that will meet their needs and make their jobs easier and safer."

"By asking our customers their level of satisfaction with our products and services, we can ensure we're actually providing the customers with what they really need," Travers said.

According to AWSTL Director James Perkins, the library wants to be positioned to meet the future scientific and technical information needs of the instructor meteorologist, Air Force Institute of Technology weather students, contractors, major command aerospace scientists, environmental modelers and simulators and visu-

by Kristine Byrnside  
Air Force Combat  
Climatology Center

alizers, and especially the Air Force weather troops "in the trenches" supporting future weapon systems and tactics. "We need survey inputs from the users of our products and services to know how we can adequately prepare for that future," Perkins said.

More than 500 surveys were distributed. The AWSTL included a survey whenever they

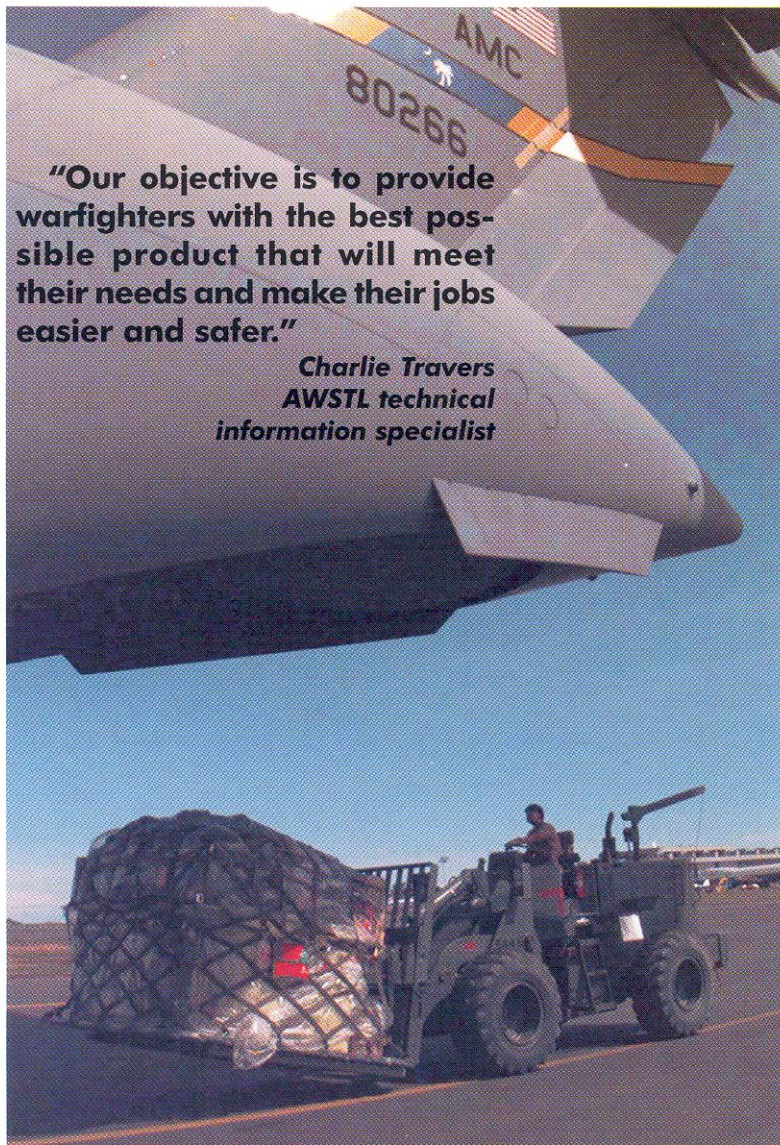
responded to a customer request. Since the initial mail-outs, about 30 percent have been returned. Not everyone takes advantage of the opportunity to fill in the comments sections, but the team said the fact that customers are taking the time to mark the blanks and mailing the surveys back is appreciated. "Every completed survey we get back is helpful," Travers added.

How is the AWSTL doing? The surveys show that we're doing very well. In all categories of staff contacts, and quality of

products and services, customers were most often "completely satisfied." And for those who had other libraries to compare us to, reported that they found the AWSTL met their needs "better."

"As we strive to improve and to tailor our products and services to our patrons' missions, our staff will spend more time with the customers to make sure we know their needs and focus our response for them," Perkins said.

To improve customer service, a 24-hour fax machine has been installed in the library to receive the surveys. The number is DSN 576-4819. Furthermore, the staff has overlapped overseas units' duty hours by staffing the library from 6:30 a.m.-5 p.m. daily. E-mails can be received at "awstl@thunder.safb.af.mil". The AWSTL staff welcomes all comments, suggestions, or requests.



**"Our objective is to provide warfighters with the best possible product that will meet their needs and make their jobs easier and safer."**

**Charlie Travers  
AWSTL technical  
information specialist**

U.S. Air Force Photo

# FORECAST CHALLENGE 97

## Annual Competition Delayed Until Fall 1997



**F**ORECAST CHALLENGE 97 (FC97) has been delayed until the fall of this year. At a recent meeting, Air Force Director of Weather Brig. Gen. Fred Lewis, the major command directors of weather and other senior leaders discussed the high operations and personnel tempo in the Air Force.

"We remain committed to the importance of FORECAST CHALLENGE," General Lewis said. "But we voted for a delay in the annual spring event because we realize that our people, our NUMBER ONE resource, are working very hard to support real world contingencies and exercises.

When the dates for the weather forecasting exercise are set, they will be published in the *OBSERVER*.

Organized and conducted by the Air Force Combat Weather Center (AFCWC), FORECAST CHALLENGE is Air Force Weather's annual forecasting competition. Every major command, the Air National Guard, and the Air Force Reserve sends a team of

by **TSgt Joshua P. DeBord**  
Air Force Combat  
Weather Center

their best forecasters to compete in this premier Air Force-level event.

Whereas most of us forecast with unlimited data on a routine basis, the focus of FORECAST CHALLENGE is to employ *limited-data* forecasting techniques to provide a reliable product to the warfighter.

FORECAST CHALLENGE does not try to simulate a *deployment* in any way, shape, or form ... a fact often misunderstood by participants.

In contrast to normally austere field conditions, participants stay in an off-

base hotel while the competition itself is in the U.S. Air Force Battlestaff Training School facility, site of the quarterly BLUE FLAG command post exercises. What FORECAST CHALLENGE does try to simulate is a data-sparse/data-denied environment, i.e., the sort of environment most weather warriors face during a deployment.

In the early stages of a contingency, communications uncertainties typically force a weather team (WETM) into a limited data forecasting mode. However, even in the long term, data denial by hostile countries or a lack of reporting stations in remote regions can continue to keep the WETM operating in such a mode.

Now you know the when, where, and why. What about the how — how do you prepare to go head to head with the Air Force's best weather forecasters? The best way is through Weather Forecasting Proficiency Exercises (WFPE). WFPEs are designed to help you practice limited-data forecasting techniques, and each is developed using the data and scenarios from the previous year's weather forecasting competition. WFPEs can be completed in 6 to 8

hours, a small amount of time considering the benefits of these outstanding training tools. In addition, by employing the score sheets now included with each package, WFPEs can be used to help units and MAJCOMs choose their best forecasters for the annual competition.

**I**f you haven't seen these invaluable training aids at your unit, contact your MAJCOM weather section for copies. A WFPE is published every quarter following a FORECAST CHALLENGE competition, and each is also available for download from the AFCWC Bulletin Board at DSN 641-5528 (note: WFPEs are large, so download time can be extensive).

FC 97 incorporates a few significant changes from previous competitions. The first change is in the team composition. To support the "Back to Basics" program, teams will now consist of one officer and two enlisted forecasters instead of just two enlisted personnel. Secondly, competitors can bring any helpful items they would carry with them on an actual deployment, such as laptops, forecaster aids binders, homemade checklists, etc.

Third, new types of forecasts have been added such as plain language overviews and flight weather briefings. Lastly, scoring has been completely revamped to penalize guessing and better reward accuracy. Points will even be *deducted* for missed weather warnings and advisories!

If you're among the best of the best in your command, maybe your team can "de-throne" the Air National Guard team, the current Air Force Weather champs. If you're ready for a chance to excel and love to compete, come on down to Hurlburt Field and be a part of FORECAST CHALLENGE 97. We hope to see you this fall!

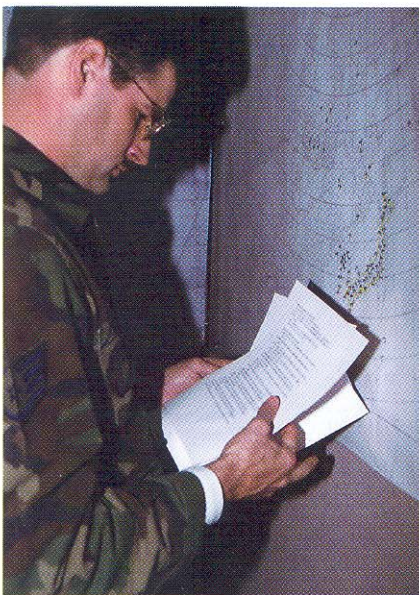


Photo by Staff Sgt. Steve Elliott

FC 97 contestants will work in a data-sparse environment.

# 'Rules Of The Road' For Government E-mail

WASHINGTON -- Some personal electronic mail is OK.

by Senior Master Sgt. Jim Katzaman  
Air Force News Service

Engaging in illegal activity on the Internet is not. Between those extremes, people sometimes wonder where to draw the line.

Now, courtesy of the Air Force, comes "rules of the road" for those out on the increasingly crowded information highway. These can be found in a new instruction, AFI 33-119, E-mail Management and Use, due to the field early this year.

"If used properly, E-mail is a superb tool to complement and improve our communications," said Lt. Col. Frank McGovern, chief of Air Force communications and information policy at the Pentagon. "However, just like other forms of communication, such as the telephone or correspondence, there is a potential for abuse.

"All Department of Defense civilian employees and military personnel are accountable for the content of the E-mail messages they send," McGovern said.

Air Force E-mail systems are provided to support Air Force missions, the colonel said. So, people "must use E-mail for official, authorized and ethical activities in the best interests of the Air Force."

Some personal use of E-mail is authorized. The first supervisor who is a commissioned officer or civilian above GS/GM-11 in a worker's chain of command or supervision can authorize the extent of personal E-mail use.

However, supervisors do not have complete discretion in the matter. They must look to the joint ethics regulation, the new Air Force instruction and any major-command or unified combatant command policies for specific guidance.

Official use, the colonel said, includes emergency communications and communications deemed necessary in the interest of the government. For instance, to boost morale and welfare, theater commanders may approve communications by military members and other Department of Defense employees deployed for extended periods away from home on official business.

McGovern noted some examples of authorized personal E-mail use:

- Brief communications made by DOD employees while traveling on

government business to notify family members of official transportation or schedule changes.

- Personal communications from the DOD employee's usual work place most reasonably made while at the work place. This includes checking in with a spouse or minor children; scheduling doctor and auto or home repair appointments; brief internet searches and E-mailing directions to visiting relatives.

Personal E-mail, McGovern said, should not interfere with performance of official duties. It should be brief and made during an employee's personal time whenever possible. He stressed that all E-mail communications should be polite, respectful and professional. Profanity is never appropriate.

"The basic standards for employing E-mail are common sense, common decency and civility," McGovern said. "This includes following traditional military protocols and courtesies.

"Do not use E-mail for purposes that reflect adversely on the Air Force," he said. He listed examples such as pornography, chain letters, unofficial advertising, soliciting or selling and other uses incompatible with public service.

An example of improper use of E-mail includes sending or forwarding disparaging or derogatory comments attacking someone's character or integrity. These types of E-mail messages conflict with the Air Force's high ethical standards.

"As a rule," McGovern said, "the content of your E-mail messages should follow the same basic guidelines we use with other communications media."

Federal civilian employees and military personnel must also abide by other E-mail edicts. These include operational and computer security directives; protection of classified, Privacy Act and sensitive information; proper management of messages that are federal records; formats; and the Freedom of Information Act.

These and other more detailed rules of the road will appear in the new Air Force instruction.

## Air Force Offers Some Retrainees Extended SKT Exemption

RANDOLPH AIR FORCE BASE, Texas (AFNS) -- The Air Force announced recently that it is extending the exemption period for retrainees taking the skills knowledge test from 18 to 24 months regardless of the skill level.

The change, officials with the Air Force Personnel Center say, is needed because of changes in skill-level upgrade requirements and longer training for many 3-level schools.

"It's part of our continuous process improvement," said Senior Master Sgt. Fred Lopez, superintendent of the enlisted promotion management section at AFPC. "Evolving policies and procedures in other areas which may impact the enlisted promotion system are continually reviewed to examine the need for change."

The change, which could impact between 3,000 and 4,000 enlisted members annually, is effective immediately and includes the 1997 promotion cycles for staff, technical and master sergeants.

Personnel officials further explained that the exemption is for only those in a retraining status or those returned to a previously awarded Air Force specialty at a skill level not commensurate with current grade prior to the promotion eligibility cutoff date.

Military members who wish to take the SKT and forego the exemption, can do so if they request so in writing anytime prior to testing. Those who choose not to accept the exemption will not have the option to reverse their decision once the tests are administered.

The 24 month period, AFPC explained, begins from the date an individual initially entered retraining. For those testing for promotion to tech or master, people who entered retraining Jan. 1, 1995 or later are eligible for the SKT exemption. For promotion to staff, people who entered retraining April 1, 1995 or later are eligible. For more information about the SKT exemption, contact your local military personnel flight's promotion section. (Courtesy AFPC News Service)



## Phillips Lab Seeks To Predict Fog

**M**AUI, HAWAII (AFNS) — A Hawaii-based company has been awarded an Air Force contract to develop a system that would predict ground fog or misting rain approaching an Air Force optical surveillance observatory here.

The Small Business Innovation Research contract was awarded to Oceanit Laboratories by the U.S. Air Force Phillips Laboratory at Kirtland Air Force Base, N.M.

Air Force officials noted that it is critical for them to have an accurate weather-prediction system for their facilities atop Haleakala, a 10,000-foot-high mountain on Maui, where fog and misting rain can quickly develop. Telescopes there, such as a 3.6 meter Advanced Electro-Optical System nearing completion, can be damaged by fog or rain if protective telescope domes can't be closed in time. Advanced warning would provide the time needed.

Oceanit, an engineering and research and development firm, has developed a sensor technology to monitor, collect, and analyze critical atmospheric information on a 24-hour basis. With the assistance of modeling and prediction software, Oceanit's sensor technology will continuously generate short-range forecasts of marginal and changeable weather conditions that might adversely affect telescope operations.

## National Weather Service Conference

**T**he National Weather Service (NWS) hosts a four-day information dissemination technology conference in Washington, D.C., April 15-18, for the telecommunications industry and private sector users of NWS products. The conference takes place in the Department of Commerce, Herbert C. Hoover Building, 14th St. and Constitution Ave., N.W.

The first part of the conference focuses on NWS operations, changes in NWS technologies and procedures, and background on all current and planned dissemination systems. Presentations are planned by program managers from the Department of Commerce, National Oceanic and Atmospheric Administration, NWS, the Federal Emergency Management Agency, and Federal Communication Agency.

The second part of the conference is an industry forum about telecommunications services for future NWS information dissemination. The forum will discuss where the dissemination of weather data, graphics, imagery, forecasts and warnings is headed, and most importantly, what are the needs of NOAA/NWS and users of this information.

For more information about the conference, call Ann Radding at (303) 713-1724, ext. 154, or E-Mail to "acradding@worldnet.att.net".

## WANTED ... Info About On-Line Weather Products

**U**nits who are routinely accessing and using alternate weather products using your computer, this request is directed specifically at you!

The Aerospace Science Division at Headquarters Air Weather Service is putting together a publication on how weather units can access and operationally use PC-based weather products in their forecast decision making process.

Although we frequently use many different kinds of on-line weather links (AFWIN, NIPRNET, INTERNET, etc.), our experience base is still very small when compared the total experience of all AFW units.

Because we want to write an article about the best ways that a weather station can acquire and use this type of information, we are soliciting your crossfeed on helpful hints, successes, failures, favorite products, or any other words of wisdom that you would care to provide about using on-line products and services.

We are trying to build a publication that



will be useful to both units that are just starting the voyage as well as those units who are already "frequent flyers." Every type of comment is solicited and welcome. If it helps your station, it will most likely be valuable to other stations too. Your crossfeed and comments are important to us, and will form the backbone of our pending article.

Here is the opportunity for you to make a real difference to other weather units worldwide. Please direct all crossfeed comments to Tech. Sgt. Gregg Williams, AWS/XONS.

HQ AWS/XONS

102 W. Losey St. Room 105

Scott AFB, IL 62225-5206.

DSN (Voice): 576-4721, ext. 513

DSN (Fax): 576-6300

E-Mail: williamg@hqaws.safb.af.mil

Bulletin Board: DSN 576-5768

User ID: williamg

## Republic Of Korea Presidential Unit Citation

**T**he 7th Air Force was recently awarded the Republic of Korea Presidential Unit Citation for the period of Sept. 1986-December 1996. It was awarded as a UNIT award, and NOT as a unit PLUS individual award. The award consists of a streamer for the 7th Air Force flag, according to sources at the 607th Weather Squadron at Yongsan AIN, Korea.

Weather personnel assigned to Korea during any period during the last 25 years (since 1971) are not authorized individual wear of the ROK Presidential Unit Citation. There was not an individual award made during 1995-96, although it was widely rumored that such an award was made.

# Major Command Staff Directories

**D**ue to popular demand, a complete listing of the staff directories of each major command's directorate of weather has been added this month for the

convenience of our readers. Also, several corrections have come in regarding the January 1997 edition, the AFW Almanac. Those corrections will be listed after the staff directories.

## AIR MOBILITY COMMAND

HQ AMC/DOW  
402 Scott Drive, Unit 3A1  
Scott AFB, IL 62225-5302

DSN 576-4337  
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FAX: DSN 576-5801  
FAX: CMCL (618) 256-5801  
E-Mail: [user@hqamc.safb.af.mil](mailto:user@hqamc.safb.af.mil)  
Organizational E-Mail: [amc-dow@hqamc.safb.af.mil](mailto:amc-dow@hqamc.safb.af.mil)

DOW -- DIRECTOR OF WEATHER:  
Lt. Col. H. Webster Tileston III (tilesthw) 576-4337  
SECRETARY: Mrs. Velma A. Brokering (brokeriv)

**MISSION:** Provides airlift, air refueling, special air mission and aeromedical evacuation for U.S. forces. Supplies forces to theater commands to support wartime tasking.



### DOWX -- READINESS AND PLANS BRANCH

Maj. David C. Sautter (sauttedc)	576-5082
Capt. Todd M. McNamara (mcmamart)	576-5082
Mr. Robert E. Miller (millerre)	576-5082
Master Sgt. Christopher L. Fletcher (fletchec)	576-5082
Master Sgt. Charles H. Hall, Jr. (hallc)	576-5082

### DOWO -- STANDARDIZATION AND REQUIREMENTS BRANCH

Lt. Col. Cecilia A. Askue (askuec)	576-2922
Capt. Robert G. Hauser (hauserrg)	576-2922
Capt. Stephen J. Romalo	(arrives July 1997)
Chief Master Sgt. Danile J. Michalewicz (michaled)	576-5867
Senior Master Sgt. Ronald P. Whitt (whitr)	576-5867
Master Sgt. Chuck B. Siniff, Jr. (siniffc)	576-5867

## AIR EDUCATION AND TRAINING COMMAND

AETC AOS/AOW  
1 F St., Ste. 2  
Randolph AFB, TX 78150-4325  
DSN 487-3367/3700/5080/4016  
CMCL (210) 652-3367/3700/5080/4016  
FAX: DSN 487-3915  
FAX: CMCL (210) 652-3915

**MISSION:** Recruits, accesses, commissions, trains and educates Air Force enlisted and officer personnel. provides basic military training, initial and advanced technical training, flying training, and professional military and degree-granting professional education. Conducts joint, medical service, readiness and Air Force security assistance training.



### WEATHER OPERATIONS FLIGHT COMMANDER

Lt. Col. Larry J. Becker (beckerl.aetcxo@mhs3.aetc.af.mil)

### OPERATIONS

Capt. Lee S. Netterville (nettervi.aetcxo@mhs3.aetc.af.mil)

### TECHNICAL SERVICES

Capt. Leanne M. Siedlarz (siedlarz.aetcxo@mhs3.aetc.af.mil)

### CHIEF, STANDARDIZATION AND EVALUATION

Chief Master Sgt. John M. Hahn (hahnj.aetcxo@mhs3.aetc.af.mil)

### EQUIPMENT AND BUDGET MONITOR

Master Sgt. Scot M. Hill (hills.aetcxo@mhs3.aetc.af.mil)

OBSERVER

# AIR COMBAT COMMAND

**MISSION: Operates Air Force bombers and CONUS-based, combat-coded fighter and attack aircraft. Organizes, trains, equips and maintains combat-ready forces for rapid deployment and employment while ensuring strategic air defense forces are ready to meet the challenges of peacetime air sovereignty and wartime air defense.**



**HQ ACC/DOW**  
113 Plumb St.  
Langley AFB, VA 23665-2781

**DSN 574-XXXX**  
**CMCL (757) 764-XXXX**  
**FAX: DSN 574-8455**  
**FAX: CMCL (757) 764-8455**

**E-Mail: (last name to seven letters/first initial)@hqaccdo.langley.af.mil**

**DOW -- CHIEF, WEATHER DIVISION**

Col. Edward J. Eadon		574-8452
Ms. Mary Hoover	Secretary	574-8452
Maj. Philip Conant	Chief, Army Weather Programs and Operations	574-8441

**DOWR -- WEATHER PLANS AND PROGRAMS BRANCH**

Lt. Col. Thomas B. Schott	Chief	574-8465
Ms. Betty Jenkins	Secretary	574-8445

**DOWRP -- PROGRAMS SECTION**

Maj. Douglas D. Owen	Chief	574-8445
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Capt. Robert J. Carroll  
Capt. James A. Cotturone  
Capt. Patrick P. Ludford

**DOWRX -- PLANS SECTION**

Mr. Stanley W. Tkach	Chief	574-8441
Maj. Ronald L. Dunic		
Capt. Malcom C. Walker	(arrives April 1997)	

Master Sgt. Stephen G. Green  
Master Sgt. Thomas M. Simon

**DOWO -- OPS EVAL/STANDARDIZATION BRANCH**

Maj. Willard K. Singletary		574-8456
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**DOWOE -- OPS EVALUATION SECTION**

Maj. Paul Lapointe	Chief	574-8464
Capt. Paul G. Gifford		574-8459
Senior Master Sgt. Floyd M. Parton		574-8459
Senior Master Sgt. Frederick Patterson		574-8462

**DOWOF -- STANDARDIZATION BRANCH**

Chief Master Sgt. Nancy W. Brooks		574-8457
Senior Master Sgt. Steven W. Ruch		
Master Sgt. Jack Tones		
Tech. Sgt. Gary C. Smith		

# AIR FORCE SPECIAL OPERATIONS COMMAND

**MISSION: Provides the air component of U.S. Special Operations Command, deploying specialized airpower and delivering special operations combat power.**



**CHIEF, OPERATIONS WEATHER DIVISION**

Col. (sel.) James H. Love, Jr. (lovej)		579-5640
<b>REQUIREMENTS, RESOURCES AND PROGRAMS</b>		
Maj. Jonathon K. Hayward (haywardj)		579-2924
<b>SYSTEMS ACQUISITION AND AEROSPACE SCIENCES</b>		
Capt. Peter C. Clement (clementp)		579-2502
<b>PLANS AND READINESS</b>		

Maj. James M. Staley (staleyj)		579-2501
<b>PLANS, READINESS AND TECHNICAL SERVICES</b>		

Capt. Joel T. Werginz (werginzj)		579-2575
<b>SUPERINTENDENT, OPERATIONS WEATHER</b>		

Chief Master Sgt. Stephen L. Rosemier (due April 97)		579-2145
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**NCOIC, CURRENT WEATHER OPERATIONS**

Tech. Sgt. Roland R. Keene (keener)		579-2125
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**HQ AFSOC/DOW**  
100 Bartley St., Ste. 160W  
Hurlburt Field, FL 32544-5273

**DSN 579-5640**  
**CMCL (904) 884-5640**  
**FAX: DSN 579-2243**  
**FAX: CMCL (904) 884-2243**

**E-Mail: (lastname&first initial)@hqafsoc.hurlburt.af.mil**

# AIR FORCE MATERIEL COMMAND

HQ AFMC/DOW  
4225 Logistics Ave., Ste. 2  
Wright-Patterson AFB, OH 45433-5714

DSN 787-5365/5479  
CMCL (513) 656-5365/5479  
FAX: DSN 986-1246  
FAX: CMCL (937) 656-1246  
E-Mail: [username@wpgate1.wpafb.af.mil](mailto:username@wpgate1.wpafb.af.mil)

## DIRECTOR OF WEATHER

Col. Philip G. Yavorsky (yavorp) 787-5365/5479  
Secretary: Mrs. Tina Torres (torrest) 787-5365/5479

**MISSION: Advances, integrates and uses technology to develop, test, acquire and sustain weapons systems. Performs single-manager continuous product and process improvement throughout a product's life cycle. Contributes to combat superiority, readiness and sustainability.**



## ACQUISITION METEOROLOGY BRANCH

*Chief*  
Lt. Col. Willow Cliffswallow (cliffsw) 787-5365/5479  
*Staffmet Policy/Requirements*  
Mr. Frank W. Jenks (jenks) 787-5356/5479  
*Weather Sciences Officer*  
Maj. Tom Neu (neut) 787-5356/5479

## WEATHER OPERATIONS BRANCH

*Chief*  
Maj. Harold A. Elkins (elkinsh) 787-5364/5365  
*Superintendent*  
Senior Master Sgt. William H. Burr (burrw) 787-5364/5365  
*Superintendent, Readiness*  
Master Sgt. Richard R. Wieand 787-5364/5365

# AIR FORCE SPACE COMMAND

HQ AFSPC/DORW  
150 Vandenberg St., Ste. 1105  
Peterson AFB, CO 80914-4250

DSN 692-XXXX  
CMCL (719) 554-XXXX  
FAX: DSN 692-9060  
FAX: CMCL (719) 554-9060

Organizational E-Mail:  
[afspdorw@spacecom.af.mil](mailto:afspdorw@spacecom.af.mil)

**MISSION: Make space reliable and routine for the warfighter by continuously improving the command's ability to provide and support combat forces.**



## CHIEF WEATHER AND SPACE ENVIRONMENTAL BRANCH

Lt. Col. Billy G. Davis (bidavis) 692-3143  
Lt. Col. Robert Frederick (rfrederi) (Asst. Chief) 692-9683

## SPACE ENVIRONMENTAL OPERATIONS

Maj. Lynette Franchi (lfranchi) 692-3448

## WEATHER TECHNOLOGY AND APPLICATIONS

Maj. John Schattel (jschatte) 692-3419

## SPACE ENVIRONMENT OPERATIONS

Maj. Mike Christie (mchristi) 692-3242

## WEATHER PLANS AND PROGRAMS

Maj. Jon C. Cornick (jcornick) 692-5894

## DMSP RESOURCES, PEM

Maj. Tony Spiridigliozzi (aspiridi) 692-9876

## WEATHER OPERATIONS AND EVALUATION

Chief Master Sgt. Marty Mindnich (mmindnic) 692-3090

## DMSP OPERATIONS

Master Sgt. Brian Kloess (bkloess) 692-3259

## WEATHER SYSTEMS AND TRAINING

Master Sgt. Barry J. Ortner (bortner) 692-5627

OBSERVER

# UNITED STATES AIR FORCES IN EUROPE

**MISSION:** Plans, conducts, controls, coordinates and supports air and space operations to achieve United States national and NATO objectives based on taskings assigned by the commander in chief, U.S. European Command.



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**FAX: DSN 314 480-7049**  
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**E-Mail: user.name@ramstein.af.mil**  
**Unit E-Mail: usafe.dow@ramstein.af.mil**

**DOWR -- WEATHER REQUIREMENTS BRANCH**  
 Maj. Ralph O. Stoffer (ralph.stoffer) 480-6902/6002  
 Capt. John S. Shepley (john.shepley)  
 Capt. Kenneth W. Browning (ken.browning)  
 Master Sgt. Al Dominguez (al.dominguez)

**DOWO -- WEATHER OPERATIONS BRANCH**  
 Chief Master Sgt. Lewis F. Riggsby (frank.riggsby)  
 Chief Master Sgt. Charles J. Evans (charles.evans)  
 Master Sgt. Bryan Goforth (bryan.gofort)

**CHIEF, WEATHER DIVISION**  
 Col. Michael A. Neyland (michael.neyland) 480-7001/6139  
**DEPUTY CHIEF**  
 Lt. Col. David L. Bjornson (david.bjornson) 480-6209/6002  
**SECRETARY**  
 Ms. Eileen F. Rahan (eileen.rahan) 480-6139/7001

**DOWV -- WEATHER STANDARDIZATION AND  
EVALUATION BRANCH**  
 Maj. Robert C. Allen, Jr. (robert.allen) 480-9325/6209  
 Senior Master Sgt. Gordon H. Fesenger (g.fesenger)

**DOWN -- AEROSPACE SCIENCES BRANCH**  
 Capt. Margo T. Bjorkman (margo.bjorkman) 480-9325/6209

# PACIFIC AIR

**MISSION:** Plans, conducts and coordinates offensive and defensive air operations in the Pacific and Asian theaters.



**FORCES**  
**HQ PACAF/DOW**  
**25 E. St., Ste. I-232**  
**Hickam AFB, HI 96853-5426**

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**CMCL (808) 449-6174**  
**FAX: DSN 449-9387/DSN 448-8962**  
**FAX: CMCL (808) 449-9387**

**DIRECTOR OF WEATHER**  
 Col. Charles W. French (dow\_french@emh.cidss.af.mil)  
 Secretary: Mrs. Carolyn Miyamura 449-6174

**DOWO -- WEATHER OPS AND AEROSPACE  
SCIENCES BRANCH**  
 Maj. David W. Anderson 448-1533  
 Mrs. Galien Kuwada (Secretary) 448-1533

Capt. Patrick J. Rothbauer 448-5283  
 Chief Master Sgt. Mariano De La Ossa 448-4713  
 Master Sgt. Dale J. Ferraro 448-8982  
 Mr. John H. Feckter 449-7379

**DOWV -- WEATHER STAN/EVAL BRANCH**  
 Maj. Mary J. Quinn 448-2033  
 Senior Master Sgt. Robert W. Troastle 448-9282  
 Master Sgt. David H. Driskell 448-9282

**DOWX -- WEATHER PLANS AND  
PROGRAMS BRANCH**  
 Lt. Col. Michael E. Hoofard (arr. Apr. 97) 449-8481  
 Mr. Hiroshi Nishimoto 449-8905  
 Maj. Bruce W. Thompson 449-8904  
 Mr. George F. Jacroux 449-8479  
 Capt. Kenneth W. Nelmes 449-8483  
 Master Sgt. Arlyn L. Norman 449-8905

# Additions, Corrections

*(Editor's Note: The following are additions and corrections that have been received since the January 1997 AFW Almanac was published.)*

## CASTLE AFB, Calif.

This Air Combat Command base closed in September 1995.

## LAJES AB, Portugal

Lajes AB is located in the Azores island chain, which belongs to the nation of Portugal. It is not an American territory.

## HOWARD AFB, Panama

Panama is also an independent nation and was mistakenly listed with the U.S. bases.

## THULE AB, Greenland

Greenland is a territory of the nation of Denmark, and should have been listed with the Danish flag.

## GUAM and PUERTO RICO

Guam (Andersen AFB and Nimitz Hill) and Puerto Rico (Ramey AS) are U.S. territories, and not independent countries.

## FORT LEWIS, Wash.

E-Mail address for Maj. Steve Carr, 1st Weather Squadron Commander, should be "carrs@lewis-ems1.army.mil".

## SCOTT AFB, Ill.

The phone number for the U.S. Transportation Command's chief of the METOC Branch, Lt Col Karan Hofmann, is DSN 576-8406.

## ELMENDORF AFB, Alaska

Alaskan Weather Operations Center (PACAF)

611th OSF/WE

5800 G. St., Ste. 139

Elmendorf AFB, AK 99506-2130

DSN (317) 552-2719/2382/2710/3043/4026

FAX: DSN (317) 552-8351

Chief: Lt. Col. Tom MacPhail

E-Mail: macphail@11afmail.topcover.af.mil

Operations Superintendent: Senior Master Sgt. N. Roll.

E-Mail: roll@11afmail.topcover.af.mil

Chief Scientist: Capt. A. Gravier

E-Mail: gravier@11afmail.topcover.af.mil

## DOBBINS ARB, Ga.

94th OG/OGW (AFRES)

c/o Weather Data Services, Inc.

1477 Mimosa Dr.

Dobbins ARB, GA

DSN 925-5193/5191

CMCL (770) 919-5193/5191

FAX: DSN 925-5194

FAX: CMCL (770) 919-5194

Contract Manager/Chief, Weather Operations: Mr. Arthur J. Comeau

Assistant Chief, Weather Operations: Mr. James Hopkins

## TORII STATION, Japan

OL-A, 320 STS/SOWT

Unit 5249

APO AP 96368

DSN 644-4949

NCOIC: Tech. Sgt. John W. Walker

E-Mail: afisowt@Torii-emh1.army.mil

## BOEBLINGEN, Germany

OL-A, 321st STS

Panzer Kaserne

CMR 445, Box 260

APO AE 09046

DSN (314) 431-2513

FAX: DSN (314) 431-2664

Team NCOIC: Tech. Sgt. Tom Targazewski

E-Mail: aoso-sfc-f-sowt@email.moehringen.army.mil

## STUTTGART-MOEHRINGEN, Germany

HQ USEUCOM/ECJ3-FOW (Flight Operations Center)

Stuttgart Army Airfield

Unit 30400, Box 1000

APO AE 09128-4209

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CMCL 011-49-711-729-4111

NCOIC: Tech. Sgt. Dave Scott

E-Mail: wea-olb@email.moehringen.army.mil

## STUTTGART-VAIHINGEN, Germany

HQ USEUCOM, METOC Branch

Patch Barracks

USEUCOM/ECJ33-WE

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APO AE 09128-4209

DSN (314) 340-8146/8141

CMCL 011-49-711-680-8146

FAX: DSN (314) 430-8145

Senior METOC Officer: Cmdr. R. Parker Lumpkin, USN

E-Mail: ecjswe.hq.eucom.mil

## HQ Special Operations Command, Europe METOC Officer

USEUCOM/ECJ33-WE

Patch Barracks

Unit 30400, Box 1000

APO AE 09128-4209

DSN (314) 430-8144

CMCL 011-49-711-680-8144

FAX: DSN (314) 430-8145

SOCEUR Senior METOC Officer: Capt. Brian Leatherwood

E-Mail: ecj3we@hq.eucom.mil

## HURLBURT FIELD, Fla.

Only the Air Force Combat Weather Center numbers have changed. The AFCWC DSN prefix is "641," while the rest of the base is still "579." The AFCWC commercial prefix is "881," while the rest of the base is "884."

This applies to the Air Force Special Operations Command headquarters, the 16th OSS/DOW base weather shop, the 720th Special Tactics Group, and the 10th Combat Weather Squadron.

## SALUTES,

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Staff Sgt. Kenneth S. Rogers, 204th WF, McGuire AFB, N.J. (ANG)  
Staff Sgt. Jonathon E. Swift, 204th WF, McGuire AFB, N.J. (ANG)  
Senior Airman Curtiss K. Akim, 195th WF, Channel Island ANGB, Calif. (ANG)  
*Airman Leadership School*  
Senior Airman Thomas E. Briggs, 27th OSS/OSW, Cannon AFB, N.M.  
Senior Airman Amber L. Roberts, 12th OSS/OSW, Randolph AFB, Texas (Levitov Award winner)  
*NCO Academy*  
Staff Sgt. Jon K. Morris, 28th OSS/OSW, Ellsworth AFB, S.D.  
*Senior NCO Academy*  
Master Sgt. (sel.) Jeffrey A. Fluegge, 25th ASOS/DOW, Wheeler AAF, Hawaii (Distinguished Graduate)  
*Joint Readiness Training Center (Fort Polk, La.) Graduates*  
Airman 1st Class Eric C. Knauer, 25th ASOS/DOW, Wheeler AAF, Hawaii  
Staff Sgt. Howard A. Westbrook, 25th ASOS/DOW, Wheeler AAF, Hawaii  
Senior Airman Anondra C. Williams, 25th ASOS/DOW, Wheeler AAF, Hawaii  
Senior Airman Samuel W. Trotter, 25th ASOS/DOW, Wheeler AAF, Hawaii  
Airman Robert J. Skelton, 25th ASOS/DOW, Wheeler AAF, Hawaii  
Senior Airman Joseph E. Carder, 25th ASOS/DOW, Wheeler AAF, Hawaii

## AWARDS

*412th OSS/OSW NCO of the Quarter (3rd qtr. 1996)*  
Tech. Sgt. Carl E. Frazier, 412th OSS/OSW, Edwards AFB, Calif.  
*412th OSS/OSW Airman of the Quarter*  
Airman 1st Class Monica E. Kennedy, 412th OSS/OSW, Edwards AFB, Calif.  
*355th OSS Company Grade Officer of the Quarter*  
Capt. Richard A. Carpenter, 355th OSS/OSW, Davis-Monthan AFB, Ariz.  
*341st OG Airman of the Quarter (July-Sept. 1996)*  
Senior Airman Lena M. Toner, 341st OSS/OSW, Malmstrom AFB, Mont.  
*15th ASOS Airman of the Quarter*  
Airman 1st Class Wanda Franco, 15th ASOS, Hunter AAF, Ga.  
*353rd OSS(2nd and 3rd qtr)/353rd OG NCO of the Quarter (2nd qtr. 1996)*  
Staff Sgt. Kevin Bourne, 353rd OSS/WX, Kadena AB, Japan  
*18th OSS/OSW Company Grade Officer of the Quarter (3rd qtr. 1996)*  
1st Lt. Lynda M. Johnson, 18th OSS/OSW, Kadena AFB, Japan  
*18th OSS/OSW & 18th OG Senior NCO of the Quarter*  
Senior Master Sgt. Dale Roth, Jr., 18th OSS/OSW, Kadena AFB, Japan  
*18th OSS/OSW NCO of the Quarter*  
Tech. Sgt. Brad Kellaway, 18th OSS/OSW, Kadena AFB, Japan  
*18th OSS/OSW Airman of the Quarter*  
Airman 1st Class Banielle Walton, 18th OSS/OSW, Kadena AFB, Japan  
*18th ASOG Senior NCO of the Quarter (3rd qtr. 1996)*  
Master Sgt. Larry W. Smith, OL-B, 18th WS, Fort Eustis, Va.  
*18th ASOG Airman of the Quarter*  
Senior Airman Paul B. Krewson, OL-C, 18th WS, Fort Knox, Ky.  
*45th AS/OSFWX Forecaster of the Quarter*  
Staff Sgt. Andrea Graves, 45th AS/OSFWX, Keesler AFB, Miss.  
*45th AS/OSFWX Observer of the Quarter*  
Airman 1st Class Julie Moretto, 45th AS/OSFWX, Keesler AFB, Miss.  
*18th ASOG NCO of the Quarter (3rd qtr. 1996)*  
Tech. Sgt. Rudy B. Tingelhoff, 2nd WF/WXF, Fort McPherson, Ga.  
*354th OSS Airman of the Quarter (July-Sept. 1996)*  
Airman 1st Class Dayna M. Strong, 354th OSS/OSW, Eielson AFB, Alaska  
*HQ AFGWC Company Grade Officer of the Quarter*  
Lt. (USN) Paul J. McCrone, HQ AFGWC, Offutt AFB, Neb.  
*HQ AFGWC Civilian (GS-9 and above) of the Quarter*  
Louis J. Riva, HQ AFGWC, Offutt AFB, Neb.

## CUSTOMERS,

### continued from Page 3

airmen, and civilians -- what they need to "exceed" our customers' expectations with accurate, timely, fine-scale, relevant weather information.

In the past, some of you may have not had the time to train, the time to spend thinking about the weather, the "first-in" tactical communications to provide you the data you needed in the deployed environment, the accuracy of the products you needed to allow you to help the operators OWN THE WEATHER, or the "right,

focused" organizational structure to allow you to optimally support the warfighter. But through our reengineering effort we are going to put in motion the plan to correct all of that.

Every day I become more convinced that if we provide you, the "outstanding people of AFW," with an organization that is warfighter-focused and the tools (technology and communications) along with high-quality, operations-focused training, then you will exceed our customers' expectations for weather support. To do this, technology needs to be our servant and our processes need to be the same in peace and war -- and we will get

there soon with your help.

In closing, each of us must remember that Air Force Weather's most valuable resource is you, the people, who will make highly accurate, timely, fine-scale, relevant weather support an every day reality for the warfighters. I salute and thank each of you for helping us all make this "QUEST" for improved weather support for the warfighters happen. Further, I would challenge each of you to review our reengineering home page and provide us your comments and inputs. With your help our warfighters will "OWN THE WEATHER" for battle. THANKS!

## HQ AFGWC Civilian (GS-8 and below) of the Quarter

Dorothy A. Muse, HQ AFGWC, Offutt AFB, Neb.  
*HQ AFGWC Senior NCO of the Quarter*  
Master Sgt. Jerry L. Sanders, HQ AFGWC, Offutt AFB, Neb.  
*HQ AFGWC NCO of the Quarter*  
Staff Sgt. Raymond L. Pelletier, HQ AFGWC, Offutt AFB, Neb.  
*HQ AFGWC Airman of the Quarter*  
Senior Airman Ty Hunt, HQ AFGWC, Offutt AFB, Neb.  
*18th WS Airman of the Quarter (3rd qtr. 1996)*  
Senior Airman Paul B. Krewson, OL-C, 18th WS, Fort Knox, Ky.  
*4404th OSS/OSW NCO of the Month (October 1996)*  
Staff Sgt. John Stevens, 4404th OSS/OSW, Prince Sultan AB, Saudi Arabia (from Kelly AFB, Texas)  
*4404th OSS/OSW Airman of the Month*  
Airman 1st Class Cory Iverson, 4404th OSS/OSW, Prince Sultan AB, Saudi Arabia (from Dover AFB, Del.)  
*4404th OSS/OSW & 4404th OSS Senior NCO of the Month (November)*  
Master Sgt. Mark A. Redfords, 4404th OSS/OSW, Prince Sultan AB, Saudi Arabia (from McConnell AFB, Kan.)  
*4404th OSS/OSW NCO of the Month*  
Staff Sgt. Dave Theiry, 4404th OSS/OSW, Prince Sultan AB, Saudi Arabia (from Maxwell AFB, Ala.)  
*4404th OSS/OSW Airman of the Month*  
Airman Lance Stringham, 4404th OSS/OSW, Prince Sultan AB, Saudi Arabia (from McChord AFB, Wash.)  
*5th OSS/5th OG NCO of the Quarter (July-Sept. 1996)*  
Staff Sgt. Brett W. Wisdom, 5th OSS/OSW, Minot AFB, N.D.  
*5th OSS/5th OG Senior NCO of the Quarter*  
Master Sgt. Stan G. Grell, 5th OSS/OSW, Minot AFB, N.D.  
*HQ AMC TACC/XOW NCO of the Quarter (4th qtr. 1996)*  
Staff Sgt. John M. Edwards, HQ AMC TACC/XOW, Scott AFB, Ill.  
*HQ AMC TACC/XOW Junior Officer of the Quarter*  
2nd Lt. Lendy G. Renegar, HQ AMC TACC/XOW, Scott AFB, Ill.  
*HQ AMC TACC Information Manager of the Quarter (3rd qtr.)*  
Tech. Sgt. Royce S. Morton, HQ AMC TACC/XOW, Scott AFB, Ill.  
*HQ AMC Information manager of the Quarter*  
Tech. Sgt. Royce S. Morten, HQ AMC TACC/XOW, Scott AFB, Ill.

## MARRIAGES

Staff Sgt. Kenneth D. Henry, 4th OSS/OSW, Seymour Johnson AFB, N.C., to Donna Baumert  
Airman 1st Class Carol L. Glenn, 47th OSS/OSW, Laughlin AFB, Texas, to Senior Airman Shawn D. Walker  
Airman 1st Class Jamileh Parker, 47th OSS/OSW, Laughlin AFB, Texas, to Airman 1st Class Steven T. Delcambre  
Airman Amanda K. Hailey, 47th OSS/OSW, Laughlin AFB, Texas, to George Glynn  
Airman Shannon D. Kuszajewski, 15th ASOS, Hunter AAF, Ga., to Lance Cpl. William Kuszajewski, MCAS, Yuma, Ariz.  
Airman Margaret "Marnie" Cash and Airman 1st Class Matthew Mazzaello, 18th OSS/OSW, Kadena AFB, Japan  
Staff Sgt. Thomas J. Keenan, HQ AMC TACC/XOW, Scott AFB, Ill., and Angela Carol  
Master Sgt. Christopher L. Fletcher, HQ AMC TACC/XOW, Scott AFB, Ill., and Young Oak

## BIRTHS

Jeremy Wilfred Jodoin — to Tech. Sgt. Kathy and Gunnery Sgt. Bob Jodoin, 18th OSS/OSW, Kadena AFB, Japan  
Talon Christopher Torres — to Staff Sgt. Paul and Tina Torres, 18th OSS/OSW, Kadena AFB, Japan  
Andrew Burlie Baker — to Senior Airman Shawn and Robyn Baker, 354th OSS/OSW, Eielson AFB, Alaska  
Nicholas Fox — to Staff Sgt. and Maria Duncan Fox, HQ AFGWC, Offutt AFB, Neb.  
Isaac William Wright — to Capt. Charles and Anna Wright, HQ AFGWC, Offutt AFB, Neb.  
Ellen Rachel Diorio — to Tech. Sgt. John and Marcia Diorio, HQ AFGWC, Offutt AFB, Neb.  
Taylor Danielle Clark — to Airman 1st Class Spencer and Christy Clark, 57th OSS/OSW, Nellis AFB, Nev.

## MISCELLANEOUS

*Member of Air Force Association's Best Space Operations Crew, 1995*  
Capt. John S. Shattuck, 30th WS, Vandenberg AFB, Calif.  
*Certified as Weather Observer*  
Airman 1st Class Larry Stevens, 4th OSS/OSW, Seymour Johnson AFB, N.C.  
*Outstanding Performers during Kadena AB, Japan ORI*  
Capt. Don Shannon, 353rd OSS/WX, Kadena AB, Japan  
Staff Sgt. Larry Jones, 353rd OSS/WX, Kadena AB, Japan  
Staff Sgt. Kevin Bourne, 353rd OSS/WX, Kadena AB, Japan  
*Outstanding Olympic Staff Support Award*  
Tech. Sgt. Rudy B. Tingelhoff, 2nd WF/WXF, Fort McPherson, Ga.  
Tech. Sgt. Keith E. Wagner, 2nd WF/WXF, Fort McPherson, Ga.  
Staff Sgt. James D. Anderson, 2nd WF/WXF, Fort McPherson, Ga.

# AFW



"Choose The Weather For Battle"

# VISION

**The Warfighter's Choice For  
Aerospace Weather  
Information On Demand For  
Global Reach, Global  
Power, Global Awareness;  
Providing The Knowledge  
Needed To Own The Weather**