



The Magazine For Air Force Weather
OBSERVER

January 1995
Issue

Inaugural

Inside Air Force Weather

Where We've Gone Since 1991



Air Force Vision

*Air Force people
building the world's
most respected air
and space force...
global power and
reach for America*

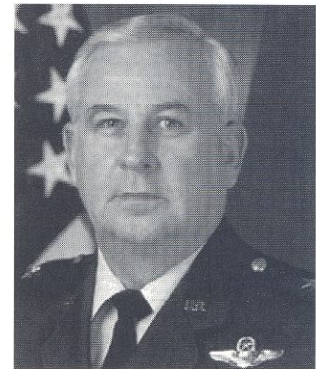
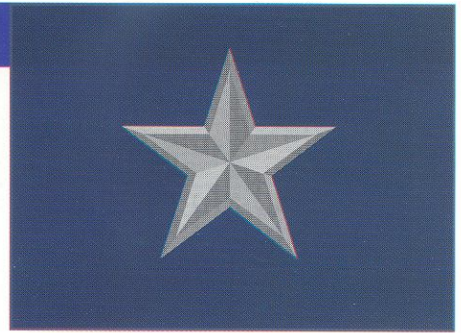


AWS Vision

*Total Force
Professionals
Arming America's
Combat Forces
with the Winning
Edge — The
World's Best
Military Weather
Capability*

Perspectives From The Top

Brig. Gen. Thomas J. Lennon
Air Force Director of Weather



Welcome to the New Observer! We've chosen to reshape this publication with a new magazine format -- a new look to accomplish several important new objectives.

First, and foremost, is to open communication channels throughout Air Force weather from the top down and the bottom up, to bring the Weather community in touch with what is going on in each command, at Air Weather Service, and here on the Air Staff.

Second, is to produce a premiere periodical which includes articles and information covering all aspects of military meteorology and Air Force Weather -- a magazine we can all point to with pride.

The last is to provide a forum for all weather warriors, and those with a vested interest in military meteorology, to ask questions, exchange ideas, and stay current in the operational science. I believe we're off to a great start with this first edition, but we'll need your inputs to make it even better and more responsive to your needs in the coming months.

To kick things off, here's my vision for Air Force Weather. It is a vision that I believe you share with me. First, we are all

warfighters. The guiding principles of warfighting -- Know Yourself, Know the Enemy, Know the Environment, Know the Weather, and Have the Courage to Exploit this Knowledge -- dictate that Air Force Weather be integrated into the complete range of warfighter actions, from the individual to the strategic decision level.

Perhaps General Hap Arnold best summed up our warfighting role -- "Weather is the essence of successful air operations."

Today, each of you applies your expertise toward not only air operations, but space and ground operations as well. You make knowledge of the weather, throughout the seamless aerospace medium, the force multiplier that will give us the winning edge over our adversaries.

Air Force Weather succeeds as a force multiplier only with high quality professionals, properly trained and equipped.

As Air Force Director of Weather, my staff and I are dedicated to getting the weather warfighter the right training and equipment needed to do the job. It is not a mistake that people are foremost in this list of priorities and equipment is last. The term

"people" is all-inclusive, and applies equally to everyone who makes up Air Force Weather: computer programmers, communicators, members of the reserve and guard, and Air Force civilians, in addition to those with weather AFSCs. All members of the Air Force Weather team have an equal opportunity to contribute to its success and advance professionally.

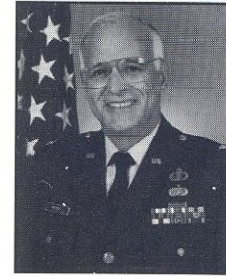
As a team, we must strive for continuous improvement to keep the winning edge. Each of us must aspire to achieve our personal and professional best in what we do, everyday. Be creative, exploit technology, seek out opportunities, be ready, and stay ready. Inspire others with your enthusiasm -- it can be contagious.

With your wholehearted commitment to our shared vision, I'm convinced that Air Force Weather will continue to live up to its proud tradition -- providing the "winning edge" for our military forces worldwide.



Command Line

Col. Frank J. Misciasci Jr.
Air Weather Service
Commander



Changes

You Wanted It; Here It Is

Happy New Year and welcome to the “New OBSERVER”. Over the past several months, many talented people have been hard at work throughout Air Weather Service to design and produce our new format. Well, here it is.

This new format was developed with you in mind. Our goal is to make it a conduit for the entire weather family to abreast of the Air Force Weather issues — where we’ve been, where we’re going and how we’re going to get there.

Since the reorganization in 1991, many of you have told us you feel out of touch with current weather issues. In fact, some thought that Air Weather Service itself had gone away. Well, we didn’t, and we corporately

pledge to keep you informed of what’s up with the people, programs, plans and new capabilities which are coming your way.

Now, keeping this magazine interesting will take the help of all who support Air Force Weather. We need for you to tell us what it is you like, or dislike about the OBSERVER; what it is that you want to read about.

One of the changes we’ll institute is a direct dialog between our readers and the senior leadership at the Air Staff, AWS and the major commands. We solicit any questions you have on topics relating to the weather career. Let’s hear from you!

Now, I’d like to take the time to say good-bye to TSgt. Bill Rhodes, who’s headed for Osan, AB, South Korea.

Bill is the creative genius behind our new OBSERVER. For the last year he’s been gearing up for this change in formats; and for my money, he is the best public affairs NCO in the Air Force! Without his talent we wouldn’t have succeeded. We’re looking forward to Bill’s return to AWS after he buys out all the souvenirs, leisure suits, and jogging shoes in Korea.

As we go to press, we’ve had some outstanding news. The Chief of Staff of the Air Force has approved the establishment of our Combat Weather Center at Hurlburt Field in Florida! Watch the February OBSERVER for more details.

Again — let us hear from you. This is your magazine — we want it to serve your needs.



Headquarters Air Weather Service

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or DSN 576-3350 ext 334 for more in-
formation about this publication.

FOCUS

Putting this first magazine together was not easy. In early 1993, Col. George L. Frederick Jr., then the AWS commander, decided to set the wheels in motion for the change of the *OBSERVER* from a



tabloid to a magazine. Over the next year, Air Weather Service purchased the required equipment. In 1994, Brig. Gen. Thomas J. Lennon, Air Force Director of Weather directed AWS to proceed with the magazine.

The idea was to make the new magazine a forum where the "weather family" could turn to for news on their careers and for technical information in forecasting. To make this dream come true, Col. Jack Hayes, AWS vice commander, created the integrated product team to map out the first and future editions of the Observer Magazine. Pictured above are five of the six member team. SSgt. Steven Elliott, the new AWS chief of public affairs; 2nd Lt. Sara Terison, representing the Systems and Communications Directorate (SY), Capt. Brian Bietter, representing the United States Air Force Environmental Technical Applications Center; 2nd Lt. Jahna Schadt, also representing SY, and Capt. John Pino. Not pictured are MSgt. Mike Spaulding and TSgt. William Rhodes. Pino, a manager for Future, Centralized Weather Projects with the Technology, Plans and Programs Directorate (XO), is the lead officer for the IPT and recently transferred to AWS from the Air Force Special Operations Command.

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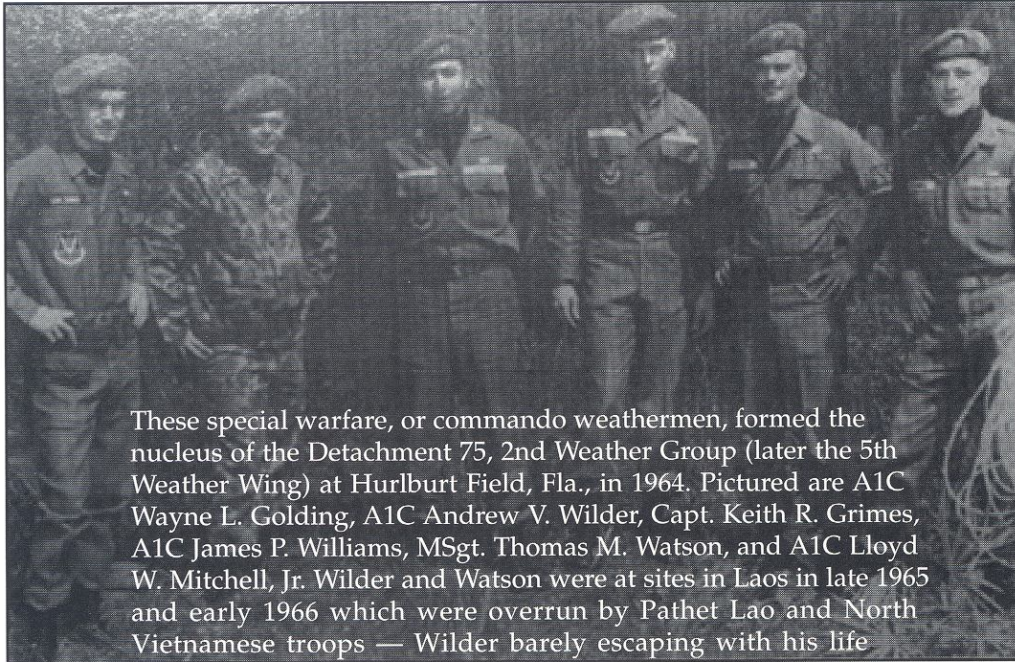
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Weather Heritage



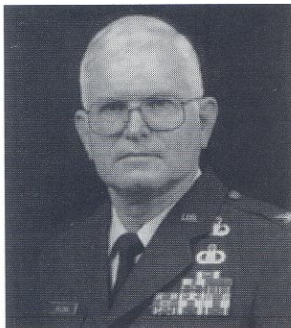
These special warfare, or commando weathermen, formed the nucleus of the Detachment 75, 2nd Weather Group (later the 5th Weather Wing) at Hurlburt Field, Fla., in 1964. Pictured are A1C Wayne L. Golding, A1C Andrew V. Wilder, Capt. Keith R. Grimes, A1C James P. Williams, MSgt. Thomas M. Watson, and A1C Lloyd W. Mitchell, Jr. Wilder and Watson were at sites in Laos in late 1965 and early 1966 which were overrun by Pathet Lao and North Vietnamese troops — Wilder barely escaping with his life

conditions without diplomatic protection.

On Nov. 20-21, 1970, a small U.S. force led a daring night raid on the prisoner of war camp at Son Tay, North Vietnam. The date for the raid was largely determined by Air Weather Service climatological study and forecasts provided by Grime's weather team. The overall raid commander later wrote "as far as tactical considerations were concerned, weather was probably the most critical factor."

AWS special warfare weathermen remained

A unique aspect of Air Weather Service's mission involved deployment of some commando weathermen to Thailand in early 1965 where they trained Laotians as forward weather observers for use in developing a limited weather observing net in Laos to support air operations during the Vietnam War.



The team primarily consisted of members from the 2nd Weather Group, 5th Weather Wing, Detachment 75, at Hurlburt Field, Fla., lead by Capt. Keith R. Grimes. Later that year, Grimes' men entered Laos and operated in an atmosphere they described as "super secret, cloak and dagger." They functioned not only as weathermen and advisors, but as forward air controllers, intelligence gatherers, and fighters. Posing as civilians with varying cover stories and carrying only a civilian identification card, they labored under the most hazardous

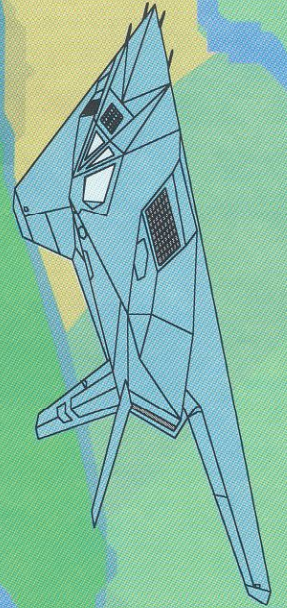
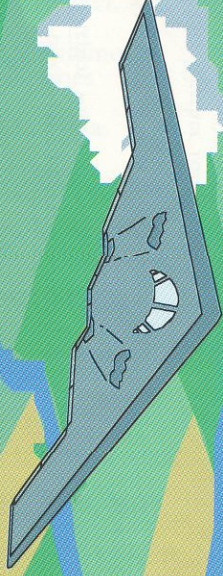
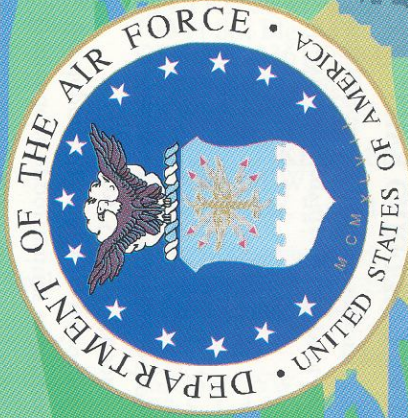
in Laos nearly continuously until the conflict's end keeping the vital weather-observing net functioning.

Although not involved in the Son Tay raid, one initial member of this "commando-style" weather unit was A1C Wayne L. Golding. Golding advanced to the rank of Staff Sergeant before he was commissioned through Officer Training School (OTS) in March 1971.

Today, Colonel Golding is Chief, Environmental Services for the United States Special Operations Command, headquartered at MacDill AFB, Fla., where he's responsible for providing, arranging, or monitoring meteorological and oceanographic support to special operations forces worldwide.

After more than 36 years in the Air Force, Golding is due to retire in March.

Air Force Weather



**"WEATHER IS THE
ESSENCE OF ALL
AIR OPERATIONS"**

GENERAL "HAP" ARNOLD

Operations

Air Force Support

- ✓ Wing Weather Officer
 - ☛ Supporting fighter, bomber and airlift wings worldwide
- ✓ Force Enhancer—Cutting edge of Air Operations and Force Employment
 - ☛ Integral part of the combat team
 - ☛ Expert in weather and impacts on weapons and mission
 - ☛ Part of the team that plans and executes Air Ops
 - ☛ Work: live and deploy with your wing

Army Support

- ✓ Officer In Charge, Cadre Weather Team
- ✓ Critical member of Division or Corps Commander's staff
 - ☛ Expert in unit mission and weather sensitivities
 - ☛ Play critical role in planning and executing combat ops
- ✓ Combat trained and mission ready
- ✓ Deploy with your unit—Move as part of the combat forces on the battlefield

Special Operations Support

- ✓ Special Operations Weather Team, Parachute-qualified Special Forces, Rangers
 - ☛ Where the action is!
- ✓ Key member of the special ops commander's staff
 - ☛ Advises strategy and tactics best suited for forecast weather
- ✓ Combat trained and ready to go at a moment's notice
 - ☛ Airborne, jumpmaster, night navigator, marksman and field operations
- ✓ Deploys as part of the SpecOps team
 - ☛ Part of the action—from initial planning to actual airborne or airlift maneuvers

Growth

Air Force Institute of Technology

- ✓ Outstanding opportunities for obtaining advanced academic degrees
 - ☛ 40 Master of Science slots per year
 - ☛ 2 Doctorate slots per year
- ✓ Obtained through Civilian Institutions
 - ☛ Texas A&M, North Carolina State, Penn State, Colorado State and many others
- ✓ Wide range of specialties: Radar, Physical, and Dynamic meteorology; Space Ops; Computer Science; and many others

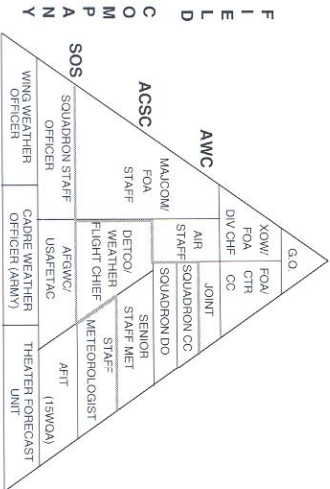
Professional Military Education

- ✓ Tremendous opportunities to further professional development through In-Residence attendance.
 - ☛ Squadron Officer School
 - ☛ Intermediate Service School
 - ☛ Senior Service School

Promotion

- ✓ AF Weather provides a variety of challenging, yet unique, career paths to senior rank

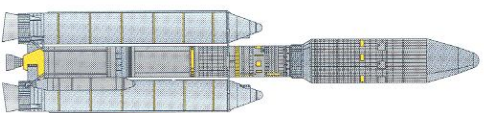
15WX CAREER PYRAMID



Career Broadening Opportunities

The weather career field opens up an unlimited horizon of opportunities for career broadening, to include:

- Flying Operations
- Space Operations
- Air Base Operations
- Space and Missile Launch
- Acquisition
- Weapons Research and Development
- Wargaming and Simulation
- Comm-Computer Systems
- ROTC, USAFA, SOS, ISS Instructors



Officer Opportunities

Capt Tim Hutchison
Air Weather Service
Chief of Personnel



The Air Force weather officer career field is an exciting one with tremendous opportunities. This column is designed to augment the officer career information made available through the Air Force Military Personnel Center, your supervisors and your senior leaders.

In this magazine, you've probably already found the Air Force Weather careers brochure, which provides a high-level synopsis of an officer's career and the many opportunities available. Each month, this column will address a different topic. This month, let's look at the initial assignment in Air Force Weather.

The Air Force accesses weather officers through several means: USAF Reserve Officer Training Corps (ROTC), the Airman Edu-

cation and Training Program (AECPT), Officer Training School (for individuals holding an

undergraduate degree in Atmospheric Science), and through the Meteorology track at the USAF Academy.

If you're a newly accessed weather officer, you are most likely assigned to a base weather station where you support either Air Force or Army operations.

Initially, the primary focus should be to learn the mission of your customer and how to tailor a forecast for military operations. Once trained as a forecaster, you become one of the following: a Wing Weather Officer (WFO), if supporting the Air Force; an Officer in Charge of a Cadre Weather Team, if supporting the Army; a member of a Special Operations Weather Team, if supporting Special Operations; or as a forecaster at a weather forecast unit.

What should be your focus?

THE OPERATIONAL CUSTOMERS! Learn their combat missions, understand the weapon systems they employ, how weather affects them and how to forecast the weather most critical to the warfighter you support.

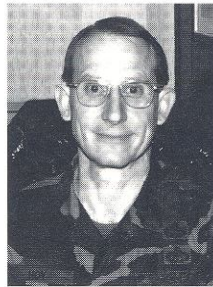
You are an integral part of the operational team—that's why the Air Staff put the weather specialty in the 1XXX AFSC series. Take up the challenge—visit your customers, study their op plans, and get to know the other members of your combat team!

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 call you back.

My address is: Capt Tim Hutchison, HQ Air Weather Service, Chief of Personnel (AWS/RMP), 102 West Losey St, Room 105, Scott AFB IL 62225-5206 or DSN 576-4895, ext 344. You can also contact me through my electronic mail address at "Hutch@hqaws.safb.af.mil".

Enlisted Opportunities

CMSgt. Jim Hoy
Superintendent of Weather



The Air Force weather enlisted career field is an exciting one with tremendous opportunities. This column is designed to augment enlisted career information made available through the Air Force Military Personnel Center, your supervisors and your senior leaders. Each month, this column will address a different topic. This month, let's focus on the pipelines into your first assignment.

With the Air Force Chief of Staff's Year of Training initiatives and the Air Force Weather's "single" schoolhouse, dramatic changes are occurring in the enlisted weather career field.

In March, 1993, the senior noncommissioned officers of Air Force weather drafted the

specialty training standard that directed the change to the "single" schoolhouse. where the AF needs you.

The new Weather Initial Skills Course (ISC) begins in March 1995.

In January 1996, the ISC will graduate a different student than in the past, one that is educated in both observing and forecasting the weather.

The Air Force Weather Career Field Education and Training Plan directs that you, as a 3-level graduate of the ISC, must be assigned to a unit which can train you in the "core" tasks of a weather enlisted member. These include such tasks as taking an observation, issuing a forecast, and briefing an aircrew, just to name a few. Initially, you can expect to be assigned to either a stateside or overseas base weather station, supporting either Air Force or Army operations.

Your specific assignment depends, most importantly, on

As a first assignment, you won't be assigned to any of the AF weather centers, short tour overseas units or headquarters units, since at this stage of your career, it is absolutely critical that you, as a new member of the AF weather team, learn the "core" weather tasks.

Your primary focus in this initial assignment is to further develop the observing and forecasting skills you learned in the ISC. Some exciting and challenging times are ahead as we integrate the new ISC program into AF weather operations.

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 call you back. Chief Master Sergeant Jim Hoy, HQ USAF/XOW, 1490 Air Force Pentagon, Washington DC 20330-1490 or DSN 224-7410.

Air Weather Service

What is it, “who cares?”

▼ Provides centralized weather and space environmental services to the Air Force, Army, Joint Staff, designated unified and specified commands, and other agencies as required

▼ Ensures standardization of procedures and interoperability of Air Force Weather

▼ Assess the technical performance and effectiveness of weather services provided by Air Force Weather

▼ Provides technical advice and help to all agencies supported by Air Force Weather

▼ Fields and sustains weather systems for the Air Force and Army



“In this age of rapid deployments to contingencies and for relief efforts, Air Weather Service is committed to providing the weather forces the best in manpower and equipment to meet the needs of every warfighting commander.”

**Col. Frank J. Misciasci Jr.
Commander, Air Weather Service**

*Military
commanders
depend on
accurate
weather
information
to plan and
direct their
operations.
Air Force
weather
personnel
provide*

Story by TSgt. William M. Rhodes

Air Weather Service Public Affairs

information on the past, present and future states of the air and space environments within which weapon systems and their supporting infrastructure operate.

In recent years, the technological advances in observing and forecasting methods have increased the capability and accuracy by military meteorologists.

Weather has been and is an integral part of combat operations. Weather exerts a constant influence on the readiness, morale, and effectiveness of military forces, the choice of military strategy and tactics, and the performance and useful life of military weapons systems. It is this military use of weather that separates the television weather person from the military one. Today's post-cold war military is called upon to provide its services anywhere and at any moment. Only one organization has a goal of making sure Air Force weather personnel have the best capability to support U.S. Army and Air Force commanders — Air Weather Service.

"In this age of rapid deployments to contingencies and for relief efforts, Air Weather Service is committed to providing the weather forces the best in manpower and equipment to meet the needs of every warfighting commander," states Col. Frank J. Misciasci Jr., AWS commander.

When Misciasci took over in mid-1993, the Air Force Weather structure was into its second year of reorganization. Prior to April, 1991, AWS owned every Air Force weather station worldwide.

With his "One-Base, One-Boss" initiative,

former Air Force Chief of Staff, Gen. Merrill A. McPeak, gave ownership of base weather functions to the owning command (*see ACC page 20*).

Formerly assigned under the then Military Airlift Command, AWS is now a Field Operating Agency which reports directly to the Air Force Directorate of Weather, Office of the Vice Chief of Staff for Plans and Operations (AF/XOW). That position is currently held by Brig. Gen. Thomas J. Lennon, who is no stranger to either weather or air combat.

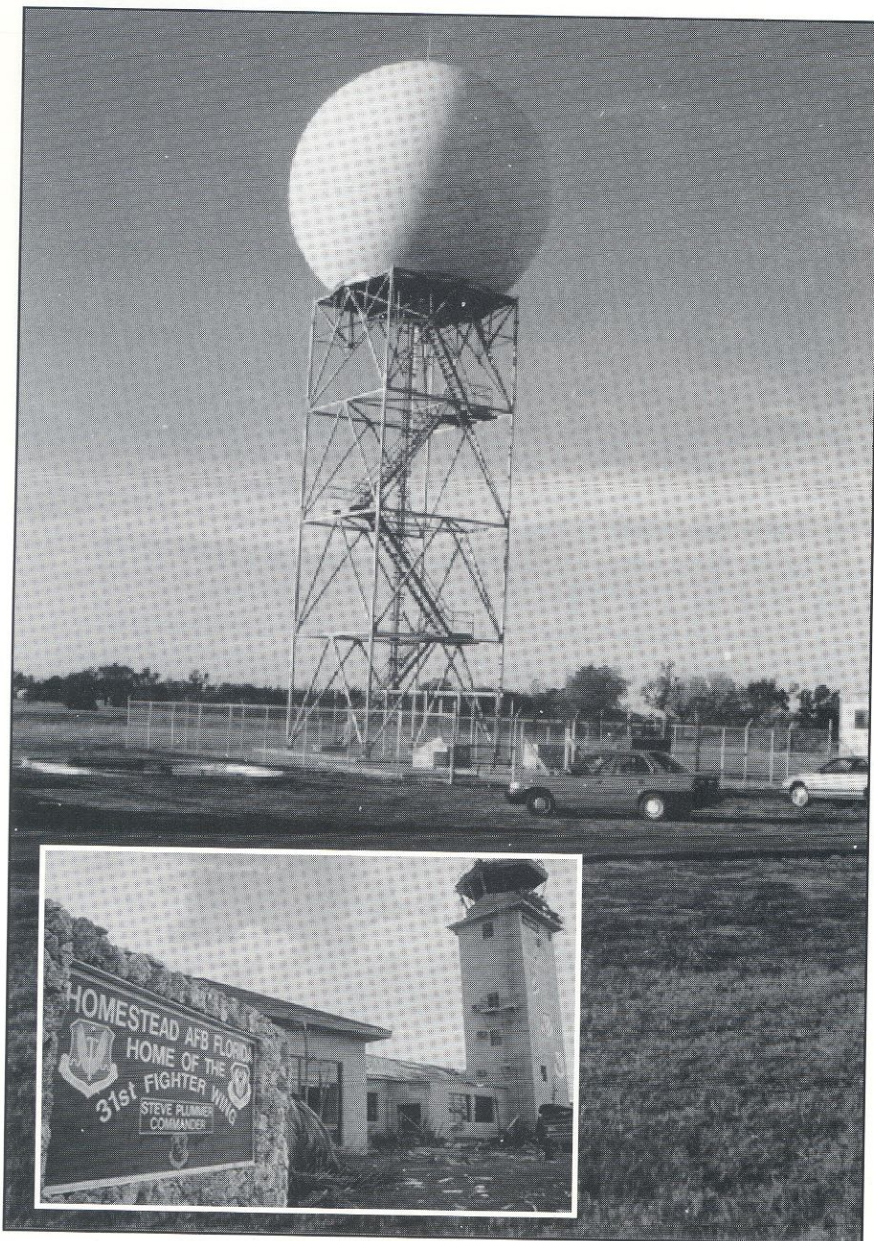
From August 1990 to March 1991, Lennon led the 48th Tactical Fighter Wing, RAF Lakenheath, England, on its deployment to Taif, Saudi Arabia, for Operations DESERT SHIELD and DESERT STORM.

That wing included 66 F-111F aircraft from the 48th TFW and 20 EF-111A aircraft from Mountain Home AFB, Idaho and RAF Upper Heyford, England. More than 3,000 people representing 243 units from 74 bases were assigned to the wing. The general has 409 combat missions under his belt during three combat tours.

"My challenge is to continue to improve our focus as a force multiplier for combat operations. And that doesn't only mean in wartime, but in peacetime also," says Lennon.

"You must train as you fight. We in the Air Force need to learn how to use the weather and to be able to operate across all spectrums of weather conditions at all

New Technology



Air Weather Service played a major role in the development and procurement of the Next Generation Radar system to base weather stations. This technology detects severe weather better than ever before and gives commanders more time in making critical decisions for base resource protection.

OBSERVER

levels of operations from tactical to operational to strategic levels of operations.”

To accomplish this mission, the AF/XOW fields specific technology, training and equipment requests from the major command directors of weather. Those requests are then sent to AWS, which researches and designs programs consistent with the MAJCOM's needs.

To do this, AWS has two directorates and an equal number of satellite units providing current and long range plans and day-to-day mission requirements.

The Air Force Global Weather Central at Offutt AFB, Neb., maintains a weather database and applies it in real-time to satisfy worldwide requirements of Air Force combat forces, the National Command Authorities, Department of Defense, and multi-billion-dollar sensitive National Programs controlled by the Secretary of the Air Force (*see AFGWC, page 24*).

The United States Environmental Technical Applications Center at Scott AFB, Ill., collects, saves, and applies weather data to generate environmental products in support of worldwide operations of the Air Force, Army, and other DOD and U.S. Government agencies.

(*see USAFETAC, page 25*)

Inside AWS, the Technology, Plans and Programs Directorate (XO) along with the Systems and Communications Directorate (SY) makes up the bulk of the FOA's functional area.

The XO develops the initial

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The Headquarters Air Weather Service, Directorate of Technology, Plans, and Programs (AWS/XO) is composed of the recently merged Operations and Technology Directorates. We're here to serve Air Force Weather — while names have changed, the fundamental jobs performed regarding operations and technology actions and issues have not. As in the past, we occupy the second floor of AWS and we continue to provide direct service across AFW.

Our job spans every facet of AWS programs — gathering requirements to field and sustain systems, meeting training needs, assisting field units to apply technical expertise to tailor products and services to meet a wide-range of customer needs, and ensuring centralized and climatological products and services are provided worldwide — that, and much much more. To accomplish this, XO is organized into five divisions: Requirements, Operations and Standardization, Technology Plans, Technology Training, and Special Projects.

In our Requirements Division (XOR) we conduct long range studies and analyses to identify future needs of the weather functional area, plan and develop, or acquire training to meet those needs; and manage requirements for initial and continuation training across the career field. XOR works in concert with the major commands during initial phases of program and training development.

Even though "operations" no longer
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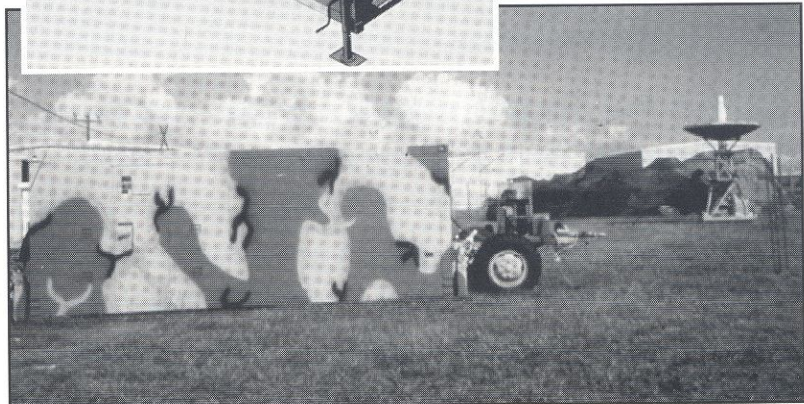
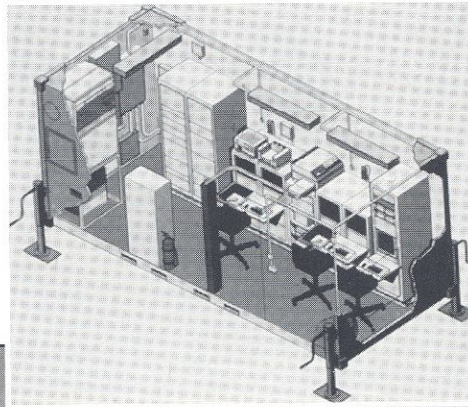
XO Functional Areas

- XOO — Operations and Standardization Division**
XOOM: Contingency Branch — contingency and exercise planning
XOOO: Centralized Operations Branch — centralized weather services
XOOS: Weather Standardization Branch — standardized weather procedures
XOR — Requirements Division
XORR: Future Weather Plans and Programs Branch — new AFW programs
XORT: Training Requirements Branch — training requirements for new systems

- XOS — Special Projects Division**
XOSP: Special Support Branch — SCI and SAR requirements
XOSS: Security Branch — individual security program
XOT — Technology Training Division
XOTS: Field Support Branch — direct technical assistance to weather units
XOTT: Weather Unit Techniques Branch — exploits technology and techniques
XOX — Technology Plans Division
XOXA: Analysis and Evaluation Branch — performs performance assessments
XOXP: Programs Plans Branch — conducts modernization planning
XOXT: Product Improvement Branch — technology infusion in new acquisitions

Mission

Plan, program and identify the best technology available to put into Air Force Weather equipment acquisition programs. Ensure AFW people have the right mix of initial and recurring training to meet customers' current and future deployed and in-garrison weather product needs.





The Systems and Communications Directorate (SY) is a team of talented experts whose charter is to develop, acquire, and sustain those weather and ground based space environment systems that you need to do your job. We are what you may remember as the old Program Management and Integration and Communications Directorates.

When we combined directorates a few months ago, we realized a tremendous amount of synergy from our people and forged a significantly improved approach to managing AF weather systems. Our focus is on the entire weather support system, from the myriad of computers at the Air Force Global Weather Central, 50th Weather Squadron (formerly the Air Force Space Forecast Center), and the United States Air Force Environmental Technical Applications Center, through the worldwide weather communications networks, to the base weather stations and weather sensors on the runway.

Within our directorate, we have a combination of meteorologists, computer and communications specialists, acquisition professionals, engineers, logisticians, equipment specialists, meteorological-navigation and weather radar maintenance technicians, and operational testing and evaluation experts working to operational needs.

We are the Air Force's lead command for weather systems. We not only acquire weather systems such as the Next Generation Radar

(NEXRAD) and the Automated Weather Distribution System (AWDS), but are involved in the allied support, engineering and installation, configuration management, integration, modification, and improvement, supply and logistics support, and field testing of weather systems.

To do our job, SY is organized into

SY Functional Areas and Major Programs

SYA - COMPUTER SYSTEMS DIVISION

SYAA: — AFGWC, USAFETAC, and 50th WS systems acquisition

SYAL: — computer systems, models and applications

SYAP: — computer hardware and software standardization and policy

SYAS: — systems contract support and services

SYD - Standard Systems Division

SYDC: Combat Weather Systems Branch — tactical meteorological equipment and EOTDAs

SYDF: Base Weather Systems Branch — airfield forecasting and observing sensor systems

SYDR: Weather Radar Systems Branch — fixed base and deployable weather radars

SYDS: Weather Satellite and Space Systems Branch — weather satellite and ground-based space environmental sensors

SYK - Communication Systems Division

SYKA: Architecture Branch — data administration, software engineering, software improvement programs

SYKC: Contingency Communications Branch — worldwide communication support

SYKI: Integration and Interoperability Branch — commercial weather communications systems

SYKS: Communications Security Branch — C4 systems security, accountability, and support

SYX - Program Control Division

SYXE: — Modification Programs and E&I Management

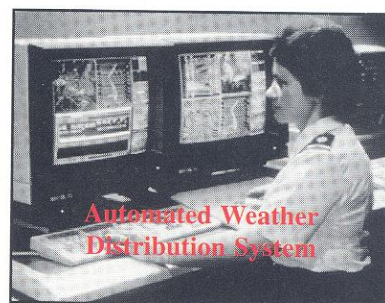
SYXL: — Logistics and Configuration Management Branch

SYXP: — Acquisition Policy and Resource Management Branch

SYXT: — Test and Evaluation Management Branch

Mission

Provide standard systems management for USAF meteorological equipment, weather center computer hardware and software, and long-haul communications.



four divisions: the Computer Systems Division, the Standard Systems Division, the Communications Systems Division, and the Program Control Division. The Computer Systems Division (SYA) manages acquisition and support of AFGWC, USAFETAC, and 50th WS computer systems. Those essential systems

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Clearing the ~~noise~~

About benchmarking, competitive comparison

by John J. Bartrum
HQ AWS Quality Advisor

I've noticed a lot of confusion between the terms "benchmarking" and "competitive comparison."

Simply put, benchmarking refers to a formal process of comparing your processes and practices against best-in-class companies, top competitors or best practices.

"It's the continuous process of measuring our products, services and practices against our toughest competitors or companies renowned as leaders," according to David

T. Kerns, former chairman of Xerox Corp.

"It means finding the best practices, and then improving, modifying and implementing them in your organization."

Dr. Robert Camp, a world-renowned leader on benchmarking, describes four basic types of benchmarking: *internal, competitive, functional and generic process benchmarking.*

INTERNAL BENCHMARKING

Internal benchmarking relates to comparing similar

processes within an organization.

For example, the comparison of how your directorate process leave requests to other directorates within your organization and implementing best practices.

COMPETITIVE BENCHMARKING

Competitive benchmarking involves comparing similar processes with your competitors to improve your organization.

For example, a paper supplier compares its distribution system to its competitors.

FUNCTIONAL BENCHMARKING

Functional benchmarking involves comparing processes of like functions.

An example would be an organization comparing its acquisition process to that of other organizations.

Benchmarking refers to a formal process of comparing your processes and practices against best-in-class companies, top competitors or best practices.

Competitive comparison is comparing your unit to units which are about the same size and do similar things and seeing how your results compare to theirs.

GENERIC PROCESS BENCHMARKING

Generic process benchmarking involves an organization comparing a generic business process to an organization that is considered "world class" in that process. For example, a copier company would

compare it's delivery process to a mail order catalog company.

COMPETITIVE COMPARISON

Competitive comparison is comparing your unit to units which are about the same size and do similar things and seeing how your results compare to theirs.

For example, an organization of 150 personnel compares its safety record to another similar organization or to the Air Force average.

(For more information about benchmarking or competitive comparison, read Camp's book "Benchmarking" or call me at DSN 576-5654, ext. 493.)

HQ AWS creates Quality Council



The senior leaders of Headquarters Air Weather Service (CC, CV, RM, SY, XO, and CCW) officially chartered the HQ AWS Quality Council Dec. 12, 1994. The purpose of this council is to provide direction and a focus towards the integration of Quality Air Force principles and practices within the HQ AWS. The council will consist of the following individuals:

OBSERVER

Voting Members

AWS/CV, HQ AWS enlisted advisor, SY, XO, RM, HQ AWS Company Grade Officer of the Year, Senior NCO of the Year, NCO of the Year, Airman of the Year, and Civilian of the Year.

Non-Voting Members

RMX (Facilitator).

The HQ AWS Quality Council will charter two types of teams.

Integrated Product Team (IPT): A group of individuals selected and chartered by the senior leaders of the organization to work a high priority area for improvement.

The team will create a game plan to attack the area for improvement. Their recommendations require senior leader review of the initial recommendations and quarterly reviews to senior leaders on the status of the group's actions.

Process Action Team (PAT): A group of individuals who are knowledgeable in the selected process

and chartered by the quality council or a senior leader to analyze and improve a target process.

At the last meeting the council chartered 3 teams: 2 IPT's and 1 PAT. Each of the IPTs were developed as a direct result of the HQ AWS Unit Self-Assessment performed this past summer. One IPT, led by HQ AWS comander Col. Frank J. Misciasci, Jr., will work on senior executive leadership's approach and deployment of quality throughout the organization.

The other IPT will focus on improving customer satisfaction and will be led by Lt. Col. Mazurowski with HQ AWS Vice Commander Col. Jack Hayes as the team mentor. The PAT will examine the AWS awards program and be led by Maj. Bert Cordeiro, deputy resource manager, with Lt. Col. Steve Carroll, the RM, as team mentor.

If you have any questions or comments please feel free to contact John Bartrum at DSN 576-5654, ext 493.



Meritorious Service Medal



Maj. Bruce D. Flaig, Headquarters Electronic Systems Center, Hanscom AFB, Mass.
 Lt. Col. Kenneth F. Smith, Headquarters Air Force Global Weather Central, Offutt AFB, Neb.
 Maj. Donald L. Wilson, HQ AFGWC, Offutt AFB, Neb.
 Maj. Beverly J. Baker, HQ AFGWC, Offutt AFB, Neb.
 Capt. Robert C. Allen, Jr., HQ AFGWC, Offutt AFB, Neb.
 CMSgt. James E. Rockwood, HQ AFGWC, Offutt AFB, Neb.
 MSgt. Walter L. Coley, Jr., HQ AFGWC, Offutt AFB, Neb.
 Lt. Col. Robert Cataneo, 113rd WF, ANG
 Lt. Col. Charles E. Houghton, 140th WF, ANG (1st Oak Leaf Cluster)
 Lt. Col. Larry A. Kumata, 199th WF, ANG
 MSgt. Douglas Greenwell, 113rd WF, ANG

Air Force Commendation Medal



Capt. Michael K. Guinn, 52nd Operations Support Squadron, Spangdahlem AB, Germany
 TSgt. Vincent S. Huebner, 52nd OSS, Spangdahlem AB, Germany
 Capt. Spencer R. Chapman, HQ ESC, Hanscom AFB, Mass.
 MSgt. Tara R. Carty, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Michael H. Dollinger, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Kenneth P. Fletcher, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Kenneth P. Geary, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Ann M. Luteran, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Jeffrey W. Norrod, HQ AFGWC, Offutt AFB, Neb.
 SrA. Jerry M. Haynes III, HQ AFGWC, Offutt AFB, Neb.
 A1C Selvan G. Snow, Jr., HQ AFGWC, Offutt AFB, Neb.
 2nd Lt. Anthony F. Shea, Jr., HQ AFGWC, Offutt AFB, Neb.
 MSgt. Harry N. Kinard, Jr., Det. 7, HQ AFGWC, Tinker AFB, Okla.
 MSgt. Dennis A. Mitchell, HQ AFGWC, Offutt AFB, Neb.
 MSgt. Gordon F. Potts, Det. 7, HQ AFGWC, Tinker AFB, Okla.
 TSgt. Paul A. Heinz, Det. 7, HQ AFGWC, Tinker AFB, Okla.
 TSgt. Robert J. Poulin, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Clarence R. Seale III, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Russell Tomlinson, Det. 7, HQ AFGWC, Tinker AFB, Okla.
 SrA. Lisa L. Wendt, HQ AFGWC, Offutt AFB, Neb.
 SMSgt. John R. Bamrick, 202nd WF, ANG
 TSgt. Tiffany E. Leighton, 202nd WF, ANG
 SSgt. Bryan D. O'Connell, 202nd WF, ANG

Army Commendation Medal

Capt. Kevin L. Witte, HQ ESC, Hanscom AFB, Mass.
 MSgt. Donald M. Gury, 104th WF, ANG
 MSgt. Charles S. Lake, 104th WF, ANG
 TSgt. Robert E. Haney, 104th WF, ANG
 TSgt. Michael H. Weir, Jr., 104th WF, ANG

Air Force Achievement Medal



1st Lt. Scott A. Fausch, HQ AFGWC, Offutt AFB, Neb.
 SrA. Charles Durdick, Det. 7, HQ AFGWC, Tinker AFB, Okla.
 SrA. Joy Eapen, Det. 7, HQ AFGWC, Tinker AFB, Okla.
 SrA. Bradley D. Stanislawski, HQ AFGWC, Offutt AFB, Neb.
 SrA. Michale P. Latimer, HQ AFGWC, Offutt AFB, Neb.
 SrA. Damon B. Wilson, HQ AFGWC, Offutt AFB, Neb.

Army Achievement Medal

1st Lt. Sean P. Monogue, 1st Weather Squadron, Fort Lewis AIN, Wash.
 SSgt. John D. Farriss, 1st WS, Fort Lewis AIN, Wash.
 Capt. Micheal DiVecchio, 104th WF, ANG
 1st Lt. David R. Helms, 104th WF, ANG
 SSgt. James P. Gary, Jr., 104th WF, ANG
 SSgt. Robert Gibert, 104th WF, ANG
 SSgt. Jeffrey J. Hoffman, 104th WF, ANG
 SSgt. Brian K. Israel, 104th WF, ANG

SSgt. Raymond R. Page, 104th WF, ANG
 Sgt. Robert K. Henry, Jr., 104th WF, ANG
 SrA. Marie E. Kulick, 104th WF, ANG
 SrA. Paul S. Thompson, 104th WF, ANG
 A1C Charles Wildberger, 104th WF, ANG

Air Force Good Conduct Medal



TSgt. John W. Walker, 1st WS, Fort Lewis AIN, Wash.
 SrA. Roy Leonard, 1st WS, Fort Lewis, Wash.
 SrA. Bride L. Farmstead, 1st WS, Fort Lewis, Wash.
 MSgt. Walter D. Wilkerson, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Ricky L. Avery, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Ralph F. Ley, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Clarence R. Scale, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Dale M. Hill, HQ AFGWC, Offutt AFB, Neb.
 SSgt. David L. Robbins, HQ AFGWC, Offutt AFB, Neb.
 SrA. Kristine A. Jordan, HQ AFGWC, Offutt AFB, Neb.
 SrA. David A. Penne, HQ AFGWC, Offutt AFB, Neb.
 SMSgt. Thomas O. Kinney, Jr., HQ AFGWC, Offutt AFB, Neb.
 MSgt. Thomas W. Halverson, HQ AFGWC, Offutt AFB, Neb.
 MSgt. Kenneth J. Harris, HQ AFGWC, Offutt AFB, Neb.
 MSgt. Charles L. Williams, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Joseph D. Daird, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Dale E. Bates, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Chaelse E. Carrier, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Edward D. Coleman, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Edward Czopkiewicz, HQ AFGWC, Offutt AFB, Neb.
 TSgt. John A. Diorio, HQ AFGWC, Offutt AFB, Neb.
 TSgt. Paul D. Pierce, HQ AFGWC, Offutt AFB, Neb.
 TSgt. David Rivers, Jr., HQ AFGWC, Offutt AFB, Neb.
 SSgt. Alice T. Brunette, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Michael N. Camp, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Paul D. Hauer, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Laura Jean Howard, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Stephen p. Humphrey, HQ AFGWC, Offutt AFB, Neb.
 SSgt. John F.J. Langhorne, HQ AFGWC, Offutt AFB, Neb.
 SSgt. Howard A. Westbrook, HQ AFGWC, Offutt AFB, Neb.
 SrA. Eric W. Angles, HQ AFGWC, Offutt AFB, Neb.
 SrA. Matthew L. Eisinger, HQ AFGWC, Offutt AFB, Neb.
 SrA. Michael S. May, HQ AFGWC, Offutt AFB, Neb.

Air Force Reserve Meritorious Service Medal



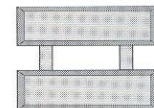
TSgt. David L. Tucker, 146th WF, ANG, Pittsburgh, Pa.
 SSgt. Warren F. Warren, 146th WF, ANG Pittsburgh, Pa.

Air Force Longevity Service Award



SrA. Jason D. Welsh, 146th WF, Pittsburgh, Pa.

Promotions



Wilson R. Dodge, 164th Weather Flight,
 David R. Helms, 104th WF, ANG
 Rick A. May, 164th WF, ANG
 Steven J. Rosenberg, 204th WF, ANG
 Stacy E. Vandemark, 123rd WF, ANG



Christopher T. Peck, 195th WF, ANG



Richard A. Blume, Det. 7, HQ AFGWC, Offutt AFB, Neb.
 Peter L. Gliński, HQ AFGWC, Offutt AFB, Neb.

Around The World



Vincent S. Huebner, 52nd OSS, Spangdahlem AB, Germany
 Ryan J. Marben, 126th WF, ANG
 Terry L. Barnes, HQ AFGWC, Offutt AFB, Neb.
 Mryna A. Ramirez, HQ AFGWC, Offutt AFB, Neb.



Mona K. Bonick, HQ AFGWC, Offutt AFB, Neb.
 Marc D. Heinrichs, HQ AFGWC, Offutt AFB, Neb.
 Jint D. Lauricella, HQ AFGWC, Offutt AFB, Neb.
 Jeffrey W. Norrod, HQ AFGWC, Offutt AFB, Neb.
 Steven E. Lehman, HQ AFGWC, Offutt AFB, Neb.
 Varol A. Mlynarek, HQ AFGWC, Offutt AFB, Neb.
 Eric D. Thoreson, HQ AFGWC, Offutt AFB, Neb.
 Leslie A. Kubena, 111th WF, ANG
 Eric A. Nau, 204th WF, ANG
 Howard D. Speer III, 156th WF, ANG



Lonnie A. Clute, 355th OSS, Davis-Monthan AFB, Ariz.
 Ryan L. Bratt, HQ AFGWC, Offutt AFB, Neb.
 Mark R. Anderson, Det. 7, HQ AFGWC, Tinker AFB, Okla.
 Eric W. Angles, HQ AFGWC, Offutt AFB, Neb.
 Patrick R. Ashley, Det. 7, HQ AFGWC, Tinker AFB, Okla.
 Matthew L. Eisinger, HQ AFGWC, Offutt AFB, Neb.
 Christina A. Wagner, 123rd WF, ANG



Leon H. Schendel, 126th WF, ANG
 Vincent A. Heath, HQ AFGWC, Offutt AFB, Neb.



Melanie Weger, 116th WF, ANG

Education

Master of Business Administration

Capt. Kevin L. Witte, HQ ESC, Hanscom AFB, Mass. (Western New England College)

Master of Arts in Economics

Capt. Doug M. Hanson, HQ AFGWC, Offutt AFB, Neb. (University of Oklahoma)

Bachelor of Technology in Management

MSgt. Deborah T. Steere (Peru State University)

CCAF Degree in Information Systems Management

SSgt. Anthony D. Gulbrandsen, HQ AFGWC, Offutt AFB, Neb.

CCAF Degree in Weather Technology

Sgt. Donald J. Pruden, HQ AFGWC, Offutt AFB, Neb.

NCO Academy

TSgt. Brenda S. Huebner, 52nd OSS, Spangdahlem AB, Germany
 TSgt. Vincent S. Huebner, 52nd OSS, Spangdahlem AB, Germany
 TSgt. Patrick J. Flieger, 52nd OSS, Spangdahlem AB, Germany
 TSgt. Dave A. Fincher, HQ AFGWC, Offutt Neb.
 SSgt. Cope D. Leuenberger, HQ AFGWC, Offutt AFB, Neb. (by correspondence)

Airman Leadership School

Sgt. Terry L. Rhodes, 1st WS, Fort Lewis AIN, Wash.

Communications Computer Systems Operator Course

Amn. John D. Wood, HQ AFGWC, Offutt AFB, Neb. (Honor Graduate)
 AB Daniel J. Stone, HQ AFGWC, Offutt AFB, Neb. (Honore Graduate)

Combat Survival School

TSgt. John W. Walker, 1st WS, Fort Lewis AIN, Wash.
 SrA. Bride L. Farmstead, 1st WS, Fort Lewis AIN, Wash.
 SrA. Matthew E. Field, 1st WS, Fort Lewis AIN, Wash.

Pararescue Initial Indoctrination

SrA. Kevin F. Baum, 1st WS, Fort Lewis AIN, Wash.

Retirements

Col. Stephen M. Horn, HQ AFGWC, Offutt AFB, Neb.
 Lt. Col. Charles E. Houghton, 140th WF, ANG
 Lt. Col. Larry A. Kumata, 199th WF, ANG

Separations

SSgt. David Rios, 355th OSS, Davis-Monthan AFB, Ariz.

Awards

CDC Pacesetter Award

SSgt. David L. Robbins, HQ AFGWC, Offutt AFB, Neb. (CDC 3C052)

Indiana Hoosier Hero Award

Lt. Col. Robert Cataneo, 113rd WF, ANG

North Carolina National Guard Commendation Medal

TSgt. Allan Cecil, 156th WF, ANG

Pennsylvania Gen. Thomas R. White, Jr., Medal

SSgt. Brian S. Michals, 146th WF, ANG, Pittsburgh, Pa.

National Guard Bureau Superior Performance Award

146th Weather Flight, ANG, Pittsburgh, Pa.

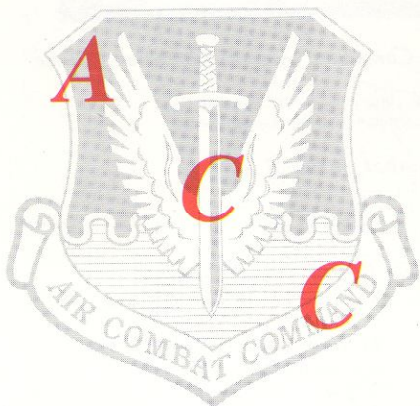
A Note From The Editor

The salutes pages is designed to highlight the accomplishments of every member of Air Force Weather -- active duty, reserve, national guard civil service and civilians. However, we cannot provide you with the quality of service you deserve if you don't help us.

When you send a submission for the Salutes pages, please include rank, first, last and middle initial of name, complete unit designation (for example, TSgt. John D. Doe, 123rd OSS, Somewhere AFB, USA; not TSgt. Doe, 123rd OSS).

For military or academic achievements, if you have a picture of yourself, send it in.

Once again, the Observer staff is looking forward to serving you with the best product. We can only achieve our goals with your help.



AirCombat Command

MISSION

Operates combat-coded fighter, bombers, tankers, and reconnaissance aircraft.

Organizes, trains, equips and maintains rapid-response, combat-ready forces.

Provides nuclear-capable forces for u.s. Strategic Command.

*Its purpose was to show communication could support the warfighter. The goal was to demonstrate a first-in capability to send data directly to deployed Command, Control, Communication, Computer, and Intelligence systems. The lead for the Joint Warrior Interoperability was weather...
ACC weather*



The JWID '94 is an annual Joints Chiefs of Staff-sponsored demonstration. What the Headquarters Air Combat Command Operations Directorate of Weather (ACC/DOW) wanted to do was use weather data with the C4I systems with the Air Force Concentrator and JWID Internet protocol networks and Langley's Reach Back satellite communications (SATCOM) station. The timeliness of the data reception was

measured to show how weather data can effectively use common user circuits instead of dedicated circuits. Ultimately, this will reduce the amount of band width, or transmission capability, weather data requires.

"We need to continue to move forward in integrating WX (weather) into standard communication systems and integrating WX into C4I systems--Air Force, Army, and Joint Systems," said Col. Ronald Townsend, ACC/DOW. We made a lot of progress in this area through the use of ACC's REACHBACK communications capability and the work that's been accomplished under the Theater Battle

Air Combat Command




ACC Army Units


Providing weather support to U.S. fighting bases is one of ACC's mission the other is to U.S. Army units. The following is a list of Army installations covered by the command:

Fort Belvoir, Va.; Fort Benning, Ga.; Fort Bliss, Texas; Fort Bragg, N.C.; Fort Campbell, Ky.; Fort Carson, Colo.; Fort Devens, Mass.; Fort Drum, N.Y.; Fort Eustis, Va.; Fort Hood, Texas; Fort Huachuca, Ariz.; Fort Irwin, Calif.; Fort Knox, Ky.; Fort Lewis, Wash.; Fort McPherson, Ga.; Fort Polk, La.; Fort Riley, Kan.; Fort Ritchie, Md.; Fort Rucker, Ala.; Fort Sill, Okla.; Fort Stewart, Ga.; and Hunter Army Air Field, Ga.

Management initiatives. We have a lot of room to grow here to have a robust operational capability," Townsend added.


Since the reorganization of Air Weather Service in April 1991, the major command's weather directorates have made great progress in setting their own tempo and guidelines. To get the feel of what progress has been made, the following is from an interview with Colonel Townsend.

 *As a command, how do you feel the ACC WX structure has evolved since 1991?*

 The ACC WX structure has evolved quite effectively since 1991. Quite frankly, the transition has gone much better than I expected. During the past three years, we have moved from a stovepipe WX structure to a structure where weather is totally integrated into the mission of the command, the NAFs (Numbered Air Force), the wings, and ACC Army support organizations. This transition involved the total force — ACC active units and ACC-gained Air National Guard WX flights as well as Individual Mobility Augmentees.

 *Where has ACC WX gone since 1991?*

We have responded to the challenge of continuous change. We've worked hard to make ACC WX operations an effective, integral part of the ACC mission while keeping in step with AF WX as it evolved under AF reorganization. As everyone knows, at the headquarters level, we went from an AWS wing to a weather division under the ACC Director of Operations. At the unit level, we primarily moved from detachments under a WX squadron to WX flights under the Operations Support Squadrons and most recently flights under the Air Support Operations Squadrons on the Army side. We focused on the total force by integrating over 50 IMAs and 32 ANG WX flights into this structure. From a combat capability perspective, I believe we're better off today than we were in 1991 as a result of the restructure of weather under AF reorganization.

 *In the future, where does ACC WX need to grow and evolve?*


 We need to focus on some specific areas:


□ Training has to be at the top of our priorities. We need to ensure we have the

right training guidance and policy in place to help the field units implement effective training programs. We also have younger, less experienced officers and NCOs providing the leadership in our WX flights. We need to look at how we grow flight leaders, and we owe it to these leaders to provide them some training. This issue is one we're working now.

□ Evaluation of operational performance is another important area. We need to have some key metrics that will drive management action on improvement initiatives. I am very pleased with the progress we have made in ACC. We have some WX Quality Performance Measures that have given us a good start in this arena. But performance measurement is an area that will continue to evolve to meet the needs of both the ACC staff and the field units.

□ Finally, ACC needs to make better use of AWS' capabilities — from the headquarters to the centers. AWS initiatives such as regional technical assistance teams and first-in equipment acquisition will help us immensely. We get great response from the centers. But we may be able to do a better job of articulating our operational requirements to make the entire system more effective. How effectively we apply new technology will be in part a function of how well we work with AWS.

 *With all of the deployments ACC WX has gone on, what lessons have been learned? How has ACC handled the deployments?*

 In the past 12 months, ACC personnel have deployed well over 11,000 man-days. And that just counts TDY's (Temporary Duty) in excess of 30 days to support contingencies or exercises.

We learned joint weather doctrine




At Whiteman AFB, Mo., forecasters prepare forecasts the worldwide B-2 mission.

works and is an effective guide to operating in a JTF environment. We keep relearning there is no substitute for realistic training and reconfirmed a light, deployable system such as AFDIS on a laptop with connectivity to AFGWC, along with real-time WX satellite readout, gives us a tremendous first-in operational capability.


We've handled the deployments extremely well. Our concern is the same as expressed for other functional areas and most major weapons systems. The high operational tempo we are experiencing may be impacting WX operations. The impact seems to be primarily in the area of training.


Our deployment taskings have created challenges in accomplishing unit operational training. The evidence so far is pretty much empirical. But we are working now to get our arms around this issue so we can take action to maintain readiness.

 *Has the restructuring of ACC WX accomplished what it was set out to do?*

 Yes. On the Air Force side, giving

wing commanders ownership of their WX forces has improved mission effectiveness. On the Army side, we wanted the restructure to be transparent to Army commanders. So far, I believe we have succeeded.

 *What areas which were weaknesses in the past have now evolved into strengths?*

 Two areas come to mind — weather communications and C4I weather capability. Relying on dedicated WX communication circuits and having little WX capability resident in C4I systems have been weaknesses. We have demonstrated the ability to move WX data over standard comm systems using standard comm protocol. This capability greatly increases our flexibility and ability to get WX where we need it, when we need it. Acquiring the capability to tie AWDS and future combat weather systems (AF and Army) to customer C4I systems is a strength. This is the only way to keep pace with the warfighter's evolving operational needs on the battlefield.



AFGWC

The Heart Of Air Force WX

MISSION

Builds the world's most comprehensive weather database and applies it in real-time to satisfy the worldwide operational requirements of Air Force combat forces, Army and joint combat forces, the National Command Authorities, Department of Defense, and multibillion-dollar sensitive National Programs controlled by the Secretary of the Air Force

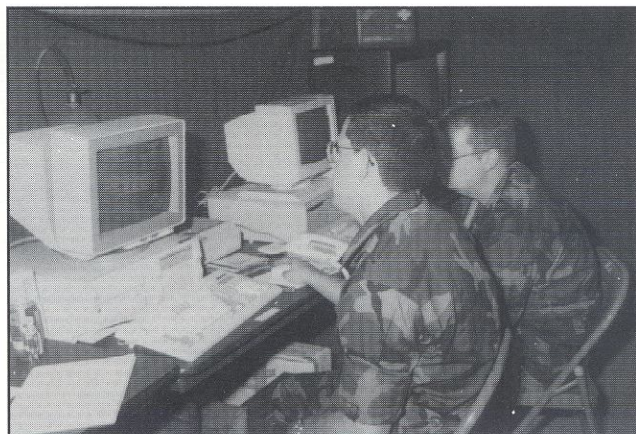
By Col. Joseph Dushan
Commander

AFGWC — a place many of you say you'd hate to be assigned. All kidding aside, AFGWC is the heart of the Air Force Weather. In fact, we're directly involved in every single military operation, contingency mission, and humanitarian relief effort conducted by the United States.

Global is a dynamic and exciting outfit to be part of. With more than 750 people and a multi-mainframe and minicomputer complex, AFGWC is the largest military meteorological computer facility in the world.

Here, we have a multitude of customers from several different governmental agencies. We produce more than 30,000 weather support products each day: including turbulence and icing forecasts for military flyers around the globe.

Our site-specific point weather warnings help protect military installations at more than 300 locations across the United States. Using high-resolution, advanced sensor imagery from weather satellites, we determine the position of typhoons and hurricanes anywhere on earth for the Joint Typhoon Warning Center on Guam and the National Hurricane Center in Miami. We also provide forecasts to



Participants in the first Combat Thunder Exercise at the Air Force Global Weather Central test the Air Force Dial-In System.



the civilian community as a backup to the National Meteorological Center and the National Severe Storms Forecast Center.

How do we do it? We receive some 140,000 weather observations each day. Most are from the earth's surface, but many come from aircraft and instrumented weather balloons. By far the greatest amount of data we receive comes from weather satellites. In fact, AFGWC is the Department of Defense's center of expertise for meteorological satellite data retrieval, processing, and applications. All of this data is funneled into AFGWC's computer systems. The raw data is processed and placed into our central meteorological data base. We have many sophisticated, scientific programs that draw from this database the basic information needed to create our forecast products.

continued on page 28



USAFETAC

The Air Force's Climate Center

MISSION

Collect, save, and apply worldwide weather data to generate environmental products in support of worldwide operations of the Air Force, Army, and other DoD and US Government agencies.

By Lt. Col. Jud Stailey
Commander

The United States Air Force Environmental Technical Applications Center—what a mouthful! I spend a lot of time explaining to people who ask me “What’s an ETAC?” that we are the climate center for the Air Force. Our long name comes from the fact that we do some things that are not really climatology. We’re now working with Headquarters Air Weather Service to change our name to something that better describes our focus on climate services, but that’s a subject for a future article. What I would like to do in this inaugural edition of the new-format *Observer* is explain to our customers what we do to help the Air Force better prepare for and conduct wartime operations and more effectively apply its limited resources in peacetime.

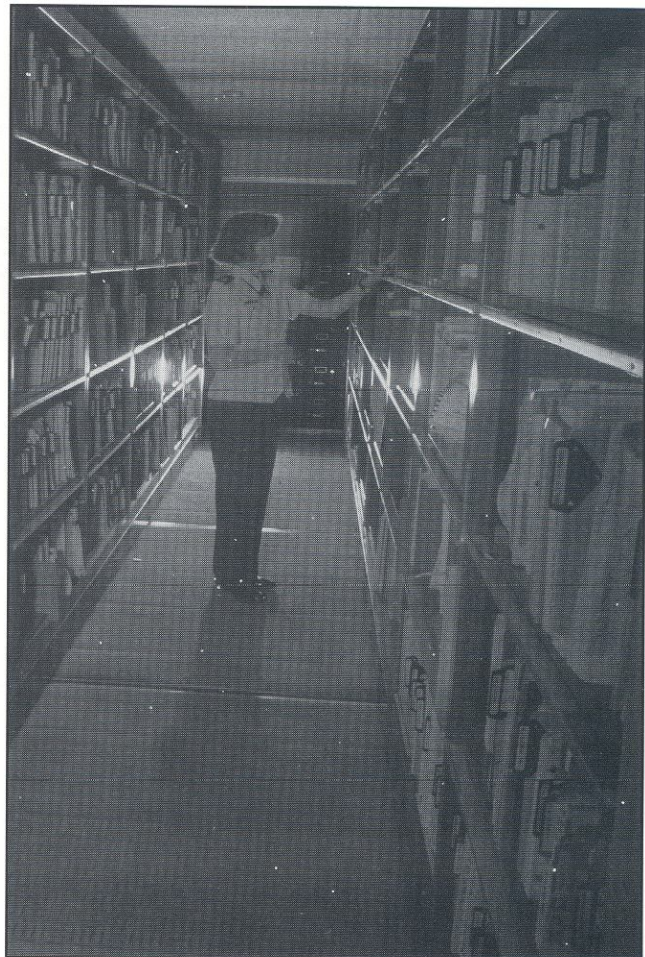


We have several major categories of products, including Data Extracts, Point Analyses, Descriptive Climatologies, Microcomputer Programs, Climatological Applications, and Library Support.

The USAFETAC provides other unique services which do not fall into the previous categories but are very important to weather troops at bases worldwide.

USAFETAC Dial-In: provides access to a suite of standard computer applications which can be run on our large computer from a small computer in the field. The applications produce summaries of surface and upper air data.

Terminal Forecast Verification: ETAC verifies weather forecasts issued by Air Force weather stations and provides metrics on the accuracy of forecasts to MAJCOMs every quarter. Metrics for individual stations are available to those stations monthly via the Dial-In.



USAFETAC Available Services

Data Extracts. If you want to know what the weather was at some location and time in the past, or if you need data for a period of time for analysis, we can provide it. Normally, data extracts come in standard formats and are provided by our Operation Location A in Asheville, NC. For information contact Mr Kotz (DSN 266-3100, Comm 704-271-4299).

Point Analyses. Similar to data extracts point analyses tell the user what the weather was at a given location and time in the past. Derived from several types of data they are presented as a vertical profile of the atmosphere from the surface to about 200,000 feet. The profile includes temperature, humidity, pressure, wind, and other data, as well as a surface weather observation and cloud depiction for the area around the point. For information contact Mr Surmeier (DSN 576-3543, Comm 618-256-3543).

Descriptive Climatologies. A combination of weather maps, tables of data, and other charts and graphs accompanied by text which describes normal and variabilities in weather conditions. Descriptive climatologies are written for use by operational planners or as an aid to forecasters. We write them for single points, small areas, or regions. We are about half way through a massive project to write regional climatologies on most of the world's land masses. For information contact Mr Walters (DSN 576-3465, Comm 618-256-3465).

Standard Summaries. Climatological summaries of weather data at weather stations for use in planning and as a forecasting aid. Includes summaries of surface observations (ceilings and visibilities, pressure, temperature, rain, snow fog, etc), crosswind summaries, heating curves showing daily temperature change, and special cloud climatologies. By next fall we will offer summaries of upper air stations. For information contact Mr Kotz (DSN 266-3100, Comm 704-271-4299).

MicroComputer Programs. We've compressed some important databases so that they will fit on small computer disks and written user-friendly utilities to extract and display the data. We're now writing all applications for the Windows environment and are in the process of converting all our older DOS applications to Windows. See the box on page 28 for a list of some of our more popular programs. For information contact Capt Stone (DSN 576-3743, Comm 618-256-3743).

Climatological Applications. A broad category of support which could best be called 'answering unique questions.' If you're planning something in the future which could be impacted by weather, we can help quantify and provide information to minimize the risk. Examples include building and operating new weapon systems, preparing for exercises, design and construction of new facilities, etc. For information contact Mr Glauber (DSN 576-3158, Comm 618-256-3158).

Library Support. Incorporated into ETAC is the AWS Technical Library, one of the largest meteorological libraries in the world. The library can provide technical documents, copies of journal articles, bibliographies on particular subjects, and long-distance loan of books. The library also distributes small computer software. For information contact Mr McCollom (DSN 576-5023, Comm 618-256-5023).

ETAC's Top Five Small Computer Programs:

E-O Climo: Climatology of transmissivity and weather elements affecting employment of precision guided munitions. Covers 5800 locations worldwide. Windows format—available soon on CD-ROM.

UA Climo: Mean wind, temperature, D Value, and wind factors along user-specified routes. Probability of contrail formation, plots of mean winds and temperatures. Windows format.

MODCV: Provides 24 hour climatological "forecast" for ceiling and visibility for your base given current conditions and wind direction. For you weather types, this is wind stratified conditional climatology on disk. Windows format.

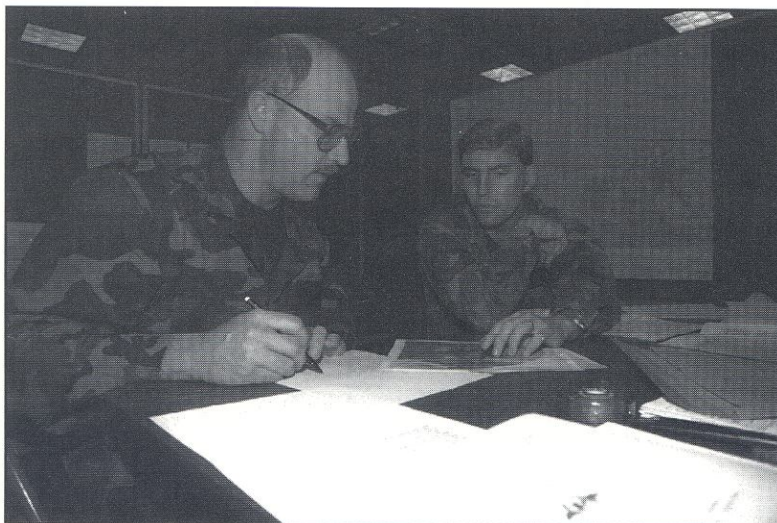
MODCURVES: Mean temperature, humidity, pressure, altimeter setting curves for your base. Windows format.

Nitelite: Graphical presentation of light data for given date and location. Provided sunrise, sunset, twilight, moonrise, moonset, percent illumination. Being upgraded to add moon position and lumens.



How to Contact USAFETAC:

For information or to request service contact USAFETAC/DOO
Phone DSN 576-4024, Comm 618-256-4024
Fax DSN 576-3772, \Comm 618-256-4024
E-mail etacdoo@thunder.safb.af.mil
For library services contact USAFETAC/DOL
Phone: DSN 576-4024, Comm 618-256-4024
Fax: DSN 576-3772, Comm 618-265-4024
E-mail: awstl@etacrs1.safb.af.mil



TSgt. William M. Rhodes

Forecast Challenge '95

If you think you're the hottest forecaster around, you'd better convince your major command to send you to Forecast Challenge '95, March 6-10, at Hurlburt Field, Fla.

The competition tests forecasters from each MAJCOM against real-world scenarios.

The top three in four categories receive recognition. AWS' point of contact for this year's competition is 1st Lt. Bryan E. Adams at AWS/XOOM. For more information contact Adams at 576-4110, ext. 207; electronic mail address: ADAMS@HQAWS.SAFB.AF.MIL

DID YOU KNOW

GUARD POSITIONS OPEN

The 159th Weather Flight, Florida Air National Guard, has immediate openings for weather observers (1W051), forecasters (1W071A), and weather officers (15W3).

The 159th WF is located near Jacksonville, Fla. For more information about these positions or the unit, call MSgt. Jon Carillon at DSN 960-3449 or (904) 533-3449, or write to 159 WF Rte. 1, Box 465, Camp Blanding Training Site, Starke, Fla. 32091-9703.

AWDS SOFTWARE TEST

Headquarters AWS/SYD will conduct a follow-on operational test and evaluation of the next scheduled Automated Weather Distribution System software release, version 3.1.0, through January. The test, conducted at three base weather stations and one TAWDS unit, will determine the operational effectiveness and suitability of release 3.1.0. HQ AWS will use the results to support a decision to field 3.1.0 in late February.

continued on next page

Farewell to a true WX warrior

Col. William S. Weaving, Air Weather Service Director of Technology, Plans and Programs retired Dec. 19, 1994, culminating a distinguished career which defines a true "Weather Warrior."



Weaving

Weaving began his career in 1968 as a weather forecaster at Royal AFB, Upper Heyford, England. He followed that with assignments at RAF Croughton, England; Webb AFB, Texas; Scott AFB, Ill.; Pease AFB, N.H.; Offutt AFB, Neb.; and Fort McPherson, Ga.

In September 1990, the colonel deployed to Saudi Arabia as the U.S. Army Forces Central Command's Staff Weather Officer. One of the highlights of his career was serving as the Deputy Staff Weather Officer for CENTCOM's commander, Army Gen. H. Norman Schwarzkopf throughout the preparation and execution phases of Operation DESERT STORM.

"Serving on General Schwarzkopf's staff was an awesome experience. I hated to go back to my quarters at night because I might miss some exciting event," the colonel said.

"The general paid us (weather forces) several compliments, but one of the best was when we tried to pack up the Defense Meteorological Satellite van early, after the war was over.

He asked questions to try and understand why we wanted to do it and sympathized, but stated he had grown accustomed to seeing the top quality images we displayed and told us we could pack up the van and take it home after he left. We made him a believer!"

In 1992, his combat experience was essential as the 1st Weather Group's commander and in 1993 when he returned to AWS.

It is with fondness that we bid him farewell. *Good Luck, Good Weather.*

AWSIXO

continued from page 14

appears in the directorate title, we are actively involved in operations.

Through our Operations and Standardization Division (XOO) we manage the current operations within Air Force Global Weather Central (AFGWC) and United States Air Force Environmental Technical Applications Center (USAFETAC) to ensure your overall AFW centralized service requirements are met. We play a pivotal role in the launch coordination process for Defense Meteorological Satellite Program (DMSP) satellites by consolidating inputs, coordinating launch strategy and orbital parameters, and addressing operational issues.

Our Technology Plans Division (XOX) compiles, analyzes, and provides assessments of technical health and operational effectiveness. They conduct Mission Area Analyses and Mission Needs Assessments, develop the AFW Functional Area Plan, and ensure technology infusion in new acquisition planning.

They direct the AWS marketing program. XOX also coordinates research and development activities with national labs.

Our Technology Training Division (XOT) provides direct assistance to AFW units through the Meteorological Enhancement Team visit program, regional field support, and technology transition publications. Additionally, XOT operates the Development and Applications Lab to conduct case studies and develop short-term products and services for resolving AFW-identified shortfalls and requirements.

The Special Projects Division (XOS) serves as our focal point to integrate national program service requirements. XOS ensures our centralized service meets sensitive-compartmented information (SCI) and special access required (SAR) programs' needs.

In summary, the Technology, Plans, and Programs Directorate works to keep you trained and equipped with the right mix of tools and equipment to meet your customers current and future needs.

sensors and weather satellite systems, and base weather station systems. The Communication Systems Division (SYK) is our interface with AFMC's 38 Engineering and Installation Wing (EIW).

The 38 EIW was previously aligned under AFC4A as the Communications Systems Center (CSC) and is responsible for standard system

Oh, By the Way, continued

NEW CD-ROMS

The United States Air Force Environmental Technical Applications Center (USAFETAC) will soon distribute copies of the Global Historical Fields (GHF) CD-ROM (Version 1.0, August 1994), produced jointly by the Navy and NCDC. The CD's will contain sea level pressure analyses dating from 1899. Upper air temperature and pressure analyses dating from as early as 1946 is also included. This new CD should be an excellent reference or training tool for staff meteorologists, analysts, and forecasters.

AFGWC, from page 24

We send these products to our customers over many different communications systems. For example, the Automated Weather Distribution System (AWDS), and the Automated Digital Facsimile System (AFDS), and the AFGWC Dial-In Subsystem (AFDIS).

In face, AFDIS is a very important part of the "first-in" weather services

AFGWC provides to theater commanders, allowing them to "reach back and pull forward" the weather support they need to accomplish their mission.

AFGWC has established itself as the heart of the system that gives our forces the combat edge — 24-hours-a-day, seven-days-a-week, anywhere in the world.

AWSISY

continued from page 15

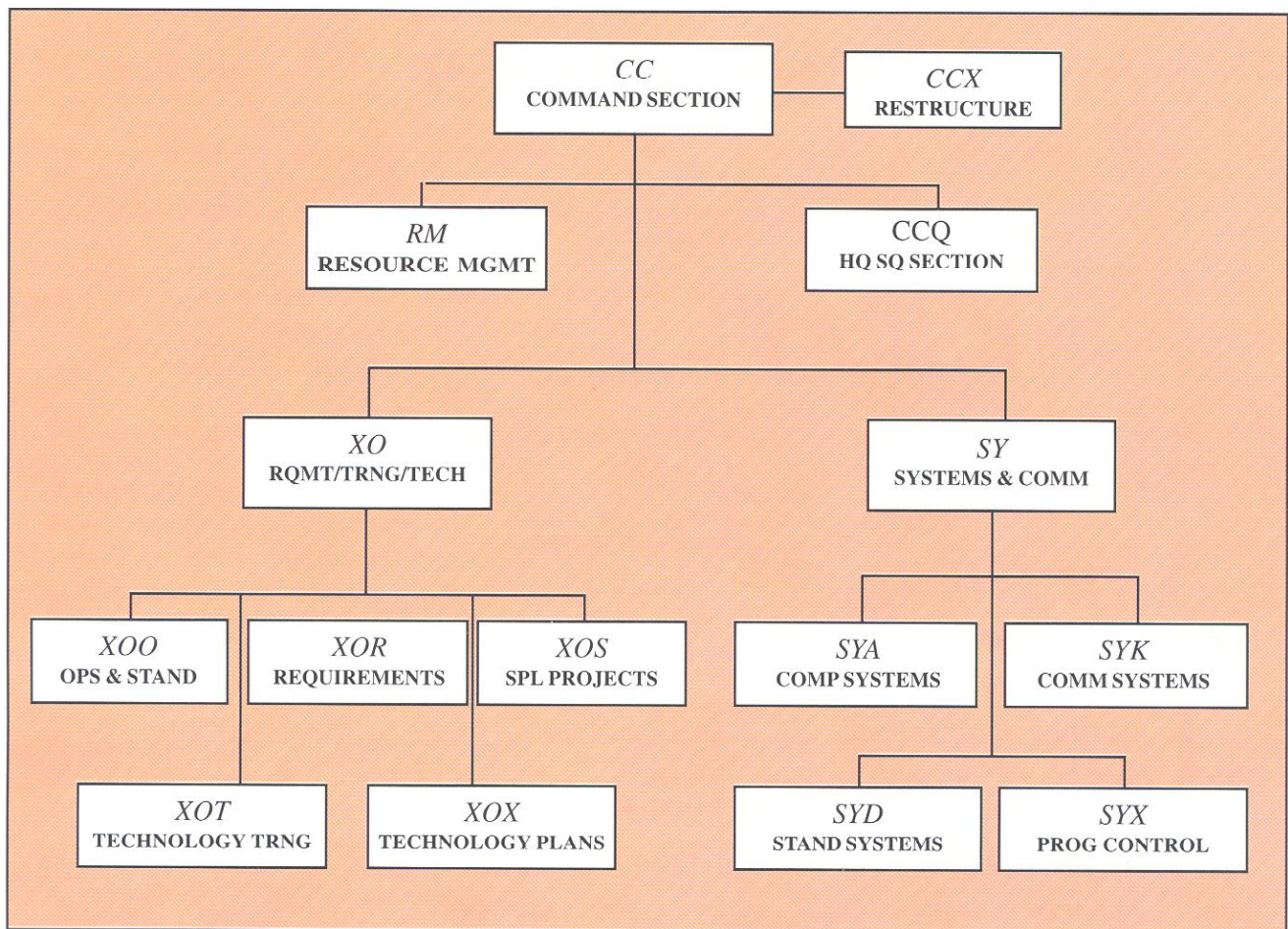
collect, process, analyze, and produce products that all AFW operators need to do their jobs. The Standard Systems Division (SYD) is the focal point for all AFW combat weather systems, ground-based space environmental

management of such things as the Automated Weather Network (AWN), DIGS, MEDS, METSAT Loopers, ADFS, leased long-line weather communications, etc. The Program Control Division (SYX) is a new division within HQ AWS providing acquisition, logistics, equipment modification, supply, testing, and

configuration management expertise to the various AWS weather program offices.

In a nutshell, the job of the new Systems and Communications Directorate is to acquire and sustain the systems and tools (hardware and software) you, your field units, and our AF centers need to conduct day-to-day weather operations.

Command Structure



requirements and operational concepts into a working solution for all Air Force weather units. The directorate is divided into five divisions which are currently working on a range of items, including:

- ❑ The 50th Weather Squadron Forecast Systems Replacement (formerly the Air Force Space Forecast Center) — a project to upgrade new computer systems allowing the squadron to process new solar models;

- ❑ The Air Force Weather Architecture Study — a project to determine the operational environmental requirements and

capabilities needed by AFW to support Air Force and Army missions from 1995 into the year 2015;

- ❑ The Interim Weather Officers' Initial Skills Course — developed by the AWS/XO directorate, this course is designed to reduce the initial training time for new officer's arriving at base weather stations.

SY is comprised of weather, computer, acquisition officers and enlisted members and is the Air Force's lead command for Air Force Weather systems.

A few of the programs the directorate is involved in are: **Satellite**

Data Handling System Upgrade;
Advanced Computer Flight Plans;
Cloud Depiction and Forecast System;
Electro-Optical Tactical Decision Aid;
Combat Air Forces Weather Software Package;
Automated Weather Distribution System Pre-Planned Product Improvement.

Air Force Weather's most important role is to provide the warfighter tailored weather information that enhances combat effectiveness. The role of AWS is to provide those forces with the best means to perform that mission. Weather truly is a force multiplier and "the essence of successful air operations."

1
9
9
5
*Weather
Almanac*

In April 1991, the Air Weather Service was restructured into what it is today. Under AWS' umbrella, the former wings and squadron had a single source for information. This section of the new Observer is our attempt at putting that source of information back into the hands of the people who need it most: the users and practitioners of weather.

The following pages list the complete names, address, phone numbers and directorates of each FOA and MAJCOM affected by Air Force weather. The information was compiled from these sources and is current as of December 1994.

Directorate of Weather
Deputy Chief of Staff for Plans and Operations, the Pentagon

1490 Air Force Pentagon DSN: 224-0055
Washington DC 20330-1490

Headquarters Air Weather Service - Scott AFB, Ill.

102 W. Losey Street Room 105 DSN: 576-3265
Scott AFB, IL 62225-5206

Air Force Global Weather Central - Offutt AFB, Neb.

105 Peacekeeper Drive, Suite 2N3 DSN: 271-5749
Offutt AFB, NE 68113-4039

USAF Environmental Technical Applications Center - Scott AFB, Ill.

859 Buchanan Street DSN: 576-5066
Scott AFB, IL 62225-5116

Air Combat Command - Langley AFB, Va.

ACC/DOW DSN: 574-8452/8453
205 Dodd Blvd., Suite 101
Langley AFB, VA 23655-2789

Air Education and Training Command - Randolph AFB, Texas

AETC/XOSW DSN: 487-3700/4016
1 F St., Ste. 2
Randolph AFB, Texas 78150-4325

Air Force Special Operations Command - Hurlburt Field, Fla.

AFSOC/DOW DSN 579-2145
100 Bartley Street
Hurlburt Field, Fla. 32544-5000

Air Mobility Command - Scott AFB, Ill.

AMC/XOW DSN: 576-4337
402 Scott Drive, Room 132
Scott AFB, IL 62225-5363

Air Force Materiel Command - Wright-Patterson AFB, Ohio

AFMC/DOW DSN: 787-5364
4225 Logistics Ave., Ste. 2,
Wright-Patterson AFB, Ohio 45433-5714

Air Force Space Command - Peterson AFB, Colo.

HQ AFSPC/DOGW DSN: 834-3090
150 Vandenberg Street, Suite 1105
Peterson AFB, CO 80914-4630

U.S. Air Forces in Europe - Ramstein AB, Germany

HQ USAFE/XOOW DSN: 480-7001/7050
Unit 3050, Box 15
APO AE 09094-5015

Pacific Air Forces - Hickam AFB, Hawaii

25 E Street, Suite 232 DSN: 449-6174
Hickam AFB, HI 96853-5426

ALTUS AFB, Okla.
97 OSS/DOW,
603 East Ave., Ste. 1, Altus AFB, Okla. 73523-5033
DSN 866-6539
Commander: Capt. John Shepley
Station Chief: MSgt. Jimmy Long

ANDREWS AFB, Md.
89 OSS/OSW
1240 Mennhon Dr., Andrews AFB, Md 20331-6511
DSN 858-2629/4761
Commander: Maj. Bill Greg
Station Chief: MSgt. Dale Ferraro

BARKSDALE AFB, La. (WSU)
608 COS/DOW
2435 Davis Ave. E., Bldg. 5546, Barksdale AFB, La
71111
DSN 781-2104
Commander: Lt. Col. Randolph Garvin
Station Chief: N/A

BARKSDALE AFB (BWS)
2 OSS/OSW
105 Lindbergh Rd. E., Ste. 105 71110-2163
DSN - 781-3136/3411
Commander: 1st Lt. Daniel Farris
Station Chief: SMSgt. William Dorsey

BEALE AFB, Calif.
9 OSS/OSW
7900 Arnold Ave., Ste. 100, Beale AFB, Calif. 95903
DSN 368-9129
Commander: Maj. Tom Coe
Station Chief: MSgt. Joe Fabian

CANNON AFB, N.M
27 OSS/OSW
110 E. Sexton Ave., Ste. 1040, Cannon AFB, N.M.
88103-5322
DSN 681-2265
Commander: Capt. Lester N. Roberts
Station Chief: TSgt. Peter Boyle

CASTLE AFB, Calif.
93 OSS/OSW
Bldg. 1340, Castle AFB, Calif. 95340
DSN 347-2870
Commander: 1st Lt. Todd McNamara
Station Chief: SSgt. Timothy Bondy

CHARLESTON AFB, S.C.
437 OSS/OSW
221 N. Bates St., Rm. 130, Charleston AFB, S.C.
29404
DSN 673-3009
Commander: Capt. Michael D. Bramhall
Station Chief: MSgt. Paul Leidig

COLUMBUS AFB, Miss.
14 OSS/DOW
595 First St., Ste. 3, Columbus AFB, Miss. 39710-
4201
DSN 742-2973/2971
Commander: Capt. Thomas L. Wallace
Station Chief: MSgt. Jeremy L. Samuel

DAVIS-MONTHAN AFB, Ariz.
55 OSS/OSW
4360 S. Phoenix St., Davis-Monthan AFB, Ariz.
85730-4638
DSN 361-3536
Commander: Capt. Raymond Tentenny
Station Chief: MSgt. Ricky Murphy

DOVER AFB, Del.
436 OSS/OSW
501 Eagle Way, STE-B, Dover AFB, Del. 19902-7504
DSN 445-4174
Flight Chief: SMSgt. Kerry Jones
Station Chief: MSgt. Kevin McGarrigle

DYESS AFB, Texas
7 OSS/OSW
674 Alert Ave., Dyess AFB, Texas 79607-1774
DSN 461-4364/2524
Commander: Capt. Alan Robinson
Station Chief: MSgt. David Hiatt

EDWARDS AFB, Calif.
412 OSS/OSW
85 S. Flightline Rd., Edwards AFB, Calif. 93524-6460
DSN 527-4472
Commander: Maj. Frederick Wirsing
Station Chief: MSgt. Eric Kowalski

EGLIN AFB, Fla.
46 WF
601 W. Choctawhatchee Ave. Ste. 60, Eglin AFB, Fla.
32542-5719
DSN 872-5323/5449
Flight Commander: Lt. Col. Mike W. Kowa
Station Chief: MSgt. Deborah J. Williams-Mitchell

ELLSWORTH AFB, S.D.
28 OSS/OSW
1820 Vandenberg Court, Ste. 3, Ellsworth AFB, S.D.
57706-4729
DSN 675-1050/1048/1047
Commander: Lt. Col. Stanley O. Swanson
Station Chief: SMSgt. James Boyle

FAIRCHILD AFB, Wash.
92 OSS/OSW
901 W. Boston Ave., Ste. 101, Fairchild AFB, Wash.
99011-8529
DSN 657-5224
Commander: Capt. Robert Rizza
Station Chief: MSgt. Gerald Claycomb

FALCON AFB, Colo.
50 Weather Squadron (Formerly Air Force Space
Forecast Center)
715 Shuttle Ave., Box 60, Falcon AFB, Colo. 80912-
7160
DSN 560-7126/2404
Commander: Lt. Col. Norman Buss

F.E. WARREN AFB, Wyo.
90 OSS/DOW
7505 Saber Rd., F.E. Warren AFB, Wyo. 82005-2684
DSN 481-3229/3431
Commander: Capt. Mary Walker-Irvin
Station Chief: MSgt. Patrick Aldrich

FORT BELVOIR, Va. (BWS)
OL-A, 18 WS
6970 Britten Blvd., Ste. 101, Fort Belvoir AIN, Va.
22060-5132
DSN 656-7543/7541
Commander: SMSgt. Matthew Ulrich
Station Chief: MSgt. Walter Smith Jr.

FORT BENNING, Ga.
17 ASOS, C Flt.
Fort Benning AIN, Ga. 31905-5000
DSN 835-7313
Commander: Capt. Jeffrey Peters
Station Chief: MSgt. James Reid

FORT BLISS, Texas
12 ASOS/ASW
Biggs AAF, El Paso, Texas 79916
DSN 978-8702
Commander: Capt. Bryan Mackey
Station Chief: TSgt. Jeff Cooke

FORT BRAGG, N.C. (Det. 3)
18 WS
Bldg. AT3551, Prager St., Fort Bragg, N.C. 28307
DSN 236-3914
Commander: Lt. Col. Michael J. Stanley
Station Chief: MSgt. Brenda J. Paprocki

FORT CAMPBELL, Ky.
19 ASOS
Fort Campbell, Ky. 42223
DSN 635-2519/2024
Commander: Maj. Michael Davenport
Station Chief: MSgt. Robert Fuller

FORT CARSON, Colo.
13 ASOS
Fort Carson AIN, Colo. 80913
DSN 691-3651/3620
Commander: Maj. Steve Wilderotter
Station Chief: MSgt. Alfred Green

FORT DEVENS, Mass.
4 WF, 18 WS
Bldg. T2205, Givry St., Fort Devens, Mass. 01433
DSN 256-2614/3113
Flight Chief: TSgt. Andrew J. Hopwood

FORT DRUM, N.Y.
20 ASOSE Flt., Fort Drum, N.Y.
DSN 341-6069
Commander: Capt. Jon E. Lundburg
Station Chief: MSgt. David Driskoll

FORT EUSTIS, Va.
OL-B, 18 WS
Bldg. 2408, Condon Road, Felker AAF, Fort Eustis, Va.
23604
DSN 927-5300
Commander: SMSgt. Floyd Parton
Station Chief: MSgt. Larry Smith

FORT HOOD, Texas (BWS)
3 WS
Bldg. 90049, Clarke Road, Fort Hood, Texas 76544-
5076
DSN 738-9166/9819

Commander: Lt. Col. Lloyd L. Anderson Jr.
Station Chief: SMSgt. Lenny Wells

FORT HOOD, Texas (3 ASOG)
3 ASOG
1001 761st Tank Battalion Ave., Fort Hood, 76544-
5056
DSN 737-7736
Commander: Lt. Col. Patrick Stone
Weather OIC: Lt. Col. William Burnette

FORT HUACHUCA, Ariz.
ATZS-CDI-W
U.S Army Intelligence Center, Fort Huachuca, Ariz.
85613-6000
DSN 879-6472/2865
Commander: Maj. George S. Howard
NCOIC: MSgt. John Carroll

FORT IRWIN, Calif.
Det. 1, 549 CTS/WX
661 7 St., Fort Irwin, Calif. 92310-5043
DSN 470-4328
Commander: Capt. John F. Sliney

FORT KNOX, Ky.
16 ASOS
5214 Pilot St., Fort Knox, Ky. 40121
DSN 464-5653
Commander: Maj. Thomas J. North
Station Chief: MSgt. Christopher Andrejczik

FORT LEWIS, (BWS)
1 WS
Bldg. 3082 Airport Way, Fort Lewis AIN, Wash.
98433-5000
DSN 357-5967
Commander: Maj. Kenneth J. DeMoyse
Superintendent: MSgt. David W. Hannum

FORT McPHERSON, Ga.
2 WF
Bldg. 130, Anderson Way, Fort McPherson, Ga.
30330-5000
DSN 572-4195
Commander: Col. (S) Douglas C. Pearson

FORT POLK, La.
21 ASOS/ASW
Bldg. 4226, Polk Army Air Field, Fort Polk, La. 71459-
5000
DSN 863-2015
Commander: Capt. Mark D. Hertrick
Station Chief: MSgt. James W. Buchanan

FORT RILEY, Kan.
10 ASOS/ASW
743 Ray Pl. Marshall Army Air Field, Fort Riley, Kan.
66442
DSN 856-3327
Commander: Maj. Sharon Buckley
Station Chief: MSgt. Tom Simon

FORT RITCHIE, Md.
OL-A, AFCOS
Fort Ritchie, Md. 21719-5010
DSN 988-2247
Commander: Capt. David W. Sjostedt

Station Chief: MSgt. Joseph A. Schroff, Jr.

FORT RUCKER, Ala.

6 WF, 18 WS
Bldg. 30101 Wallace St., Fort Rucker, Ala. 36362
DSN 558-8397/8385
Commander: Capt. Mark D. Zettlemoyer
Station Chief: MSgt. Jeffrey A. Fries

FORT SILL, Okla.

OL-A, 3 WS
Bldg. 4907, Fort Sill, Okla. 73503
DSN 639-3200
Commander: SMSgt. Stephen L. Rosemier
Station Chief: MSgt. Mark R. Sanders

FORT STEWART, Ga.

15 ASOS/ASW
Bldg. 7755, Wright AAF, Fort Stewart, Ga. 31314-3372
DSN 870-4090
Commander: Lt. Col. Earl E. Whitt Jr.
Station Chief: MSgt. Robert J. Currin

GRAND FORKS AFB, N.D.

319 OSS/OSW
695 Steen Ave., Ste. 150, Grand Forks AFB, N.D.
58205-6244
DSN 362-4371
Commander: Capt. Charles Huhtala
Station Chief: MSgt. Patrick Ashton

GRIFFIS AFB, N.Y.

416 OSS/OSW
592 Hanger Rd., Ste. 121, Griffis AFB, N.Y. 13441
DSN 587-2410/3916
Commander: Capt. Terry Given
Station Chief: MSgt. Ed Lambino

HANSCOM AFB, Mass.

Det. 2, 50 WS
305 Sagamore St., Hamilton, Mass. 01982-1218
DSN 478-4600
Detachment Chief: MSgt. Dennis A. Rucker
Station Chief: TSgt. Matthew Mead

HILL AFB, Utah

75 OSS/OSW
5970 S. Gate Dr., Hill AFB, Utah 84056-5232
DSN 458-3519/3629
Commander: Capt. Kurt R. Lutz
Station Chief: MSgt. Dan Phillips

HOLLOMAN AFB, N.M. (BWS)

49 OSS/OSW
744 Delaware Ave., Holloman AFB, N.M. 88330-8014
DSN 867-7324
Commander: Capt. Richard Hartman
Station Chief: SMSgt. Richard Fiske

HOLLOMAN AFB, N.M. (SOLAR)

Det. 4, 50 WS/CC
1441 Observatory Road, Bldg 912, Holloman AFB, N.M. 88330-7933
DSN 8867-3461/3462
Commander: Maj. Michael J. Volek
Station Chief: TSgt. Paul A. Pinkerton

HUNTER AAF, Ga.

15 ASOS/ASW
Hunter Army Air Field, Ga. 31409
DSN 971-5432
Commander: Maj. Carl S. Funk
Station Chief: MSgt. Robert J. Currin

HURLBURT FIELD, Fla. (BWS)

16 OSS/OSW
150 Bennett Ave., Hurlburt Field, Fla. 32544
DSN 579-7348
Commander: Capt. Scott Van Blarcum
Station Chief: MSgt. Lawrence Alexander

**HURLBURT FIELD, Fla.
(Combat Weather Facility)**

Det. 4, HQ AWS
595 Independence Road, Hurlburt Field, Fla. 32544-5618
DSN 579-5702
Commander: Maj. Dennis Kerrigan

KEESLER AFB, Miss. (TTG)

334 TRS/TTMV
700 H St., Bldg. 4432, Keesler AFB, Miss. 39534-2499
DSN 597-0361/0362
Commander: Maj. Thomas R. Strange
Station Chief: SMSgt. Antonio Ramirez

KEESLER AFB, Miss. (BWS)

45 AS/OSFWX
817 H. Street, Suite 102, Keesler AFB, Miss. 39534-2452
DSN 597-3938/3305
Commander: Capt. Eugene Layeski
Station Chief: MSgt. Chester Richey

KELLY AFB, Texas

76 OSS/OSW
303 S. Luke Dr., Ste. 1, Kelly AFB, Texas 78241
DSN 945-5400
Commander: Lt. Col. David L. Naquin
Station Chief: MSgt. Greg Myles

KIRTLAND AFB, N.M.

(Air Force Operational Test and Evaluation Center)
AFOTEC/DOW
8500 Gibson Blvd. SE, Kirtland AFB, N.M. 87117-5558
DSN 246-5305/5318

KIRTLAND AFB, N.M. (BWS)

377 ABW/OTW
3400 Clark Ave., Kirtland AFB, N.M. 87117-5776
DSN 246-9722
Flight Chief: SMSgt. Bruce Swartz
Station Chief: MSgt. Martin Sprankle

K.I. SAWYER AFB, Mich.

410 MSS/OSW
F Ave., Bldg. 410, Ste. 7, K.I. Sawyer AFB, Mich. 49843
DSN: 472-2700
Flight Chief/Station Chief: MSgt. Nathaniel Thomas

LANGLEY AFB, Va. (BWS)

1 OSS/OSW

190 E. Flightline Rd. , Langley AFB, Va. 23665
DSN 574-5909
Commander: Capt. Pat Dowling
Station Chief: MSgt. Paul Schirle

LANGLEY AFB, Va. (WSU)
ACC/WSU
205 Dodd Ave., Ste. 203A, Langley AFB, Va. 23665-2789
DSN: 574-2007/2008
Commander: Capt. Dawn Molzen

LAUGHLIN AFB, Texas
47 OSS/DOW
541 1st St., Ste. 2, Laughlin AFB, Texas, 78843-5210
DSN 732-5973/5870
Commander: 1st Lt. Mark LaJoie
Station Chief: MSgt. Robert DuFrane

LITTLE ROCK AFB, Ark.
314 OSS/OSW
2740 First St., Bldg. 120, Little Rock AFB, Ark., 72099-5060
DSN 731-6035/6939
Commander: Maj. Lorraine Pope
Station Chief: MSgt. Phil Thompson

LUKE AFB, Ariz.
56 OSS/OSW
14185 W. Falcon St., Luke AFB, Ariz. 85309-1629
DSN 896-6837
Commander: Capt. Stacey Nardi
Station Chief: SMSgt. Andrew Miller

MACDILL AFB, Fla.
6 OSS/OSW
7709 Hanger Loop, MacDill AFB, Fla. 33621-5205
DSN 968-2035
Flight Chief: MSgt. Dennis E. Napier

MALMSTROM AFB, Mont.
341 OSS/DOW
7224 Flighline Dr., Malmstrom AFB, Mont., 59402-7526
DSN 632-3154/2710
Commander: Capt. (Maj. Sel.) David M. Mucia
Station Chief: MSgt. Scott D. Weber

MARCH AFB, Calif.
722 OSS/OSW
2645 Graebner St., Ste. 3, March AFB, Calif. 92518-2264
DSN 947-3088/3037
Commander: Capt. (S) Bronco Ormuz
Station Chief: MSgt. Kathryn Miller

MAXWELL AFB, Ala.
42 OS/OSFW
120 W. Ash St., Bldg 844, Maxwell AFB, Ala. 36112-6608
DSN 493-3867/3868
Commander: Capt. John De Block
Station Chief: MSgt. Richard Pratt

MCCHORD AFB, Wash.
62 OSS/OSW
1172 E St., McChord AFB, Wash. 98438-1008
DSN 984-5489

Commander: Maj. David T. Miller
Station Chief: MSgt. Charles B. Siniff

MCCLELLAN AFB, Calif.
77 OSS/OSW
3028 Peacekeeper Way, Ste. 4, McClellan AFB, Calif. 95652-1020
DSN 633-6810
Detachment Chief:: SMSgt. Charles J. Evans Jr.
Station Chief: MSgt. Rick A. Suggs

MCCONNELL AFB, Kan.
22 OSS/OSW
53435 Kansas St., Ste. 110, McConnell AFB, Kan. 67221-3720
DSN 743-3705
Flight Commander: Capt. M. Rozema
Station Chief: MSgt. Anthony Northington

MCGUIRE AFB, N.J.
305 OSS/OSW
Bldg. 1730 Vandenberg Ave., McGuire AFB, N.J. 08641-5509
DSN 440-3992/3569
Flight Chief: Capt. Alan Strayer
Station Chief: MSgt. Dale Marks

MINOT AFB, N.D.
5 OSS/OSW
221 Flight Line Dr., Unit 2, Minot AFB, N.D. 58705-5021
DSN 453-2138
Commander: Maj. William R. Moak
Station Chief: MSgt. Michael E. Scott

MOODY AFB, Ga.
347 OSS/OSW
8227 Knights Way, Ste. 106, Moody AFB, Ga. 31699-1899
DSN 460-4557
Commander: Capt. Diane Norris
Station Chief: MSgt. Douglas Hardy

MOUNTAIN HOME AFB, Idaho
366 OSS/OSW
665 Thunderbolt St., Mt. Home AFB, Idaho 83648-5401
DSN 728-2253/6303
Commander: Maj. Daniel Cornell
Station Chief: MSgt. Harold D. Knocke

NELLIS AFB, Nev.
57 OSS/OSW
6278 Depot Rd., Ste. 102, Nellis AFB, Nev. 89191-7256
DSN 682-2481
Commander: Maj. Jimason J. Rand
Station Chief: MSgt. Jeffrey B. Dunn

OFFUTT AFB, Neb. (BWS)
55 OSS/OSWB
513 SAC Blvd., Ste. 101, Offutt AFB, Neb. 68113-2094
DSN 271-2073
Commander: Maj. (S) Ronald Dunic
Station Chief: MSgt. Terrance Hoss

OFFUTT AFB, Neb. (AFGWC)

HQ AFGWC
106 Peacekeeper Dr., Ste. 2N3, Offutt AFB, Neb.
86113-4039
DSN: 271-3380/5310
Commander: Col. Joseph Dushan

PATRICK AFB, Fla. (BWS)

45 WS
Bldg. 1201 Minuteman St., Patrick AFB, Fla. 32925-3238
DSN 854-7426/5915
Commander: Col. (S) Thomas C. Adang
Range Weather Operations Chief: Maj. Robert Thorpe

PATRICK AFB, Fla. (AFTAC)

AFTAC TNLW
1030 So. Highway A1A, Patrick AFB, Fla. 32925-3002
DSN 854-4533
Branch Chief: Capt. James E. Hammett Jr.
Station Chief: MSgt. (S) Mike Anson

PETERSON AFB, Colo. (BWS)

21 OSS/OGSW
125 W. Hamilton Ave., Peterson AFB, Colo. 80914-1220
DSN 834-4337
Commander: Capt. Nick Powell
Station Chief: MSgt. James Randolph

POPE AFB, N.C.

23 OSS/OSW
393 Surveyor Street, Pope AFB, N.C. 28303
DSN 486-2805
Commander: Capt. Salt Bacot
Station Chief: MSgt. Jacob Lee

RANDOLPH AFB, Texas (BWS)

12 OSS/DOW, H-08
1350 5th St. E., Randolph AFB, Texas 78150-4410
DSN 487-3538/3040
Commander: Capt. Brian Bjornson
Station Chief: MSgt. Scott Hill

REESE AFB, Texas

64 OSS/DOW
145 N. Davis Dr., Bldg. 79, 79489-5029
DSN 838-3435/3118
Commander: 1st Lt. Davis Byers
Station Chief: MSgt. Kevin Johnson

ROBINS AFB, Ga.

78 OSS/OSW
250 Eagle St., Ste. 202, Robins AFB, Ga. 31098-2602
DSN 468-3179
Commander: Capt. Robert E. Hardwick
Station Chief: MSgt. Robert J. Born

SCOTT AFB, Ill. (BWS)

375 OSS/OSW
433 Hanger Rd., Scott AFB, Ill. 62225-5029
DSN 576-8486/4147
Commander: Capt. Ann Y. Lee
Station Chief: MSgt. Pierre A. Mercier

SEYMOUR JOHNSON AFB, N.C.

4 OSS/OSW
1980 Curtiss Ave., Ste. 140, Seymour Johnson AFB,
N.C. 27531-2524

DSN 488-5305/5391
Commander: Capt. Mary Ann Kaschner
Station Chief: MSgt. Timothy Kearns

SHAW AFB, S.C

20 OSS/OSW
408 Killian Dr., Bldg. 615, Shaw AFB, S.C. 29152-5000
DSN 965-3018
Commander: Capt. James Nicol
Station Chief: SMSgt. Jeffrey Fleming

SHEPPARD AFB, Texas

80 OSS/DOW
620 J Ave., Ste. 3, Sheppard AFB, Texas 76311-2553
DSN 736-6482/4256
Commander: Capt. Mike Adams
Station Chief: MSgt. Ray Solberd

TINKER AFB, Okla. (BWS)

72 OSS/OWW
3800 A. Ave. Tinker AFB, Okla. 73145-9108
DSN 884-5477/3493
OIC: Capt. James L. Mitchell
Station Chief: MSgt. Michael D. Dougherety

TINKER AFB, Okla. (Det. 7, HQ AFGWC)

Det. 7, HQ AFGWC
7940 5th St., 2nd fl., Bldg. 10, (north side) Tinker
AFB, Okla. 73145-9195
DSN 339-7617
Commander: Lt. Col. G. Anderson White III

TRAVIS AFB, Calif.

60 OSS/WX
401 Burgan Blvd., Bldg. P4, Travis AFB, Calif. 94535-5986
DSN 837-3378
Commander: Capt. Vicki D. Michetti
Station Chief: MSgt. John D. Gerrish

TYNDALL AFB, Fla.

325 OSS/OSW, Stop 22
Tyndall AFB, Fla. 32403-5048
DSN 523-2857/2609
Commander: Maj. Steven Sycuro
Station Chief: MSgt. Dale Honhart

**U.S. AIR FORCE ACADEMY, Colo.
(Meteorological Lab)**

HQ USAFA/DFEG
2354 Fairchild Dr., Ste. 6K12, U.S. Air Force
Academy, Colo. 80840-6238
DSN 259-3067/2553
NCOIC: MSgt. Fabrice F. Clark

U.S. AIR FORCE ACADEMY, Colo. (BWS)

34 OSS/OSW
9206 Airfield Dr., Ste. 1, U.S. Air Force Academy,
Colo. 80840-2060
DSN 259-2537
Commander: Capt. Stephen A. Suthlerand
Station Chief: TSgt. Terrance N. Roberts

VANCE AFB, Okla.

71 OSS/OSW
623 Elam Rd., Ste. 110, Vance AFB, Okla. 73705-

5412
DSN 940-7885/7530
Commander: Capt. Kevin Trissell
Station Chief: MSgt. John A. Maddux

VANDENBERG AFB, Calif.

30 WS
900 Corral Rd., Bldg. 21150, Vandenberg AFB, Calif.
93437-5002
DSN 276-8022/3210
Commander: Lt. Col. Robert Miller
Station Chief: MSgt. William Gates

WHITEMAN AFB, Mo.

509 OSS/OSW
745 Arnold Ave., Ste. 1A, Whiteman AFB, Mo.
65305-5026
DSN 975-3665/3061
Commander: Capt. Karen Morris
Station Chief: MSgt. Charles Surls

WRIGHT-PATTERSON AFB, Ohio (BWS)

88 OSS/OSWB
5291 Skeel Ave., Wright-Patterson AFB, Ohio 45433-5231
DSN 787-4270
OIC: Capt. Robert Hauser
Station Chief: MSgt. Phil Roseberry

EUROPEAN WEATHER UNITS

RAF MILDENHALL, U.K.

100 OSS/DOW
Unit 4965, APO AE 09459-4965
DSN 238-2050/2551
Commander: Maj. Mark Weadon

RAF LAKENHEATH, U.K.

48 OSS/DOM
Unit 5245, Box 390, APO AE 09464-5390
DSN 226-2168/3660
Commander: Capt. Steven Cristy

AVIANO AB, Italy

401 OSS/OGSW
Unit 6170, APO AE 09601-6170
DSN 632-7207/7628
Commander: Capt. Stephen Romolo

SPANGDAHLEM AB, Germany

52 OSS/WEF
Unit 8870, Box 270, APO AE 09126-0270
DSN 452-6064/6749
Commander: Capt. Malcolm Walker

INCIRLIK AB, Turkey

39 OSS/OSW
Unit 7090, Box 115, APO AE 09824-0190
DSN 676-6878/6880
Commander: Capt. John Rogers

Army Detachments - Germany

HEIDELBERG

617 Weather Squadron
Unit 29351, APO AE 89814
DSN 370-8579

OBSERVER

Commander: Lt. Col. Malcom E. Gosdin Jr.

HEIDELBERG AAF

A Flt., 617 WS (AFOD)
Unit 29231, APO AE 09102-3737
DSN 370-8271
Det. Chief: SMSgt. Larry Broomfield
Station Chief: MSgt. Steve Potts

AUGSBURG

OL-A, 617 WS (UCIRF)
C/O 527 MI BN CMR 456, APO AE 09157
DSN 434-5805/ 5802
OIC: Capt. Kristina B. Monk
NCOIC: MSgt. (S) William Buttner

ECHTERDINGEN

OL-B, 617 WS (EUCOM)
CMR 423, APO AE 09107
DSN 421-4111/4220
NCOIC: TSgt. Joshua DeBord

PANZER

OL-C, 617 WS (1/10 SFG)
CMR 445, Box 260, APO AE 09046
DSN 431-2513
NCOIC: TSgt. Thomas J. Targaszewski

DARMSTADT

OL-D, 617 WS (32 AACOM)
C/O CMR 431, APO AE 09175
DSN 348-6668
NCOIC: SSgt. Scott Price

VICENZA, ITALY

OL-E, 617 WS, (USASETAF)
Unit 31401, Box 6, APO AE 09630-0006
DSN 634-7423/7240
OIC: 1st Lt. David C. Runge
NCOIC: TSgt. Robert J. Whittle

STUTTGART-VAHINGEN

Det. 1, 617 WS (USEUCOM)
HQ EUCOM ECJ33-WE
Unit 30400, Box 1000, APO AE 09128
DSN 834-7423/8147
Commander: Lt. Col. Nancy Harris

HANAU

Det. 2, 617 WS (4/1 AD)
Unit 20200, APO AE 09165-9616
DSN 322-7658/7664
Commander: Maj. Randall A. Skov
OIC: 2nd Lt. Robert N. LeeJoice
Station Chief: MSgt. Michael Moll

BAD KREUZNACH

OL-A, Det. 2, 617 WS (1 AD)
CMR 416, Box S, APO AE 09111
DSN 490-6408/6284
AIC: SrA. Franklin Edwards

ILLSHEIM

Det. 3, 617 WS (11 CAR)
CMR 416, Box S, APO AE 09140
DSN 467-4746/4557
Commander: Capt. Thomas E. Lambert
OIC: 2nd Lt. Tamara L. Parsons
Station Chief: MSgt. William C. Denny

TRABEN TRARBACH

Det. 4, 617 WS (EUCOM)
 Unit 7890, APO AE 09126-7890
 DSN 452-7336/7337
 Commander: Lt. Col. William Markert
 OIC: Capt. Mark Kaster
 Station Chief: SMSgt. Donald Land

KATTERBACH

Det 5, 617 WS (4/3 ID)
 CMR 454, APO AE 09250-5000
 DSN 467-2788/2789
 Commander: Capt. Robert W. Mahood
 Station Chief: MSgt. Udell F. Mentola

WIESBADEN

Det 6, 617 WS (12 CAB)
 Unit 29632, APO AE 09 09096
 DSN 337-5186
 Commander: Capt. Paul G. Nielsen
 OIC: 2nd Lt. Steve L. Renner
 Station Chief: MSgt. Douglas M. Rozich

GRAFENWOEHR

Det. 7, 617 WS (7 AIC)
 Unit 28130, APO AE 09114-5000
 DSN 8349/6253
 Det. Chief: SMSgt. Deborah A. Manning
 Station Chief: MSgt. Craig Helselmeyer

FRANKFURT

Det 8, 617 WS (V-CORPS)
 Unit 25202, APO AE 09079
 DSN 320-6367
 Commander: Lt. Col. Larry J. Becker
 OIC: Capt. (S) Gary K. Moy

SANDHOFEN

Det. 8, 617 WS (70 TRANS)
 Unit 29719, Box 363, APO AE 09028
 DSN 382-5309/5298
 Station Chief: MSgt. (S) Salinda A. Larabee

HOHENFELS

Det. 9, 617 WS (CMTC)
 Unit 28216, APO AE 09173-5000
 DSN 466-2093/2691
 Det. Chief: MSgt. John E. Beaton Jr.
 Station Chief: MSgt. (S) Bruce Perkins

GIEBELSTADT

Det. 10
 617 WS (3 ID(M))
 Unit 26410, APO AE 09182-0006
 DSN 352-7415/7245
 Commander: Maj. Michael R. Babcock
 Station Chief: MSgt. Charles S. Vinson

**PACIFIC WEATHER UNITS
HICKAM AFB**

15 OSS/OSW
 800 Hanger Ave, Hickam AFB, HI 96853-5244
 DSN 448-3122/7638
 OIC: Capt. L. Lee
 Station Chief: MSgt. G. Begg

WHEELER ARMY AIR FIELD

25 ASOS/DOW
 1102 Wright Ave, Wheeler AAF, HI 96854-5200
 DSN 656-6950
 Director of Weather: Maj. W. Miller
 Operations: MSgt. Fluegge

BRADSHAW ARMY AIR FIELD

OL-A, 25 ASOS
 Pohakuloa Training Area, APO AP 96556-5000
 DSN 536-2294
 NCOIC: TSgt. Powell
 Forecaster: SSgt. Hall

WHEELER ARMY AIR FIELD

199 WF/MA
 1102 Wright Ave., Wheeler AAF, Hawaii 96854-5200
 DSN 656-1216/1232
 Commander: Lt. Col. L. Kumata
 Station Manager: MSgt. Spurlin

WAIANAE MOUNTAIN RANGE, (Makakilo)

Det. 5, 50 WS
 10 Hickam Ct., Palehua Solar Observatory, Hickam
 AFB, Hawaii 96853-52554
 CMCL (315) 668-7774/7991
 Commander: Maj. J. Backes

KADENA AB

18 OSS/OSW
 Unit 5177, Box 40, AOP AP 96368-5177
 DSN 634-4515/3940
 Flight Commander: Maj. D. Brown
 Station Chief: SMSgt. Hardy

TORII STATION

18 OSS/OSWT
 Unit 5177, APO AP 96368-5177
 DSN 644-4277
 NCOIC: MSgt. M. Gilbert

YOKOTA AB

375 OSS/OSW
 Unit 5222, APO AP 96328-5222
 DSN 225-9005/4549
 Flight Commander: Lt. Col. Blevins
 Station Chief: MSgt. B. Hosein

CAMP ZAMA

OL-A, 374 OSS
 Unit 45007, APO AP 96343-5222
 DSN 263-5196
 AIC: SrA. M. Walker

MISAWA AB

25 OSS/OSW
 Unit 5011, APO AP 96319-5011
 DSN 226-3196/3685
 Flight Commander: Capt. Cramer
 Superintendent: MSgt. F. Henry

KUNSAN AB

8 OSS/OSW
 Unit 2139, APO AP 96264-2139
 DSN 782-4501/4262
 Flight Commander: Capt. B. Trigg
 Station Chief: MSgt. Woodford

OSAN AB
51 OSS/OSW
Unit 2263, APO AP 96278-2163
DSN 784-6332/5474
Flight Commander: Capt. C. Miller
Station Chief: MSgt. C. Fletcher

OSAN AB
603 ACCENS/DOW
Unit 2051, APO AP 96278-5000
DSN 784-6350
Flight Commander: Lt. Col. (S) Place

KOON NI RANGE
51 RANS/WX
Unit 2027, APO AP 96267-5456
DSN 784-6112/6113
NCOIC: SSgt. Butler

YONGSAN
607 WS
Unit 12173, APO AP 96205-0108
DSN 725-3517/3590
Commander: Lt. Col. J. Love
DO: Lt. Col. (S) Bensinger
ADO: CMSgt. J. Hahn

CAMP PAGE
OL-A, 607 WS
Unit 15630, APO AP 96208-0195
DSN 721-5321/5325
NCOIC: MSgt. Green

SEOUL
OL-B, 607 WS
Unit 15238, APO AP 96205-0011
DSN 741-6346/6500
NCOIC: SSgt. Benavides

CAMP EAGLE
OL-C, 607 WS
Unit 15676, APO AP 96297-0676
DSN 721-2200/2727
NCOIC: MSgt. Bradley

CAMP HUMPHREYS
Det. 2, 607 WS
Unit 15200, APO AP 96271-0136
DSN 753-7623/7744
Det. Chief: SMSgt. Holden
Station Chief: MSgt. B. Moyer

CAMP WAIKFR
OL-A, Det. 2, 607 WS
Unit 15673, APO AP 96216-0673
DSN 764-4333
AIC: SrA. Anghelescu

CAMP RED CLOUD
Det. 1, 607 WS
Unit 15674, APO AP 96258-0674
Commander: Capt. R. Arnold
NCOIC: MSgt. Reeves

CAMP STANLEY
OL-A, Det. 1, 607 WS

Unit 15675, APO AP 96257-0675
DSN 732-5767/5908
Station Chief: MSgt. Driskell

CAMP CASEY
OL-B, Det. 1, 607 WS
Unit 15118, APO AP 96224-0420
DSN 730-3628/3630
NCOIC: SSgt. Greenleaf

ELMENDORF AFB
3 OSS/WE
32235 7th St., Elmendorf AFB, AK 99506-3097
CMCL (317) 552-5201/3141
Flight Commander: Capt. K. Harding
Station Chief: MSgt. W. Shacklady

ELMENDORF AFB
611 OSS/WE
6900 9th St., Ste. 205, Elmendorf AFB, AK 99506-2250
CMCL (317) 552-4026/2382
Commander: Capt. Mark Miller
Forecast NCOIC: SMSgt. Nelson

FORT WAINWRIGHT
3 ASOS/WEATHER
3112 Broadway, Ste. 7, Eielson AFB, AK 99702-1850
CMCL (317) 353-7175/7082
Commander: Capt. J. Staley
Station Chief: MSgt. F. Lawson

EIELSON AFB
354 OSS/OSW
1215 Flightline Ave., Ste. 2, Eielson AFB, AK 99702-1520
CMCL (317) 377-3371/3152
Commander: Maj. Formosa
Station Chief: MSgt. Rahe

FORT RICHARDSON
OL-A, 611 OSS/WE
600 Richardson Dr., Fort Richardson, AK 99505-5210
DSN 384-2556/2564
NCOIC: MSgt. J. Gamash

EARECKSON AFS (Deactivates April 1995)
673 OPS/OSW
Unit 12509, APO AP 96513-2526
DSN 392-3500/3549
Operations Commander: Capt. Malec
Flight Chief: MSgt. Campbell

ANDERSEN AFB
36 OSS/OSW
Unit 14035, APO AP 96543-4035
DSN 366-8120/3176
Flight Commander: Maj. J. Hancock
Station Chief: MSgt. J. Miller

NIMITZ HILL NAVAL STATION
36 OSS/OSJ
PSC 489, Box 17, FPO AP 96536-0051
DSN 344-5240/6143
Flight Commander: Lt. Col. P. Morse



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