

Drug abuse ends 13-year-career

See Page 12.

Courtesy reminder to unit PAs:

The newspaper deadline is the 10th of each month for items appearing in the following month's AWS Observer. (Example for the November issue the deadline is the 10th of October). Those articles arriving after the 10th will be considered for the next available issue based on its news value. For more information call MSgt. Dave Black at AUTOVON 576-2065, or write AWS/PA, Scott AFB, Ill. 62225-5008.

CORRECTION:

Whoops! In last month's AWS Observer the last paragraph of the Command Line should have correctly stated: Newsletters describing the Association's objectives were sent to our units at AWA expense — NOT, repeat NOT, AWS expense as printed.

AWS OBSERVER

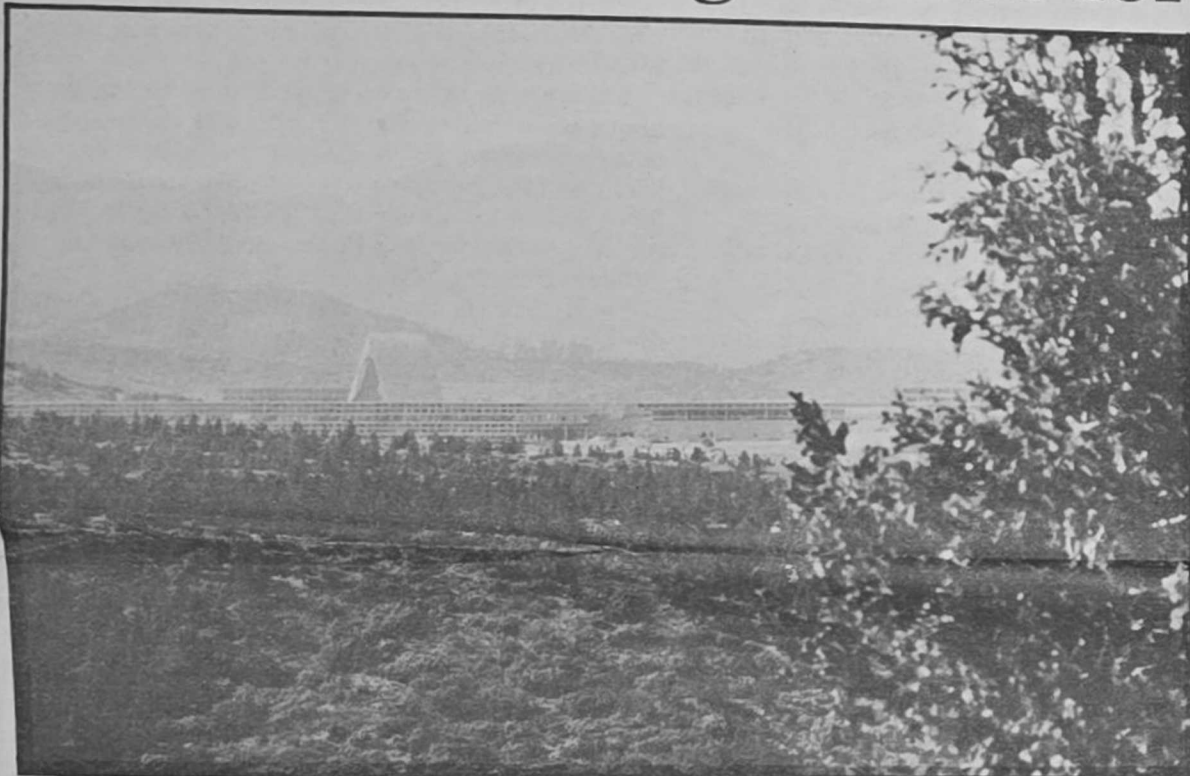


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HEADQUARTERS AIR WEATHER SERVICE

SEPTEMBER 1989

AWS forecasts high winds for higher education



Det. 6, 4th Weather Wing and the Air Force Academy have begun a new program to improve nowcasting of high winds at the academy's air field. (U.S. Air Force photo)

By Maj. Richard Fisher
and Capt. Lynnette Franchi

Det. 6, 4th Weather Wing, and the Air Force Academy have begun an innovative program to improve the nowcasting of high winds at the academy's airfield. The effort began in April 1987 with the installation of two automated weather stations at critical locations at the educational facility.

With the data from these and other stations to be installed later this year, OL-A, Det. 6, anticipates improved forecasts for the cadet airmanship program.

High winds generated along the lee side of the central Rockies have long

been the bane of aviators and a nemesis for forecasters. Chinooks, mountain waves and other phenomena common along the lee side of the Rampart Range overlooking the academy are a particular threat to parachutists and gliders.

The High Wind Alert System (HWAS) will provide forecasters with a quick-look, three-dimensional picture of the wind situation affecting the airfield at any moment.

The data for HWAS in its final configuration will come from seven 7-meter high automated weather stations and one Doppler acoustic sounder (sodar). The data from the weather stations will

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6th Weather Squadron fends off the JAGUAR BITE

By A1C David Jenkins,
2nd Lt. Richard Ney and
SSgt. Delilah Sullivan
Det. 75, 6WS

Members of 6th Weather Squadron pulled double duty earlier this year when they took on exercise JAGUAR BITE '89 while at the same time being inspected by the Military Airlift Command Inspector General (MAC IG).

JAGUAR BITE, a Joint Chiefs of Staff-coordinated, special operations field training exercise, is designed to test and evaluate employment of Army and Air Force special operations forces using a realistic battlefield scenario.

Exercise operations spanned from as far south as Florida, to as far north as

Michigan, and far east as North Carolina to as far west as Montana.

The MAC IG evaluated a number of units during JAGUAR BITE including the 1st Special Operations Wing (1 SOW) (AC/MC-130s and MH-53s), the 39th Special Operations Wing (39 SOW) (HC-130s, MH-60s and C-130 Special Operations Low Level II aircraft), 317th Tactical Airlift Squadron, the 193rd Special Operations Group (193 SOG) (EC-130s) and Det. 4, 1402 Military Airlift Squadron (C-21s).

In addition, the MAC IG tested the 6th Weather Squadron Special Operations Weather Team (SOWT) and Det. 75, 6th Weather Squadron.

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Col. Dale E. Stovall, commander of 1st Special Operations Weather Team, presents a 1st Special Operations Weather coin to TSgt. Roland R. Keene, NCOIC of 6th Weather Squadron Special Operations Weather Team for outstanding support during JAGUAR BITE '89. (U.S. Air Force photo)

Command Line



Brig. Gen. John J. Kelly Jr.
AWS Commander

Too many times, we assume that leadership, like integrity, is to be found or observed only in senior NCOs and senior officers. I submit leadership opportunities occur for each one of us, almost every day.

Certainly, some have more opportunities to demonstrate leadership by virtue of their job, that is, where we fit in the organizational setup; however, other opportunities occur,

Leadership — Everyone's Opportunity

either at work or off duty, in civic affairs or athletics, where each of us can rise to the occasion. So, I want to share with you some of my thoughts about the characteristics of a successful leader, and ask you to apply these in your daily lives, both on the job and while off duty:

Self-discipline

The successful leader is able to demonstrate this quality. She may have it more in some areas than in others, but in the specific area where you observe her strong leadership ability, self-discipline will surely be there.

Awareness of opportunity

The successful leader looks for ways to do the job better. He is continually assessing how the operation is going and has the courage of his convictions to recommend well-thought-through changes and then implement them to increase his productivity and that of his associates.

Decisiveness

The successful leader has the courage to act and do what's right, when necessary. She knows it is better to do something even if not perfect than to do nothing.

Accept responsibility

The successful leader always accepts responsibility. When problems occur, it's his fault and when success occurs, it's due to his subordinates.

Lead by walking about

The successful leader visits her people regularly in their respective work areas, observing their working conditions, listening to all their comments, and completely reading papers which they've prepared. She lets people know

that she knows they are there.

Appreciation for human values

The successful leader doesn't treat everyone the same way. He is sensitive to the fact that we're all different — and he capitalizes on those differences. He recognizes that "Our job is not to work with perfect people — but to work with imperfect people."

Cheerlead

The successful leader knows the value of available resources and works at getting the most out of those resources. She constantly motivates her people toward greater productivity and greater job satisfaction.

Integrity

The successful leader is one whom people admire a great deal. He demonstrates a set of characteristics or ideals which people can relate to, admire, and attempt to emulate.

I ask you to think on these things as you go about your daily activities. Look for these characteristics in others and be prepared to try them on for size when a leadership opportunity faces you — wherever that might be. And remember, leadership knows no rank, age, or gender.

Finally, never forget recognition of those who do the job every hour of every day — certainly, some do it better than others — but all contribute in a team effort. This anonymous quote says it all: "No person can be a great leader unless he takes genuine joy in the success of those under him."

You, men and women of Air Weather Service, are doing an important job and doing it well — your work does not go unnoticed.

Till next time.

Chief's corner

NCO Professional Military Education

While you are reading this column, your wing Professional Military Education (PME) selection board is selecting the NCOs that will be attending the NCO Academies (NCOA) and Leadership Schools (NCLS) during fiscal year 1990. In answer to several requests, I'm going to explain how the selection process works.

During January of each year, the Air Force Quota Distribution Workshop allocates quotas to each MAJCOM using the number of assigned eligibles as of the preceding October. Military Airlift Command (MAC) then distributes these quotas equitably within the command, based on the number of people eligible to attend.

Each Air Weather Service wing fills its quotas by the central selection process using the best qualified basis defined in AFR 50-39, Noncommissioned Officer Professional Military Education, and the geographical location of the eligibles.

The eligibility criteria, pending the printing of the new Air Force Regulation 50-39, is as follows:

NCLS — Technical sergeant selectees (Prior to assuming higher grade), Staff ser-

geants, and sergeants, on their second or subsequent enlistment, with over four years Total Active Federal Military Service (TAFMS). First term, six-year enlistees and those on 23-month extensions with over four years TAFMS are also eligible.

NCOA — Master sergeants and technical sergeants are eligible to attend. Senior master sergeant selectees and technical sergeant selectees cannot attend the NCOA.

The optimum target years for attendance are: NCLS — Staff sergeant with six years TAFMS; NCOA — Technical sergeant with 12 years TAFMS. Utilizing these target years gives a commander the opportunity to manage the NCO resource by ensuring needed supervisory education is obtained at a time of maximum benefit to the Air Force.

If you aren't selected this time, don't be too disappointed as you will have a chance again next year. Also, remember that the NCOA can be taken by correspondence. It will still help you on the job and it will enhance your chances of attending in residence.



CMSgt. John L. Williams
Senior Enlisted Advisor

Brig. Gen. John J. Kelly Jr.
AWS Commander
AWS Editorial Staff
MSgt. David L. Black
Editor

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AF supports new officer legislation

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The Air Force supports proposed legislation that would expand voluntary separation and retirement programs for officers.

The legislation would give the services more flexibility in how to reduce officer strengths, if such reductions are needed.

"We have never actively pursued the expansion of involuntary separation or retirement authority," said Gen. Larry D. Welch, chief of staff. The legislation proposed by the Department of Defense gives service secretaries authority to use to voluntarily and involuntarily retire or separate officers when reductions of 1 percent or more are directed in their service.

The proposed legislation would allow the service secretaries to:

- Cut the length of service of officers previously approved for continuation on active duty beyond their mandatory retirement or separation date.

- Lower commissioned service and time in grade requirements to encourage voluntary retirements. Now officers must have 20 years of service,

three years' time in grade to retire in that grade and at least 10 years' commissioned service to retire as an officer. The proposed legislation would lower the requirement to two years' time in grade and eight years' commissioned service.

- Authorize separation pay for officers identified by their service with five to 20 years of service who voluntarily resign.

- Expand the pool of senior officers eligible for selective retirement boards. The pool would include colonels with two years in grade and lieutenant colonels passed over once. Up to 30 percent of those considered could be retired.

- Select lieutenant colonels and below who could be retired at their earliest retirement date, normally at 20 years of service. This would be limited to officers within two years of retirement eligibility and does not apply to officers with a line number for promotion. Of those considered, up to 30 percent could be retired.

- Waive the "once considered, may not be consid-

ered for another five years" portion of the early retirement board action during periods of officer reductions.

The legislation states these authorities would be authorized in the year of the reduction and the following year. Involuntary measures could not be used until Oct. 1, 1990.

"It is important to note that even if approved by the Congress, the proposed legislation does not mandate the use of all of the provisions it contains, but gives the individual service secretaries the authority to implement only those provisions they deem necessary," said General Welch.

"Air Force leaders understand the impact involuntary separations and retirements have on the people selected. Our aim, through careful planning, is to handle reductions in force size using a balanced approach. That is reduced line accessions, increased voluntary losses, limited selective continuation, and as a last resort, involuntary losses," said the chief of staff.

DOD revamps acquisition program

Deputy Secretary of Defense Donald Atwood is revamping the Pentagon's commercial acquisition program, emphasizing reduced costs and simplified methods for buying commercial items.

Commercial products include those items that are readily available on the commercial market, such as a special wrench sold in a local hardware store.

Several studies and two defense science boards have cited the benefits the Department of Defense can gain by increased use of commercial products. These benefits include savings in research and development dollars, reduced acquisition lead time, improved quality

and reduced acquisition and support costs.

Mr. Atwood's plan takes a three-pronged approach to achieving reduced costs and simplified buying. It entails:

- Changing guidance related to buying commercial items.

- Providing tools directed at expanding DOD's capability to use commercial items.

Other highlights include:

- New guidance on preparing and using commercial item descriptions instead of military specifications of buying these products and services.

- Revising sections of the federal acquisition regulations dealing with the buying of commercial items, to include cost and

pricing requirements.

- A pilot program for using multiple award schedules for large dollar items such as construction equipment. Multiple award schedules are used mainly by the general services administration and list products that meet a generic product description along with price, delivery terms, etc. From this information buyers can select specific items that best suit their needs.

- Demonstrating DOD's ability to use commercial microcircuits and commercial hardware and software successfully.

- Meetings with industry to seek out and eliminate specific contract requirements that discourage commercial contractors from doing business with DOD.

hot off the wire...

Outstanding Unit! — The 48th Tactical Fighter Wing of RAF Lakenheath, United Kingdom, has been awarded the Air Force Outstanding Unit Award for exceptionally meritorious service July 1, 1986, to June 30, 1988. All personnel who were assigned to Det. 3, 28th Weather Squadron, during that time frame are entitled to wear the Outstanding Unit Award. Congratulations from HQ AWS!

Best in AFSC! — Capt. Robert C. Allen Jr., an Air Weather Service weather officer, has been named as Headquarters Air Force Systems Command Company Grade Officer of the Year for 1988. The captain is the only weather officer assigned directly to HQ AFSC. He is assigned to the Directorate of Strategic and Space Systems and the Deputy Chief of Staff of Technology and Requirements Planning. He is the command's manager of the atmospheric and space environmental science R&D programs. His responsibilities include two Geophysics Laboratory advanced technology development programs that invest approximately \$10 million per year in technologies for Electro-Optical Tactical Decision Aids, the Pre-strike Surveillance and Reconnaissance System, the Automated Weather Distribution System, atmospheric and space environmental modeling systems, and mitigation techniques for spacecraft-environment interactions. He is also the action officer on the AFSC staff for weather systems engineering development, the Automated Weather Distribution System, and Next Generation Weather Radar procurement programs. His greatest challenge of the year was putting together a plan to remanifest a complement of Geophysics Laboratory space experiments on expendable launch vehicles after the Challenger shuttle incident. Congratulations from HQ AWS!

Update! — Congratulations, Air Force people — you contributed nearly \$7.1 million to the 1989 Air Force Assistance Fund. The fund reached 152 percent of its goal and contributions help support the Enlisted Widows Home, Air Force Village and the Air Force Aid Society.

Military Discount! — Delta Airlines and USAIR have joined the list of carriers offering special furlough rates to uniformed men and women and their families. Delta is offering a 50 percent discount on regular coach fares on its domestic routes, as well as savings of 50 percent and more to destinations in Europe and Asia. Delta's discounts apply only to active-duty military, their families, and cadets enrolled in the U.S. military academies. USAIR offers fares that are 50 percent of the standard coach fares to active-duty people and their families. Braniff and American Airlines also participate in money-saving plans for vacationing military people. More information can be obtained by calling your local Scheduled Airline Ticket Office.

AWS Update

All E-5s step forward —

not so fast Sergeant Sambo! The Commander of Air Weather Service, Brig. Gen. John J. Kelly Jr., surprised SSgt., now TSgt. Joe Sambo, NCOIC Administration Communications, Headquarters Air Weather Service, Scott AFB, Ill., with an on-the-spot STEP promotion July 21, 1989. Sergeant Sambo has been recognized many times throughout his career — an example is his selection as 1987 AWS Outstanding Enlisted Administrator of the Year. He is also very active in community affairs. His work with the Scott AFB Filipino-American Association and Asian-Pacific Heritage Committee is especially noteworthy.



TSgt. Joe Sambo



TSgt. Keith E. Daniels

The Commander of 7th Weather Wing, Col. John P. Upchurch, also surprised SSgt., now TSgt. Keith E. Daniels, McGuire AFB, N.J., with an on-the-spot promotion via telephone July 24, 1989. Sergeant Daniels has been recognized many times for his superior forecast products. He's also been cited for his work on deployments from Goose Bay, Canada to Bagdad, Iraq. He won the 1985 1st Weather Wing Safety NCO of the Year award and the MAC Distinguished Individual Safety Award. In addition, his community involvement added to his selection as 15th Weather Squadron NCO of the Year for 1988. Congratulations from HQ AWS!

Taking Charge! — Lt. Col. Gerald F. Riley Jr., took charge of the 3rd Weather Squadron, Shaw AFB, S.C., recently in a ceremony officiated by 3rd Weather Wing Commander, Col. William S. Koenemann. He assumed command from Lt. Col. William R. Johnson Jr., who leaves the squadron to attend Air War College. "I'm quite proud to accept the challenge of this command. Colonel Johnson has done an outstanding job with the squadron and its people. I hope that we can be in an even better position in two years when it is my turn to relinquish command," said Colonel Riley. Colonel Riley has a master's degree in meteorology from the Massachusetts Institute of Technology. His previous assignment was as chief of Weather Operations and Doctrine, Headquarters U.S. Air Force.



Lt. Col. Gerald F. Riley Jr.

TAEGU — Rising from the grave

By Sgt. Karen E. West
Det. 15, 30th Weather Squadron

Like a Phoenix rising from the ashes, OL-C, Det. 15, 30WS, Taegu AB, South Korea, rises from a certain death to a full fledged detachment.

In January 1988, the Air Force announced deactivation of the 497th Tactical Fighter Squadron at Taegu. By September, deactivation checklists and Pacific Air Forces (PACAF) Programming Plan 88-4 had already been received and were being initiated.

In October, the Commander in Chief, PACAF, Gen. Merrill A. McPeak, was scouting for a new home for the Tactical Reconnaissance Forces assigned in the theater. Due to Taegu's location close to the demilitarized zone, and its close proximity to Japan, CINCPACAF selected it to be the new home for RF-4Cs from Osan AB and Kadena AB.

Presently an OL-C of Det. 15, 30th Weather Squadron, the unit was informed that not only would it remain open, but it would expand to a full

detachment (Det. 1, 30WS) by July 1989.

Showing their flexibility, detachment members shifted gears from unit deactivation to activating a new unit. When fully operational the detachment will have a total of eight people assigned.

SMSgt. Richard Whisnant will be the first Detachment Chief at Det. 1. By December 1989, the detachment will support approximately 23 RF-4Cs accomplishing tactical reconnaissance in Korea and Japan.

Dependent Dental Plan alive and well

Since its beginning two years ago, more than 189,000 Air Force families have enrolled in the active duty Dependent Dental Plan (DDP). Sixty-four percent of those eligible are enrolled in DDP.

The program is administered by Delta Dental of California. More than 104,000 dental offices across the country participate in the program. Some advertise their participation, and the health benefits advisor at each military medical facility has a list of all participating dentists. The list is updated quarterly.

The DDP offers diagnostic and preventive services to include cleaning and X-rays twice a year at no extra charge. It also provides for minor restorative work such as fillings, with a 20 percent

cost share by the member.

Families enrolled in DDP can use on-base dental facilities on a space-available basis for care not covered under the plan.

The plan features two monthly premiums. Through payroll deduction, sponsors with only one family member enrolled pay \$3.93 and sponsors with more than one pay \$7.86.

There are no automatic enrollments or disenrollments in the plan. The exception to this is family members of basic trainees at Lackland AFB, Texas, who are automatically enrolled in DDP.

Those wishing to enroll or disenroll their families can contact the customer service section of their local consolidated base personnel office. Once enrolled, sponsors

must keep their family members in the program for a minimum of two years (24 consecutive premium payments).

Exceptions to this requirement are authorized when:

- the sponsor is reassigned over 50 miles away.
- the sponsor leaves the Air Force.
- the sponsor loses all family members (other than divorce)
- the spouse becomes eligible for an employer-sponsored dental insurance program.

Specific details of the DDP program are included in the DDP evidence of coverage booklet, available from all health benefits advisors, CBPOs and participating DDP providers.

HQ AWS welcomes new personnel director

Welcome aboard to TSgt. Judy M. Rider, Headquarters Air Weather Service, chief of Personnel. Sergeant Rider arrived July 31, 1989, from the Consolidated Base Personnel Office at Scott AFB, Ill.

She assumed the AWS personnel position that MSgt. Mike Burroughs held for nearly six years. Sergeant

Rider is available for help on all personnel matters pertaining to members of the command. If you need information or have any questions involving a personnel item, please contact Sergeant Rider at AUTOVON 576-3361



ETAC commander hands over 'Scepter of Authority'

Col. William B. Freeman Jr. relinquished command of the Air Force Environmental Technical Applications Center (ETAC) to Col. Vernon G. Patterson in an official ceremony held July 7 at Scott AFB.

Colonel Freeman expressed his thanks to the

people of ETAC for their support and dedication during the short ceremony. He said that in assuming command of ETAC on July 20, 1988, he had achieved a long-time personal goal.

Colonel Freeman and his wife, Julie, and their sons, Will and Andrew, will be

moving to Colorado Springs, Colo., where he will be the new vice commander of the 4th Weather Wing.

A large audience was present to wish Colonel Freeman and his family the best, and to welcome ETAC's new commander.

Colonel Patterson comes to ETAC from Headquarters 7th Weather Wing also located at Scott, where he served as operations division chief with concurrent duties as Military Airlift Command's requirements division chief.

Colonel Patterson was born in Raymond, Wash., June 12, 1943. He received a bachelor of science degree in physics from Washington State University and was commissioned in 1966.

He received a masters degree in meteorology from the University of Michigan in 1971 and a masters degree in science management from the University of Alaska in 1981.

Colonel Patterson is a graduate of Squadron Officer School, Air Command

and Staff College, and Air War College.

Colonel Patterson is not new to ETAC, having spent two prior tours there. After completing basic meteorology at San Jose State University in June 1967, Colonel Patterson served two years as an environmental analyst at ETAC which then was located in Washington, D.C.

He then attended graduate school at the University of Michigan through the Air Force Institute of Technology.

Colonel Patterson returned to ETAC in 1970 as chief, space environmental support section and liaison to the National Space Science Data Center.

He began doctoral studies in space physics at the University of Alaska through AFIT in 1974. Colonel Patterson's next assignment was to the Air Force Global Weather Central, Offutt AFB, Neb., in 1977, where he was assigned to the technical services division.

In 1981, he became the commander of Detachment 10, 30th Weather Squadron at Kunsan AB, Korea.

He returned to Scott in 1982 as chief, aerospace physics and space sciences division and chief, directorate of aerospace development at Air Weather Service headquarters.

During this period, he was also a key member of the Air Force Systems Command/Military Airlift Command Weather 2000 project.

In June 1985, Colonel Patterson was assigned to Nimitz Hill, Guam, where he was commander of Detachment 1, 1st Weather Wing and director of the Joint Typhoon Warning Center. He again returned to Scott in July 1987 as 7th Weather Wing's operations division chief.

Colonel Patterson's awards include the Defense Meritorious Service Medal, the Meritorious Service Medal with two oak leaf clusters, and the Air Force Commendation Medal.



Col. Vernon G. Patterson accepts the "Scepter of Authority" from Col. William B. Freeman Jr. during the change of command ceremony for ETAC at Scott AFB, Ill. (U.S. Air Force photo)

Col. Tracy takes charge of 4th Weather Wing

By Maj. Peter Morse
4WW Public Affairs

Col. Charles H. Tracy became the new commander of 4th Weather Wing (4WW) in a ceremony officiated by the Commander of Air Weather Service, Brig. Gen. John J. Kelly Jr., June 16, 1989.

He succeeded Col. Gene J. Pfeffer, who became the director of Program Management at Headquarters, Air Weather Service.

The new 4WW commander was assigned previously as the commander of 2nd Weather Squadron, Andrews AFB, Md., with concurrent duty as the staff meteorologist to Air Force Systems Command.

In taking charge of the wing, Colonel Tracy thanked the AWS commander for the opportunity to serve as the 4WW commander. Colonel Tracy noted that being a commander was the best job an officer could have and he was fortunate since this was his third opportunity to serve in that capacity. He

also acknowledged the 4WW mission as particularly challenging.

The 4WW supports three major commands: North American Air Defense Command, Air Force Space Command and the Air Force Systems Command. Environmental support from outer space to the surface of the earth, both present and well into the future, is required from all who work in 4WW and its units.

Colonel Tracy was born Nov. 10, 1941, in Oklahoma City, Okla. He enlisted in the Air Force in February 1960. He received his bachelor of science degree in meteorology from the University of Oklahoma and received his commission through Officer Training School, Lackland AFB, Texas, in 1966.

Colonel Tracy later received a master of business administration degree at Southern Illinois University, Edwardsville, Ill. He also completed Squadron Officer's School, Armed Forces Staff College and Air War College in residence

and the National Security Management Course by correspondence.

Following commissioning, Colonel Tracy served as a weather officer providing forecasting support to the San Antonio Air Logistics Center and the USAF Security Service, Kelly AFB, Texas.

His next assignment came in May 1968 when Colonel Tracy was a joint weather officer in Taiwan, providing forecasting and staff support to the U.S. Taiwan Defense Command and the 327th Air Division. He also provided assistance to the U.S. Military Assistance Advisory Group to the Republic of China Air Force Weather Wing and supervised Chinese Air Force weather satellite readout operations.

In March 1970, he was transferred to Scott AFB, Ill., where he served as aide-de-camp to the commander of Air Weather Service and later as an operations staff officer for quality control.

In July 1974, Colonel

Tracy moved back to Kelly AFB, where he commanded Det. 7, 15th Weather Squadron.

After completing Armed Forces Staff College in January 1977, he was assigned to 2nd Weather Wing Headquarters, Kapaun AS, West Germany, as the NATO weather plans officer providing support to the Allied Air Forces Central Europe and the 4th Allied Tactical Air Force.

In June 1981, Colonel Tracy returned to Scott AFB, as chief of the Headquarters Military Airlift Command Inspector General Weather Branch. Two years later, he was assigned to Headquarters Air Weather Service as the director of Current Operations.

Upon completion of Air War College in 1986, he was assigned to the Air Force Secretariat, the Pentagon, D.C. In that assignment, he was the deputy division chief, Space Systems Division, Directorate of Space and Strategic Defense Ini-

tiative Programs, Office of the Assistant Secretary of the Air Force (Acquisition).

He also served for a brief period as the acting division chief and acting Space Panel chairman. Colonel Tracy assumed command of the 2nd Weather Squadron in September 1987.

Colonel Tracy is married to the former Susan Velt of Corpus Christi, Texas. They have three children: Dee Ann, Deborah and Charles.



Col. Charles H. Tracy
Commander, 4th WW

6th Weather Squadron members have NITRO in their veins



1st Special Operations Weather Team Commander, Col. Dale E. Stovall, presents a certificate of recognition to A1C Kevin A. Josephson for a job well done during JAGUAR BITE '89.



— but that might be 'stretchin' this JAGUAR tale a touch!

Continued from page 1

Det. 75 members suspected that they would be evaluated during JAGUAR BITE '89, but they were unable to prepare for it other than through normal mobility training.

Within 24 hours after the "Frag Order" was issued, the 6th Weather Squadron SOWT deployed to Fort Campbell, Ky. Two teams comprised of a forecaster and an observer deployed to Fort Chaffee, Ark., and Fort Bragg, N.C., to link up with members of the Army's 1st Special Forces Group.

First Lt. Michael J. Sharkey, officer-in-charge of the SOWT, coordinated airlift requirements for the redeployment of the two teams within the first 24 hours after arriving at Fort Campbell.

After the SOWT elements relocated and went through the required isolation period, they deployed into two operating areas. TSgt. Gilbert Hine, assistant jump master, joined by Sgt. John D. Cox, the team's observer, parachuted into an operating area in Montana. After they were in the field four days, a combination of cold, wind, and snow shut down the area to all air and ground operations.

During deployment, the two-man team endured 35-degree below zero temperatures with wind-chill factors plunging to minus 65-degrees below. They transmit-

ted 14 observations on time and as planned for a 100 percent effectiveness rate. The observations had direct impact whether air missions were flown or modified for safety.

Lieutenant Sharkey and Sgt. Roland Gonzalez manned homebase weather operations at Fort Campbell, relaying weather observations to the Air Force Special Operations Center (AFSOC) weather team and, when necessary, directly to the airborne crews enroute to their targets.

The second team comprised of SSgt. Cory W. Knowles and A1C Daniel L. Stark air-landed into the upper Michigan area. After touchdown, they traveled 20 kilometers cross country on snowshoes to support operations. Upon reaching their destination, they made 30 of 33 scheduled transmissions for a 91 percent effectiveness rate.

Like the Montana team, most observations were tailored for scheduled missions and because of lake effect snowshowers, cold, and windy conditions, they were critical to mission success.

Satellite Communications radios were issued to the team upon departure. The combination of the radios with their digital message decoder group devices proved so effective that the Army also used the radios in message transmission.

Det. 75, 6th Weather Squadron, supports the 1 SOW "anytime and anywhere." The unit proved it could handle the job as the IG cited the detachment for a splendid job. During the deployment phase, the unit did even better.

When the Frag Order dropped, the detachment was tasked for more forecasts than there were assigned. Two forecasters from 6th Weather Squadron detachments and one from 4th Weather Wing stepped in to help out.

With the personnel problem solved, 2nd Lt. Richard Ney, the detachment's wing weather officer, coordinated weather personnel requirements in the adjustment group meeting and added the Goldwing high frequency radio system to the deployment plan.

Four of the seven deploying members left within 18 hours of the Frag Order and two others deployed within 36 hours.

The AFSOC weather contingency included Capt. Kevin Johnston; SSgts. Michael R. Brenner, Naomi Archer, and David C. Esparza; and A1C Kevin A. Josephson. The deployment was Airman Josephson's first. Second Lt. Brian Waranaukas and SSgt. David A. Bird deployed from Scott AFB, Ill., as augmentees to the AFSOC operation.

The AFSOC was tasked as

the mission support center for all airframes in the exercise. To perform this role, the 1 SOW Special Operations Communications Element terminated a dedicated teletype circuit. The weather team used an Alden 9315-TRT to intercept HF FAX and an Alden WEFAX to receive GOES imagery.

To transmit data, forecasts, and messages forward to the Air Force Special Operations Detachment (AFSOD), the AFSOC used the Goldwing HF radio system in conjunction with assets of the 1 SOW Communications Element (secure FAX, TTY, and voice).

With the Goldwing system received just two weeks prior to deployment and the 9315-TRTs received just three days prior — much training was needed. In addition to training, Lieutenant Ney took the initiative to load the MARK II TDA, the Navy's Integrated Refractive Effects Prediction System (IREPS) program, and a light program into the Goldwing software package that uses a grid computer. This provided the detachment with a capability never seen before in a tactical environment. Communications effectiveness with the Goldwing system was better than 90 percent, exceptional during daylight hours.

At the AFSOD, Lieutenant Ney ran the show with

SSgt. Bruce W. Perkins and TSgt. Newton A. Reid, an augmentee from Det. 10, 2nd Weather Squadron. They had all the equipment that the AFSOC had except for the dedicated TTY circuit and they directly supported the MH-53s, MH-60s and HC-130 aircraft.

The AFSOC and AFSOD flew a total of 179 missions including infiltrations, resupply, exfiltration, air refueling and weapons. Weather was critical to operations and many times the missions had to be replanned or modified due to weather. Thirty-nine missions were cancelled.

Forecasting effectiveness for all air missions was 94 percent. During the inspection, Detachment 75 members provided night vision goggle detection ranges and radar coverage forecasts calculated from the Navy's IREPS. The night vision goggle forecasts proved very accurate as 24 of 25 debriefs from aircrews verified detection range within 1/2 mile of forecast range.

After the exercise, the 1 SOW Commander, Col. Dale E. Stovall, commented that he never witnessed better weather support. In a ceremony at the detachment, he presented 1 SOW coins to all deployed weather personnel and to SSgt. Ortho D. Price, supply custodian, for outstanding work obtaining necessary equipment.

Our motto: — WILLING AND ABLE

6th Weather Squadron

MISSION: ANYTIME, ANYPLACE

The mission of 6th Weather Squadron is to provide rawinsonde, PIBAL, and surface observations for wartime operations, contingencies, readiness/training exercises, national emergencies, and peacetime research, development, testing and evaluation activities. A weather support cell supports the 23rd Air Force Operations Center. A Special Operations Weather Team (SOWT) is deployable to support Special Operations Forces worldwide.

6th Weather Squadron (Mobile) Hurlburt Field, Florida

LINEAGE: Constituted as the Air Corps Detachment, Weather, Panama, on Nov. 15, 1940, it was activated at Albrook Field, Canal Zone, and assigned to the Panama Canal Air Force (later Caribbean Air Force and Sixth Air Force) on Dec. 11, 1940. It was redesignated as the 6th Air Corps Squadron, Weather (Regional Control) on Nov. 18, 1941. It was redesignated as the 6th Air Corps Squadron, Weather (Regional Control) on May 1, 1942, and as the 6th Weather Squadron on Sept. 14, 1942. It was assigned under the 8th Weather Group (AFCON) on Jan. 14, 1946, and moved to Patrick AFB, Fla., on April 5, 1950. The 6th was assigned to Air Weather Service on May 2, 1951. It was assigned to the 6th Weather Group and moved to Tinker AFB, Okla., on May 20, 1952. It was redesignated as the 6th Weather Squadron (Mobile) on Aug. 1, 1952, and on Jan. 20, 1953, assigned directly to Air Weather Service. The 6th Weather Squadron (Mobile) was assigned in place to the 4th Weather Group on Nov. 1, 1956, and to the 6th Weather Wing on Oct. 8, 1965. On July 1, 1971, it was assigned to the 7th Weather Wing, and on June 30, 1972, to the 5th Weather Wing. The 6th was assigned in place to the 7th Weather Wing on Jan. 1, 1976 and moved to Eglin AFB, Fla., on June 28, 1985. On July 10, 1985, 6th Weather Squadron site became Hurlburt Field, Fla.

AWARDS: Service streamer, American Theater, World War II, Dec. 7, 1941 — March 2, 1946; Air Force Outstanding Unit Award for July 1, 1964 — June 30, 1966; July 1, 1987 — June 30, 1969; Jan. 1, 1970 — Dec. 31, 1971; July 1, 1972 — June 30, 1973; July 1, 1973 — Dec. 31, 1974; July 1, 1977 — June 30, 1979.

Organizational Chart 6th Weather Squadron Hurlburt Field, Fla.

Upper Air Section + SOWT

Det. 9,
Scott AFB, Ill.

Det. 23,
Kirtland AFB, N.M.

Det. 75,
Hurlburt Field, Fla.



Sgt. John D. Cox, team observer, parachuted into a Montana operating area during the JAGUAR BITE exercise for weather observations.

FIRST EMBLEM: Approved on Dec. 14, 1943, for 6th Weather Squadron (Regional). Significance — The insignia is representative of weather phenomena in the tropical regions. The six red stars spaced equidistant around the border of the disc depict the numerical designation of the squadron.



SECOND EMBLEM: Approved Aug. 20, 1958, for 6th Weather Squadron (Mobile). Significance — The American Bald eagle symbolizes the strength, speed, and alertness of the United States and the 6th Weather Squadron (Mobile). The "tornado alley" and the atomic energy projects supported by the squadron are symbolized by the tornado funnel and atom nuclear symbol. The ground mobile device portrays an important item of equipment. Severe weather warning is symbolized by the cloud and lightning.



MESS WITH THE BEST — DIE WITH THE REST!



Top photo: A1C Kevin A. Josephson at the display board. Right photo shows Capt. Kevin Johnston and SSgt. Michael A. Brenner manning the Air Force Special Operations Center (AFSOC) during JAGUAR BITE '89. (U.S. Air Force photos)

SPECIAL OPERATIONS WEATHER TEAM (SOWT) BERET FLASH:

This cloth insignia was authorized for wear on the dark blue beret in the spring of 1979. It was shield-shaped with the field divided diagonally in two colors from upper right to lower left (upper left in ultramarine blue, lower right in black). The insignia was bordered in golden yellow. Officers wore their rank insignia centered on the flash. Enlisted members wore their parachute qualification badges centered on the flash. In 1986 the light grey beret, the color originally worn by Vietnam era Special Operations weathermen, was approved for wear by the Special Operations Weather Team personnel.

SPECIAL OPERATIONS WEATHER TEAM BERET CREST:

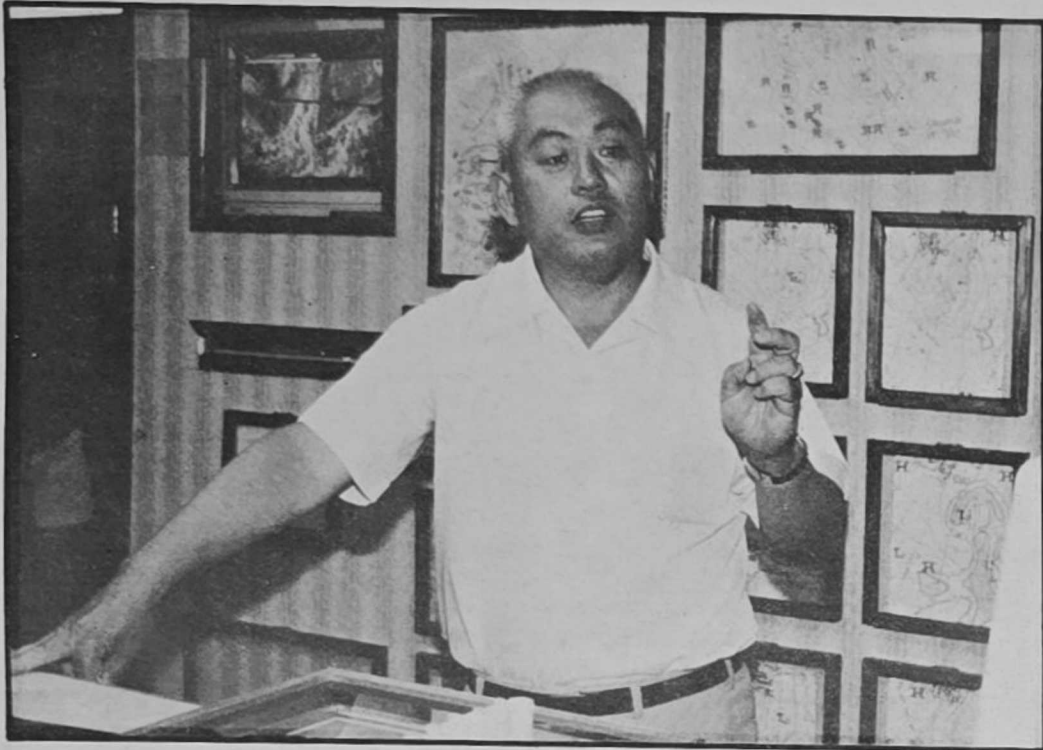
This crest was approved on July 9, 1986, for wear by all ranks on the Air Weather Service parachutists beret. The field of the crest is equally divided by a diagonal line. A parachute with the letters USAF, a dagger, and lightning bolts (crossed over the parachute and under the dagger) are centered on the field. There is a scroll at the base of the crest with the letters "Air Weather Service." The crest is surrounded by a band with the words: "Special Operations Weather Team." The current pewter gray relief crest is worn on the Beret affixed to the Beret Flash.



SOWT Beret



Continuity factor? No problem, check with the doctor



They call him Dr. Yi!

Talk about continuity — his co-workers may not really call him doctor, but with 25 years experience at one location maybe they ought to. Above, Mr. Yi briefs a customer. (U.S. Air Force photo by Lt. Col. Stephen Carroll)

By 1st Lt. Scott Heckman
Det. 15, 30WS

All forecasters understand the value of experience. How about 25 years at one station? Mr. Yi Chong Kwan, civilian forecaster at Det. 15, 30WS, at Osan AB, Korea, celebrated 25 years at the Osan base weather station on July 8, 1989.

Mr. Yi began his weather career as a Republic of Korea Air Force observer and forecaster. He completed the U.S. Air Force forecaster school at Chanute in 1960. He returned to Chanute in 1969 as a U.S. Air Force employee to attend several supplemental weather courses including satellite, radar and tropical meteorology.

During a ceremony at the base weather station, Det. 15's commander, Lt. Col. Stephen Carroll said, "Mr. Yi has had a positive effect on

literally hundreds of weather officers and NCOs during his tenure at Det. 15.

Aircrews recognize him when they return to Osan. He has come to be a symbol of quality weather support for the base.

Mr. Yi also received a congratulatory letter from Brig. Gen. John J. Kelly Jr., commander of Air Weather Serv-

ice, and a unit plaque commemorating the occasion.

Mr. Yi is active in the international Rotary Club and he's a world traveler. He toured the United States and Europe in 1986 and has plans to visit Australia this fall.

As Mr. Yi reaches the point where he has worked at Det. 15 longer than the ages of his co-workers, you'd think he would give it up soon. He says he'll retire at the age of 60 in 1994, after 30 years in Air Weather Service.

San Antonio honors weather flight NCO

MSgt. Albert W. Koenig III has won the Greater San Antonio Chamber of Commerce's 1989 Top Reserve Noncommissioned Officer of the Year Award.

Sergeant Koenig is a member of the 182nd Weather Flight of the Texas Air National Guard's 149th Tactical Fighter Group at Kelly AFB, Texas.

Competing against Sergeant Koenig for the chamber honor were noncommissioned officers nominated by the Reserve components of the Army, Navy, Marine Corps, Air Force, and Coast Guard.

The chamber judged active duty and reserve nominees on the basis of their

contributions to the civilian and military communities in San Antonio.

In the 182nd, Sergeant Koenig is chief of Weather Operations and as the senior enlisted weather forecaster for the 2nd Armored Division combat weather team, he is the only Air National Guard NCO meteorologist in the United States assigned to support an active-duty Army division.

Sergeant Koenig graduated in August from the University of Texas at San Antonio with a degree in business administration in management. His decision to leave the U.S. Navy to complete his civilian education was made after 13 years of active duty service, which included four tours of duty to Antarctica where he served as assistant station manager of "Byrd Camp."

Guest of honor at the Greater San Antonio Chamber of Commerce awards luncheon was Admiral William J. Crowe, chairman of the Joint Chiefs of Staff, who presented awards to each service winner. Texas Governor William P. Clements was also among the distinguished guests.

"I don't know that I've done anything extraordinary to deserve this," Sergeant Koenig said after receiving his award, "but here at the 149th, I've had the privilege of working with the best people I've come up against in 16 years of military service."



MSgt. Albert W. Koenig III

Weather Flight follows storms

Tornadoes visited Fort Hood, Texas one week, and the Texas Air National Guard's 182nd Weather Flight visited Fort Hood the next week — and the next. It just happened that way.

The 182nd Weather Flight is part of the 149th Tactical Fighter Group, but does much of its training separately from the group, which is stationed at Kelly AFB, Texas.

The weather flight recently had its annual training at Fort Hood. From May 14-28, the flight participated in a "self-generated" exercise to prepare for the second week of exercise READY PHANTOM 2-89.

The mission was to deploy, set up camp, take weather observations and report the observations by radio to the unit commander. Preparations included setting up camp in a camouflaged environment, securing trucks under foliage and camouflage netting (to hide them from both air and ground observation), covering equipment (to keep it dry) and stringing hammocks.

The week also included physical training and several briefings. Sgt. Anthony Bun-

ton of the U.S. Army HHC 1st Cavalry, Group 2, provided weapons training on the light anti-tank weapon, the Claymore mine, hand grenades and the 40mm grenade launcher.

Sgt. Ricky Lantrip of Det. 14, 25th Weather Squadron, Fort Hood, briefed the 182nd Weather Flight on the Goldwing II computer system. Sgt. Cody of the U.S. Army gave the final brief on first aid and buddy care.

From May 22-26, the 182nd Weather Flight participated with the U.S. Army III Corps in READY PHANTOM 2-89. The 182nd Weather Flight, commanded by Maj. Atlee Fritz, provided weather services for the exercise similar to those practiced during the previous week.

Other 182nd Weather Flight members participating in the two-week training included: 1st Lt. Trinidad Rendon, MSgt. Albert Koenig, SSgt. Darrell Desai, SSgt. Lora Friello, Sgt. Tommy Moreno, Sgt. Paul Mongillo, SrA. Patrick Mooney, A1C Roberto Gonzalez and Amn. Daron Lofton.

AWS uses Sodar to protect Academy pilots

Continued from page 1
be updated and sent every minute via radio signal to a computer at OL-A.

The computer, which is operating now with the first two stations, provides a continuous display of the data last sent. It is also programmed to sound an alarm alerting the forecaster to conditions that threaten avia-

tion activities. Once the alarm is set off, the forecaster takes the necessary steps to alert aviators.

The sodar, a vertical wind and turbulence profiling instrument, is found at a few other Air Force locations including both the Eastern and Western Test Ranges. It uses a 1500 Hertz pulse

reflected off aerosols aloft to compute the horizontal and vertical wind speed and direction at 30 levels

in the near surface atmosphere. The nominal vertical range for reliable sensing was found,

in a test at the academy last year, to be about 600 meters. Sodar data will be available to the forecaster about every 15

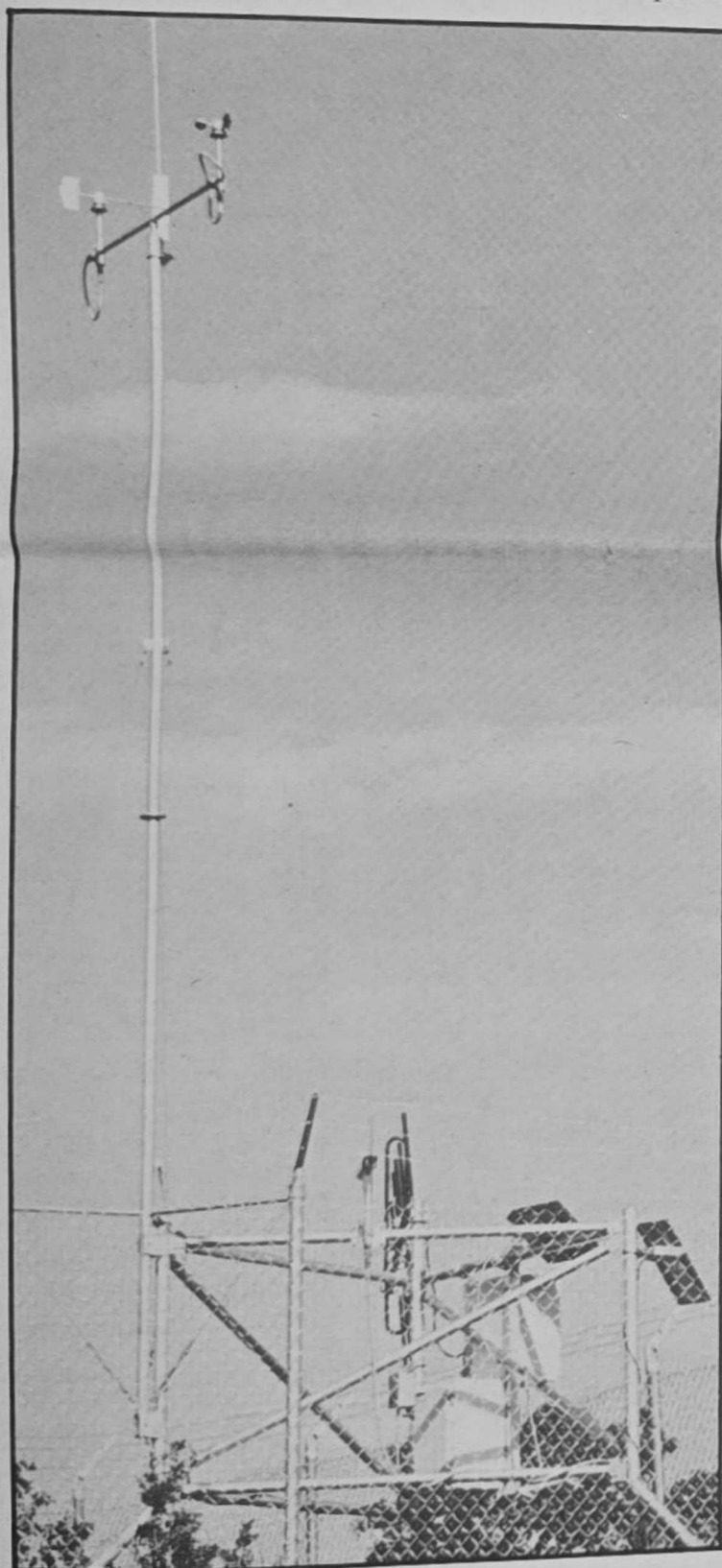
minutes via telephone line and displayed on a Zenith 248 computer.

The collection of descriptive data of the near surface atmosphere is only the beginning in an

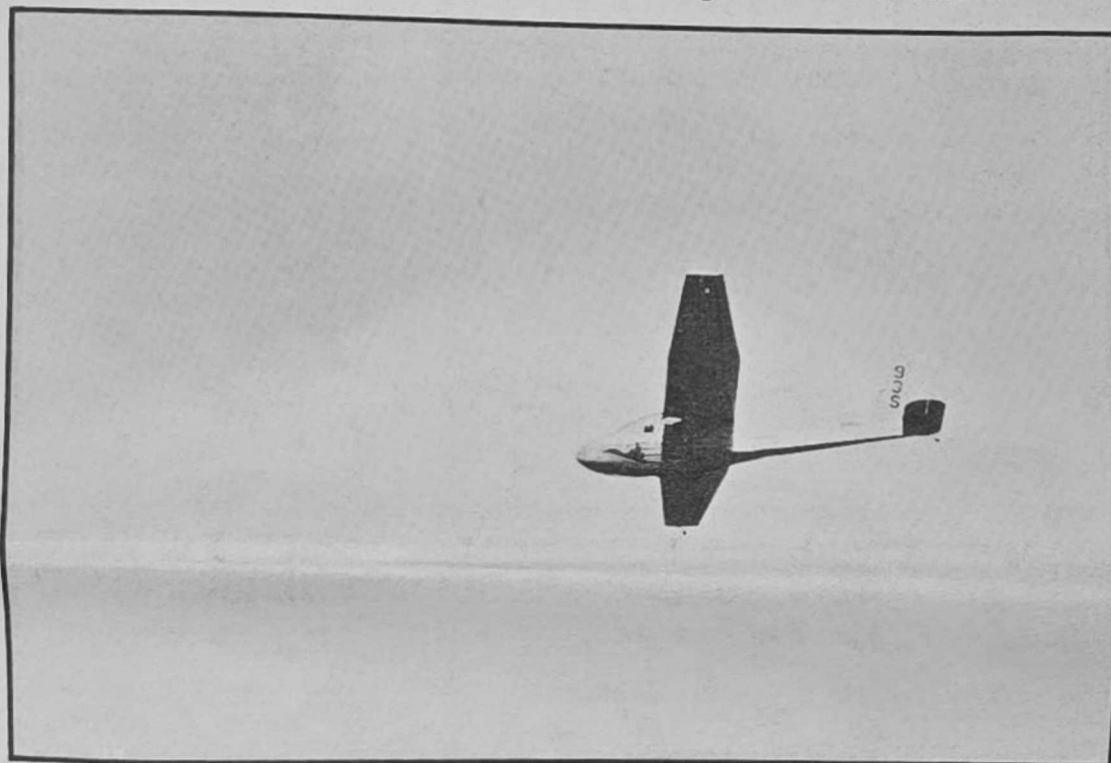
attempt to improve academy weather support. Det. 6, with the assistance of 4th Weather Wing and the Academy Department of Geogra-

phy, hopes to better understand the variety of high wind conditions that occur.

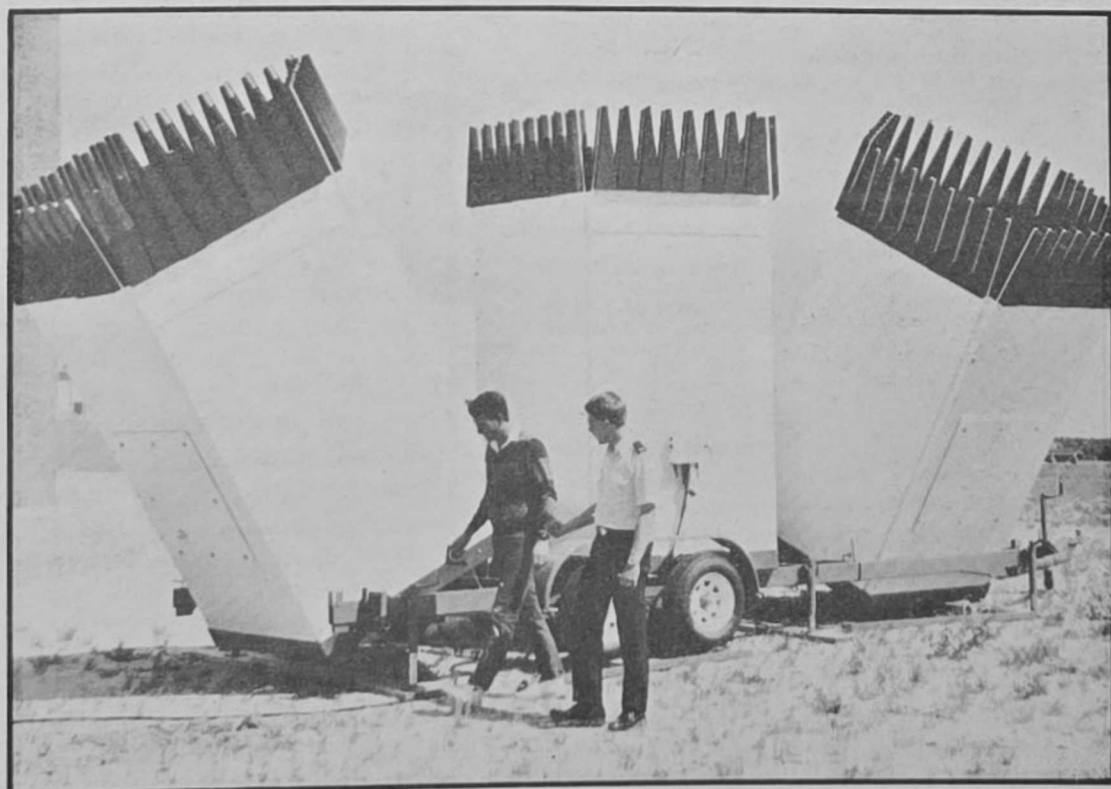
This effort started with a plan to better display the myriad of data possible using a Geographic Information System. It will be followed with an analysis of the data to find high wind event signatures, thus leading to better forecasts.



Seven automated weather stations, like this one near the Air Force Academy Community Center, are part of the High Wind Alert System and will provide data to OL-A, Det. 6, 4th Weather Wing.



The U.S. Air Force Academy runs an airmanship program which includes primary parachuting and soaring, which are critically dependent on accurate wind forecasts.



This Doppler sodar will provide upper air data over the Air Force Academy to forecasters at OL-A, Det. 6, 4th Weather Wing, every 15 minutes. (U.S. Air Force photos)

AWS Salutes

Medals

Meritorious Service Medal:

ABEL, MSgt. Phillip G., Det. 23, 6WS (10LC)
BOUND, Lt. Col. Ronald J. Sr., OLA, AFGWC (20LC)
BREES, Capt. Dan J., HQ 2WW
BRENNEKE, MSgt. Charles H., AFGWC
BROWN, Col. Ronald R., 2WW (40LC)
CALCOTE, Lt. Col. James D., 2WW (20LC)
COLE, MSgt. Frank D., Det. 2, 17WS
HOFMANN, Maj. Karan A., 17WS
HRUZ, MSgt. James E., Det. 6, 4WW
HUGHES, Lt. Col. Ralph M., 26WS/WSU (10LC)
REDMAN, Lt. Col. James S., 15WS
RINTALA, MSgt. Roy, Det. 14, 31WS
RIZZO, MSgt. Alfred T., Det. 11, 25WS
ROMERO, SMSgt. Louis, USAFETAC
MILLER, Lt. Col. John, Det. 1, 2WS
PAYNE, CMSgt. David R., HQ 4WW (10LC)
SNYDER, Capt. Bruce A., Det. 32, 3WS
STICKEL, Maj. Jack R., AFGWC (10LC)
THACKER, MSgt. Rodney L., AFGWC (20LC)
ZLOCHEN, Lt. Col. Stanley D., AFGWC (40LC)
WALLACE, SMSgt. Edmund, Det. 11, 5WS

Air Force Commendation Medal:

ARCHIBALD, MSgt. Arthur H. Jr., Det. 20, 24WS (20LC)
BURKES, TSgt. James D., HQ 2WW (10LC)
CLOGSTON, SSgt. Chester V., AFGWC
CREEK, SSgt. Brian H., HQ 2WW (10LC)
DE ATLEY, MSgt. Russell R., Det. 3, 11WS
DUFRANE, TSgt. Robert F., Det. 14, 31WS (10LC)
HUMPHREY, TSgt. Toni A., 17WS
JACQUES, MSgt. Jerome C., Det. 2, 9WS (10LC)
KALB, TSgt. Timothy A., Det. 3, 3WS
MACK, MSgt. Theodore A., HQ 5WW
MANNING, 1st Lt. David D., Det. 4, 4WW
PINKERTON, SSgt. Paul A., Det. 4, 4WW
POYNTER, SSgt. Phil, Det. 19, 31WS
SHARP, SSgt. Carl O., AFGWC (10LC)
SYLVIA, Capt. Dennis A., Det. 3, 11WS
SMITH, TSgt. David A., AFGWC
TALBOT, Capt. Jonathan, OL-B, 2WW (10LC)
THOMPSON, 1st Lt. Ian W., 17WS (20LC)
TRAISTER, Capt. Glen, Det. 11, 2WS
WILLIAMS, SSgt. Gregory, Det. 11, 2WS

Army Commendation Medal:

ASHMAN, A1C Eric J., OL-B, Det. 2, 5WS
BARGER, SSgt. Travis L., Det. 12, 5WS
BONNER, A1C Caroline A., Det. 9, 5WS
CARROLL, Capt. Donald L., HQ 5WS
HOUWEN, SMSgt. Harry B., Det. 13, 5WS
PELL, SSgt. Louis D., Det. 9, 5WS
SCHEIDT, SSgt. Timothy, Det. 2, 5WS
SHANNON, A1C Patrick W., Det. 2, 5WS
WILCOX, SSgt. Stephen L., Det. 14, 31WS
WYMAN, MSgt. David L., Det. 12, 5WS

Air Force Achievement Medal:

ARMIT, Sr. Jeffrey, Det. 10, 2WS
BARTON, Sgt. James E., Det. 14, 5WS
BLUE, Sgt. April J., Det. 25, 5WW
BORECKY, 2nd Lt. Cynthia A., Det. 5, 3WS
CHAMBERS, SSgt. Nancy, Det. 1, 3WS
DUTTON, Sgt. Douglas D., Det. 14, 5WS
GALAGHER, TSgt. James, Det. 11, 2WS
JOHNSON, Sgt. Karl, Det. 19, 31WS
JOHNSON, Sgt. David W., Det. 2, 9WS
JOHNSON, SSgt. Lorin N., Det. 5, 11WS
JONES, Sr. Scott A., Det. 6, 5WS
KALVERSON, TSgt. Thomas, Det. 30, 2WS
KEITH, 1st Lt. Chan W., Det. 9, 3WS
KERWIN, Sgt. Craig, Det. 24, 26WS
LAWSON, MSgt. Frank D., Det. 5, 3WS
PIERCE, SSgt. Mark W., Det. 1, 5WW
ROBERT, SSgt. Richard T., Det. 6, 5WS
VAN NOY, Sr. Karl L., Det. 23, 6WS
WAGNER, SSgt. Keith, Det. 11, 2WS
ZACHARY, Capt. Charles D., HQ 2WW

Joint Service Achievement Medal:

COGGINS, A1C Mark D., JTF-B Weather Support Element
FISHER, SSgt. Mark S., JTF-B Weather Support Element
JOHNSON, A1C Mark S., JTF-B Weather Support Element
KLINE, SSgt. Mathew L., JTF-B Weather Support Element
KLINE, SSgt. Mathew L., AFGWC

Army Achievement Medal:

ALLEN, SSgt. Anthony K., Det. 10, 5WS
BALSOMA, SSgt. Thomas C., Det. 7, 5WS
DAVIS, A1C Anthony L., Det. 7, 5WS
EVANS, Sr. Charles M., Det. 3, 3WS
HOLT, 1st Lt. David W., Det. 7, 5WS
PRATT, TSgt. Richard A., Det. 7, 5WS

Air Force Good Conduct Medal:

ADAMS, Sr. Glenn R., OL-B, Det. 10, 7WS
BAGBY, Sgt. James B., Det. 18, 25WS
BASHORE, SSgt. Zoraida C., Det. 1, 5WS
BROTHERS, MSgt. William A., HQ 5WW
CARTY, TSgt. Tara, Det. 14, 31WS
DEELY, SSgt. Timothy E., Det. 1, 5WS
DUCKSWORTH, SSgt. Dwight D., HQ 5WW
FLANAGAN, SSgt. Dennis B., Det. 1, 5WS
GARDENER, Sr. Philip J., Det. 3, 5WS
GATTO, Sr. Tonya R., Det. 15, 25WS
GOODE, SSgt. Ronald C. Jr., Det. 3, 5WS
HILTON, Sr. Diana R., AFGWC
LAWSON, SSgt. Bonnie L., Det. 10, 25WS
LINK, SSgt. Timothy M., Det. 13, 25WS
MARTINEZ, A1C Steven A., AFGWC
MARQUEZ, Sr. Terri L., Det. 14, 31WS
MORRIS, Sgt. Gary W., AFGWC
PEDERSON, Sgt. Maria M., AFGWC
PECORELLA, Sgt. Salvatore, Det. 3, 5WS
SMITHMEYER, Sr. Anthony T., Det. 20, 24WS
TALBOTT, TSgt. John W., Det. 14, 31WS
WILLIAMS, Sr. Angela J., AFGWC
WYMAN, Sr. John L., Det. 13, 2WW

Promotions

To Lieutenant Colonel:

ADANG, Thomas C., HQ 26WS

To Major:

HAMILTON, Bartlett, HQ 5WW
ULSH, Dave J., USAFETAC

To Captain:

ALTMAYER, Susan M., Det. 14, 31WS
BIGGAR, David G., Det. 11, 31WS
BLACKSHIRE, James, Det. 11, 2WS
CALLAHAN, Kevin P., OL-F, 7WS
CARROLL, Linda L., Det. 21, 15WS
CARROLL, Robert J. Jr., Det. 3, 5WS
DAVISON, Michael, Det. 25, 5WW
DELLA-ROSE, Devin, HQ 4WW
HAVENS, Bruce R., Det. 2, 11WS
KRAJNAK, Michael, Det. 5, 4WW
MINER, Barbara D., Det. 15, 28WS
MITCHELL, John A., Det. 3, 5WS
OHEARN, Michael J., 7WW
PEACOCK, Curtis C., 11WS
RUPP, John A., USAFETAC
SCHIANO, Thomas, Det. 11, 2WS
SKIDMORE, Steve, 1WS

To First Lieutenant:

BENNETT, Judy L., USAFETAC
FORREST, Eric S.
MELTON, Edward C. III, Det. 32, 3WS
ROUSSEAU, Marguerite C., USAFETAC

To Senior Master Sergeant:

JOHNSON, Roger W., Det. 31, 5WS
MASON, Paul R., AFGWC

To Master Sergeant:

BUYER, Rich, USAFETAC
CARTY, John, Det. 14, 31WS
HOLCOMBE, Paul L. III, Det. 8, HQ AWS
WIEAND, Michael R., Det. 12, 5WS

To Technical Sergeant:

BARRON, Ronald R., AFGWC
DANIELS, Keith E., Det. 10, 15WS
DICKINSON, David C., Det. 26, 7WS
HUFFINES, David W., AFGWC
PELLETIER, Mark M., Det. 8, 26WS
WELK, Jon T., AFGWC

To Staff Sergeant:

BROWN, Michael C., Det. 11, 17WS
LOVELADY, Deborah D., AFGWC
MCBRIDE, Jeffrey M., Det. 1, 24WS
MIKISKA, Stephen J., Det. 4, 17WS
PLOWDEN, Shepard N., AFGWC

Appointed to Sergeant:

BEARDEN, Willis G., AFGWC
BERRY, Cornel, Det. 10, 2WS
FERUCCI, Patricia L., Det. 14, 5WS
HAISS, Timothy J., Det. 4, 5WS
HARDING, Jesse R., Det. 3, 7WS
HILLGER, Kathryn, Det. 11, 2WS
JOHNSON, David W., Det. 2, 9WS
KROEGER, Linc R., AFGWC
KUHN, John F., Det. 9, 6WS
LOMACK, David W., Det. 15, 25WS
MARSICEK, Michael A., Det. 12, 31WS
ROBBINS, David L., AFGWC
SLETTEN, Anthony W., AFGWC
STOSICH, Michelle A., AFGWC
STROHSCHIEIN, David W., Det. 6, 7WS

To Senior Airman:

ANGELO, Timothy P., Det. 1, 11WS
CREEDON, Scott A., Det. 7, 24WS
DILLEY, Craig A., Det. 8, HQ AWS
GARRETT, Virgil C., Det. 9, 24WS
GAETANO, Michael C., AFGWC
GAIKOWAKI, John W., AFGWC
GUZMAN, Evans Ana P., Det. 25, 5WW
HUNOLT, Richard L., AFGWC
JOHNSON, Russell B., Det. 6, 3WS
LANDERS, Steven R., AFGWC
MARTENS, Edward K., AFGWC
MCDONALD, Thomas L., AFGWC
PICKETT, John, USAFETAC

To Airman First Class:

DAVIS, Sherry L., Det. 12, 31WS
LEBLANC, Jeffrey A., AFGWC
LEMARR, Billy R., Det. 20, 17WS
MARLOW, Kyle, Det. 26, 26WS
MALPHYS, Kimberly A., Det. 3, 3WS
METZGER, Timothy M., Det. 7, 3WS
NORTH, Charles D., Det. 4, 17WS
OLSON, Matthew D., AFGWC
PITRE, Jerry G., Det. 1, 17WS
POPPENGA, Richard C., Det. 7, 24WS
THOMPSON, Dean M., 6WS/UAS
VAKNEEN, Isaac, Det. 30, 2WS

To Airman:

BELL, Bryan, Det. 10, 2WS
BETTS, Guy H., Det. 4, 17WS
BROWN, Tyler J., Det. 7, 5WS
LARSON, Marshall, Det. 10, 2WS
MARTIN, Joshua A., Det. 11, 17WS
MARTIN, Todd E., Det. 11, 24WS
NAST, Earl, Det. 14, 26WS
PARKS, Robert F. Jr., Det. 7, 3WS
POWER, Robert S., Det. 14, 17WS
PRICE, Clint C., Det. 14, 5WS
ROY, Alfred F., Det. 4, 17WS
SMITH, Michelle M., Det. 10, 5WS
URIBE, Angela L., Det. 1, 17WS
WILCOX, Bradley, Det. 22, 26WS

Unit honors

Company Grade Officer of the Quarter: (Apr-Jun '89)

3WW — PAPPAS, 1st Lt. Charles H., Det. 23, 26WS
4WW — VINCENT, Capt. James R., Det. 7
5WW — GRANGER, 1st Lt. Russell J., Det. 1, 3WS
AFGWC — MARCHANT, 1st Lt. David H., AFGWC
7WW — CARROLL, Capt. Linda L., Det. 21, 15WS
5WS — HOLT, 1st Lt. Dave, Det. 7
9WS — STEWART, 2nd Lt. Jeffrey P., Det. 21
11WS — RIGLING, Capt. Kim M.
17WS — HARDING, 1st Lt. Kenneth, Det. 11
26WS — PAPPAS, 1st Lt. Charles H., Det. 23

Senior NCO of the Quarter:

3WW — ULRICH, MSgt. Matthew R., Det. 17, 9WS
4WW — LAND, MSgt. Donald L., Det. 10, 2WS
5WW — MURPHY, SMSgt. Athel Jr., HQ 3WS
AFGWC — MICHALEWICZ, SMSgt. Daniel J., AFGWC
HQ 3WW — FRIES, MSgt. Jeffrey A.
5WS — ESSICK, MSgt. John W., Det. 5
9WS — ULRICH, MSgt. Matthew R., Det. 17
15WS — JOENS, MSgt. Kerry L., Det. 10
17WS — LONSDALE, MSgt. Thomas, Det. 29
24WS — POTTER, MSgt. Charles J.F. Jr., Det. 1
26WS — PAYNE, MSgt. Robert A., Det. 24

NCO of the Quarter:

3WW — JACOBS, SSgt. Charles D., Det. 2, 24WS
4WW — ESPARZA, Sgt. Cynthia D., Det. 10, 2WS
5WW — PRUETT, SSgt. Billy D., Det. 1, 5WS

AFGWC — LAWRENCE, SSgt. Kevin S., AFGWC
5WS — FISHER, TSgt. Mark S., Det. 9
5WS — PRUETT, SSgt. Billy D., Det. 1
9WS — HUGG, TSgt. Robert L., Det. 17
11WS — MANN, SSgt. David L., Det. 3
15WS — ROTH, TSgt. Dale S. Jr., Det. 1
17WS — STIVERSON, SSgt. Alton E., Det. 6
24WS — JACOBS, SSgt. Charles D., Det. 2
26WS — REED, Sgt. Laura J., Det. 19

Airman of the Quarter:

3WW — PIPER, A1C Todd A., Det. 2, 24WS
4WW — JORDAN, A1C David P., Det. 6
5WW — YOUNG, Sr. Kevin A., Det. 13, 5WS
AFGWC — THORNE, A1C Sean C., AFGWC
5WS — YOUNG, Sr. Kevin A., Det. 13
9WS — LAURICELLA, A1C Lisa M., Det. 7
15WS — DIDONATO, A1C Miguel A., Det. 13
17WS — DEDICATORIA, A1C Eric J., Det. 2
24WS — PIPER, A1C Todd A., Det. 2
26WS — LEWIS, A1C Christopher C., Det. 6

Civilian of the Quarter:

5WW — WATSON, Prentice E., Det. 1, 5WS
AFGWC — LUTERAN, Joseph A. Jr., AFGWC
5WS — WATSON, Prentice E., Det. 1
15WS — CASEY, Kathleen M., Det. 19
17WS — BLACK, Rodger, Det. 1

Education

Air War College:

LOVE, Maj. James H., Jr., AFGWC

Air Command and Staff College:

FARMER, Maj. Charles W., OL-A, 9WS
VILLARREAL, Capt. Daniel, Det. 16, 31WS

Squadron Officers' School:

ADAMS, Capt. Dennis M., AFGWC
BASKIN, Capt. Walter E., AFGWC
GUST, Capt. Gregory J., Det. 15, 25WS
HOLLIS, Capt. Ann, Det. 50, 2WS
MAZUR, Capt. Andy, AFGWC
MCCANNE, Capt. Randy, AFGWC

Senior NCO Academy:

LAND, MSgt. Donald, Det. 10, 2WS (corr)
SCHMIDT, SMSgt. John W., Det. 4, 7WS

NCO Academy:

BELLEVILLE, SSgt. Stephen B., 4WW (corr)
BRADSHAW, TSgt. Wayne, Det. 2, 3WS
BRANNON, TSgt. Renwick W., AFGWC
GARRETT, MSgt. Stephen M., HQ 1WS
GRELL, TSgt. Stanley G., AFGWC
LAND, MSgt. Donald, Det. 10, 2WS
MAVIS, TSgt. Terry W., Det. 5, 3WS
MURDERS, TSgt. Robert W., Det. 12, 24WS
PRATT, TSgt. Richard A., Det. 7, 5WS
PRZYBYSZ, TSgt. Michael J., AFGWC

NCO Leadership School:

BARSTOW, SSgt. William J., AFGWC
BOWDEN, SSgt. Timothy P., Det. 18, 25WS
BUDDEN, SSgt. Ed, Det. 2, 3WS
CARILLON, SSgt. Jon D., Det. 14, 5WS
CARLSON, SSgt. Sabrina L., AFGWC
CASE, Sgt. Steven M., AFGWC
DUCKSWORTH, SSgt. Dwight D., HQ 5WW
GIBNEY, SSgt. Delores M., Det. 4, 28WS
HIGGINS, Sgt. Brad W., Det. 6, 4WW
HIRL, SSgt. Robert L., Det. 12, 25WS
KEENE, SSgt. Roland R., Det. 75, 6WS
LEMIEUX, SSgt. David, Det. 8, 26WS
LIMBERG, SSgt. Duane M., Det. 9, 6WS
NASWORTHY, Sgt. Joel W., Det. 11, 24WS
NEWMAN, SSgt. Gail S., Det. 3, 3WS
PRUETT, SSgt. Billy D., Det. 1, 5WS (Levitow)
SERRETTE, SSgt. Diane F., Det. 16, 9WS
STRONG, SSgt. Robert A., 1WS, AFU
STONE, Sgt. Rich, Det. 19, 31WS
WALSH, SSgt. John R., Det. 8, 5WS

NCO Preparatory Course:

ADAMS, Sr. Glenn R., OL-B, Det. 10, 7WS
BOUCHARD, Sr. Ronald S., Det. 21, 15WS
COOKSEY, Sr. Jack C., Det. 3, 9WS (Levitow)
FOBBS, Sr. Scott A., Det. 3, 5WS
GARDENER, Sr. Philip J., Det. 3, 5WS
GAETANO, Sr. Michael J., AFGWC
HISE, Sr. Jerry, USAFETAC
MCCORKIE, Sr. Dave, USAFETAC
MILLER, Sr. Michael J., Det. 6, 5WS
MIZELL, Sr. Stephen A., Det. 3, 5WS
PEHL, A1C Andrew R., AFGWC
PEOPLES, Sr. Clyde, Det. 14, 26WS
RIZZO, Sr. Scott A., Det. 3, 5WS
SOAPE, Sr. Richard E. Jr., Det. 11, 31WS
TEVEBAUGH, Sr. Darice M., Det. 1, 9WS
WEBSTER, Sr. Michael S., Det. 10, 7WS
YOUNG, Sr. Kevin A., Det. 13, 5WS

Doctorate Degree to:

ADANG, Lt. Col. Thomas C., HQ 26WS

Master's Degree to:

DEATHERAGE, Capt. Roy J., Det. 1, 7WW
TERRY, Capt. Charles F., Det. 13, 25WS

Bachelor's Degree to:

BRACKETT, MSgt. Joe, Det. 2, 31WS
FREDERICKS, SSgt. Tomas I., Det. 58, 5WS
PLUMMER, Sgt. Kenneth J., Det. 2, 5WS

Associate Degree to:

DUNN, MSgt. Jeffrey B., Det. 14, 5WS
HELGESTAD, A1C Martin, Det. 6, 26WS
KIER, TSgt. Robert J., Det. 1, 3WS
NATALI, TSgt. Dennis J., Det. 58, 5WS
PLUMMER, Sgt. Kenneth J., Det. 2, 5WS

Reenlistments

ANDERSON, SSgt. Rita M., Det. 1, 11WS
BANDHORE, SSgt. Zoraida C., Det. 1, 5WS
BAWEK, SSgt. Scott A., Det. 22, 24WS
BROOKS, MSgt. Nancy W., Det. 15, 25WS
DUNN, MSgt. Michael T., USAFETAC
GARRETT, MSgt. Stephen M., HQ 1WS
HARRIS, TSgt. Darryl E., Det. 26, 26WS
LAWRENCE, TSgt. Jay W., Det. 26, 26WS
MCGUFFIN, SSgt. Patrick T., Det. 2, 11WS
MILLER, SSgt. Wayne L., Det. 2, 11WS
PAGITT, MSgt. Ronald W., Det. 22, 26WS
PETEROSKI, MSgt. Phillip S., Det. 7, 9WS
REDMAN, Lt. Col. James S., 15WS/LN
RUMERY, SMSgt. Gary R., 5WS
SOMER, Sr. Owen, Det. 1, 5WS
STECK, TSgt. Kevin J., Det. 4, 26WS
SWEET, MSgt. Ernest E., AFGWC
TIMMS, TSgt. Richard D., Det. 6, 3WS

Retirements

AQUIRRE, SMSgt. Robert J., Det. 7, 9WS
BORDERS, MSgt. Stephen W., Det. 11, 9WS
BOUND, Lt. Col. Ronald J. Sr., AFGWC/OL-A
CHASE, Maj. Malcolm P., USAFETAC
DASH, Col. Ernie R., 5WW
DASZEWSKI, Maj. Det. 50, 2WS
FISHER, Lt. Col. Robert W., USAFETAC
HOWARD, SMSgt. Terry M., 24WS
HUGLI, Maj. Wilbur G., 6WS
MILLER, Lt. Col. John, Det. 1, 2WS
PAYNE, CMSgt. David R., 4WW
RUDY, Maj. Clifford M., 5WW
SHAUGHNESSY, Lt. Col. John E., Det. 31, 5WS
SMITH, SMSgt. Jackson, USAFETAC
STICKEL, Maj. Jack R., AFGWC
THACKER, MSgt. Rodney L., AFGWC
TOSCHIK, MSgt. Joseph C., Det. 7, 9WS

Basic Airborne School:

SKIDMORE, Capt. Steve, 1WS

Combat Survival Course:

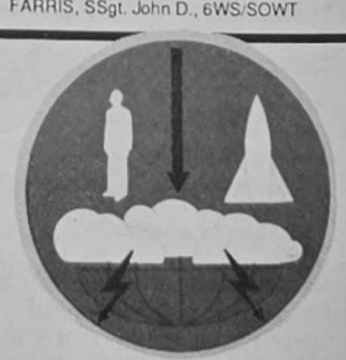
CUMBO, Amn. Richard A., 6WS/SOWT
FARRIS, SSgt. John D., 6WS/SOWT

Blunders & Bloopers

In last month's centerfold feature, titled "2nd Weather Squadron named best in Air Weather Service," an old 2nd Weather Squadron emblem was published in error (right) as the unit's emblem. As a courtesy, we have displayed the squadron's current emblem at the far right.



Old 2nd WS emblem



Current 2nd WS emblem

OTH-B Radar: A peek behind the horizon

By Capt. Jon Lundberg
Bangor, Maine

Imagine a weather detachment with no forecasts or dash-ones, no pilots complaining about the weather conditions, and no calls for the weather for the picnic next Saturday. Is this a weatherman's paradise? No! It's Det. 1, 5th Weather Wing.

Det. 1 works side-by-side with the 776 Radar Squadron (776th RADS) to operate the Over-the-Horizon Backscatter (OTH-B) Radar at Bangor ANGB, Maine. The detachment supplies Environmental Assessment (EA) operators as an integral part of the radar operation. They work alongside the 776th RADS operators to provide the best possible detection of aircraft approaching the east coast of the United States and Canada. The radar is jointly manned by Americans and Canadians.

The OTH-B is a unique type of radar system, using high frequency radio waves (5-28 Megahertz) to refract or reflect off the ionosphere (at altitudes of 100 to 350 kilometers), illuminating targets out of 2,000 miles from Iceland to Puerto Rico.

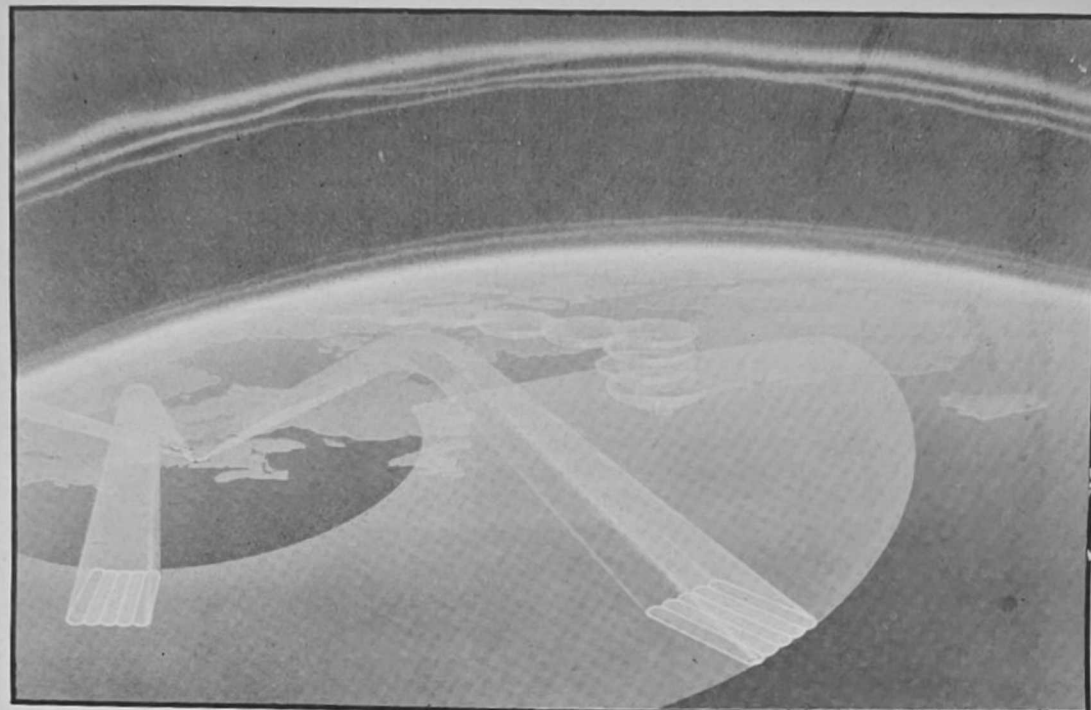
Since the radar energy is refracted down from the ionosphere, OTH-B is a "look down" radar and no aircraft can sneak under its coverage.

The OTH-B operations center is in Bangor, while the transmit and receive antennas are located nearly 60 miles away in Moscow, Maine, and Columbia Falls, Maine, respectively. The antennas at both sites are built in three segments, each nearly a mile long and up to 135 feet high.

The primary mission is long range detection of enemy aircraft. Other possible missions are detection of drug runners, assistance of rescue missions, flight-following of VIP aircraft, and detection of cruise missiles.

The OTH-B is a powerful and versatile system that uses the highly variable ionosphere for propagation. Maximizing radar performance in this dynamic ionospheric environment is a constant challenge for Det. 1's members.

The EA's primary job is to determine the best frequency for each of the 24 sectors. Backscatter ionograms are collected for each radar sector. Solar flares, geomagnetic



This artist's depiction illustrates the concept of the OTH-B radar refracting radio waves off the ionosphere for early warning and detection of approaching aircraft and missiles.

storms, and the time of day all affect the radar in different ways.

The EAs can request special radar beams to test how performance would be at different ranges and frequencies. They team these requests with the ionograms to develop a comprehensive picture of the state of the ionosphere. Under ideal conditions the ionogram will show how the ionosphere will support propagation as a function of range and frequency.

The ionosphere

changes drastically in strength and height due to time of day and solar/geomagnetic activity. This means that the picture of the ionosphere is in a continuous state of flux and must be constantly re-evaluated.

The EA must understand how different ionospheric conditions affect the radar. Certain ionospheric conditions may appear to be improper radar performance. Det. 1, EAs work closely with the 776 RADS crew to see whether the problem is ionospheric in nature or

associated with the equipment problems.

Det. 1 personnel were among the first active duty personnel to be assigned to Bangor since

the old Dow AFB closed in the late 1960s. The community has welcomed back the Air Force with open arms. Many new facilities have been built at the Air National Guard base to support the OTH-B operation. Det. 1 personnel will continue to be an integral part of the OTH-B operations and the Bangor community.

OTH-B: I can see for miles and miles!

The Over-the-Horizon-Backscatter (OTH-B) can "see" 10 times further than conventional radars. In addition to Bangor ANGB, Maine, current plans call the installation of this new early warning and detection radar system at three Air Force Bases. They are:

- Mountain Home AFB, Idaho.
- Grand Forks AFB, N.D.
- Elmendorf AFB, Alaska.

MOUNTAIN HOME UPDATE:

Det. 2, 5th Weather Wing, members are in the process of setting up the OTH-B unit at Mountain Home AFB, Idaho. The detachment was activated in October 1988 and should be operating by the Fall of 1990 with a full compliment of personnel. Commander of the unit will be Maj. Michael D. Morton.



SSgts. Herb Detmer and Dennis Kwilinski are two of 13 Det. 1, 5th Weather Wing, members who serve as environmental assessment operators for the East Coast OTH-B radar. (U.S. Air Force photos)

Drug abuse: Thirteen year career goes up in smoke

Editor's note: The following editorial is by Col. Keith W. Rhyne, commander of the 11th Weather Squadron, Elmendorf AFB, Alaska. He entered the Air Force in 1966 and his hometown is Paso Robles, Calif.

I was recently informed that a staff sergeant who belonged to my squadron (we'll call him John Doe) had tested positive for marijuana after a random urinalysis test conducted by the base hospital.

A short time later, the Office of Special Investigations informed me they would like to question the sergeant. They then asked the squadron first sergeant to bring him over as soon as possible.

I wasn't sure what my next step should be, so I went to see the Judge Advocate General.

The JAG explained to me that wrongful use (and there is no right use) of marijuana is punishable under the Uniform Code of Military Justice. He also stated Air Force Regulation 39-10 had recently been revised to strengthen the longstanding Air Force policy that drug abuse will, in nearly every case, result in separation of the offender.

Well, I knew Sergeant Doe's Air Force career of 13 years was about to end! The Air Force policy on drug abuse is quite clear and that is the reason for my article — to relay that message.

Here is some significant information I extracted from AFR 39-10:

- Drug abuse is incompatible with military service and airmen who abuse drugs one or more times are subject to discharge for misconduct.

- Drug abuse includes improper use of prescription medication. It also includes anabolic/androgenic steroids and any intoxicating substance other than alcohol that is inhaled, injected, consumed or introduced into the body in any manner for purposes of altering mood or function.

- Discharges for drug abuse are usually under other than honorable conditions.

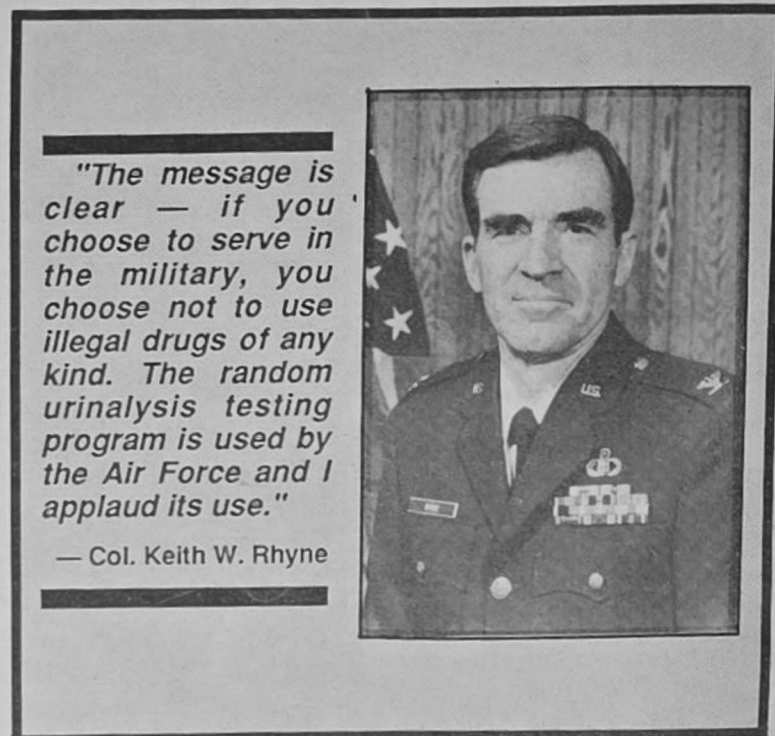
- Discharges are man-

datory for drug abuse unless a waiver is sought by the commander and granted by the special court martial authority.

Exact criteria must be met for a commander to request a waiver. One of those requirements is to explain why the abuser's continued presence in the Air Force is consistent with the interest of the Air Force in maintaining proper discipline, good order, leadership and morale — pretty tough to satisfy this one!

With all that in mind, I initiated Article 15 action. This resulted in an immediate demotion to the rank of sergeant, and then a loss of his noncommissioned officer status. Staff sergeant Doe was now a senior airman.

I then started discharge procedures under AFR 39-10. This took Airman Doe out of his unit and transferred him to the 21st Combat Support Group Transition Flight which



"The message is clear — if you choose to serve in the military, you choose not to use illegal drugs of any kind. The random urinalysis testing program is used by the Air Force and I applaud its use."

— Col. Keith W. Rhyne

does menial labor around the base.

A few days later, Airman John Doe became Mr. John Doe, separated from the service of his country with a discharge of the type I'm sure he would rather not have!

The message is clear — if you choose to serve in the

military, you choose not to use illegal drugs of any kind. The random urinalysis testing program is used by the Air Force and I applaud its use.

The individual in this story deserves nothing less than what he got — he made his own choice when he abused drugs.

3rd Weather Squadron spouse receives Shaw AFB honor



Linda A. Johnson

A 3rd Weather Squadron spouse was honored recently as the Shaw AFB, S.C., Military Spouse of the Year for 1989.

Linda A. Johnson, wife of Lt. Col. William R. Johnson, squadron commander, was selected from among many local Shaw AFB spouses for the honor.

Mrs. Johnson, who was selected as the 5th Weather Wing (MAC)

Wife of the Year for 1988 and as a nominee for the 1988 Joan Orr Air Force Wife of the Year Award, was honored for her contributions to the Shaw and Sumter communities.

According to 363rd Tactical Fighter Wing Commander, Col. Ed Eberhart, "Linda has made a very valuable contribution to Shaw and the local community."

"There are so many spouses that contribute to the Shaw and Sumter communities that I feel very fortunate to be the one selected," said Mrs. Johnson. "I think that it's important for a spouse to

be involved in the community. Just a little bit of help can make the difference to someone needing some help."

Linda Johnson was a

biology and general science teacher, while serving as the science department head at St. Jude Central High School prior to her family receiving orders to Maxwell AFB, Ala. She became involved with her husband's unit, traveling with him to several of his squadron's geographically separated units. She is also very active within local community and church.

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