

Sept. 1, 1975

AWS command staff trio retires



Col. M.H. Newhouse

Col. Morris H. Newhouse, former chief of staff of Air Weather Service.

He entered World War II as an enlisted weather observer in South and Central America. In 1943, through the Aviation Cadet Program, he was commissioned and flew 36 combat missions in B-29s as a navigator-bombardier. On Thanksgiving Day, 1944, he took part in the first B-29 raid over Tokyo.

After a three-year separation from service (1945-1948) he served in England, North Africa, the Azores and Vietnam. He helped pioneer the formatting, production and verification for the computer flight planning system now in world-wide use.

Colonel Newhouse, a senior navigator, is a graduate of Ohio University and the Air War College, has a master of science degree in meteorology from the M.I.T.

Among his decorations are the Legion of Merit with oak leaf cluster (OLC), Distinguished Flying Cross with OLC, Bronze Star Medal, Air Medal with five OLC and the Air Force Commendation Medal with OLC.



Col. H.P. Bilyeu

Col. Hiram P. Bilyeu, former deputy chief of staff for AWS air operations, began his career as an aviation cadet during World War II.

In succeeding years he piloted almost every type of reconnaissance aircraft ever used by Air Weather Service.

In addition to many assignments in the continental U.S., Colonel Bilyeu served at Kadena AB, Okinawa; RAF Station Waddington, UK; Dharhan AB, Saudi Arabia; as a member of the "Pole Vaulter" squadron at Eielson AFB, AK; the "Hurricane Hunters" at Kindley AB, Bermuda; and at Udorn and Korat RTAFBs, Thailand.

He is a graduate of the Command and Staff College and attended Grant Technical College (California) and the University of Arkansas.

His decorations include the Legion of Merit, Distinguished Flying Cross, Meritorious Service Medal, Air Medal, Air Force Commendation Medal with oak leaf cluster and the Joint Chief of Staff Service Badge. He wears command pilot wings which represent more than 12,000 flying hours.



Col. J.M. Tyndall

Col. Joseph M. Tyndall became a member of the enlisted reserve in October 1942. The next year he was a meteorological cadet at the U.S. Army Technical Training School, Grand Rapids, MI, and obtained his commission in September of that year.

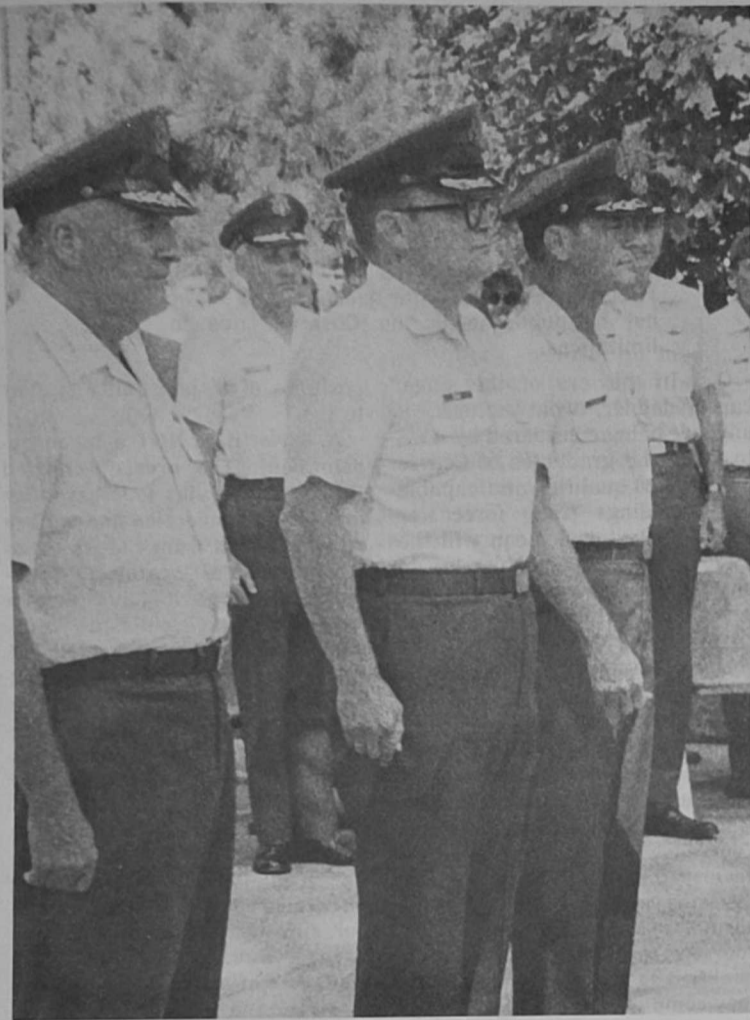
He served in Europe during World War II, in Korea from 1951 until 1952, and in Vietnam from 1967 until 1968. Prior to his assignment as deputy chief of staff for AWS aerospace sciences he commanded the 2nd Weather Wing in Europe.

Colonel Tyndall graduated from the Air Command and Staff College in 1961 and the Air War College in 1967. He has a masters degree in business administration and internal affairs.

Among his decorations are the Legion of Merit, the Bronze Star Medal with oak leaf cluster (OLC) and the Air Force Commendation Medal with OLC.

NINE - LEVELS

The last issue of the AWS OBSERVER carried a story of the locations and numbers of nine-level positions. To that list, add: Osan AB, Korea, 25190-1; Palahua, HI, 25190-1. Change Offutt AFB, NE, to read: 25190-22, 25291-9 and 30291-3.



THE FINAL ACT in the changing of Air Weather Service command from Brig. Gen. John W. Collens III, right, to Col. Berry W. Rowe, center, is to stand as a flight of marching weathermen pass in review. Gen Paul K. Carlton, commander, Military Airlift Command, left, presided over the ceremony. (U.S. Air Force photo by Sgt. Tim Tierney)

Second reunites, relocates

RAMSTEIN AB, GERMANY—The 2nd Weather Wing will have a new home soon. It comes as part of a large exchange of Air Force and Army units in Europe and is expected by 2WW officials to be completed by June, 1978.

The exchange of facilities came about due to an increase of U.S. Forces in Germany assigned to NATO (North Atlantic Treaty Organization) defense.

The 2WW has maintained a split

headquarters at Ramstein AB and Lindsey AS since August, 1973. The move should now consolidate the divided headquarters at Kapaun Barracks, near Kaiserslautern.

Other 2WW units to be moved include: 31st Weather Squadron from Lindsey AS to Rhein Main AB; the base weather station at Wiesbaden AB to Sembach AB, where its designation will become Detachment 20, 31WS; and Det. 51, 2WW from Wiesbaden AB to Rhein Main AB.

Palehua, HI

Unit adds new telescope

HANSCOM AFB, MA—A new Air Force optical telescope is scanning the Pacific skies. Gathering data at Palehua, HI, this first element of a planned Solar Electro Optical Network (SEON) will enable observers to more accurately analyze disturbances on the sun which could affect the earth environment.

Each unit will be comprised of a telescope and four sub-systems for: automatic solar tracking and light acquisition, automatic flare patrol, multi-spectral line analysis, and data processing and communications.

Solar forecasters of the Air Weather Service using this sunrise to sunset global monitoring capability expect to provide real-time solar alert and analysis data,

and timely forecast information to Air Force agencies whose missions could be affected by natural events in the upper atmosphere.

The optically-gathered data is processed automatically at the Palehua observatory and funneled into the Air Force Global Weather Central, Offutt AFB, NE, and to other government agencies.

Communications linkups also tie in the Astrogeophysical Teletype Network, as well as providing teletype and telephone circuits for filing solar alerts.

The Air Force Electronics Systems Division will soon request authority to produce four follow-on systems. Subsequent installations are to be made in the Far East, Mid East, Puerto Rico and Holloman AFB, NM



SAFETY CHECK for astronauts became the job for men of the 54th Weather Reconnaissance Squadron, Andersen AFB, Guam. Crewmembers, shown with the Apollo capsule which linked with Russia's Soyuz capsule, are, standing, left to right; Capt. William Gaylord, Capt. Delvin Simmons, 1st Lt. Paul McVickar, Sgt. James McDonald. Kneeling, left to right, are: A1C Michael Doolittle, TSgt. John Slovak, 2nd Lt. Lionel Verret, 1st Lt. Boyd Lease and Sgt. Michael Tippet. (U.S. Air Force photo)

Command Line



Colonel
Berry W. Rowe

'We're up to task'

Since my July 17 return to Air Weather Service Headquarters and the Military Airlift Command family at Scott AFB, I have seen many things which reaffirm my belief in the strength and vigor of the AWS. The active interest and support by the Military Airlift Command commander (COMAC) and his staff, the ongoing spectrum of well thought out, pertinent actions by the AWS staff and wings, the performance reports of field units, the interest in our services by the Air Force and Army commanders we support, the quality of people throughout the command—all these things are indeed impressive.

It is well that it is so, for in terms of people we are smaller and will decrease additionally when weather reconnaissance and weather equipment maintenance are realigned with the compatible expertise in the Aerospace Rescue and Recovery Service and Air Force Communications Service. Our tasks, though they continue to be considerable, do not

appear to exceed the capacity of the resources provided and the projected improvements thereto.

I attribute this to programs stimulated by COMAC and Brig. Gen. John W. Collens III that were designed to make it possible. I refer to such things as the Radar Program, the Single Weather Career Field, the Base Weather Station Modernization, and the Upgrade Program at Global Weather Central. It will be my task, with your help, to sustain the progress through these programs and to formulate others that may be needed to insure the effectiveness of the vital services we perform.

It is my goal to guide and direct the future of Air Weather Service with the same success as my predecessor. You will have an input since I plan to meet and talk with as many members of the command as time and distance will allow. It is gratifying to have been given the privilege of filling the position as your commander, and I pledge no decrease in the support you have all come to expect from that office.

-- NOAA gives 'Lightning tips'--

Ed. Note: The National Oceanic and Atmospheric Administration (NOAA) provides 15 safety rules about lightning. They are:

1. Stay indoors when lightning is striking.
2. Stay away from open doors, windows, fireplaces, radiators, stoves, metal pipes, sinks and plug-in electrical equipment.
4. Don't use the telephone.
5. Don't take laundry off the clothesline.
6. Don't work on fences, telephone or power lines, pipelines, or structural steel fabrication.
7. Don't use metal objects such as fishing rods and golf clubs.
8. Don't handle flammable materials in open containers.
9. Stop tractor work. Such implements in metallic contact with the ground are often struck by lightning.
10. Get out of water and off small boats.
11. Stay in your automobile if you are traveling.
12. Seek shelter in buildings. If no buildings, find a cave, ditch, canyon or head-high clump of trees.
13. When there is no shelter, avoid the highest object. Crouch in the open, keeping twice as far away from isolated trees as the trees are high.
14. Avoid hill tops, open spaces, wire fences, metal clotheslines, exposed sheds and any electrically conductive elevated objects.
15. If your hair stands on end or your skin tingles—lightning may be about to strike you. Drop to the ground IMMEDIATELY.

IT'S A FACT:

When operational customers need a warning leadtime greater than one hour, the Air Force Global Weather Central point weather warnings provide a greater accuracy (Hits/Forecasts) than those issued by local units.

QUOTE OF NOTE:

"We made a number of important advances in weapons technology (including) improved weather forecasting and reconnaissance capabilities."—Gen. John D. Ryan, Chief of Staff, USAF, in testimony before Congress on May 8, 1973.

In terms of direct loss, fire costs each man, woman and child in the United States an average of \$14 every day of the year.

Fire kills 34 Americans a day or 12,000 a year and costs the nation \$3 billion yearly.

Swap List

Each of the following AWS people wishes to swap assignments with another person with the same AFSC:

30250—A1C George N. Kirkpatrick, 8613 E. Reno, Apt. 1, Midwest City, OK, 73110. Wants Griffiss AFB, NY; or Rickenbacker AFB, OH.

30250—SSgt. Preston Moore Jr., Det. 14, 5WS, Ft. Hood, TX. Wants McGuire AFB, NJ; Langley AFB, VA; or any Northeast Coast base except Loring AFB, ME.

25150—Sgt. Daniel P. Eff, PSC 1993, Andrews AFB, MD, 20331. Wants Arizona, California, Nevada, Colorado, New Mexico, Utah, Indiana or Arkansas assignment.

25251—A1C Steven W. Clemings, PSC Box 7093, McConnell AFB, KS 67221. Wants Kelly or Randolph AFBs, TX.

Weather Whys??

Weather Whys? is a regular feature of the Air Weather Service Observer. The questions come from you and the answers come from the Air Weather Service commander and his staff. If you have a question, send it to: Commander, Air Weather Service, Scott AFB, IL, 62225. Each question will be answered, however all of the questions and answers may not be published in the Observer due to space limitations.

Q.—In this era of the single career ladder, what actions, if any, are being considered by AWS to make the graduates of Course 3ABR 25130 qualified and capable of providing true forecaster support? By this I mean will the 25130 graduate be able to do anything other than normal observer duties? *MY QUESTION TO PARISH - BJA - CAME FROM JUNE TRIP.*

A.—Not right away. However, AWS Aerospace Sciences is working on objective forecasting techniques to be used to make short-range forecasts for certain weather elements. The objective techniques will be included in Course 3ABR 25130 and should be developed in the early 1980s. Until then, the course will include only normal observer duties and the course's graduates will not be qualified to make forecasts until they complete Course 3AAR 25170.

Q.—I have just read your message announcing the assignment of MSgt. Forrest E. Gray as AWS' first enlisted detachment commander (Detco). My question, sir: Is this a token appointment just to get our senior NCOs' hopes up or are there other locations where we can expect

positions of responsibility similar to this?

A.—No, it is NOT a token appointment. The present enlisted Detco list contains four bases for immediate conversion and we are awaiting word from the wings on other possible locations. Eventually, we hope to have enough locations with enlisted commanders so that a percentage of our senior NCOs can be afforded this management opportunity. In addition to the Detco position, the wings were provided a list of bases for implementing the station chief concept. This program will give our NCOs another opportunity. We will begin implementing the station chief concept as soon after we receive wing inputs as possible. Our aim in these programs is to have dual-qualified NCO managers in as many key jobs as possible—and within the next two years. Persons singly qualified, observer or forecaster, who want one of these key management positions, the sooner dual qualification is achieved, the better a person's chances for the job. One thing should be made clear; the jobs will not go to anyone who can't do both observing and forecasting.



TURNING THE TABLES on Lt. Gen. Charles W. Carson, left, 12th Air Force commander, is 2nd Lt. Gary Jackson, 12AF weather briefer. Lieutenant Jackson hands General Carson the "When you least expect it" award for his support of the 25th Weather Squadron, Bergstrom AFB, TX. The presentation came just prior to the general's retirement. (U.S. Air Force photo).

Swap List

Present Wing: (Circle One)
1 WW 2 WW 3 WW 5 WW 6 WW 9 WW

Name: _____ Rank: _____
(Last, First, MI)

CAFSC: _____

Present Base: _____

Mail Address: _____

Want to go: _____
(Base)

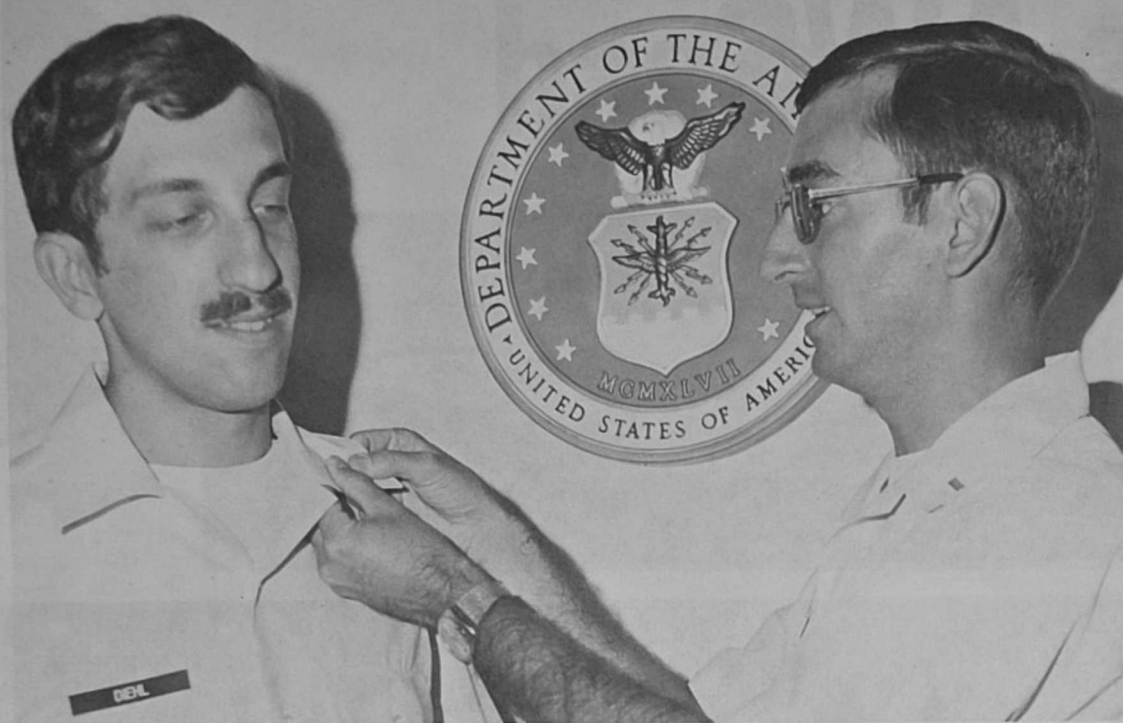
The Observer Airman Assignment Exchange list is designed to serve Air Weather Service personnel. The eligibility rules for exchanging assignments are contained in AFR 39-11. If you meet the criteria and would like to swap, fill in the coupon and send it to: AWS/CMS, Scott AFB, IL, 62225.

AIR WEATHER SERVICE
OBSERVER

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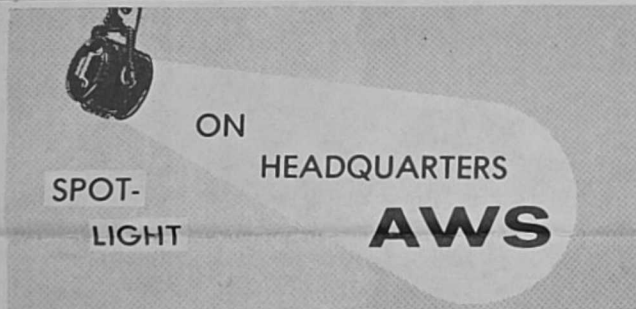
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COLONEL BERRY W. ROWE
Commander, Air Weather Service
DAVID F. BARR
Editor



FIRST TO SECOND was the promotion for Edward B. Diehl, Detachment 17, 24th Weather Squadron, Williams AFB, AZ. His supervisor, 1st Lt. Thomas Walters, weather officer, pins on the gold bar of second lieutenant when former Airman First Class Diehl put his stripes to one side. It all happened following Lieutenant Diehl's application for a commission as a weather officer through the Airman Education and Commissioning Program. Although not commissioned in weather, he received one into the Air Force Medical Service as a health services administrator. (U.S. Air Force photo)

D
O
U



by
Maj.
Lyman
Kaiser

Rapid changes in AWS support requirements, operational methods and procedures force Headquarters and field units to work closely together. The primary role of the Directorate of Field Support (DOU) is to provide this close relationship.

DOU, working with other operations directorates and Systems Management (SYM), recommends operational policy and procedures for the AWS Support System.

Its primary concern is translating environmental forecasting and observing (surface, upper-air, weather radar, weather satellite, and solar/geophysical) policy into procedures for fixed, mobile and specialized field units. We of DOU work closely with a broad spectrum of federal agencies to insure coordinate procedures.

DOU, led by Lt. Col. Dave Gurkin, is a single integrated directorate, but divides responsibilities into observing and forecasting functional areas. The observing function is headed by SMSgt. Jerry Daugherty and the forecasting function by Maj. Lyman Kaiser.

OBSERVING FUNCTION

Our observing group is primarily responsible for surface and upper-air observing matters and acts as DOD focal point/manager of the DOD Weather Plotting (DOD-WPC) Chart Program. We maintain observing

publications, which includes FMH-1,2,8, and AWSM 105-4.

DOU observers work closely with AWS/SY on longline and local dissemination matters. Frequent contacts are also made with AFCS, the Instrument Flight Center at Randolph AFB, wing chief observers, etc., to develop procedures and manage the program.

In managing the DOD-WPC program, DOU coordinates with agencies at all levels. We maintain AWSR 96-1, insure timely changes to the DOD-WPC Catalog, process and coordinate Army and Navy requests, and coordinate closely with the DMAAC production center in St. Louis to insure proper chart distribution and compliance with technical specifications and accuracy standards.

FORECASTING FUNCTION

Our forecasting group, in conjunction with SYM, maintains AWSR 105-18, and recommends policy and procedures for operation of the AWS Support System. It is the primary DO action agency on implementation of the Terminal Forecast System, Weather Warning and Met Watch Programs and maintains AWSR 105-27, AWSR 105-8, AWSR 105-15, and AWSR 105-21. We work closely with the Directorate of Requirements (DOQ) and SYM in managing these programs and with the Directorate of Evaluation (DOA) to verify, monitor and

evaluate AWS capabilities and quality of support.

The forecasting section also develops procedures for aviation weather support. We maintain publications on flight weather briefings and regional briefing stations. We also act as a focal point for coordination with the FAA on AWS operational support matters.

As DOU "flap control," we are the HQ AWS interface for weather incident reporting, and we maintain AWSR 105-37. We also review and evaluate weather service factor hazard reports and accidents.

The forecasting section acts as DO action agency on use of AWS weather modification systems. Working closely with the Environmental Sensing Directorate (DOS), we play an active role in the AWS weather radar upgrade program. We also work closely with DOS on SESS and meteorological satellite procedures and we maintain AWSR 105-30 on SESS standard procedures.

In short, we in DOU are involved in a broad spectrum of AWS operational activities. Our major thrust is translating current forecasting and observing policy into uniform published procedures. As the Directorate of Field Support, our focus is on insuring optimum support to and by field support units to meet current operational requirements.

ENLISTED LINE

by
CMSgt. Sam Parish

During the last two years, Air Weather Service has seen many changes take place. These changes ranged from major organizational switches to increased use of NCOs. The future for our NCOs has never been better.

On Aug. 6, 1975, a change-of-command ceremony took place at Scott AFB, IL. Brig. Gen. John W. Collens III, an advocate of many of the changes, turned command of AWS over to Col. Berry W. Rowe. General Collens was a great commander and we, the AWS enlisted people, have much to thank him for. He implemented or advocated many programs designed to get the NCOs involved in decision making and management. Such programs as the Advanced Weatherman, enlisted instructors in the forecaster course, enlisted detachment commanders (Detco) and the station chief concept did not just happen—they were actively supported by General Collens. Although he was a big booster of these programs, we should not feel they will die on his departure.

In Colonel Rowe we have gained a commander who has a deeprooted understanding and feeling for the problems, desires and goals of enlisted men and women. He too is a strong supporter of NCOs and feels a person should have responsibility and authority according to his rank and experience. He is a very strong indorser of NCO professional military education and expects each NCO who hopes to be a senior or chief master sergeant to have attended an NCO Academy. Further, he feels all career sergeants and staff sergeants should be volunteers for the excellent leadership schools offered by MAC at Air Force bases like Norton, Little Rock, McGuire, Dover, Rhein-Main and Hickam. Colonel Rowe believes our senior NCOs must be equipped to accept the challenge of greater job responsibility when it comes to them and, in turn, be ready to go where the challenge is.

He feels AWS NCOs are among the most dedicated group of professionals in the Air Force and is convinced we can rise to practically any occasion when it comes our way.

I assured Colonel Rowe we will accept his challenges and I asked for as many as possible. He can expect much from us—and we can exceed all of his expectations.

Weathermen fill 15 SNCOA class slots

Fifteen senior NCOs and nine alternates were recently selected to attend classes 75-E, 76-A or 76-B at the USAF Senior NCO Academy.

Chosen to attend were: CMSgt. John Kappert Jr., SMSgt. David C. Bailey, SMSgt. Jack D. Dubose, SMSgt. Bernard Hanneman, SMSgt. Clarence Jolly, SMSgt. Donald R. Jones, SMSgt. Anthony A. Luck, SMSgt. George McNeill, and SMSgt. Charles H. Miller.

SMSgt. Norris Smalls, SMSgt. Thomas E. White, SMSgt. Glenn H. Hughes, SMSgt. David E. Masters, MSgt. Fortunato Moreno and MSgt. Roberto Sandoval.

Alternates for the same classes are: SMSgt. Olin F. Bryant, SMSgt. John F. Busher, SMSgt. Alec Dambacher, SMSgt. Billy G. Knippers, SMSgt. Charles E. Lee, MSgt. Walter S. Kuster, MSgt. Douglas McWilliams, MSgt. Oliver W. Skow and MSgt. Frank W. Vlcek.

★ Personnel Shorts ★

Did you know that:

* Twenty-two recommendations from the 1974 USAF-wide Career Motivation Conference were approved and implemented?

* The USAF Senior NCO Academy will have openings for instructors during the next year? To be eligible you must be in grades from master sergeant to chief master sergeant. See your Consolidated Base Personnel Office for details.

* Military personnel granted terminal leave before separation no longer have to return to their duty station before separating from service?

* When an airman enlists in the Air Force now, he will sign a legal contract acknowledging that benefits may change without prior notice?

* Multiple occupancy for transient officers and senior NCOs is out unless the base has special permission from USAF?

* USAF is testing the feasibility of a limited WAPs for promotion to senior and chief master sergeant?

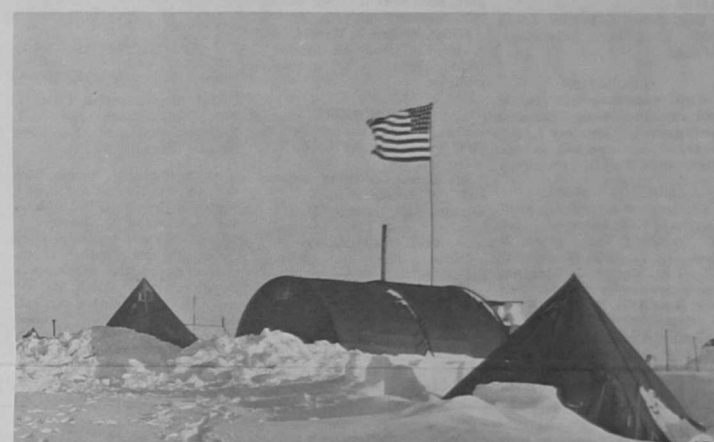
* The military "shakedown" inspection of quarters is legal?

* AWS is moving right along with the Advanced Weatherman? A listing of enlisted detachment commander jobs and station chief locations was forwarded to the wings for comment prior to early implementation.

* NCO openings still exist in just about all 25170 classes after October, 1975, for anyone interested in becoming, dual qualified?

9WRW leaves AWS,

has impressive history



1. B-24 of the 55th Recon Squadron (Long Range Weather), Guam, 1945.
 2. Hurricane.
 3. President Richard M. Nixon, second from left, and Sec. Clifford M. Hardin (Agriculture), second from right, visit a 58th "bird."
 4. WB-29 of 512th homeward bound. WB-29s used from 1946-1956.
 5. WB-47, used from 1963-1969.
 6. WC-130B.
 7. B-25s used for weather. Geskhara, India.
 8. Maintenance preflighting WB-29 at Eielson AFB, AK.
 9. Christmas Island during sampling mission in atomic "mushroom" cloud.
 10. Brig. Gen. Norman Petersen, far left in line. AWS commander, stands the same inspection as other crewmembers as he prepares to fly with the 55th.
 11. B-17 of the 53rd at Grenier Field, Manchester, NH. 1945.

12. SSgt. Charles R. Hart, observer, installs radiosonde instrument in WB-50's ejection chamber.
 13. Newscaster, the late Edward R. Murrow, about to fly with Air Force Hurricane Hunters.
 14. WC-135B.
 15. Weather station on floating Arctic ice island named for Lt. Col. Joseph O. Fletcher of 375th Recon Squadron, Eielson AFB, AK. Island was sighted at 89 degrees north by observer 1st Lt. Walt C. Jones, July 20, 1950.
 16. Gen. Jack Cattton, MAC commander, center, chats with two 53rd aircraft commanders he just decorated. Aircraft in background became Airborne Weather Reconnaissance System (AWRS) prototype.
 17. Capt. (later Col.) Hiram P. Bilyeu in Alaska.
 18. WB-50 at McClellan AFB, CA. WB-50 used 1955-1964. (U.S. Air Force photos)



AWS Salutes...

Editor's note: Items destined to the AWS SALUTES column should be sent to unit information officers-NCOs.

MEDALS

Lt. Col. Norman F. Rauscher, 11th Weather Squadron, Elmendorf AFB, AK, received the Joint Service Commendation Medal.

Capt. George C. Bogan, Detachment 3, 7WS, Heidelberg, Germany, received the Air Force Commendation Medal (AFCM).

Capt. Archie C. LeBron, Det. 3, 7WS, Heidelberg, Germany; AFCM.

Capt. James E. Bralley, Det. 3, 7WS, Heidelberg, Germany; AFCM.

EDUCATION

TSgt. Tadd Kowalzyk, Det. 6, 2nd Weather Wing, Stuttgart-Vaihingen, Germany, was awarded an associate of arts degree from Maryland University.

SERVICE SCHOOLS

Graduates of the Military Airlift Command NCO Academy's Class 76-1 included: TSgt. Dennis R. Cook, Det. 11, 24WS, Reese AFB, TX; TSgt. Cecilia C. Goreczny, Headquarters Air Weather Service, Scott AFB, IL; TSgt. Roger A. Hagen, 9th Weather Reconnaissance Wing, McClellan AFB, CA; SSgt. J.R. McLeod Jr., Det. 25, 5WW, Howard AFB, CZ.

TSgt. Tommie E. McRae, Det. 1,

11WS, Elmendorf AFB, AK; TSgt. Stephen A. Muscarella, Operating Location-D, 1WW, Hickam AFB, HI; TSgt. Harley O. Sundahl, 31WS, Wiesbaden AB, Germany; TSgt. Leeward Tubbs, 2WS, Andrews AFB, MD; MSgt. Leonard B. Whipple, Hq. AWS, Scott AFB, IL; TSgt. Doyle E. Yeater, Det. 6, 12WS, Peterson Fld, CO; and SSgt. Richard C. Younger, Det. 18, 25WS, Mountain Home AFB, ID.

SMSgt. Jackson I. Brooks, Hq. AWS, Scott AFB, IL, USAF Senior NCO Academy graduate.

SMSgt. Gerald R. Gooding, Hq. AWS, Scott AFB, IL, USAF Senior NCO Academy graduate.

SMSgt. William A. Gavers, Det. 5, 7WS, Katterbach AI, Germany, USAF Senior NCO Academy graduate.

UNIT HONORS

SSgt. Danny E. Hackett, Det. 30, 6WW, Vandenberg AFB, CA; NCO of the Quarter.

Sgt. Darrel Lee Smith, Det. 30, 6WW, Vandenberg AFB, CA; Airman of the Quarter (AOQ).

CIVILIAN HONORS

Cheryl Ann Hill, 7WS, Heidelberg AI, Germany; Outstanding Civilian Executive Support Technician Award.

PROMOTIONS

Timothy J. Keating, Det. 9, 9WS, Davis-Monthan AFB, AZ, to first lieutenant.

William C. Coker III, Det. 6, 3WS, Homestead AFB, FL, to staff sergeant.

Javier Barajas, Det. 9, 9WS, Davis-Monthan AFB, AZ, to airman first class.

Dennis J. Elliott, Det. 6, 3WS, Homestead AFB, FL, to sergeant.

SPECIAL HONORS

A1C David D. Park, Det. 25, 6WW, Howard AFB, CZ, was selected as U.S. Air Forces Southern Command AOQ.

MSgt. Ernest L. Lewis, 2WW, Lindsey AS, Germany; Outstanding Administration Superintendent Award.

MSgt. Carl Kirchoff, 31WS, Lindsey AS, Germany; Executive Support Superintendent Award.

SSgt. Allan C. Marsden, Det. 4, 7WS, Schwaebisch Hall AI, Germany; Outstanding Executive Support Specialist Award.

1st Lt. Robert N. Rhodes, 53rd Weather Reconnaissance Squadron, Keesler AFB, MS; base Junior Officer of the Quarter.

The AWS Yates Award, given to the outstanding weather reconnaissance crew, this year went to the 53WRS, Keesler AFB, MS, A-1 crew. The crew consists of Capt. Robert W. Packer, aircraft commander; 1st Lt. Dewey R. Myers, copilot; Maj. Thomas R. Roll, navigator; Maj. Lawrence J. O'Shea, weather officer; MSgt.

Ronald H. Potts, flight engineer; TSgt. Charles A. Hart, weather observer; SSgts. Joe R. Walling and Patrick L. Gallegly and Sgt. Norman C. Paine, meteorological technicians.

BIRTHS

BOWEN, Amn. and Mrs. Larry, son, Paul Lewis, June 23. Hq. 3WW, Offutt AFB, NE.

SPILLINGER, Maj. and Mrs. Gordon, daughter, Margaret Clare, July 18. Hq. 3WW, Offutt AFB, NE.

EMBERSON, Sgt. and Mrs. Dean, son, Buford Daniel, July 14. Det. 19, 26WS, Whiteman AFB, MO.

JOHNSON, SSGT. and Mrs. Charles C., son, Patrick Matthew, May 8. Det. 7, 5WW, Ft. Ord, CA.

GILBERT, Capt. and Mrs. Clifford F., daughter, Amy Patricia, June 5. Det. 7, 5WW, Ft. Ord, CA.

CECIL, 1st Lt. and Mrs. Thomas H., son, Jeffrey Abraham, July 10. Hq. 5WW, Langley AFB, VA.

PLUMMER, Capt. and Mrs. James M., boy, Scott Vaughn, July 26. 55WRS, McClellan AFB, CA, now an Air Force Institute of Technology student at St. Louis University, MO.

MARRIAGE

SSgt. Ronald L. Simons, Det. 6, 3WS, Homestead AFB, FL, married Miss Eleanor P. Bobila of San Francisco, CA, July 10 at the

Homestead AFB chapel.

REENLISTMENT

Sgt. Michael D. Miller, Det. 19, 26WS, Whiteman AFB, MO.

COMMAND ASSIGNMENTS

Lt. Col. Roger F. Strand, to commander, 3WS, Shaw AFB, SC. Lt. Col. George E. Chapman, to commander, 25WS, Bergstrom AFB, TX.

Lt. Col. (Col. Sel.) K.G. Blunck, previously announced to become director of AWS aerospace services, a directorate of the aerospace sciences deputation, is changed to MAC office of command data automation.

Lt. Col. (Col. Sel.) L.L. LeBlanc, to AWS director of aerospace services.

Lt. Col. Albert D. Purvis, to commander, 53WRS, Keesler AFB, MS.

INFORMATION ONLY

Sgt. John Kennaly, Det. 29, 25WS, Buckley ANGB, CO, was the last man in his unit to encode a message to be sent from the Representative Observation Site (ROS) there. The ROS is now in the base weather station.

RETIREMENT

MSgt. Harold W. Sargent, Det. 9, 9WS, Davis-Monthan AFB, AZ.

MSgt. Carl J. Berth, Det. 9, 9WS, Davis-Monthan AFB, AZ.

AWS provides many services for Apollo-Soyuz hookup

HOUSTON, TX—Many Defense Department (DOD) meteorologists and space environment specialists supported the Apollo-Soyuz Test Project (ASTP) by observing and evaluating environmental conditions at the earth's surface, in the atmosphere and in space itself. Data includes' exchange weather information from the U.S.S.R. which were relayed to the Mission Control Center here, or to the Cape Canaveral Forecast Facility (CCFF), for use by NASA officials directing the flight.

Air Weather Service used extensive meteorological resources of the Air Force Eastern Test Range (AFETR) to support the ASTP launch. In addition to normal hourly surface weather observations, many critical soundings of the upper at-

mosphere were made by balloons and rockets during the last two days of the countdown.

A computerized radar storm motion and prediction program, operational at the CCFF, watched for severe weather in the Cape Canaveral area and an operational Launch Pad Lightning Warning System measured the atmosphere electrical field potential.

The capability of one of the largest high-speed meteorological computers in the free world, Air Force Global Weather Central, Offutt AFB, NE, was accessible to the DOD meteorologists as well.

AWS environmental support also extended into outer space. The AFGWC Space Environmental Support System (SESS) collected data from the Solar Optical Observing Network, a global chain of seven strategically located optical-radio telescopes and sensing devices. The system provided information on solar conditions which could adversely affect manned operations in orbit. Radiation sensing satellites, such as VELA, provided energetic particle, X-ray and solar wind information to the SESS.

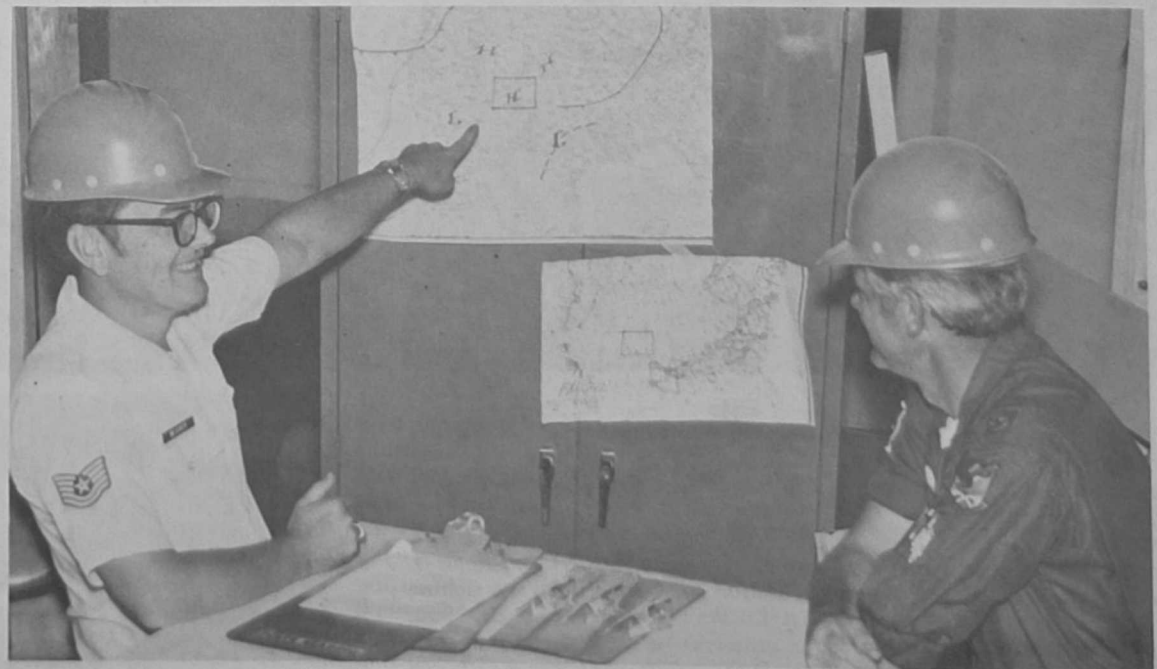
Interpretation of the Defense

Meteorological Satellite Program (DMSP) infrared and video satellite imagery was provided real time by meteorologists at the AFETR for launch and abort area forecasting.

Prior to splashdown, the 9th

Weather Reconnaissance Wing made vital weather reconnaissance of the primary recovery zone using WC-130 aircraft. On two of the manned Apollo missions such reconnaissance provided information which caused a late-

hour shifting of the splashdown point to safer areas. The 9WRW also provided WC-130 reconnaissance over the launch site at Cape Canaveral with emphasis on detecting any weather which could disrupt the spacecraft launch.



HARD HATS are not needed at Detachment 6, 12th Weather Squadron, Peterson Field, CO, because of the weather but because construction is underway in the base operations building. For the briefing of Maj. James E. Ferrier, right, before his local flight, TSgt. Larry D. Beaver, a Det. 6 weather forecaster, saw to it that briefer and "brieeer" wore the protective "lids." (U.S. Air Force photo by A1C Paul Dillow)

General Holzman dies

Brig. Gen. Benjamin G. Holzman (USAF Ret.) died July 29, 1975 at the Homestead AFB, FL, hospital. General Holzman actively promoted operational meteorology and was deeply involved in research. He was buried at Arlington National Cemetery.

A lesson from history

By John F. Fuller
(AWS Historian)

Twenty-five years ago this month United Nations Forces went on the offensive in Korea as troops under Gen. Douglas MacArthur landed at Inchon, on the North Korean's over-extended flank. Tides determined D-day, but typhoons nearly forced a postponement.

During the first week of July, 1950, with the war a little more than a week old, General MacArthur directed his staff to consider plans for a daring amphibious operation. By August he and his staff had agreed that the Inchon-Seoul area was best and September was the time. They were opposed by the Navy because of the difficult tidal conditions at the selected landing site. General MacArthur said those tides were precisely why he had selected Inchon; the North Koreans considered that location for a landing to be "impossible."

Tides at Inchon had a maximum range of 31 feet. Navy landing craft needed 23 feet to clear the Inchon mud flats and reach the landing sites. With September a transition month between high and

low tides, General MacArthur's planners chose the 15th of the month because, with the moon coming nearest the earth then, it was the day the tides insured the deepest water over the mud flats. A better time would not come again until mid-October.

The operational plans for the landing and the breakthrough which followed, were comprehensive ones requiring exhaustive research into oceanographic and climatological records. Most of the oceanographic and hydrographic studies were prepared by the Navy, but Air Weather Service's 2143rd Air Weather Wing at Tokyo provided a qualified oceanographer, Capt. Robert L. Miller, to help prepare the Far East Air Forces operational plan. Using mostly Japanese and U.S. Coast and Geodetic Survey tide tables, he created a study of the Inchon area which included currents, waves and swells, beaches, contours, water temperatures, etc.

Loading operations were underway in three Japanese ports when AWS forecasters at Tokyo Weather Central warned

AWS' 'Yesteryear' was...



HISTORY IN THE BALANCE was the case as CWO David A. Morgan plots Typhoon Jane's course in the Tokyo Weather Central just hours before it hit near Kobe, Japan. Weather bulletins, four times each day, helped minimize damage to the Inchon invasion fleet -- and helped keep the landing on schedule. (U.S. Air Force photo)

that Typhoon Jane would strike near Kobe, Japan. Loading operations were held up for 36 hours and, as predicted, Typhoon Jane hit the next morning with 110 m.p.h. winds and 40-foot waves.

A few days later, as Jane pulled out, 66 cargo vessels left Kobe for Inchon—just ahead of Typhoon Kezia, which AWS' WB-29s had located.

The invasion fleet, with

General MacArthur and his staff aboard, hit rough seas, but when Typhoon Kezia shifted to a northeasterly course, it left only overcast skies and a light rain to fall on American forces—as they waded ashore at Inchon.

'Minutemen' aid BWS

ANDREWS AFB, MD—In true minutemen tradition, when the Andrews AFB weather station was faced with critical forecaster manning, reservists came to their assistance.

From March throughout October Air National Guard (ANG)

forecasters and mobilization augmentees will provide 237 mandays of augmentation to the unit.

ANG observers will also serve at Andrews AFB from July through mid-October for a total of 90 mandays.



ACTIVE RESERVISTS is a title which fits TSgt. John B. Smith, left, observer, and Capt. Kenneth B. Mielke, forecaster. Both are members of the 126th Weather Flight, Wisconsin Air National Guard. The pair recently served at Detachment 25, 31st Weather Squadron, Rhein-Main AB, Germany, to support Milwaukee's 128th Air Reserve Group during its Creek Party Exercise there. In civilian life Captain Mielke is a graduate student working toward a masters degree in meteorology and Sergeant Smith is a computer programmer with a large manufacturing company. (U.S. Air Force photo)

Solid Shield participants grow to 59

LANGLEY AFB, VA—Additional information about the 5th Weather Wing participation in Solid Shield 75 shows that there were 59 people working from base and field weather stations around North and South Carolina rather than the 55 reported earlier. The field exercise, which took

More RVN awards to AWS units

by
SMSgt. Charles E. Lee

SCOTT AFB, IL—The July 1975 AWS OBSERVER identified Headquarters 1st Weather Group as the recipient of the Republic of Vietnam Gallantry Cross with Palm. The OBSERVER has since learned of additional units awarded the decoration. They are:

The 5th Weather Squadron, on Air Force Special Order (AFSO) GB-314, May 14, 1975, for service between July 8, 1966 and May 1, 1972.

Detachment 32, 5WS, on AFSO GB-314, May 14, 1975, for service between April 1, 1966 and Oct. 16, 1968.

The 10WS, on AFSO GB-316, May 14, 1975, for service between July 8, 1966 and Jan. 28, 1973.

Det. 25, 10WS, on AFSO GB-316, May 14, 1975, for service between Oct. 22, 1968 and June 30, 1970.

The 30WS, on AFSO GB-320, May 14, 1975, for service between April 1, 1966 and July 1, 1971.

place along the Atlantic Coast and encompassing Camp Lejeune, Seymour Johnson AFB and Ft. Bragg, NC, allowed Air Force weathermen to work and plan along with Army, Navy and Air National Guard people.

Lt. Col. Charles L. Frederiksen, Detachment 3, 5th Weather

Det. offers hot pole climb for better record

Storm report shows little stat change

The 1974 annual typhoon report was published by the Joint Typhoon Warning Center, Guam, and figures show little overall change. In 1974 there were 32 named tropical cyclones and in 1973 there were but 21. Over a 10-year period, 1964 holds the record, 40, and the average between 1945 and 1974 stands at 25.80 per year.

On the Atlantic side, the 1974 hurricane season in the North Atlantic produced seven named tropical cyclones and of these, four were hurricanes. These figures exactly match the 1973 season and are lower than the past 30-year seasonal average. That average was nine named tropical cyclones, of which six were hurricanes. The record year was 1953 with 14 named tropical storms, six of which were hurricanes.

DAVIS-MONTHAN AFB, AZ—How many people would drive for miles on a regular basis just to climb a 50-foot pole in heat which is rarely cooler than 100-plus degrees? The maintenance men of Detachment 9, 9th Weather Squadron here do it; it's their job.

Of more importance, according to Maj. Ardith N. Wagley, detachment commander, is that in a little more than four years, the men doing it drove more than 50,000 miles—all accident free.

"The poles hold temperature difference sets (Delta-T) and the driving to and from them is done in blistering desert heat," Major Wagley said. He added, "We probably won't get a safety award for this performance, but one may have already been received—freedom from the pain that goes with vehicle accidents."

As a dubious enticement for someone to top the unit's driving record, Major Wagley offered, "If anyone can top our record, come on out in August and we'll let you climb one of our Delta-T towers; after all, the metal surfaces only exceed 115 degrees Fahrenheit."

Squadron, Ft. Bragg, NC, commanded the weather support force which provided forecasts to Lt. Gen. Richard J. Seitz, Joint Task Force and XVIII Airborne Corps commander. These forecasts were used to plan air strikes and air drops.

The weather force was in two

groups, the Air Force Forces, headed by Col. Walter J. Harrison; and Army Forces, led by Colonel Frederiksen. The 11th Weather Flight (ANG) operated the Simmons Army Air Field weather station to again demonstrate the value of the total force concept.



'HELP YOURSELF' was not an invitation at Detachment 11, 2nd Weather Wing, Torrejon AB, Spain, but was the way the unit got a new weather display board recently. MSgt. John M. Walsh prepares to mount a weather chart on the new display board. During its construction, unit people installed a new ceiling and Spanish porcelain tile on the walls. (U.S. Air Force photo)

Interviewing AFGWC

Portis says, 'I'm impressed'

(Ed. Note: This is the second in a series of interviews with some of the men and women of Air Force Global Weather Central, Offutt AFB, NE).

MSgt. (SMSgt. Sel.) Creston Portis Jr. is a synoptician-assistant team chief in the North American Forecast Center (NAFC), at AFGWC. It is his first assignment in a centralized forecasting facility. NAFC issues all military weather advisories and point weather warnings for continental U.S. installations.

The synoptician ensures that all forecasts are from consistent, highest quality synoptic analyses and prognoses. He modifies computer-produced products, using latest data, geostationary operational environmental satellite pictures, aircraft reports, and, primarily, synoptic experience to arrive at the synoptic "snapshots." He also prepares forecasts for special interest Defense Department operations and exercises, such as the Vietnamese Relocation Camp at Indiantown Gap, PA.

Q: What was your first job at AFGWC?

A: I was assigned to the section of my choice, the North American Forecasting Section, as a CTFP forecaster. I was forecasting for 25 stations in the southern and southeastern section of the country.

Q: How do you like your AFGWC job?

A: I like it better now than when I first got here. I was used to the operating procedures of a detachment and I felt a resistance to change to a new working environment here. I really enjoyed the CTFP job because it was very challenging, and also, at times, frustrating, when some forecasts didn't come out exactly as I had expected. I like the coordinating and supervisory duties of my present job.

A: Would you recommend that other NCO forecasters volunteer for an AFGWC assignment?

A: I didn't volunteer, but I would recommend that NCO forecasters volunteer because

there are unlimited opportunities to increase career field knowledge in any one of the many technical sections here at GWC.

Q: What do you think about the centralized forecasting concept?

A: I'm impressed with the centralized forecasting concept used in the North American Forecast Center.

Q: How do you like the Offutt AFB area?

A: The climatic extremes really turn me off. My home is on the Alabama Gulf Coast and these Omaha winters are a bit too cold for me.

The next interview will be with Amn. Michael Raadgpe, a weather observer programmer in the Data Automation Branch of AFGWC.

WEATHER, TO EIGHTH AIR FORCE' are the opening words from Maj. Alfred F. Scholz, left, to wives of men assigned to 26th Weather Squadron and its Detachment 20, Barksdale AFB, LA, during a special orientation for them. Host for the day was Col. Frank D. Reeder, 26th commander, and places visited included the 8AF Command Center, above. (U.S. Air Force photo)



Burt seeks new net meets

MARCH AFB, CA—The 9th Weather Squadron here has a man who has jumped, blocked and spiked more volleyballs than most people have seen, but his big regret is that Air Force no longer sponsors USAF-wide volleyball competition.

"We have the best team in SAC and its just too bad we can't prove it," were the words of Joe Burt.

Joe played on the Air Force Systems Command team in 1970-71 while at Patrick AFB, FL. Next he helped earn victories for the 1971-

72, 1972-73 Air Force Logistics Command team at Robins AFB, GA. Today he plays and coaches the March AFB, CA, volleyball team, a job he has held for two seasons.

An idea of his playing and coaching prowess came when his team defeated the Mexican Regional Team at Mexicali, Mexico. The team took first place against George AFB, CA; Edwards AFB, CA; Nellis AFB, NV; China Lake NAS, Barstow and Twenty-Nine Palms Marine Base,

CA; as well as Los Angeles AFS, CA.

The team later competed with universities such as USC (University of Southern California at Los Angeles).

This year Joe formed a 9th Weather Squadron team to compete on March AFB. It is made up of Larry Lathrop, Mike Brown and Mark Bishop, Detachment 7, 9th Weather Squadron. The rest of the team comes from units too small to form their own unit team.

(Open Star) U.S. Government Printing Office: 1975-665-707-4

SPORTS FRONT

Bowling

SHEMYA AFB, AK -- When Archie Keiper, Detachment 3, 11th Weather Squadron here, picks up a bowling ball, other bowlers now pay close attention. Archie not only finished the latest intramural bowling season with three records, he topped it off by setting a base first by rolling a 300 game.

His three league wins were:

highest average (193), highest game (250) and highest series (642). The "kicker" came when he tried out for the base team, which will play in the Alaskan Air Command Remote Site Tourney. That was when he rolled the first 300 game in Shemya's lane history.

He made the team.

Golf

FT. ORD, CA -- Detachment 7, 16th Weather Squadron's "Weather Guessers" recently defeated Army's Company "B" on the golf links here. The win earned the team members individual trophies and the unit took home the Commanding General's Unit Trophy. The 18-hole playoff was on

the highly rated Monterey Peninsula's Blackhorse Course and was a four-man match play event.

Air Force team members included: team captain Terry Landsvork, Chris Johnson, Ken Brown, Cliff Gilbert, Harv Dillard, Dan Seitzer and Curt Morton.

HICKAM AFB, HI—It was back slapping time at Hickam AFB's second hole recently. As Ron Bound, Joe Tucker and Bill Cummins watched, Al Gargiulo picked up his trusty three iron and slammed a 167-yard hole-in-one. According to Gargiulo, it took a high tee, a quartering tailwind, a lot of roll and year of trying to make that big one.

HICKAM AFB, HI -- Jerry Cox, Al Gargiulo, Bill Cummins, Ron Bound, Ed Hidrogo, Doug Forsyth, Joe Tucker, Dennis Neelson and Ray Runyan, 1st Weather Wing's entry in the Palmer Golf League

here, came in runnersup. This position gives them a chance to defend their title as base champions in the base's upcoming playoffs.

Biking

HICKAM AFB, HI—After pedaling more than 2,000 miles from home to office and back, Neil McQuage, 1st Weather Wing, has been nicknamed "Super Bike." Since 1974 he pedaled the 10 miles each way. It saved him 15 minutes each way and around \$1 a day in cost. As a bonus, it put him in shape to average 70 aerobic points each week during the last 30 weeks.



"VISIBILITY 3 MILE, TEMPERATURE 50, WIND PAINT 40, WIND EAST AT 30 KNOTS, ANEMETER 2995. STAND BY, WE'RE MEASURING THE CEILING NOW!!"

FIRST CARTOON to appear in AWS Observer was drawn by MSgt. Jake Schuffert, now retired from the Air Force and living in the Washington, D.C., area. His cartoons appear regularly in the Air Force Times.