

Eight men, three units win weather awards

Brig. Gen. John W. Collens III, Air Weather Service commander, recently announced the winners of the 1974 Commander's Awards. They are:

WILLIAMS AWARD

The Williams Award, for the outstanding weather unit performing as a weather station with an observing, forecasting or briefing function, goes to Detachment 8, 20th Weather Squadron, Kadena AB, Japan.

MEREWETHER AWARD

The Merewether Award, for individuals making the most significant technical contribution to military meteorology, went to two men. They are Capt. Robert G. Feddes and Robert D. Smith, U. S. Environmental Technical Applications Center, Washington. Captains Feddes and Smith developed a synoptic-scale simulation model for operational support to new weapon systems.

ZIMMERMAN AWARD

The Zimmerman Award, for the individual who best demonstrates application of climatology or most significantly furthers the AWS climatology program, went to Maj. Dell V. McDonald. He was chosen for developing a system to assess environmental impact on combat operations. Major McDonald is assigned to Operating Location "E," 16th Weather Squadron, Ft. Leavenworth, KS.

OBSERVER AWARD (Specialized Function)

The Observer (Specialized Function) Award, for individual excellence, went to SSgt. Albert H. Mongeon, Det. 7, 6WW, Carswell AFB, TX, for contributions to the mission accomplishment of the Automated Weather Network.

SENER AWARD

The Senter Award, for the weather reconnaissance unit best demonstrating a continuous ability to surpass established norms in mission accomplishment and operational readiness, went to the 54WRS, Andersen AFB, Guam.

PIERCE AWARD

The Pierce Award, for individual excellence in forecasting at a non-centralized facility, went to SMSgt. Kenneth R. Walters, Det. 7, 15WS, Kelly AFB, TX, for operational performance while supporting the San Antonio Air Logistics Center and the 433rd Tactical Airlift Wing (Reserve).

BEST AWARD

The Best Award, for individual excellence in performing environmental service support at staff level, went to Lt. Col. Eichi Shibata, Det. 8, 20WS, Kadena AB, Japan. The award was for support to four major U. S. Air Force units, a U. S. Army Base Command and the international scientific

project, Air Mass Transport Experimentor AMTEX.

FORECASTER AWARD (Centralized Facility)

The Forecaster (Centralized Facility) Award, for individual excellence, was presented to Capt. Charles R. Holliday, Joint Typhoon Warning Center, Guam, for efforts in forecasting tropical cyclones.

OBSERVER AWARD

The Observer Award, for individual excellence, goes to SSgt. Paul C. Ferris, 10WS, Nakhon Phanom AFB, Thailand, for overall performance and efforts in developing a highly effective Cambodian weather observing service.

YATES AWARD

The Yates Award, for a consistent record of aerial reconnaissance excellence, was presented to Crew B-1, 53rd Weather Reconnaissance Squadron, Keesler AFB, MS. The award is for their contribution to the successful operational test and evaluation of the Aerial Weather Reconnaissance System or AWRs.



MAJ. GEN. RUSSELL K. PIERCE JR., right, presents the Pierce Award, which was named for him, to SMSgt. (CMSgt. select) Kenneth R. Walters, Detachment 7, 15th Weather Squadron, Kelly AFB, TX, for forecasting excellence at a non-centralized facility. Brig. Gen. John W. Collens III, AWS commander, left, witnessed the presentation. General Pierce is a 23-year veteran of AWS as well as its commander between 1965-1970. Sergeant Walters is scheduled to become a member of AWS headquarters, Scott AFB, IL, in July 1975. (U. S. Air Force photo)

Crew members were: Capt. Robert W. Packer, 1st Lt. Dewey R. Mayers, Maj. Thomas R. Roll and Larry J. O'Shea, MSgt. Ronald H. Potts and TSgt. Charles A. Hart.

Promotion garners AWS

26 more lieutenant colonels

Twenty-six Air Weather Service majors recently were selected for promotion to lieutenant colonel. They represent 39 per cent of those eligible in AWS, compared to a 33 per cent selection rate for Air Force and 35 per cent for the Military Airlift Command.

Chosen for promotion were: Mikel W. Cohick, Charles M. McDonald, Forrest N. Dye, James O. Ivory, Walter D. Meyer and Serhij Pilipowskyj, of Headquarters AWS and its detachments.

Hansjoachim E. Fischer, Robert

H. Hedenberg, William H. Murphy and Craig D. Shaw, 1st Weather Wing; Frederick A. Scheeren, 2WW; Lee R. Clausen and Billie E. Grubbs, 3WW.

Lee L. Harkins Jr., Owen Y. Macy and Donald J. Varley, 5WW; Don R. Baker, Russell A. Hankins, David S. Lydon, John W. Maurin, James R. Norton, Allan C. Ramsay, Phillip W. West and Quenten L. Wilkes, 6WW; Robert E. Thompson, 9th Weather Reconnaissance Wing; and William H. Johnson, MAC Management Engineering Team.



Vol. 22, No. 6

Headquarters, Air Weather Service, Scott AFB, IL.

June, 1975

54th aids refugees

Briefing room becomes bedroom

ANDERSEN AFB, GUAM — One Air Weather Service unit got in on Operation New Arrivals, the massive evacuation of Vietnamese through Guam. It took part, not by providing weather information, but by providing what it took to keep the evacuees out of the weather.

When the wave of displaced persons began arriving on Guam it

quickly became apparent to officials that more lodging areas were needed.

Col. Franklin A. Ross, commander of the 54th Weather Reconnaissance Squadron, provided use of the unit's crew briefing room. Within hours more than 60 persons, many of them children, came to reside there. Next, into the briefing room came

mattresses, sheets, towels, baby bottles, diapers and C-rations.

Meanwhile, members of the squadron helped move equipment from a flightline nose dock building so more sleeping space could be provided.

As history was made during Operation New Arrivals, an Air Weather Service unit was in the mainstream of things.



JOSHUA COMMANDED the sun to stand still and it did, according to the scriptures. The Air Weather Service can't do that — but the sun never sets on the command because AWS keeps a continuous watch on it by means of solar radio telescopes such as this one at Operating Location "B," 12th Weather Squadron, Hamilton City, MA. AWS' environmental support job now extends through some 100-trillion cubic miles of space around earth.

(U.S. Air Force photo)

AWS '75 AFA drive tops '74

The record Air Weather Service Air Force Association (AFA) membership drive in 1974, described then by the AWS commander as an "unprecedented showing," was broken during the most recent drive. Shattering of the record was not by actual members gained, but by members gained in relation to the size of AWS today as compared with its size in 1974.

After last year's drive AWS units had 16 per cent of their people as AFA members. At the conclusion of this year's membership drive 1,319 AWS people belonged to the AFA or 20 per cent of the command's population. According to Brig. Gen. John W. Collens III, AWS commander, "This achievement is even more

spectacular when you consider that AWS declined by more than 1,000 people between membership drives."

Standout units at the end of this year's drive, measured against current assigned strengths, are: Hq. AWS, with 63 per cent of its people now members in the AFA; 1st Weather Wing's dramatic field unit increase — 10 per cent; and 3WW, with the greatest number of members (272), although it is not the largest of the AWS wings.

As he reviewed the results of this year's drive, General Collens said, "My hat is off to all who were responsible for explaining the merits of AFA membership and thus making this year's record better than before."

Command Line



Brigadier General
John W. Collens III

AFGWC enhances careers

To young noncommissioned officers and commissioned officers planning their future careers in the Air Weather Service — especially the staff sergeants and lieutenants — I have some advice.

For the NCOs

Your career field is changing. Convert to the 251XO career field as soon as you can. The base weather station, which you will man and later supervise, will be modernized. It will have cathode-ray display devices, rapid query-response communications with the centralized production facilities, and short-range forecasting techniques to complement the forecasts issued from Air Force Global Weather Central (AFGWC).

Those prepared to face the challenges of the 1980's will be those who can interact with computers and exploit products which have been centrally prepared. They must serve customers equipped with rapid communications systems who expect to receive decision assistance for the management of resources and the commitment of forces.

Today such practical experience is best gained at AFGWC. As our process of centralization and modernization continues, you should spend part of your career at AFGWC. Get there early and lay the foundation for your later career as a station chief. Reflect this planning in your volunteer statements.

For the Officer

In filling out your Form 90 it is important to plan for early Air Force Institute of Technology training, professional military education, short tours and command. But don't neglect a careful choice of jobs which can give you the professional experience needed to function as a well-rounded weather officer of the 1980s.

We continue the process of centralization for many reasons: advanced communications, increasing requirements, decreasing manpower, centralization of Department of Defense decision making, advanced airlift concepts, increasingly

sophisticated weapon systems, etc.

The point is, we are centralizing. A field grade officer in the 1980s without an understanding of the centralized production system will be behind the power curve.

I strongly encourage you to get that experience early in your career. Today such practical experience is best gained at AFGWC. An assignment there can lay the groundwork for the future challenges of the evolving, systematic AWS support system of the 1980s.

The Environmental Technical Applications Center (ETAC) will be on-line with real-time communications, responding to operational requests. Communications to mobile tactical sites will deliver centrally produced products to worldwide areas of concern. Weather support unit jobs will shift to battle staff positions where you will use rapid query-response with the central facilities to serve command and control decision makers.

STAFFMETS and staff weather officers will have direct access to the central data bases. Detachment commanders and commanders at all echelons will need to be conversant with the AWS Automated systems, products and central production facilities. Be prepared.

Current AFGWC job opportunities include: working with meteorological satellite systems; translating customer requirements into new operational, computer-assisted capabilities; providing direct support to the highest levels of DOD Command and Control; ensuring support to critical Air Force missions; Space Environmental Support System forecasting; synoptic forecasting; numerical modeling; systems analysis and design; and computer programming.

A most timely reference is MAC Pamphlet 36-2, General Guide to Weather Officer Jobs in the Military Airlift Command, published March 6, 1975. Plan now.

Fourteen gain regular officer

SCOTT AFB, IL — Fourteen Air Weather Service officers recently were selected for appointment in the Regular Air Force.

They are: David H. Allen, Joel D. Bonewitz, Stuart W. Bradford Jr., Stephen W. Carroll, Marvin A. Cochrane, Paul B. Knutson, Fred P. Lewis, William R. Schaub Jr., Ronald D. Townsend, Brian L. Vanorman, John E. Vogel, Thomas N. Walker, Erwin L. Williams and David L. Wilson. The recommended officers were all in the two-year group.

Swap List

The personnel each listed indicated a desire to swap assignments with another person with the same AFSC:

25251 — SSgt. Jack H. Niles, Det. 18, 20WS, APO, SF 96301. Wants Ft. Ord, CA; McClellan, Mather or Beal AFBs, CA, in July.

25251 — SSgt. Francis D. Beasley, Det. 12, 7WS, APO NY 09185. Wants RAF Croughton or Upper Heyford, England.

25251 — Amn. Debra J. Cage, PSC #2, Box 6232, Offutt AFB, NE 68113. Wants Charleston, Shaw or Myrtle Beach AFBs, SC.

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. — I just finished viewing the Advanced/Weatherman briefing and thought it did a creditable job in explaining what will take place in the enlisted weather field. However, there is one point that bothers me and it wasn't addressed in the briefing. Once the two ladders are combined, won't we lose many of our present master, senior and chief master sergeant grades which will make it harder to advance to these grades?

A. — No. Conversion to the single ladder will not, in itself, reduce the top three grades. In fact, officer-to-NCO conversions will actually help retain many of these authorizations as the total number of airmen authorizations will increase. It is this total that generally justifies grade distribution. Any reduction in grade authorizations will be the result of Air Force imposed reductions — not implementation of the Advanced Weatherman. Under the present system, promotions are based on Air

Force-wide vacancies — not AFSC vacancies — in a particular grade.

Q. — I'm a master sergeant competing for promotion to senior master sergeant. I heard a recent rumor that some career fields will be promoted during the next cycle at the expense of others. Is there any truth to this? If so, why?

A. — Yes, there is truth in what you say. However, there is only one career field involved — Security Police. As you may be aware, Air Force has worked for some time to fill the severe and critical shortage of supervisory personnel in the Security Police field. Several long-range actions were taken but, to date, have not resolved the problem. Consequently, a special senior NCO promotion program was developed to provide some immediate relief. Simply stated, 36 additional E-8 and 10 additional E-9 promotion quotas were allocated to them. This had no effect whatsoever on the number of promotions scheduled for our weather career field.



NATO VISITOR to units of the 2nd Weather Wing is Sergeant First Class Hans Jansen of the Royal Netherlands Air Force. Briefing him on weather's use of teletype is SSgt. Constance L. Lipcius, Ramstein AB weather station chief observer. Sergeant Jansen is the assistant to the staff meteorological officer, AFCENT, Brunssum, Belgium. (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.

AWS distributes revised Yom Kippur case history

John Fuller, Air Weather Service historian, recently announced that a revised edition of AWS Historical Study No. 6, The Yom Kippur War, 1973: A Case History of AWS Contingency Support, has been distributed to AWS units. It replaces a similar publication which was recalled to be edited by the Air Staff and MAC.

According to Mr. Fuller, it is recommended reading by Brig.

Gen. John W. Collens III, AWS commander, for AWS people possessing the necessary Secret security clearance.

Copies of the publication were sent to the Air Force Global Weather Central, U.S. Air Force Environmental Technical Applications Center and each weather wing historian for further distribution.



The Air Weather Service OBSERVER is an official Class IIA Air Force newspaper published monthly for personnel of the world-wide Air Weather Service of the Military Airlift Command and under the supervision of the Office of Information, Headquarters, Military Airlift Command, Scott AFB, IL, 62225. Opinions expressed herein do not necessarily represent those of the Air Force.

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BRIGADIER GENERAL JOHN W. COLLENS III
Commander, Air Weather Service
DAVID F. BARR
Editor

ENLISTED LINE

by
CMSgt. Sam Parish

My column this month will consist of a letter from one of our former members. It speaks for itself: Quote:

Dear Sir,

I am writing this letter to you in hopes that you may be able to render some assistance or advice to me. I am a recently discharged weather observer attending college in my hometown who wishes to reenter the Air Force either as a weather observer or in another capacity.

I was discharged in August 1974, and had hoped to complete my college education in three and one-half years. However, with the ever changing shift in our society towards skilled employees with background experiences in the field which they are pursuing I too have come to switch my thinking. My line of thoughts has changed not only due to the demands of our society, but also when I stop and recall the important role I had in performing my duties as a weather observer; the travel and experience I received; and the many friends I made and am still in contact with.

My past Air Force record included APRs (Airman Proficiency Reports) of 8, 9, 9, 9, and I was awarded the Air Force Commendation Medal for service from April 1972 to January 1974.

Sir, any assistance or advice you can give to me would be greatly appreciated on my behalf. I would be most happy to rejoin the Air Force as a weatherman if the opportunity presented itself to me.

I have thought long and hard about the decision I made to leave the Air Force and I regretfully can say that it appeared to be the best course to follow when I made it, but now I can see that I took the wrong road in the decision I made.

Thank you for your time in reading this letter. Unquote.

Needless to say, we are unable to help the former sergeant. It's a sign of the times — we have more wanting in than wanting out and — its easier to get out than to get in.

Give your job all you can; you are a part of the "IN" group.

Sgt. Stephan Bieda He looks past weather

CLARK AB, RP — When Sgt. Stephan Bieda transferred to the Republic of the Philippines, it was almost like coming home to him. Additionally, it put the much-traveled weatherman back beyond the weather — Sergeant Bieda is an amateur astronomer.

The homecoming part of his new assignment to Detachment 5, 1st Weather Wing here, stems

from two sources; his wife, Nena, is a Filipino, and his familiarity with the country through stories related by his father, who was stationed at Nichols AB, just outside Manila, in the 1930s.

In relation to his hobby, Sergeant Bieda said, "The Philippines have some of the best skies in the world for star gazing."

Talking of his optical planetary and solar exploration he said, "I first became interested in it when we studied from an elementary science reader when I was in the third grade. The pictures of the heavens fascinated me."

During succeeding years, the high-minded sergeant built several smaller telescopes, but today, at his home in Porac, uses a two and one-half-inch refractor telescope and an eight-inch reflector telescope.

Unlike astronomers who are content just to observe, Sergeant Bieda mounts a 35mm camera to his lens and occasionally photographs what he sees.

On several occasions when assigned in California, he worked four-to-eight hour shifts tracking satellites for Cambridge, MA's, Smithsonian Observatory.

One of the highlights of his hobby came in Virginia five years ago when he watched a total eclipse of the sun.

Wearing light clothing as he set up his equipment, the dedicated weatherman said about his new assignment, "It is peaceful and traffic-free here; you can see all the way to the horizon." Then he smiled and added, "Besides, it doesn't get cold at night here."



GETTING SET UP, Sgt. Stephan Bieda, Detachment 5, 1st Weather Wing, Clark AB, RP, looks through a smoke filter to make sure he gets a good angle on the sun with his two and one-half-inch refractor telescope. He says, "Saturn is the most beautiful planet I have ever seen. It is because of those outstanding rings around it." (U. S. Air Force photo)

QUOTE OF NOTE:

"Timely and accurate typhoon warning is a must for the task force commander at sea. Accurate typhoon warnings giving the extent, course and speed of advance and confirmed by recent serial or satellite reconnaissance are vital information inputs for the tactical commander on which to base evasion decisions. Excessive or improper evasion unnecessarily degrades our ability to prosecute the war. We, in the Navy, appreciate your (USAF, AWS) continued efforts to provide timely weather reconnaissance flights in support of Fleet requirements." — Adm. Elmo R. Zumwalt, chief of Naval Operations, Dec. 26, 1972.

ITS A FACT:

In 1974 there were 45 named tropical storms of which 20 developed into either hurricanes or typhoons. Although satellites were used to a greater extent in storm fixing than in previous years, the 9th Weather Reconnaissance Wing and its 53rd, 54th and 55th Weather Reconnaissance Squadron crews flew 275 sorties, made 422 accurate aircraft fixes and logged 2,598.9 hours in tropical storm reconnaissance.

THINK METRIC — "A miss is as good as 1.6 kilometers."

Five organizations gain achievement certificates

In line with the air weather Service 1974 theme, "Year of the Detachment," AWS presented five Certificates of Achievement to units of the command.

Ground weather wings identified the organizations when to AWS as their "best forecasting units."

The units chosen and their commanders were: Detachment 5, 1st Weather Wing, Clark AB, RP,

Lt. Col. Robert J. Barnhill; Det. 5, 7th Weather Squadron, 2WW, Katterbach, Germany, Maj. Ken B. Kaiser; Det. 28, 26WS, 3WW, Wurtsmith AFB, MI, Capt. Eugene S. Barnes; the Base Weather Station, 1WS, 5WW, MacDill AFB, FL, Capt. Charles Kuykendall; and Det. 30, 6WW, Vandenberg AFB, CA, Lt. Col. Lynn LeBlanc.

Births in AWS

RAUCH, SSgt. and Mrs. Robert G., daughter, Karen Jeanette, Feb. 8. Father is a weather equipment repairman, Det. 3, 1WW, Yokota AB, Japan.

BERRY, Capt. and Mrs. Thomas, daughter, Jennifer Marie, Feb. 22. Father is a navigator, 55WRS, McClellan AFB, CA.

MEALOR, Sgt. and Mrs. Ray G., daughter, Tonya Michelle, Feb. 25. Father is an observer, Det. 1, 5WS, Ft. Campbell, KY.

THIES, TSgt. and Mrs. Robert E., son, Christopher Michael, March 23. Father is Rawinsonde Section NCOIC, Det. 19, 15WS, Lajes Field, Azores.

MILNE, Capt. and Mrs. Robert J., son, Ryan Carlton, March 29. Father Commands Det. 10, 20WS, Kunsan AB, Korea.

KERLIN, Maj. and Mrs. James, twins, son and daughter, Paul McCrae and Nicola Elizabeth, April 7. Father is a member of Hq. 1WW, Hickam AFB, HI.

BEAVER, Sgt. and Mrs. Daniel L., daughter, Stacy Marie, April 12. Father is a weather equipment repairman, Det. 5, 16WS, Ft. Knox, KY.

BAUER, Capt. and Mrs. Bertrand J., twin sons, Bertrand Joseph and Warren James, April 12. Father is a pilot, 53WRS, Keesler AFB, MS.

MILLER, Sgt. and Mrs. Michael, daughter, Elizabeth Anne, April 14. Father is an observer, Det. 19, 26WS, Whiteman AFB, MO.

FORSYTH, 1st Lt. and Mrs. Merlyn C., son, Matthew David, April 22. Father is a member of 54WRS, Andersen AFB, Guam.

★ Personnel Shorts ★

Did you know that :

*Air Force is considering adopting the MAC system of categorizing dormitory inspections?

*Air Force has relaxed certain restrictions on voluntary retirements? See your Consolidated Base Personnel Office (CBPO) for details.

*A revised Promotion Fitness Examination (PFE) Study Guide is being published and will be available not later than June 1, 1975?

*Temporary lodging quarters or TLQs can be used by TDY personnel when other base facilities are full or not available?

*Effective Oct. 1, 1975, to be eligible for promotion to sergeant,

an airman must have a 5-level Air Force Specialty Code on or before the first day of the month preceding the month in which the promotion will be effective?

*All persons, regardless of their eligibility for a PCS move, should have a current AF Form 392 on file? It's to your benefit.

*The Air Force has lifted all assignment restrictions based on race, religion, and ethnic background?

*Air Force has authorized commanders to conduct unannounced drug sweeps? The sweeps can consist of restricting access to and from base, inspection of dorms, vehicles, use of dogs, medical exams and increased urine testing.



AN APRIL RECORD was set at Ft. Rucker, AL, home of Detachment 9, 16th Weather Squadron. A 20-year record had been broken when the rain finally stopped falling. The previous 24-hour rainfall record was 4.48 inches, however on April 9th, 5.74 inches fell and on the 10th, 6.45 inches. By late afternoon on April 10, Ft. Rucker's "highways" had become "waterways." (U. S. Army photo)

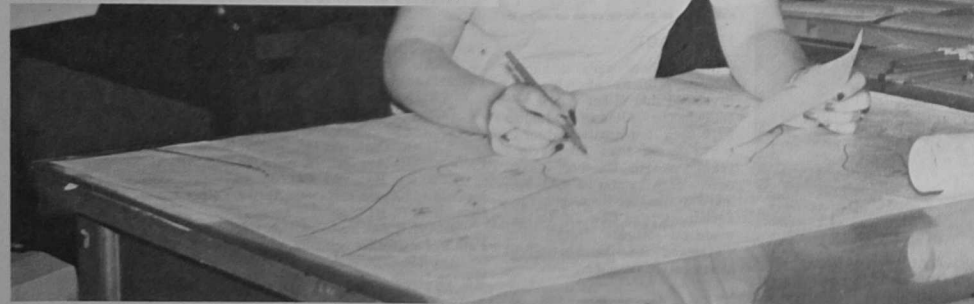
Weather careers get solid foundation at Air Force Global Weather Central



ACTUATING one of the control recorders on the master console is Sgt. Steven B. Thomson. In the background SSgt. Michael J. Rigney reads one of the tape recorders for the next satellite pass. They work in the Data Acquisition and Processing Branch of AFGWC.



COORDINATION is completed by SMSgt. James E. Blakley, left, as TSgt. Thomas B. Brame, Jr., analyzes a computer-produced surface chart. Sergeant Blakley is the terminal forecaster for circuits 47/48.



PLOTTING Asian severe weather occurrences is A1C Nancy S. Everett. Her product, when complete, is used by the Severe Weather Forecaster for MET Watch and Verification. Sgt. Roger A. Stevens, background, prepares his input to the Asian Severe Weather Chart of FAPA 21.

Although every officer and airman in the Air Weather Service has heard of the Air Force Global Weather Central (AFGWC) at Offutt AFB, NE, many have little direct contact with it. However, because AFGWC will influence his or her professional life, each AWS member could benefit from a tour of duty at AFGWC and lead to a rewarding career in military weather service.

Any person who would like an assignment as a synoptician concentrating on severe weather or terminal forecasts, as a programmer-systems analyst responsible for developing the computer software, or as a computer operator working with a large integrated computer system should come to AFGWC. The same applies to anyone wanting to be a scientist responsible for applying the latest technology to meteorological and space environmental problems or to be a specialist in acquiring, displaying and interpreting meteorological satellite data.

AFGWC has six major branches. They are:

Global Environmental Applications Branch (GF)

GF is the largest branch in AFGWC. It has more than 290 people authorized and would be most familiar to weathermen. In GF the forecasters and observers, using basic meteorological information from the computer, apply their skill and training to produce products tailored to specific customer needs.

Data Automation Branch (AD)

AD is the second largest branch and has two primary jobs. It manages and operates four UNIVAC 1108 and one UNIVAC 1110 computers and a variety of other computer-related equipment. It also maintains, modifies and improves all computer programs that are operational on the computer systems. It has more than 230 people authorized.

Data Acquisition and Processing Branch (AP)

AP is authorized approximately 55 people and acquires and displays environmental data from meteorological satellites. The data, stored on the satellite, are read out by two ground stations which relay the data to AFGWC for processing.

Special Projects Branch (SX)

SX provides environmental support to classified projects of the highest national priority. More than 60 people, observers and forecasters, are authorized. Needed skills are similar to those in other AFGWC work centers.

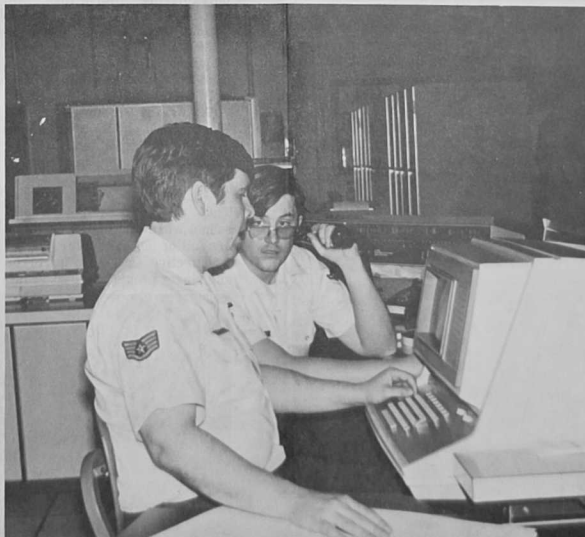
Studies and Analysis Branch (SA)

SA is a group of approximately 25 scientists and is AFGWC's investment in the AWS future. Simply stated, its mission is to develop techniques that will allow AFGWC to exploit the latest technological advances to meet the demands of customers. Its goal is to continuously improve AFGWC products and services.

Space Environmental Support Branch (SF)

SF is a small (22 people) but growing part of AFGWC. Its task is to observe the sun, the ionosphere and beyond, and to equate changes in that environment to impacts on a broad spectrum of communications, radar and satellite systems.

In summary, AFGWC is a large and complex organization with unlimited opportunity for the "weatherman" and other specialists who desire a challenging and rewarding job. It needs dedicated people; those who want to learn — and advance.



MONITORING the progress of AFGWC computer products are SSgt. Gary B. Wolley, left, and Ann Robert W. Jacobson. The monitoring is done by means of a master checklist which provides detailed instructions for running the computer programs. The men work in the Data Automation Branch using the operator's console. Equipment in the background includes a pagewriter, data communications terminal and inter-computer control units.



PREPARATION of the FXPH (Asian 36-hour forecast) and RXEH (Northern Hemisphere 36-hour forecast) is done by MSgt. Ronald C. Flagstad, left, Donald W. Messacar, center, and Capt. Thomas J. Andrew. When finished, both forecasts will be transmitted from the AFGWC to using stations. A Northern Hemisphere surface plot hangs behind Sergeant Flagstad.

LATEST Defense Meteorological Satellite Program (DMSP) photographs are examined by Capt. Robert L. Coman, left, and Capt. Jimmie Smith, of the Space Environmental Support Branch. They look for indications of auroral activity. Auroral activity indicates the level of disturbance in the near-earth environment and is an aid to the solar and ionospheric forecaster, who tailors support to many Department of Defense customers operating above the realm of conventional meteorology.

by Lt. Col. Kurt G. Blunck

U.S. Air Force photos



Maintenance shift broadens chances

Growth potential better in AFCS

by
Lt. Col. Dave Aitken

On July 1, Headquarters Air Force Communications Service is programmed to move from Richards-Gebaur AFB, MO, to Scott AFB, IL, and rejoin the Military Airlift Command.

With this consolidation, AFCS will gain the maintenance and maintenance management responsibilities for AWS ground meteorological equipment on Oct. 1.

The maintenance merger will align AWS maintenance technicians into the most efficient and economical structure possible, while remaining a separate career field.

Careers Enhanced

The joining of the AWS technician with AFCS will enhance his career field by placing him in a total maintenance environment. As members of a meteorological equipment work center of the local AFCS unit, our technicians will daily be exposed to members of other 30XX career fields — drawing from their experience and sharing ours.

Career broadening opportunities into other 30XX career fields then will be readily available.

The Air Force policy for assigning top-level management positions to senior people will open the door for AWS maintenance supervisors to career broaden by having the chance to work in other ground communications-electronics-meteorological, or CEM functions.

Potential Increased

Senior 302XO positions are being established at AFCS Areas and Headquarters. These increased opportunities for top management will increase the growth potential of AWS middle managers. The career opportunities for our 302XOs brought about by the merger are virtually unlimited.

Certain actions can be expected as a result of the merger. AFCS will take total responsibility for Chief of Maintenance (COM) activities as well as all maintenance done by AWS organizational maintenance (2680A) functions on T-day (Oct. 1).

The 302XO and 645XO faces and spaces at the time of the merger will move to local AFCS units. At locations where no AFCS unit exists, the 2680A function will work as an operating location (OL) and will be assigned to the nearest AFCS activity or will receive maintenance from an AFCS unit at a nearby Air Force installation. Army locations in Europe will be the only exceptions. They will be supported by three traveling maintenance teams from the

1945th Communications Group, Rhein-Main AB, Germany.

IMS Moves

AFCS also will be responsible for all AWS intermediate maintenance (2680A) functions. The Intermediate Maintenance Shops (IMS) will come under control of local AFCS Engineering and Installations (EI) as separate work centers. The IMS will pick up the EI function for installation relocation and removal of AWS equipment. AFCS will train E-6s and 7s in the 302XO career field to do this work.

At most locations where no EI activities exist but an AWS IMS function does, AFCS plans to eliminate or relocate the IMS functions and realign geographical areas of responsibilities to be compatible with Northern and Southern Communications Areas in the U. S. and the European Communications Area for our IMS there.

This will affect Detachment 6, 6th Weather Squadron, Ellsworth AFB, SD; Det. 3, 6WS, McGuire AFB, NJ; and Det. 51, 2WW, Wiesbaden AB, Germany, in the following way:

*Det. 6, 6WS, will deactivate. The equipment, mock-ups, etc., will move to Griffiss AFB, NY, and a centralized Intermediate Maintenance Facility for CEM equipment will be established as a work center under the local AFCS unit.

*Det. 3, 6WS, will deactivate and the IMS function will move to Rhein-Main AB as a combined work center with the AFCS Centralized Intermediate Maintenance Function under the 1945CG there.

*The 2680A functions now at Ellsworth, McGuire and Wiesbaden will remain in place, but the work, people and authorizations will move to the local AFCS units.

DMSP Changes Too

AWS maintenance responsibilities for the Defense Meteorological Satellite Program (DMSP) also will be transferred to AFCS. AFCS intends to manage these activities as a special project with two dedicated authorizations at AFCS Headquarters. AFCS also will establish a liaison officer at the DMSP Staff Project Office at the Space and Missile Systems Organization or SAMSO.

AWS with AFCS

Since AFCS has maintenance activities at most installations where AWS operates ground meteorological equipment, integration of AWS maintenance

AWS Salutes...

Medals, Resources Conservation (RECON) awards and dollars for a suggestion went to men of the 9th Weather Reconnaissance Wing, McClellan AFB, CA, recently. Capt. John W. Pavone received the Air Force Commendation Medal (AFCM) and the second oak leaf cluster (OLC) to the Air Medal (AM). Maj. Phillip M. Wilser and CMSgt. Ronald M. Anderson were presented RECON awards; SSgt. Martin R. Carr received \$25 for a suggestion.

MSgt. Andrew Tortora, MSgt. Redding Parker and TSgts. Raymond Windham and Raymundo Delatore all received the AFCM. For Sergeant Tortora, it was the 3OLC. The AM went to Capt. Bertrand J. Bauer. All are members of the 53WRS, Keesler AFB, MS.

Recent graduates of the Squadron Officers School, Maxwell AFB, AL, are: Capt. Glenn L. Moody, Roger W. Sorensen, Hayes A. Kiernan and Ronald D. Barrick, 53WRS, Keesler AFB, MS.

Major's leaves went to Clarence C. Drumeller on April 1. He is assigned to Hq. 2WW, Lindsey AS, Germany.

The 3rd Weather Wing Safety Trophy Award for 1974 recently was presented to Detachment 15, 24WS, Vance AFB, OK. The unit beat out 50 other units for the honor.

MSgt. William B. Kist Jr., received the Meritorious Service Medal (MSM) for service at Hq. 6WW, Andrews AFB, MD. He is now assigned to Hq. 2WW, and is at Wiesbaden, Germany.

At the 20WS, Yokota AB, Japan, TSgt. William V. Reed became 1WW's nominee for the MAC Outstanding Airman of the Year. TSgt. R.A.L. Smith became the 610MASS NCO of the Quarter.

Sgt. Daniel B. Adams Jr., Operating Location-B, Camp Zama, Japan, was distinguished graduate in his 22nd Air Force NCO Leadership School class, Norton AFB, CA.

A1C Ben Calli wed A1C Elsie E. Kelly on April 5 at Edwards AFB, CA. Mrs. Calli is a member of Det. 21, 12WS, Edwards AFB.

TSgt. Andrew J. Pirnik, Det. 14, 12WS, Richards-Gebaur AFB, MO, received \$25 for a suggestion.

A1C Jerry R. Coleman married Robyn Groves on March 7. Airman Coleman is a weather equipment repairman, Det. 5, 16WS, Ft. Knox, KY.

activities and functions into AFCS will allow turn in of 150 spaces. Most of the relinquished spaces will be in the 302XO career field.

Many remaining AWS senior 302XX and some 645XX spaces will join AFCS maintenance management functions at squadron, area and headquarters levels.

Slots Turned In

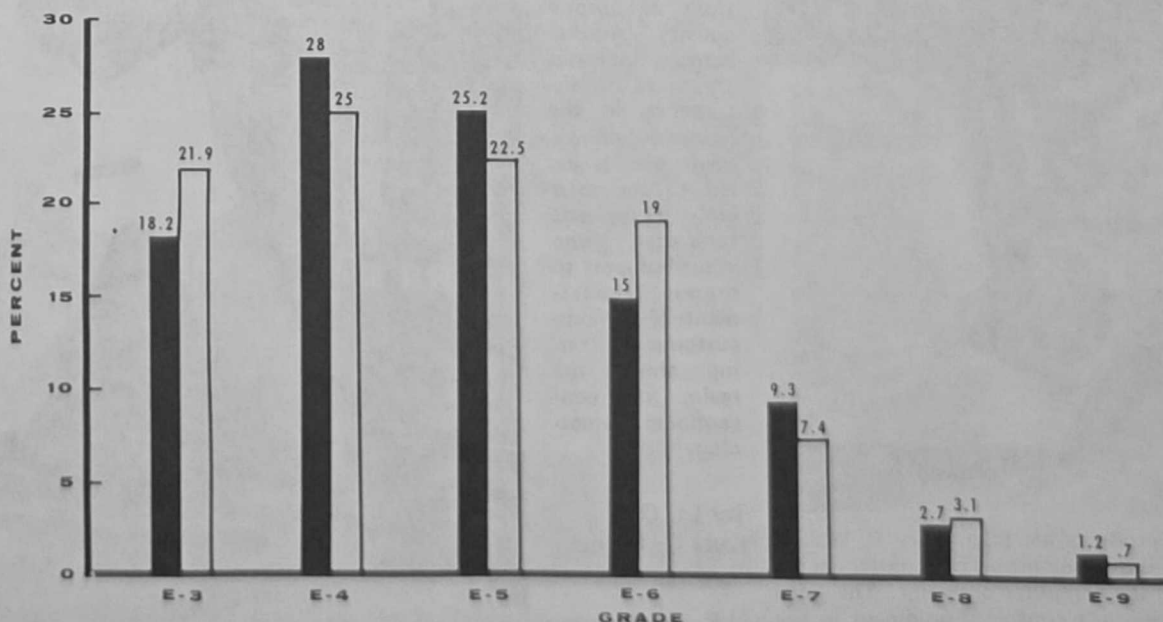
A breakout of the 150 spaces to be returned to Air Force is as follows: 21 officers, 15 supply managers, 13 civilian, and 101 maintenance technicians (302XOs). This consolidation reduces the current 302XO level from 868 to 767 total authorizations. (See chart, below.)

With some 45 to 50 302XO spaces

going to AFCS areas and the headquarters, the outlook is for a stable, viable 302XO career field.

Orderly Move

MAC, AFCS and AWS will continue to work to assure an orderly transfer of maintenance responsibilities while insuring no degradation in AWS operational capabilities and minimum disruption in personnel assignments.



This chart compares the 302XO grade structure with the total enlisted MAC grade structure. The light bar reflects the percentages of 302XO grades after the AFCS-AWS maintenance merger as compared to MAC today (Dark bar).

A lesson from history

By John F. Fuller
(AWS Historian)

It was 160 years ago this month that weather played a decisive role in the downfall of Napoleon Bonaparte — and made the word "Waterloo" synonymous with defeat.

The "Little Corporal," waited until June 1812 before attacking Russia with a half-million-man army. He felt logistics would be one of his biggest problems so he tried, unsuccessfully, to provide his own supplies — on the backs of 200,000 horses.

As anticipated, the Russian armies retreated and the race was on for the Russians to find a place to regroup and Napoleon to keep them from it.

At this point in time, weather entered the war. Summer heat, with the first 200 miles of Napoleon's advance, had taken almost one-third of his army.

Sir Winston S. Churchill later related that the Russian ambassador in London prophesied, "He (Napoleon) will end by being decimated by winter, which has always been our most faithful ally."

By mid-September a victorious Napoleon was in Moscow, but the hunger and exhaustion gripped his men and morale collapsed.

Napoleon was forced to retreat one month later, in October.

Snow, bitter cold and Czarist troops struck at France's "Grande Armee" until it was but 10,000 stragglers as it crossed out of Russia in December 1812.

Almost three years later, on June 17, 1815, Napoleon was still at Waterloo. This time he had England's Duke of Wellington on the run — and weather stopped him.

As the French Army waited 24 hours for a soggy ground to dry, the Duke of Wellington had prepared for battle and the crushing of Napoleon just south of a small Belgian farm village — Waterloo.

In his classic, *Les Misérables*, French author Victor Hugo wrote, "Had it not rained on the night of the 17th of June, 1815, the future of Europe would have been changed. A few drops of water more or less prostrated Napoleon . . . Providence needed only a little rain, and an unseasonable cloud crossing the sky sufficed for the overthrow of a world."

Napoleon himself allegedly said, "The military strategist who leaves weather calculations out of his plan can never be a marshal in the armies of France." Who would know better the importance of weather in war?



A WEATHER TEAM during World War I. Left to right, a slide rule operator to compute findings, a pilot-balloon releaser equipped with stop watch, balloon tracker, and a man with clipboard to record data. Men used every advantage, as shown in how the platform being used was built around a concrete pillar to provide a resting place for the tracker's equipment. (U.S. National Archives photo).

SEYMOUR JOHNSON AFB, NC — A Meteorological Technician position, GS-06, \$9,473, exists at Stumpy Point. Interested applicants should submit SF-171 to: Civilian Personnel Office/DPC, Seymour Johnson AFB, NC 27531. For additional information, call Auto Von 448-6121.

still severely injured

By

Maj. William T. Higham

VANCE AFB, OK — It was a beautiful spring day and the staff sergeant from Detachment 15, 24th Weather Squadron, was keeping his "hog" (motorcycle) well below the speed limit as he approached the intersection.

To his left he saw a pickup stopped so he glanced right to see if anything else was coming his way.

As his eyes came back to the front a look of disbelief came over his face; not many feet away the pickup was pulling into the intersection and there was no doubt in his mind that a wreck was but a split second away.

He thought, should I lay the bike down? Hit the brakes? Swerve away? —Then his reactions screamed, "Brake, BRAKE!"

It was too late.

The right front wheel of the truck, which was traveling no faster than five miles an hour or so, caught the cycle's front tire, viciously twisting the light machine sideways into the pickup. On impact the handlebar slammed into the truck's side — with the sergeant's wrist in between.

With every bone in his wrist shattered and protruding through the skin, the shocked rider crawled out of the street onto the lawn of his own insurance company, which was but feet away.

That evening the sergeant was operated on; today his doctor still says, "I don't know if he will ever have full use of his wrist and hand."

What went wrong? The motorcycle rider was traveling slowly, he was alert for trouble and he wore all of the required safety equipment — what went wrong?

Possibly it is as written in the Motorcycle Safety Foundation Handbook, "Almost 40 per cent of motorcycle accidents involving another vehicle occur at intersections. Motorists are at fault

in almost 70 per cent of these accidents. The primary error made by motorists in intersections is failure to yield the right of way to motorcyclists (89 per cent)."

Bike riders must accept that, regardless of their experience, training or the circumstance, they need to be more alert. It is a simple fact.

Motorists in automobiles, too, must be more alert. Their odds in an accident appear to be 2-to-1 better than the motorcyclist — so watch out for the two-wheeler. With the snows gone it is time to double up on this type of safety because the cycles have doubled up in number now.

Korean, U.S. units receive AWS awards

OSAN AB, KOREA — Two weather detachments here recently won awards; one was American and the other Korean. The awards were presented by Brig. Gen. John W. Collens III, Air Weather Service commander.

Detachment 55, 735th Weather Squadron, Republic of Korea Air Force, received the 1974 Upper Air Achievement Award (UACA). It was accepted by the unit's Commander, Lt. Col. Lee Yong Bong. It was the unit's third time to earn the award.

Detachment 15, 20th Weather Squadron, received recognition as runner-up for the Outstanding Forecast Unit Award. The award was accepted by Lt. Col. Harold Jones, commander. The Forecast Unit Award is based on month forecast accuracy. Competing for the award are weather units throughout Korea, Japan, Okinawa, Hawaii and the Republic of the Philippines.

DOT



ON
SPOT-
LIGHT

HEADQUARTERS
AWS

by
Capt.
Tom W.
Utey

As Air Weather Service enters an era of new and rapidly expanding technology, training is critical. AWS relies on its Directorate of Training (DOT) to insure maximum professional capability and the ultimate in system efficiency and life span.

Though DOT is the smallest directorate in DCS/Operations (six positions), in one way or another it touches all of AWS. It is managed by William Jenner, a GS-14 and a WWII AWS captain. In 1949 he joined the AWS training team and became its director in 1958.

From the beginning, training plays a major role in each person's career, and one of DOT's main functions is personnel training.

For officers, DOT helps the Air Force Institute of Technology and the Military Personnel Center select the universities and curriculum changes beneficial to military meteorologists. For persons going to graduate school, DOT helps put the right man or woman in the right school. Next, it helps but persons with advanced meteorological degrees in positions that make maximum use of their educations.

DOT is also the focal point for AWS enlisted training. Once an enlisted man or woman graduates from a basic course and is assigned to AWS, his career is affected by DOT, which manages more than 1,500 individual military school quotas each year. This includes establishing priorities, allocating quotas, reviewing applications and making final selections.

DOT is AWS' point of contact with the USAF School of Applied Sciences at Chanute AFB, IL. It also works with the Air Training Command course monitors at Chanute and at Randolph AFB, TX, to insure student flow and that course material is adequate and relevant.

Presently, DOT is busy with the implementation of the single weather career ladder. More than 800 careers soon will be affected by this change and it is our job to see that all can get the required formal training before the 1981 change over deadline.

DOT also assures adequate training on new AWS systems. It plans with the ATC and Electronic Systems Division to procure factory and follow-on training. Part of this includes identifying the correct number and Air Force Specialty Code of persons to train.

Next, it notifies individuals of training dates and locations, then provides funds and reporting instructions.

Recent new systems requiring training support are the Airborne Weather Reconnaissance Systems or AWRS and the Solar Optical Observation Network, SOON.

DOT supervises training for the Air National Guard (ANG) weather flight program, to include writing directives for their training and coordinating with MAC and the National Guard Bureau to make Air Force directives applicable to the Guard.

In relation to the ANG, DOT makes recommendations to MAC pertaining to ANG advisors. Presently there are 39 ANG weather flights and one ANG weather Squadron in the 50 states. DOT periodically visits these units.

To administer on-the-job training and general military training for AWS, DOT monitors and updates the AWSP 123-2, reviews Inspector General reports pertaining to OJT and GMT, and the contents of AWS career development courses, specialty, training standards and skill knowledge tests.

It is DOT which writes or edits all AWS 50-series regulations and manuals.

SPORTS FRONT



Pair wins European ski medals

GARMISCH, GERMANY — Medals went to two weathermen following the 1975 Continental Sports Conference (CSC) Ski Championships held here recently. The men were Sgt. Katsuhika Kenmochi, an observer at Detachment 11, 31st Weather Squadron, and Capt. Felix Quinn of Detachment 21, 2nd Weather Wing.

The Spangdahlem AB sergeant, known as Ken to friends, organized and coached his base's team. He walked away with two seconds, a third and a fifth place as his team went on to take second.

Ken placed second in the Alpine Combined and Cross Country events, third in Down Hill and fifth in the Giant Slalom. He later was awarded second in the individual CSC Championship.

Captain Quinn, of Kindsbach, a member of the Ramstein AB team, competed in the Seniors Division for men over 32 years of age where he won second place in Down Hill and fifth in the Alpine Combined and the Giant Slalom events. The Ramstein team placed fifth.

74 compete in golfing roundup

SCOTT AFB, IL — Headquarters Air Weather Service recently hosted what one participant termed, "... the most successful golf roundup in many years."

Seventy-four persons from the headquarters, 15th Weather Squadron, Military Airlift Command Management Engineering Team, and the Environmental Technical Applications Center unit here took part.

Day-end honors went to: low net score: Maj. John Upchurch (62), Lt. Col. Jack Kimball (64), Capt. John Peschier (64), Lt. Col. Bill Hall (65), Maj. Barry Granlund (66) and Capt. Art Livingston (66).

Low gross score honors went to: Lt. Col. Hal Selfridge (73), Maj. Ron Marck (80) and Walt Alex (83).

Individual honors went to Lt. Col. Earl Snyder for "closest to the pin on the 17th hole" and TSgt. George Beckwith for "longest drive on the 18th hole."

Two meets, two wins for 20th

YOKOTA AB, JAPAN — According to Capt. James W. Pero, 20th Weather Squadron here, his unit tangled with Japanese teams in two different sports — and won both times.

The unit's first win came when its golf team met the Japan Meteorological Agency team at

the Tama Hills Golf Club.

Next, the 20th's bowlers outrolled the Japan Air Self Defense Force during a semiannual bowling tourney at the Yokota AB lanes. During the meet Bob Kulpa took high series with 554 and Dave Clark claimed high game with a 212.

Close counts for 'High game'

1	2	3	4	5	6	7	8	9	10
9	9	9	9	9	9	9	9	9	9
19	39	69	99	129	159	189	219	249	279

HICKAM AFB, HI — The linescore shown above did for Steve Hirjak of Detachment 4, 1st Weather Wing, what three bars rolling up on a slot machine does for a gambler — made him come alive when it became the high point of his bowling career.

Steve, who is a 169 bowler in Hickam AFB's Rainbow Intramural League, rolled a scratch 279 and picked up the lone remaining individual award given by the league. He won the High Game Scratch Award.

Steve was aced out of the High Game with Handicap Award by another member of Det. 4, Bill Heath, who earlier in the season muscled a 290 with handicap.

Several racing firsts

Move forces captain to surrender winning sloop

HICKAM AFB, HI — "It just won't work off the shores of Offutt AFB, NE" were the words of Capt. Greg Ventura, 1st Weather Wing, and winner of 15 boat racing awards over the last two years here. Captain Ventura spoke of his 26-foot sloop, "Reata."

Although he had only been on sailing vessels three times before buying the "Reata" in 1972, after a few lessons from a friend he entered his first race — and lost.

Race followed race and the undaunted "sailor" kept gaining experience; sometimes the hard way. "It got expensive," he said. "There was so much equipment damaged or lost overboard — I can't tell you how much."

Finally he won the 1973 Hickam Harbor July 4th Invitational. After that his confidence grew along with his list of wins. The highlight of his boating came when his season's racing points were judged lowest, which in boat racing is good. Points count against the owner and racer. The low judgement gave him official recognition by the Hawaii Yacht Racing Association.

Captain Ventura leaves Hawaii next month for an assignment at Offutt AFB, NE, where he feels his 26-foot craft will not fit in. In the meantime, he is lined up for the Duke Kahanamoku, La Marine, and Kaneohe Invitational races — and several other events.



FULL SAIL AND CALM SEAS, for three years, were the off-duty life of Capt. Greg Ventura of 1st Weather Wing, Hickam AFB, HI. Off the shore of Waikiki his sloop, the "Reata" or "The rope that encircles" moves along strongly in a good breeze. (U. S. Air Force photo by Det. 3, 1369 Photo Sq.)

WRS team tops league

KEESLER AFB, MS — The 53rd Weather Reconnaissance Squadron's A-team here recently swept the Pioneer Bowling League Championship into their pocket. It now enters the base rollofs.

Team members include Capt. Richard Henningsen and Roger Sorensen, 1st Lts. Donald Klein, Robert Weiss and Gregory Wooten, and SSgt. Harald Davis.

After three years

Team breaks losing streak

HOMESTEAD AFB, FL — A hit by Joe Mrozek and a wild throw gave Detachment 6, 3rd Weather Squadron here its first softball win in three years of intramural play.

The detachment was down 5-0 in the second inning, but pulled to 5-4 in the bottom of the final. As the weathermen came to bat Barry

LeBlanc singled, then Walter Zemialkowski singled. One out later Mrozek hit to the third baseman who burned to first for an out — as LeBlanc came in.

The first baseman of the opposition tossed wild to home — and the score tilted.

Langley golfers battle links, weather

LANGLEY AFB, VA — Despite rain, 48 dedicated golfers completed nine holes of the 5th Weather Wing's Semiannual International Invitational Golf Tournament here recently.

Winner of the "green jacket" awards was Loren Lorenzen for a 9-hole total of 37. Since winners may take home only one award, other winners were Bill Dean for low net (Also 37) and Tom Cusack for fewest putts (13).

Tom Cecil had the most "9s" (4), Bill Capshaw was "closest to the hole" on the par-3 ninth hole (18 inches), and Pete Plantholt took longest drive.

Team honors for low net went to

Jack Brown, Bill Wright, Harold Banks and Dick Nummi. Bill Wright received special recognition for having hit a pigeon in flight with his ball. Two teams tied for low gross: Dick Brett, Jerry Roylance, John Tasetano, Roy Nygaard, Gene Wiggins, Jack

Kelly, Chuck Diaz and Bill Dean. Special awards went to Sue Smith and Anette Renn for providing what Jack W. Brown termed, "the only sunshine on the wet afternoon;" Sue and Anette provided refreshments on the links.

Ken Newell bowls perfect game

GALENA APRT, AK — The "perfect game" recently was rolled by SSgt. Kenneth V. Newell, maintenance NCCIC, Operating Location D, 11th Weather Squadron here. He rolled the 300 game during a no-tap tournament.

When asked if he was nervous before his last roll, he said, "Nah. I wasn't nervous — but I did have a problem finding the holes in my ball." The same evening he rolled two other scores of 213 and 221 for a 734 series.