



SHAKING HANDS WITH HIS COMMANDER, Brig. Gen. William H. Best, is NCO Academy Distinguished Graduate TSgt. Thomas M. Christoffer.

The other 11 graduates representing Air Weather Service look on.

(U.S. Air Force Photo)

Academic honors go to AWS NCO

SCOTT AFB, Ill. — TSgt. Thomas M. Christoffer, a forecaster for Detachment 5, 17th Weather Squadron, McChord AFB, Wash., is a Distinguished Graduate in the most recent graduating class at the NCO Academy, Norton AFB, Calif. Ranking in the top 10 per cent of his class, Sergeant Christoffer led 11 other NCOs representing Air Weather Service.

Other AWS personnel graduating in Class 71-7 are: MSgt. Duane L. Dillon, 56th Weather Reconnaissance Squadron, Norton AFB, Calif.; MSgt. Eugene M. Weber, Det. 7, 17th WSq., Kelly AFB, Tex; MSgt. George Yonish, Det. 3, 9th WSq., Fairchild AFB, Wash; TSgt. Raymond R. Kowrach, Det. 8, 21st WSq., Aviano AB, Italy; TSgt. Derrell W. Martin, 20th WSq., Fuchu AS, Japan; TSgt. Donald O. Noehre, Det. 19, 15th WSq., Lajes Field, Azores; TSgt. Donald W. Tyree, 5th WWg., Seymour Johnson AFB, N.C.; TSgt. Lewis E. Wells, Det. 10, 4th WWg., Kinchloe AFB, Mich; SSgt. Joseph J. Dehler, Det. 11, 6th WWg., Patrick AFB, Fla; SSgt. Billy D. Longgear, Det. 9, 15th WSq., Maxwell AFB, Ala; and SSgt. Billy Parks, 56th WRSq., Yokota AB, Japan.

Brig. Gen. William H. Best Jr., AWS commander, was guest speaker at commencement exercises. The 134 NCO Academy graduates in this class bring the alumni count to 14,405.

Dr. Robert D. Fletcher named chief scientist

SCOTT AFB, Ill. — Gen. Jack J. Catton, commander of the Military Airlift Command (MAC), announced the appointment of Dr. Robert D. Fletcher, as chief scientist of Air Weather Service.

As chief scientist, Dr. Fletcher becomes principal scientific advisor to Brig. Gen. William H. Best Jr., AWS commander. His duties will include providing advice and recommendations on scientific and technical support problems related to weather service and the application of earth and space sciences to military operations. He will also serve as the AWS commander's representative to various national and international scientific groups.

According to the announcement, Dr. Fletcher's appointment to the new post reflects an increased need for technical advice resulting from the expanded scope of AWS interests in recent years.

Dr. Fletcher has been AWS deputy chief of staff for aerospace sciences since 1952. He will continue to serve in that capacity also until a successor is named.

His professional career dates to the mid-1930's and comprises experience as a working meteorologist, researcher, instructor and consultant in private industry, education and the Federal government, including the Weather Bureau and Air Force.

He was first associated with AWS during World War II as a technical consultant in the U.S.

and the China-Burma theater and as an instructor in tropical weather at Howard Field, Canal Zone. He became an AWS technical consultant for the second time in 1950 and succeeded Dr. Sverre Pettersen as director of scientific service (now deputy chief of staff for aerospace sciences) in October 1952.

Then Air Force Secretary Eugene M. Zuckert presented him



Dr. Fletcher

the Decoration for Exceptional Civilian Service in 1962. In 1969, he was awarded the 1968 Losey Award of the American Institute of Aeronautics and Astronautics for 30 years of outstanding service to aeronautical meteorology.

In 1970, the American Meteorological Society presented him its

(cont. on pg. 6, col. 3)



In the Nation's Service

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April 1971

New assignments announced, Col. Aldrich to depart AWS

SCOTT AFB, Ill.—Col. Thomas A. Aldrich, AWS vice commander, a brigadier-general selectee, is among 13 AWS senior officers recently named for reassignment by the Military Airlift Command.

Colonel Aldrich will leave AWS June 1 to assume command of MAC's 1605th Air Base Wing, Lajes Field, Azores. In his new assignment the veteran weatherman will serve as the Air Force Chief of Staff's representative to the Portuguese government in the Azores.

Returning to AWS to succeed Colonel Aldrich as vice commander is Col. John W. Collens III, present director of studies and analysis, Hq. MAC.

Col. Hubert E. Harvey, commander of the 1st Weather Wing, Hickam AFB, Hawaii, will become inspector general, Hq. AWS at Scott AFB, Ill. To succeed him as commander is Col. Morris H. Newhouse, AWS deputy chief of staff, plans.

Col. Leonard E. Zapinski, assistant deputy chief of staff, operations, will succeed Colonel Newhouse.

Col. Hal R. Montague, present inspector general of AWS, will become director of administrative sciences, Hq. MAC.

Col. William E. Cummins, director of operational requirements will succeed Colonel Zapinski.

Col. Boyce M. Smith from 1st WWg.'s Operating Location B, Taipei AS, Taiwan, will become vice commander of the 1st Weather Group, Tan Son Nhut AB, Vietnam.

Col. Douglas L. Campbell, commander of the 58th Weather Reconnaissance Squadron, Kirtland AFB, N. M., will become commander of the 54th WRSq., Andersen AFB, Guam in August.

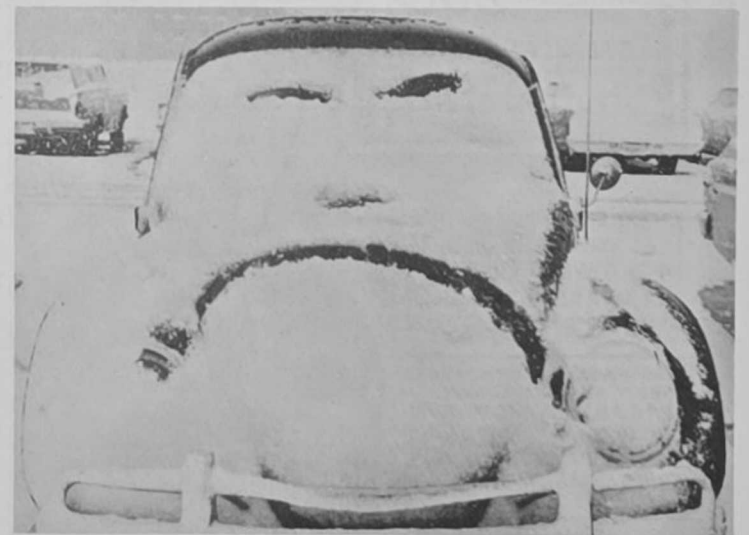
Col. Click D. Smith Jr., from the Naval War College, will succeed Colonel Campbell.

Col. David W. Saxton, from the operations office, Air Force Global Weather Central, Offutt AFB, Neb., will become chief of operations, 1st WWg., Hickam AFB in July. To succeed him is

Col. Newton R. Galligar, commander of the 28th Weather Squadron, Northolt RAF, England.

Col. Paul H. Fisher, chief of operations, 4th WWg., Ent AFB, Colo., will become professor of aerospace studies at the University of Massachusetts, Amhurst.

The commander of 26th WSq., Barksdale AFB, La., Col. John C. Ball, will become deputy inspector general, Hq. AWS. Col. Gordon W. Schmal will succeed him as 26th WSq. commander in July.



'S NO KIDDING! With the help of a capricious cameraman, this Scott AFB car seemed resigned this morning to the fact that the base was well on its way to a record April snowfall. The previous record of 1.1 inches for the month, set in 1951, was surpassed by mid-morning. When the snowfall ended, 13 inches had accumulated at the base. Total snowfall at Scott to date this winter had been only 1.2 inches, some 13.8 inches below the seasonal average according to the Air Weather Service's Detachment 21, 15th Weather Squadron.

(U.S. Air Force Photo)

Maintenance men to lose benefits

SCOTT AFB, Ill. — A phase out of pro pay for maintenance personnel with an AFSC of 30250/70/91 and a reduction in the variable reenlistment bonus (VRB) from V-4 to V-2 for AFSC 30250/70 were recently announced by Air Force. Both actions are effective beginning July 1.

Pro pay will be reduced by one third July 1 and thereafter by one third each year until pro pay is zeroed out.

Certain categories of airmen,

however, such as first termers or other eligible airmen with normal date of separation prior to June 30, may be eligible to receive these cash awards under certain circumstances. For specific information airmen are encouraged to contact their CBPOs.

Air Weather Service is taking immediate action to persuade Air Force to reconsider restoring these pay provisions to their original levels. Weather equipment maintenance men will be told of the outcome as soon as possible.

Veteran WAF chief observer nears top



FINDING THE TELEPHONE USEFUL, is SMSgt. Alice L. Hill, chief observer for the 17th Weather Squadron at Travis AFB, Calif. Sergeant Hill, whose 22 years in the Air Force has been with weather, often conducts business with the squadron's eight detachments. (Photo by 2nd Lt. Milt Capps)

Two AWS wings merit recognition

SCOTT AFB, Ill. — The AWS Accident Prevention Council has selected the 6th Weather Wing and the 7th WWg. for special safety awards.

The 6th WWg. was chosen for an AWS Missile Safety Award as a result of their outstanding management of the Air Force Environmental Rocket Sounding System from 1962-1970. The wing is single manager of this system which launches rocketsondes throughout the world. During the entire period for which the award was given, this system has had a perfect safety record. No personnel injuries have resulted from

the operation of these rockets.

The 7th WWg. was selected for an AWS Ground Safety Award as a result of its military drivers' outstanding safety record in operating USAF motor vehicles. The wing's units have driven over 1.5 million miles from 1968 through 1970 without causing a single accident.

This accomplishment is especially noteworthy since these units operate USAF vehicles throughout the entire United States and encounter the hazards associated with each part of the country during all seasons of the year.

CMSgt. of 3rd Wing

CMSGT

HOWARD M. BOCK

3RD WEATHER WING
OFFUTT AFB, NEB.



ENTERED THE AIR FORCE IN 1951 WHEN HIS UNIT, THE 142nd WEATHER FLIGHT, DELAWARE AIR NATIONAL GUARD, WAS FEDERALIZED.

HIS ENTIRE CAREER HAS BEEN WITH WEATHER. GRADUATED FROM BOTH THE INTERMEDIATE AND ADVANCED METEOROLOGY COURSES AT CHANUTE AFB, ILL.

ACTIVE IN CHURCH, SCOUTING AND COMMUNITY ACTIVITIES.

THANK YOU GENERAL

"THAT MAKES ME BUMP ON YOU BOCK THERE'S NOTHING LIKE PLAYING WITH A MAN WITH BRAINS!"

A GRADUATE OF THE FIRST EXECUTIVE LEVEL CLASS, MAC NCO ACADEMY, IN JUNE 1970.

SCT. BOCK LIVES WITH HIS WIFE PATRICIA AND THEIR FOUR CHILDREN: ERIC, 17, ANITA, 13, GLEN, 4, AND KAREN, 1 AT OFFUTT, AFB, NEB.

BY THOMAS M. BOLKOVAC

by 2nd Lt. Milt Capps
7th Weather Wing

"Nobody pampered me," she said firmly, though not braggingly — for she never wanted, never expected to be pampered in the Air Force.

After 22 years as a woman in the Air Force, SMSgt. Alice L. Hill, the chief observer for 17th Weather Squadron at Travis AFB, Calif., looks back on the years since 1949.

"Things," she says, "were different then . . . not too open race-wise. I wanted to do something different."

Today, she monitors the observing program, keeps an eye on general military training, on-the-job training and maintenance quality control for the squadron and its eight detachments.

She will soon sew on her eighth stripe, becoming one of the rare breed of chief master sergeants.

At weather observation sites sprinkled about the globe Sergeant Hill has used equipment from this age of electrified meteorology to squeeze data from the very atmosphere.

Equipment and procedures change continuously.

For example, years ago when fog threatened takeoffs and landings, visibility was determined by counting the number of runway lights visible along the runway.

Now a "transmissometer" uses a sender, a receiver and a beam of light — much like an "electric eye" — to determine the visibility over the runway.

Perhaps today's observers' tasks are more "mechanical," muses the veteran sergeant. "Sitting back and looking at dials" in order to relay data to a forecaster for analysis requires constant effort for alertness.

Sergeant Hill's thousands of weather observations have resulted in analysis which eventually affect flight planning for the aircraft her units have supported.

Authority speaks when she says, "There's no such thing in weather operations as a division of 'forecaster,' 'observer' and 'maintenance' — they must work together!"

"As the equipment and people go, so goes the mission," she concludes.

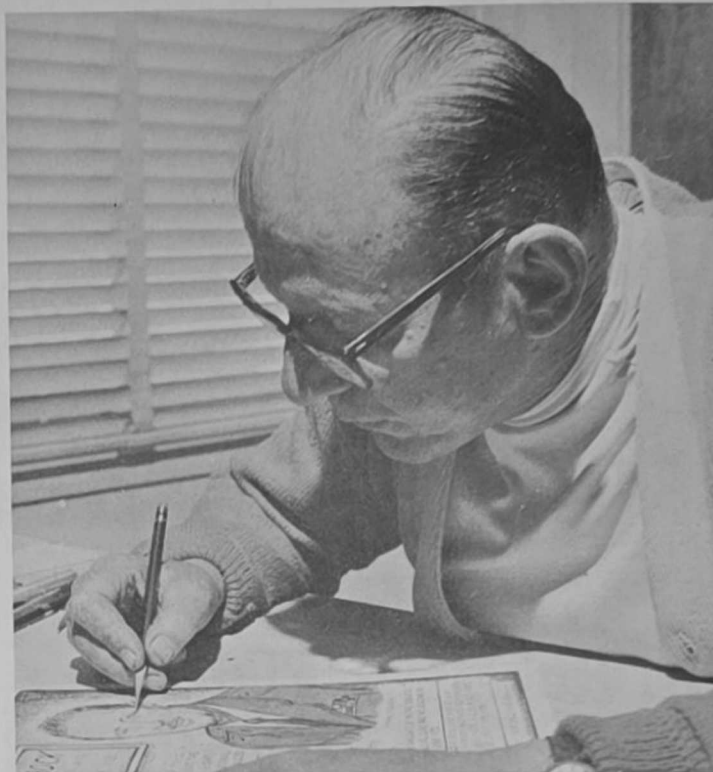
McClellan NCO loves to reenlist

McCLELLAN AFB, Calif. — SSgt. Carlos J. Davis, 9th Weather Reconnaissance Wing, has put a lot of "heart" into his last two re-enlistment ceremonies and plans to continue doing so in the future.

The chief of career control for the wing personnel office, was re-enlisted for his third term on Valentine's Day, being sworn in by WAF Capt. Michele D. Plaudis, wing information officer.

The symbolic tradition of WAF and Valentine's Day for the ceremony began in Spain in 1967. On Valentine's Day of that year (He joined the Air Force on Valentine's Day, 1963), he was enlisted for his second term by a WAF Captain at Moron AB, Spain.

"I hadn't planned on being re-enlisted by a WAF that first time, Sgt. Davis noted, but she was the only officer there that day." Now, it only seems right that Valentine's Day and lady officers go together for Davis.



DRAWING THE PORTRAIT OF CMSgt. Howard M. Bock, sergeant major of 3rd Weather Wing, which appears in this month's Observer, is Thomas M. Bolkovac, assistant chief of AWS Graphics Division. To date, Bolkovac has drawn 100 profile sketches for the command newspaper. (U.S. Air Force Photo)

Man behind scene makes it possible

SCOTT AFB, Ill. — Ever wonder who's the man behind the scene responsible for the profile sketches run each month in the Observer? The man behind the illustrations is Thomas M. Bolkovac, assistant chief of the AWS Graphics Division.

To date — including the drawing of CMSgt. Howard M. Bock, sergeant major of the 3rd Weather Wing appearing in this issue of the command newspaper — Bolkovac has produced 100 illustrations. His artistry has appeared in every issue of the Observer since January 1964.

Each drawing takes approximately two days to complete. Working from photographs and biographical sketches provided by AWS units, Bolkovac works with charcoal and ink to produce the

life-like portraits.

A native of Export, Penn., Bolkovac has been with AWS for 20 years. He studied advertising art after graduation from high school and served in the U.S. Army from 1941-47. During World War II he served in the South Pacific.

After the war, he became a graphics specialist with the Army Engineer School, Ft. Belvoir, Va. Later, he left the government and studied for five years at the Columbia Technical School and the National Art School, Wash. D. C., where he was taught fine arts, commercial illustration and advertising arts. A short time later he joined AWS as a draftsman.

Many of Bolkovac's art achievements were accomplished on a volunteer basis.



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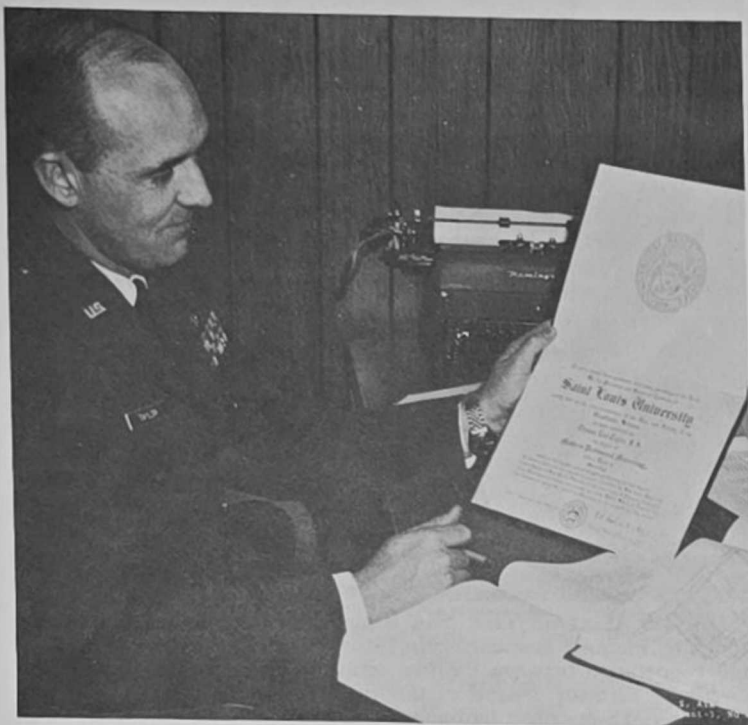
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BRIG. GEN. WILLIAM H. BEST Jr.
Commander, Air Weather Service

LT. COL. WILLIAM H. QUELCH Jr., Director of Information

MSGT. JAMES ROZANSKI, Managing Editor

A1C DENNIS KEANE, Editor



PROUDLY SHOWING HIS CERTIFICATE of Master in Professional Meteorology is Capt. Thomas E. Taylor, an environmental consultant with the 6th Weather Wing. Captain Taylor is the first to receive the master's degree in this field from St. Louis University. (U.S. Air Force Photo)

6th Wing environmentalist receives advanced degree

ANDREWS AFB, Md.—During January, St. Louis University expanded its masters degree graduate program to include a new category entitled master of science in professional meteorology.

Capt. Thomas E. Taylor, an environmental consultant with the 6th Weather Wing, was the first recipient of the new masters degree. He completed the requirements for the M.S. degree in June, 1970, under an Air Force Institute of Technology assignment at St. Louis University. He received his diploma in February.

Captain Taylor specialized in the study of micro-meteorology. This is the study of environmental factors such as winds, temperatures, pressure, moisture, etc., on a small scale. This is opposed to macro-meteorology, which looks

at weather on a large area basis such as region-wide, U.S.-wide. Micro-meteorology is especially important in the study of air pollution.

It is used in determining particle dispersion in a polluting situation. Now that Air Force is dramatically involved with ecological improvement, Capt. Taylor's expertise will be sorely needed.

Two tours in SEA supporting Army operations as well as Air Force Commando activities preceded his assignment to St. Louis University. Capt. Taylor wears the paratrooper insignia and is fully jump-qualified.

With his new degree, Taylor hopes that he can be on the front lines of the newest active war—the one to save our environment.

Cold fog is topic at annual meeting

WIESBADEN AB, Germany—The third annual symposium on weather modification activities in Europe was held recently at the Mainz Hilton Hotel at Mainz, Germany. The meeting was sponsored by the Rhein/Main Wiesbaden Chapter of the American Meteorological Society (AMS).

The topic, "weather modification," was presented at the request of Dr. Erich Sussenberger, President of the National German Weather Service.

Main speaker was Maj. Billy Moore, technical services officer of the 31st Weather Squadron and Chairman of the Rheinland-Pfalz chapter of AMS.

He presented a summary of cold fog modification activities, both airborne techniques with dry ice seeding and ground systems using liquid propane, that have been used for the past three years in Europe.

Included in the briefings were

"before" and "after" slides, correlations between seeding rates and transmissometer traces and airborne views of glaciated lanes produced by seeding. The interest in weather modification is extremely high with European weathermen. An active discussion period followed the formal presentation.

Others attending were: Mr. Lenssen, Director, Electric Power Plant of Rheinland and Westphalia at Essen; Oberbaurst Zimmer of the State Chancellery of Land Government Rhineland/Palatinate; Frau Dr. Weiss of the German Geophysical Office at Wahn; Capt. Van Issum and MSgt. Zuber, Hq. IV Military District Council at Mainz; Dr. Dreyling of Lufthansa; Mr. Sanders from the German Geophysical School of Meteorology at Furstenfeldbrueck; Dr. Brinkman from the German Weather Bureau at Offenbach.

Castle observer and fiancée come to aid of elderly recluse

CASTLE AFB, Calif.—Because someone cared, a life was saved. After reading in the local newspaper about an elderly gentleman (88 years old), who was living a hermit-like existence in an isolated cabin about 30 miles from Castle AFB, A1C Daniel Mamula, a weather observer with Detachment 1, 26th Weather Squadron, became concerned about his welfare.

Airman Mamula and his fiancée Carol Jacobson both agreed they should visit Mr. Pedro (Pete) Arada, and see if there was something they could do to help. Miss Jacobson knitted a long scarf and Mamula purchased some items to deliver to Mr. Arada.

Because of the remoteness of the area, they rented a boat and traveled 14 miles across Lake McClure to reach the isolated cabin. When they arrived they heard groaning sounds deep in the brush to the left of where they had landed. Fearing that it might have been a wounded wild animal, Mamula left his fiancée in the boat and set off on foot to investigate.

After searching the dense underbrush, he found Mr. Arada lying on the ground moaning for water. Mamula then returned to the boat and informed his fiancée about what he had found and had her bring some soft drinks to the famished and helpless hermit.

As he was drinking the soft drink, Mr. Arada told the couple that he had had no food or water for the past five days, and asked them to take him to his cabin.

"I knew that he was 88 years old, blind with cataracts, and partially deaf," said Airman Mamula. "However, I wasn't aware that he didn't have the use of his legs. They just wouldn't straighten out."

Because he was shivering I covered him up and checked for broken bones. I didn't find anything broken so my fiancée and I began to rub his legs to restore circulation. Eventually the trembling stopped, and his legs which were tightly bent at the knees began to relax, although still far from straight."

Because he couldn't walk, Airman Mamula decided to carry Arada to his cabin. The going was tough because of low shrub trees, dense brush with the steep angle of the hill. After slipping and stumbling along the wet muddy rocks he came to a flat area and made him as warm and comfortable as possible.

In the meantime, Carol dashed to the river and flagged down a family of fishermen on the lake and explained the problem. Two of the men assisted Mamula and together they got the old gentleman to the cabin site.

"The cabin entrance was so narrow, I decided to leave Mr. Arada outside," remarked Mamula when he recounted his experiences during the rescue. "I spread several blankets on the ground and built a large fire to warm Pete up. I heated some beef broth I found in the cabin and spoon fed him. He immediately went to sleep."

While Mamula was taking care of Mr. Arada, the fishermen notified the local Forest Service Ranger who arrived about forty minutes later by boat.

"The fisherman and I carried Pete down to the boat and loaded him on a stretcher. An ambulance was scheduled to meet the Ranger at the dock. After putting out the fire and securing the area, Carol and I followed the Ranger's boat back in our own. Pete was later transferred to the ambulance and taken to a hospital."

Pete was well known to the

Ranger. He told Airman Mamula that he used to have a nice house, vineyards, orchards, and a herd of goats. Then a local irrigation project raised the level of the lake forcing the old man to relocate twice within recent years.

Progress may have its benefits, yet, the love of nature, the quest for a peaceful and quiet existence, can sometimes be costly. In this case, it almost cost a life, if it weren't for an airman and his fiancée who cared about someone society and progress had forgotten.

Assignment list out for June

SCOTT AFB, Ill.—AWS officials have selected 70 enlisted men for June 1971 overseas assignments. Those identified are listed below.

CMSgt. Ernest E. Fisher	Ryukyu Islands
CMSgt. Emidie J. Mazzella	Germany
SMSgt. Alvie L. Hill	Ryukyu Islands
SMSgt. Paul Kubovich	Panama
SMSgt. Joseph G. H. LaPointe	Panama
MSgt. Olin F. Byrant	Vietnam
MSgt. Walter S. Kuster Jr.	Greece
TSgt. William S. Baltzell	Alaska
TSgt. Charles V. Denius Jr.	Vietnam
TSgt. Joseph P. Kerwin	Japan
TSgt. James P. Lee Jr.	Korea
TSgt. Geroge Montgomery	Vietnam
TSgt. Simon C. Palmieri	Taiwan
TSgt. Roger A. Poppert	Guam
TSgt. Donald F. Smith	Vietnam
TSgt. Larry J. Swaney	Vietnam
TSgt. Carl C. Taylor Jr.	Germany
TSgt. Lee B. Weiher	Thailand
TSgt. John L. Williams	Vietnam
TSgt. Roy J. Worstell	Thailand
SSgt. George H. Burroughs Jr.	Vietnam
SSgt. Charles A. Crisp	Greenland
SSgt. Alfred E. Hand	Germany
SSgt. Dale E. Lyles	Greenland
SSgt. Alfred E. Mayo Jr.	Italy
SSgt. Paul L. Noll	Vietnam
SSgt. Robert L. Orchoski	Panama
SSgt. Jackie R. Overcash	Germany
SSgt. Horace R. Rowe	Korea
SSgt. Joseph H. Runyon	Vietnam
SSgt. William J. Stoddard	Germany
SSgt. K. B. Vanalstyno Jr.	Thailand
SSgt. Robert W. Voll	Taiwan
Sgt. Dean W. Buckley	Guam
Sgt. Michael M. Deseure	Germany
Sgt. Dennis J. Dougherty	Philippines
Sgt. Randall D. Finch	England
Sgt. James T. Finn	Germany
Sgt. Lance L. Hargitt	Vietnam
Sgt. Larry N. Knutson	Panama
Sgt. Ronald L. Lebeuf	Germany
Sgt. Tony L. McLeod	Thailand
Sgt. Albert Mignone	Greenland
Sgt. Michael V. Milani	Vietnam
Sgt. Jeffrey I. Mural	Thailand
Sgt. William E. Pellerin	Greenland
Sgt. Alan C. Phillips	Alaska
Sgt. Fred E. Rice	Alaska
Sgt. Jack E. Rofe	Thailand
Sgt. Theodore C. Saari	Alaska
Sgt. Kenneth D. Sniffin	Thailand
Sgt. Robert E. J. Sprague	Ryukyu Islands
Sgt. John W. Stevens	Alaska
Sgt. Gary J. Striler	Korea
Sgt. M. O. Teston Jr.	Spain
Sgt. Colin S. Therrien	Greece
Sgt. Michael E. Warrell	Alaska
Sgt. Charles W. Waters	Vietnam
Sgt. Michael D. Wright	Korea
A1C Hanford S. Chase Jr.	Greenland
A1C Bruce J. Cizisko	Vietnam
A1C Frank D. Donaldson	Germany
A1C Lawrence S. Ellis	Italy
A1C George E. Halvorsen	Alaska
A1C Homer D. Lane	Vietnam
A1C Walter D. Langkalt	England
A1C Paul M. Parilla	Germany
A1C Frederick Serchion	Vietnam
A1C Jack L. Sherwin	Taiwan
A1C David L. Vogelsang	Germany



NOW, WEATHER CAN'T BE THAT FUNNY. Barbara Marshall, one of several stewardess trainees at Victor Valley College, gets some additional help in her weather studies from her teacher, 1st Lt. David A. Sankey from Det. 23, 25th Weather Squadron, George AFB, Calif. Lieutenant Sankey instructs the girls in the ABCs of weather to help them explain weather phenomena to their passengers. (U.S. Air Force Photo)

The Observer regretfully announces the death of Sgt. Ernest C. Isley, Detachment 30, 6th Weather Wing, Vandenberg AFB, Calif.

Sergeant Isley died as result of injuries sustained in an automobile accident last month.

6th Wing staffmet slots offer varied responsibility

ANDREWS AFB, Md.—The who, what, why, when, and where of a staff meteorologist assigned to the 6th Weather Wing can be totaled into an intriguing picture which always stands on the threshold of being a dynamic part of the future, with the Staffmet in a front row seat.

His duties are twofold. While regularly assigned to an Air Weather Service resource, he or she is additionally recognized on Air Force Systems Command (AFSC) organizational charts as part of their command staff.

In many instances this means an office in the AFSC area in addition to another in the detachment or wing headquarters. This dual role hints at the uniqueness of the Staffmet function.

Traditionally the operational weather station acts as a central point of weather information, with the customer physically bringing himself into the station for briefings. The 6th WWg Staffmet, in contrast, acts as a mobile environmental center that goes to the customer in providing environmental support.

He provides AFSC projects and programs with an impressive resource of environmental knowledge. He must be an analyst of special information. Like the general medical practitioner, he must have a phenomenal ability to cov-

er a multitude of areas and still be excellent in all that he does. The very spectrum of the AFSC organizational structure which spans the majority of the technical Air Force services dictates that the Staffmet be versatile.

In more specific terms the weathermen of the 6th Wing are presently involved in many different projects. The Advanced Ballistic Missile Re-entry System, C-5 Galaxy, Apollo, Airborne Warning and Control Systems and B-1 bomber are but a small portion of their activities.

His job might be with the Cambridge Research Laboratory, the Air Force Weapons Laboratory, the Foreign Technology Division at Wright-Patterson AFB, or anywhere that his knowledge is required. As far as qualifications are concerned all Staffmets are advanced weather officers, most with some post-graduate work completed.

The size of the Staffmet office varies. At the 6585th Test Group at Kirtland AFB, N.M., the office consists of one, while the Cambridge Research Laboratories have six.

Whether he is one of six or one of one, the Staffmet can call upon an impressive array of background information. The Environmental Technical Applications Center (ETAC), the Cambridge

Research Laboratories, the 6th Weather Squadron (Mobile), are often tapped by the Staffmet. In some instances the Staffmet must mobilize much of AWS's assets to answer unusual queries.

According to those employed in the Staffmet position, the constant challenge of the job makes it exciting. Staffmets are highly motivated by the creative aspects of the work they are asked to perform. While it appears that a good Staffmet must possess the skills of a Leonardo de Vinci, his task is rewarding and the desire to change jobs is almost nonexistent.

Hq AFCS hosts AWS commander

RICHARDS-GEBAUR AFB, Mo.—Brig. Gen. William H. Best Jr., commander of AWS visited Air Force Communications Service (AFCS) headquarters at Richards-Gebaur AFB, Mo., March 19, to discuss AFCS-AWS.

Accompanied by a five-man staff, General Best was welcomed by Maj. Gen. Paul R. Stoney, commander of AFCS. Following a briefing on AFCS, the group spent the day discussing environmental and weather communications requirements, weather radar depot level maintenance and other subjects of mutual interest.

The two Air Force organizations pioneered the Automated Weather Network (AWN), an automated system of automatic digital weather switches operating around the world.

The AWN is a real-time computer system that collects and edits weather data, delivers the data to military forecasting facilities and distributes forecasts based on the data to users. It is considered one of the most advanced weather communications systems in existence.

AMS prexy visits AWS

SCOTT AFB, Ill.—Dr. Alfred K. Blackadar, new president of the American Meteorological Society (AMS), recently visited AWS headquarters at Scott AFB. Dr. Blackadar was a weather officer for the Air Force from 1942 to 1946 and is presently Professor of Meteorology at Pennsylvania State University, University Park, Pa.

The visitor was briefed on capabilities, activities and future plans of AWS.

The 1st, 6th and 7th Weather Wings were three AWS units not mentioned in Observer's March issue as recipients of MAC safety awards. The 6th WWg., headquartered at Andrews AFB, Md., will receive both the Ground Safety Achievement Award and the Private Motor Vehicle Safety Award. The 1st WWg., Hickam AFB, Hawaii, was selected to receive the Private Motor Vehicle Safety Award, while the 7th WWg., Scott AFB, Ill., was selected for the Ground Safety Achievement Award.



HANDS ACROSS THE SEA is an AWS way of life, for weather knows no national boundaries. In recognition of continuing friendship and cooperation between the two countries' weathermen, Dr. Motoji Yoshitake, director general of the Japan Meteorological Agency, accepts an AWS-inscribed barometer from the AWS Commander, Brig. Gen. William H. Best Jr. The occasion was General Best's recent visit to the meteorological agency in Japan. (U.S. Air Force Photo)

Andersen weather birds foil Elmendorf cold fog

by Maj. Jay C. Plymale
ANDERSEN AFB, Guam — The age-old cliché about doing nothing about the weather may apply to everyone except the members of the 54th Weather Reconnaissance Squadron.

Normally the 54th, commanded by Lt. Col. Allen Weeks, is busy tracking the numerous storms and typhoons which occur annually throughout the far reaches of the Pacific . . . but, as for the past four winters, their unique talents were needed in a location far from the sunny shores of Guam.

Since Nov. 15, the "Typhoon Chasers" have been battling the forces of "old man winter" at Elmendorf AFB, Alaska. The job is completed now, but only after a real struggle. The 54th's mission, project "Cold Cowl," has been to keep the Elmendorf runway clear of obscuring fog by using a scientific method.

Elmendorf is a vitally important staging base for logistical

man-made snow, but Elmendorf's runways remained open.

Crews were on alert around the clock . . . ready to fly against the menacing fog at a moment's notice. As co-pilot Lt. James A. Eberhardt put it, "When other planes couldn't take-off, that's when ours did."

There were the "unsung" aircraft maintenance professionals. Men such as flight-line supervisor TSgt. Howard R. McAllister, engine technician SSgt. Harry N. Desantis, supply technician SSgt. Robert D. Dull, and many others endured the punishing 30-degrees-below-zero conditions to keep the weather "birds" always ready for that important "moment of truth."

The 54th's arduous mission made it possible for 391 aircraft to land or takeoff that normally would have been diverted to other airfields or delayed in departing.

Precious time and countless dollars were saved as Far East airlift reliability remained unhampered. But . . . for the truest meaning of "Cold Cowl", just ask the C-141 pilot or C-5 navigator about that safe, fog-free arrival at Elmendorf.

Key AF official briefed by AWS

SCOTT AFB, Ill.—Air Force's space systems chief was briefed here recently on the world-wide mission of Air Weather Service.

Dr. F. Robert Naka, deputy Air Force under secretary for space systems, visited the Illinois base to confer with Brig. Gen. William H. Best Jr., AWS commander.

Dr. Naka was briefed by AWS on the military weather service's evolution from a network of autonomous base weather stations following World War I to today's centralized computer-assisted operation. Future AWS plans and capabilities for global environmental support to Air Force and Army were also discussed.

New uniforms reach base exchanges soon

WASHINGTON (AFPS) — New Air Force uniforms will be available in base exchanges and base military clothing sales stores this year.

The new uniforms include the short sleeve, open collar blue shade 1550 shirt, which may be worn as an optional summer uniform combination with the shade 1084 or shade 1549 tropical dress trousers.

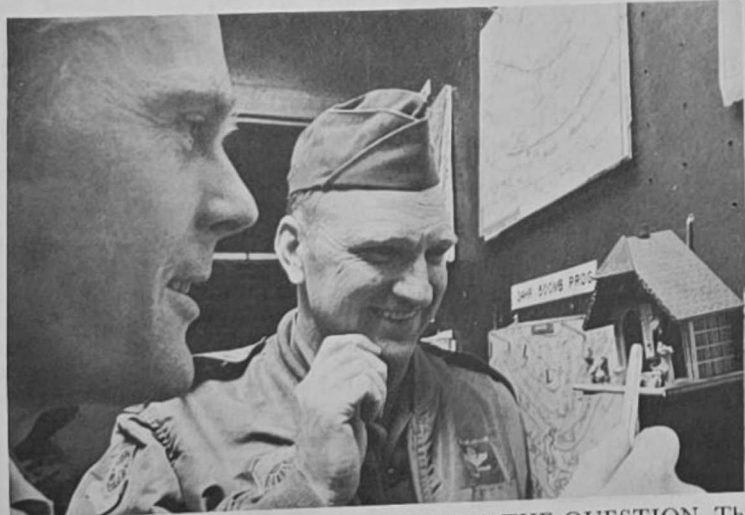
Officers will wear miniature rank insignia on the collar and airmen will wear three-inch chevrons.

The shade 1550 shirt is available commercially, officials said,

and base exchanges are expected to have it in inventory soon. The shirt is an optional item and will not be sold in clothing stores.

Women in the Air Force will have a newly designed, double breasted winter weight uniform of wool and polyester in shade 1549. It will be available this summer in clothing stores.

Meanwhile, dark blue, wash and wear trousers to go with the shade 1550 short sleeve shirt are still in the development state. If the shirt and trousers should be adopted to replace the 1505 tan uniform, it would be available in clothing stores.



WILL HE OR WON'T HE. THAT WAS THE QUESTION. The "he" refers to the smiling gent that pops out of the little box to tell SSgt. Tadd Kowalski, an observer at Det. 15, 20th Weather Squadron at Osan AB, Korea, and Maj. Ordie Crowell, a pilot with the 69th (MAS) Group, that weather will be fine. Both were waiting for bad weather to pass which had delayed an airdrop of troops by one day during exercise Freedom Vault. (Photo by TSgt. Yuen-Gi Yee)



airlift movement (including aeromedical evacuation) to and from Southeast Asia. An average of 65 to 75 aircraft arrive or depart daily.

Flying their specially equipped WC-130s through the tops of the fog layer and employing a technique of dispensing dry ice through a crusher, the 54th crews were able to break up the fog.

The dry ice, acting as a catalyst, caused the supercooled water droplets to freeze and fall out as ice crystals. There was a lot of

... in support of Ace Band Polar Cap

by Capt. Michael J. Fox

A commercial international transpolar flight from Europe crashes on the polar icecap leaving her passengers and crew stranded in a completely hostile and unforgiving environment.

They were lucky. The plane didn't break up on landing or catch fire. It landed wheels up on a smooth section of six feet of thick ice covered by two to three feet of snow and came to a jolting stop as it struck a 10-foot high ice ridge.

Outside the temperature was 50 degrees below zero. The wind was blowing 25 knots. Dressed as they were, these passengers would have frozen to death within a few hours because the equivalent chill temperature was minus 125 degrees.

This simulated event set the stage for the Alaskan Command (ALCOM) directed exercise Ace Band Polar Cap.

To United States Army Alaska (USARAL), Ace Band Polar Cap was the first exercise in a series to develop and test their arctic Ranger Company, a relatively new paradrop unit which has been training to cope with many diversified arctic problems. To the Alaskan Air Command (AAC), it was another opportunity to exercise their airlift capability and further develop joint operations.

Ultimately, the exercise coordinated activities of these major commands in Alaska, the Alaskan Sea Frontier (ALSEAFRON), the Federal Aviation Administration, the National Oceanic and Atmosphere Administration (NOAA), and the National Weather Service (NWS). Bringing total weather support together for this exercise was the responsibility of the 11th Weather Squadron.

Under actual conditions, where the circumstances of our hypothetical air crash would cause some people to freeze to death in four or five hours, the Rangers would have been deployed immediately to the rescue. In the Ace Band training exercise, however, safety was paramount.

In January, long before the planned jump, the aerospace sci-

ences division of 4th Weather Wing were using its computer resources to compile the planning climatology for Point Barrow, Alaska, and the proposed drop zone some 120 miles north of Point Barrow on the polar ice pack. The 11th WSq. planners studied the details of the command plans and lined up the detailed weather support.

At 11th WSq.'s Weather Services Branch, Maj. William M. Dabrock and his weather center forecasters tested their forecasting capability several days in advance of the exercise. All data was used. Prognostic charts from Global Weather Central, Russian Ice Island observations, arctic coastal weather observations from Northern DEW and NWS stations—all were plotted and analyzed.

The day of reckoning arrived. It was March 1. Support forces had deployed to the staging area at Point Barrow. The Arctic Rangers were standing by while the supplies for the paradrop were loaded and ready. The special reconnaissance flights of two WC-130's of the 55th Weather Reconnaissance Squadron, 9th WWg., were now stepped up to two a day.

The temperature at Point Barrow dropped to a minus 62 degrees. At this temperature, some lubricating oils turn to cement and liquids that are still fluid seep out around their "O" ring seals because their containing surfaces have shrunk away from them in this intense cold. The forecast for the drop zone was for marginal conditions. Stand-down for 24 hours.

Weather conditions were just right the next day. The temperature was a balmy minus 29 and all systems go. SSgt. Michael A. Connell and Sgt. Wayne W. Winder from the 11th WSq. were airlifted by helicopter to the drop zone on the ice pack along with the control party and dug in for the duration.

Now we are getting those long awaited special recon mission reports and observations from the drop zone. It was smooth sailing from here on.



SIGHTING THE THEODOLITE prior to launching pilot balloon on the icy cape is SSgt. Michael A. Connell, NCOIC of the 172 Infantry Brigade Weather Team. Sergeant Connell was one of many weathermen who helped support the Alaskan Command exercise Ace Band Polar Cap. (U.S. Air Force Photo)

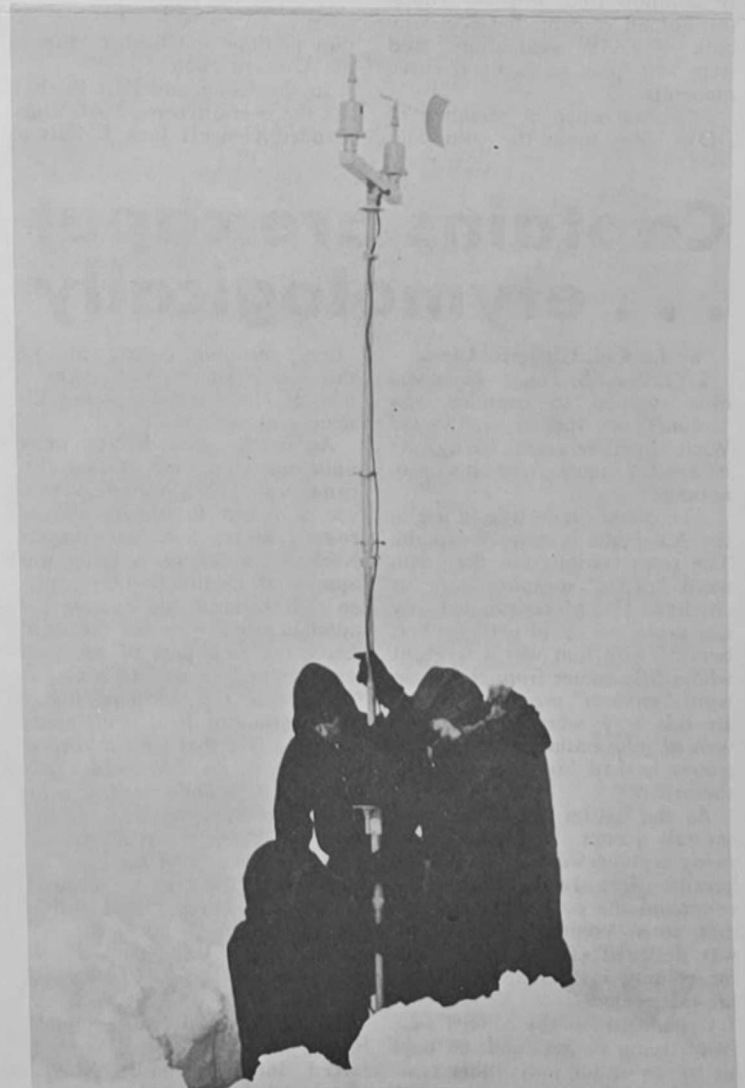
At Elmendorf, staff weather personnel were providing detailed command briefings to the ALCOM and AAC commanders and their staffs. At Point Barrow, USARAL Commanding General James F. Hollingsworth received the final weather word from his Staff Weather Officer, Maj. Arthur E. Douglas, while Capt. Edgar W. Smoot and TSgt. Koser D. Hudson were busy providing crew briefings. SSgt. Bruce N. Larabee provided surface observations from the airfield at Arctic Naval Research Laboratory where the airlift support aircraft were staging to the drop zone.

The airborne force of Arctic Rangers was loaded at Elmendorf AFB and was off and running. At 1:30, word was received that the drop was a complete success! All men and equipment were accounted for, no injuries, and only four minor cases of frostbite. There remained the safe removal of men and equipment tomorrow.

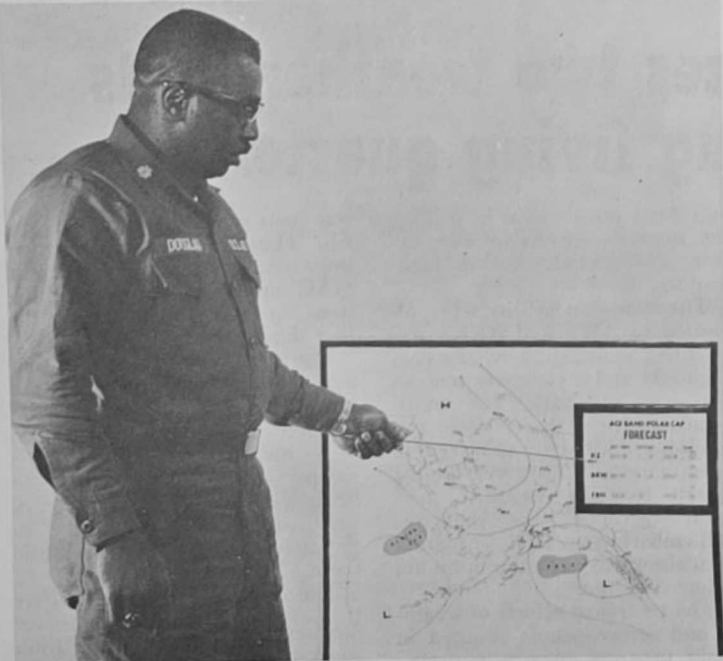
The weather held as forecast. Evacuation of men and equipment commenced March 4 with the staging of helicopters from the Naval Arctic Research Laboratory airfield shortly after the first flight. The shuttle to the ice pack continued throughout the day and finally at 4:30 pm local the last bird with weather observers touched down at Point Barrow.

Even though this event was typical of many exercises conducted annually by ALCOM in Alaska, it was an historic first.

It was the first time that a sizeable force of men and equipment was ever paradropped on the arctic ice pack—and elements of the 4th and 9th Wings played an important role in it.



NO. IT'S NOT A FLAG! SSgt. Michael A. Connell, NCOIC of the 172nd Infantry Brigade Weather Team, right, Sgt. Wayne W. Winder, team member, kneeling and an unidentified helper erect the AN/TMQ-15 Wind Measuring Instrument used on the polar ice cap 120 miles North of Point Barrow, Alaska. (U.S. Air Force Photo)



PRESENTING UPDATED INFORMATION about weather at the staging area, Point Barrow, Alaska, is Maj. Authus E. Douglas, staff weather officer to USARAL. Briefings such as this were numerous throughout exercise Ace Band Polar Cap. (U.S. Air Force Photo)

7th Wing directorate of weather supports MAC global operations

SCOTT AFB, Ill.—Each day, 24-hours worth of painstaking worldwide calculation, observation and forecasting is compressed into a three to four minute weather briefing for the commander of Military Airlift Command (MAC).

At the MAC Command Post, the 7th Weather Wing's directorate of weather (DOW) maintains a 24-hour day monitor of meteorological conditions around the globe, with special interest in areas playing host to MAC operations and exercises.

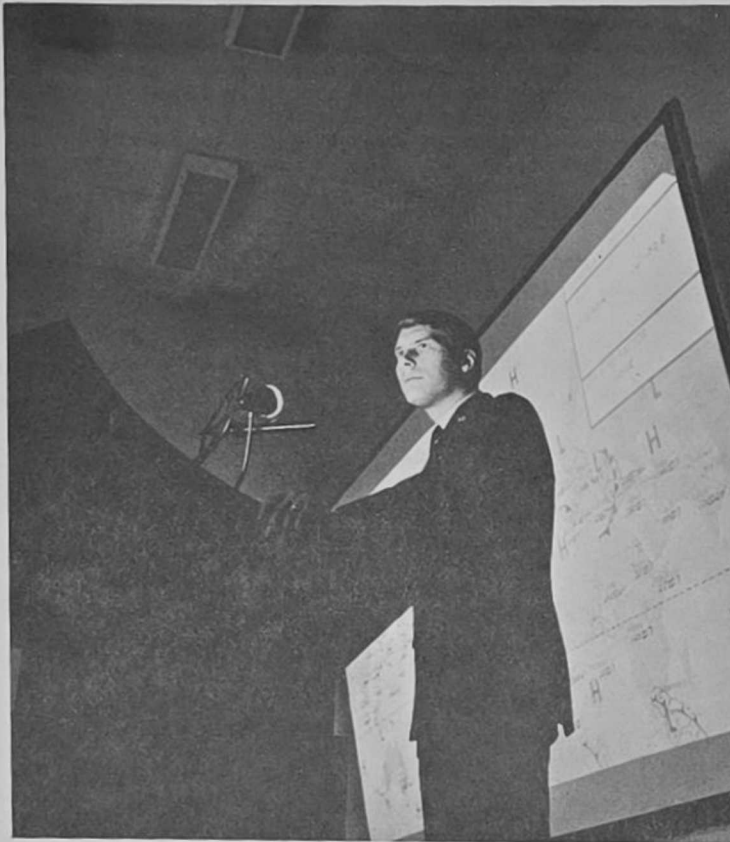
"We keep the commander of MAC abreast of significant weather that will affect his mission," says Capt. Frank J. Luciani of DOW operations.

Weather data from virtually every point is collected by Air Force Global Weather Central at Offutt AFB, Neb. It is then relayed to many sites, such as DOW, where the information is used to redirect weather-threatened aircraft in order to maintain peak mission accomplishment and a high degree of safety.

Among other tasks, DOW acts as liaison between weather support units and their MAC "clients" around the world. They are also involved in the weather facet of planning for MAC exercises and are authors of manuals that govern weather support to MAC operations.

Though their operation is highly computerized and electrified, the human element performs the bulk of DOW evaluations, and steps into play at many decisive moments . . .

. . . as when a member of DOW steps upon the command



AWAITING THE SIGNAL to begin the daily morning weather briefing for the commander of the Military Airlift Command is Capt. Patrick J. Fiscus, a member of 7th Weather Wing's directorate of weather, which monitors meteorological conditions with special interest in areas playing host to MAC operations and exercises.

(Photo by 2nd Lt. Milt Capps)

* * *
post podium and begins, "Sir, in the Western Pacific . . ."

In the Command Post balcony sits the ever-attentive MAC commander, General Jack J. Catton.

Captains are caput . . . etymologically

by Lt. Col. Clyde R. Cloak
DYESS AFB, Tex.—Have you ever stopped to consider why "colonel" is spelled that way? What about "sergeant"? Why isn't it spelled more like it's pronounced?

The oldest grade title in use in the Air Force is that of captain. The term comes from the Latin word "caput" meaning head or chieftan. He, of course, led any size group he could get together. Serving with him was a sergeant whose title comes from the Latin word "services" meaning serving. In this way when the captain wanted information passed to the troops he had his sergeant relay the orders.

As the battles got bigger and several groups commanded by many captains worked together, it became necessary for someone to command the column of companies, so a "column commander" was designed. The Italian word for column is "colonnello." Thus the title, colonel.

Upon occasion the colonel was away trying to get funds to pay his troops or for some other reason. It became necessary for someone to hold the place of the colonel when he was gone. A couple of French words are involved: "tenant" meaning someone who holds the place and

"lieu" meaning instead of. So, this man who was the tenant in lieu of the colonel became the lieutenant colonel.

As these columns became more numerous and their mission became more complicated, a man was required to handle all the rosters, details and other paperwork. So, a column sergeant was appointed. Eventually he was given officer status and became the administrative type for the unit. Later the first part of the title was dropped, so we had a major.

The title for the most junior officer, that of lieutenant, came from the fact that he would hold the place of the commander. Although it was understood that he was a lieutenant-captain, only the first half has ever been used.

Maybe it's a good thing we no longer have the rank of corporal in the Air Force, as this title literally means "head of square" or squarehead. The square was four men and he was in charge of four people.

The term private was originally one of honor, for he wasn't forced into the military. He wasn't a slave, but made a private contract to serve for a specific period of time, and for a certain percentage of the loot or booty his company managed to take. (SAC Press Service)

Management analysis NCO honored at award banquet

SCOTT AFB, Ill.—Sgt. Joseph D. Russell, Hq. AWS, was honored March 19 along with six other area federal employees and military personnel at the annual Federal Awards Banquet of Greater St. Louis. He was cited for "extraordinary service to the community and government."

The banquet co-sponsored by the Federal Executive Board, Federal Business Association and the Federal Personnel Council of Greater St. Louis annually recognizes those federal civilian employees and military personnel who have contributed the most to their self-improvement and community services and have performed their official duties outstandingly. Four military and three civilian award plaques were presented.

Sergeant Russell, a management analysis specialist with Hq. AWS, was singled out from all other Air Force nominees for the enlisted man or woman award (pay grades E-1 through E-5). He was judged the "best of the best" in that category from Scott AFB, by a panel of judges composed of prominent businessmen, educators, and community leaders from St. Louis.

Sergeant Russell, a native of Chicago, entered the Air Force in 1969 after completing two years of study at Roosevelt Uni-



Russell

versity where he majored in accounting. Since his assignment to Scott AFB, he has earned nine semester hours at Belleville Area Junior College maintaining A and B grades.



ROOMS LIKE THIS helped the 31st Weather Squadron and the 40th Aerospace Rescue and Recovery Wing, both at Ramstein AB, Germany, win the MAC Outstanding Dormitory Award for 1970. Both MAC units are housed in the same barracks.

(U.S. Air Force Photo)

MAC recognizes two weather units for outstanding living quarters

SCOTT AFB, Ill.—Two AWS units were named by Military Airlift Command officials as winners of the annual outstanding dormitory and dayroom awards for 1970.

Winner of the outstanding dayroom award was Detachment 18, 20th Weather Squadron, Yong San Army Reservation, Korea. The outstanding dormitory award was a joint award shared by the 31st Weather Squadron and the 40th Aerospace Rescue and Recovery Wing. Both MAC units are housed in the same facility.

The dormitory award is given annually to that unit which has done the most to improve their living conditions in bachelor-type government quarters through self-help efforts. Special emphasis is placed on resourcefulness, inge-

nuity and imagination in making the quarters attractive and livable. This includes outside landscaping.

The Ramstein facility when allocated to AWS and ARRS was classified as marginal by base civil engineers and a complete renovation was necessary. The transformation of a bare, drab and rundown dormitory appeared to be an impossible task. Yet, despite austere funding, the MAC personnel accepted the challenge and embarked on a joint program to achieve and maintain optimum living conditions.

The combined efforts of weather and rescue people resulted in rapid progress towards improvement of their living quarters. Through many hours of self-help efforts and cooperation by all dormitory members, their facility

was soon rated the best in USAFE. They have continued their improvements and feel that the MAC award is but a stepping stone on their goal of having the best dormitory in USAF.

The basic rules for judging dayrooms were primarily the same as for dormitories. To be declared outstanding they have to be just that, outstanding. This means that the facility must be neat, well organized and offer a wide variety of conveniences to the user. This includes a music room, TV and game room.

The YongSan dayroom offers this and much more. As a tenant unit on an Army installation there were tight restrictions on Army resources. Yet, through self-help efforts, the weathermen completely refurbished their dayroom both inside and out.

Awards and decorations

Silver Star

Capt. David B. Marrs, 55th WRSq.

Bronze Star

Lt. Col. Donald C. Hansen, Det. 14, 1st WGP.
 Maj. George R. Hammond, 1st WGP.
 Capt. Earl E. Bradsher III, Det. 31, 5th WSq.
 Capt. Leonard E. Bucklin, Det. 32, 5th WSq.
 Capt. Gary L. Curtin, Det. 14, 1st WGP.
 Capt. Robert C. Gormley II, 5th WSq.
 Capt. F. Green, 30th WSq.
 Capt. John M. Huck, OL-D, 5th WSq.
 Capt. Gordon S. Jones, Det. 37, 5th WSq.
 Capt. William O. Kiser II, Det. 32, 5th WSq.
 Capt. Kenneth N. Kullberg, OL-E, 1st WGP.
 Capt. James W. Little, Det. 32, 5th WSq.
 Capt. Larry L. Marsh, OL-B, 1st WGP.
 Capt. William A. Mork, Det. 32, 5th WSq.
 Capt. Stanley Y. Strader, Det. 37, 5th WSq.
 Capt. Cam J. Tidwell Jr., 5th WSq.
 1st Lt. Jeffrey A. Gilbert, 1st WGP.
 1st Lt. Charles C. Quigley, Det. 25, 10th WSq.
 SMSgt. Franklin A. Horne, 5th WSq.
 MSgt. Leslie F. Farkas, Det. 14, 1st WGP.
 MSgt. James W. Kelley, Det. 31, 5th WSq.
 TSgt. Donald R. Alexander, 10th WSq.
 TSgt. Chester G. Newman, Det. 7, 5th WSq.
 TSgt. Irvin L. Skov, Det. 17, 10th WSq.
 TSgt. Eston R. Williams Jr., Det. 17, 10th WSq.
 SSgt. Domingo A. Fernandez, Det. 23, 30th WSq.
 SSgt. Ralph A. Jennings, Det. 31, 5th WSq.
 SSgt. John A. Tonra, Det. 9, 30th WSq.
 SSgt. James M. Tyler, 1st WGP.

Air Medal

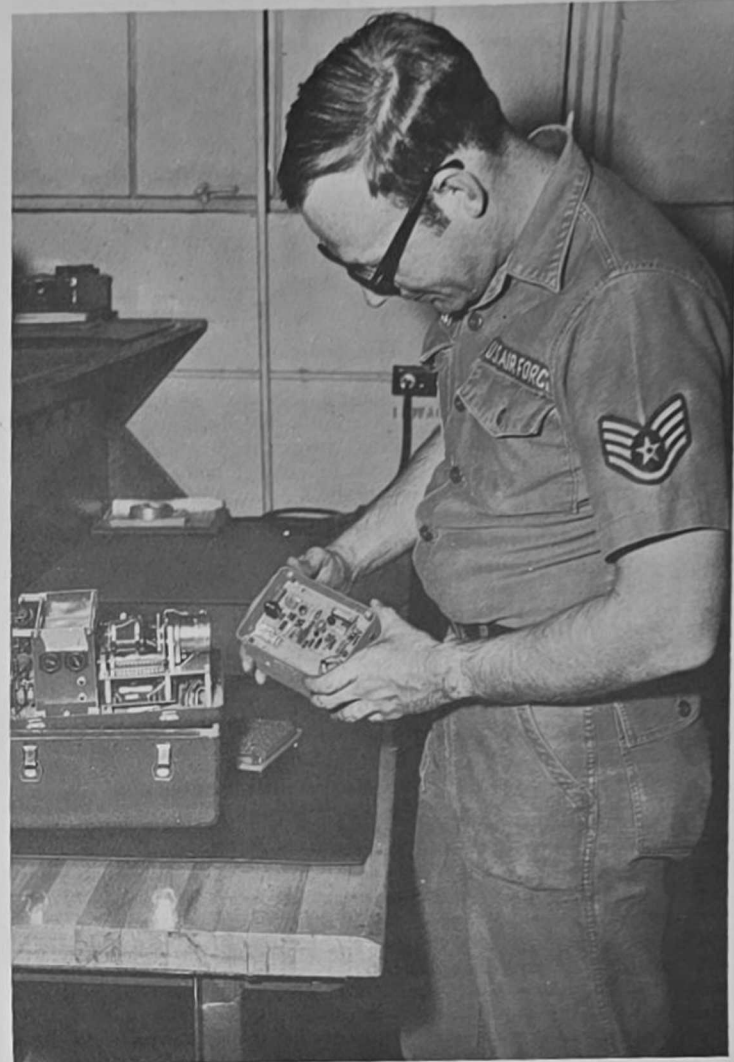
Maj. Joseph W. Martin Jr., (2nd oak leaf cluster), 56th WRSq.
 Capt. Charles G. Bejin, 56th WRSq.
 Capt. Donald T. Carlson, 56th WRSq.
 Capt. Eugene J. Heald, 56th WRSq.
 Capt. Jettie E. Padgett, (4th oak leaf cluster), 56th WRSq.
 SMSgt. Doyle Painter Jr., (1st oak leaf cluster), 56th WRSq.
 MSgt. Alonzo W. Layne, (1st oak leaf cluster), 56th WRSq.

MSgt. Marion L. Stafford, (1st oak leaf cluster), 56th WRSq.
 TSgt. David R. Davis, (1st oak leaf cluster), 56th WRSq.
 TSgt. Roger A. Johnson, (2nd oak leaf cluster), 56th WRSq.
 TSgt. Robert G. Radford, (2nd oak leaf cluster), 56th WRSq.
 SSgt. Roger J. Ashley, 56th WRSq.
 SSgt. Jerry D. Brown, 56th WRSq.
 SSgt. Richard P. Maszak, (1st oak leaf cluster), 56th WRSq.

Air Force Commendation Medal

Maj. Donald R. Thornley, Det. 30, 6th WWG.
 Capt. David K. Boubelik, 56th WRSq.
 Capt. Elroy E. Christensen, 54th WRSq.
 Capt. Harry C. Decker, Det. 5, 9th WRWG.
 Capt. Jay H. Evans, Det. 18, 30th WSq.
 Capt. Edwin B. Huber, 3rd WWG.
 Capt. David L. Nolting, 54th WRSq.
 Capt. Jettie E. Padgett, 56th WRSq.
 Capt. Walter H. Stevenson, (1st oak leaf cluster), 56th WRSq.
 Capt. Albert Sullivan, (1st oak leaf cluster), 3rd WWG.
 Capt. Michael B. Wilson, 3rd WWG.
 1st Lt. Gregory L. Logan, Det. 1, 26th WSq.
 SMSgt. Doyle Painter Jr., 56th WRSq.
 MSgt. Warren C. Lawyer, Det. 23, 25th WSq.
 MSgt. Robert H. McClellan, (1st oak leaf cluster), 11th WSq.
 TSgt. Howard C. Anderson, Det. 14, 1st WGP.
 TSgt. Murray R. Baker, (1st oak leaf cluster), Det. 19, 9th WSq.
 TSgt. John D. Dacey, Det. 32, 5th WSq.
 TSgt. Harold R. DeHaven, Det. 5, 30th WSq.
 TSgt. Dolores J. Gauthier, 1st WWG.
 TSgt. John B. Gordon Jr., 1st WGP.
 TSgt. David E. Masters, Det. 15, 10th WSq.
 TSgt. Nelson A. Mowry, 5th WSq.
 TSgt. John F. Ryan, (2nd oak leaf cluster), Det. 38, 7th WWG.
 TSgt. Dale E. Smith, Det. 2, 6th WWG.
 TSgt. Robert L. Smith, (1st oak leaf cluster), 55th WRSq.
 TSgt. Carlos Valencia Jr., Det. 14, 1st WGP.
 TSgt. William G. Workman, (1st oak leaf cluster), 6th WSq.
 SSgt. Jerry L. Alexander, Det. 17, 10th WSq.
 SSgt. Garry L. Allison, OL-E, 5th WSq.

SSgt. Richard Beese, 6th WWG.
 SSgt. Edward Coffey Jr., 55th WRSq.
 SSgt. Marvin L. Gross Jr., Det. 36, 30th WSq.
 SSgt. Johannes Fischer, OL-A, 6th WWG.
 SSgt. Floyd Fox Jr., 56th WRSq.
 SSgt. Walter L. Gabler, Det. 9, 30th WSq.
 SSgt. Victor H. Gates, 5th WSq.
 SSgt. Thomas D. Gray, Det. 16, 10th WSq.
 SSgt. Leonard C. Hume Jr., (1st oak leaf cluster), 56th WRSq.
 SSgt. John J. Reuterskiold, Det. 31, 5th WSq.
 SSgt. Charles M. Sampson, Det. 16, 10th WSq.
 SSgt. Michael E. Smith, 53rd WRSq.
 SSgt. William H. J. Young, Det. 16, 10th WSq.
 Sgt. William R. Browning, 10th WSq.
 Sgt. Jacque A. Cashman, Det. 32, 5th WSq.
 Sgt. Joseph J. Cline, Det. 16, 10th WSq.
 Sgt. Ronald L. Corman, Det. 18, 30th WSq.
 Sgt. Daniel P. Danysh, Det. 32, 5th WSq.
 Sgt. Eulas G. Dean, Det. 31, 5th WSq.
 Sgt. Richard E. Dubble, Det. 15, 10th WSq.
 Sgt. Alan D. Eaton, Det. 9, 30th WSq.
 Sgt. Larry D. Flohaug, Det. 18, 30th WSq.
 Sgt. Francis J. Gorleski Jr., Det. 31, 5th WSq.
 Sgt. Nicholas A. Griego, Det. 16, 10th WSq.
 Sgt. Leon T. Hairie, Det. 16, 10th WSq.
 Sgt. Clarence E. Harris, Det. 31, 5th WSq.
 Sgt. Jack S. Hollis, Det. 36, 30th WSq.
 Sgt. Robert K. Horres, OL-D, 5th WSq.
 Sgt. Arnold H. Karagis, Det. 5, 30th WSq.
 Sgt. David A. Kitko, Det. 17, 10th WSq.
 Sgt. Frederick D. Maxwell, 1st WGP.
 Sgt. Oliver R. Meade Jr., Det. 7, 5th WSq.
 Sgt. John R. Moriarity, Det. 31, 6th WWG.
 Sgt. Gerald S. Sherman, OL-E, 5th WSq.
 Sgt. Mark R. Thomas, OL-E, 5th WSq.
 Sgt. Michael E. Walter, OL-D, 5th WSq.
 Sgt. Brian D. Williams, Det. 16, 10th WSq.



DOLLAR SAVER — SSgt. Melvin H. Waley, Det. 31, 6th Weather Wing, Goodfellow AFB, Tex., compares the new with the old. He suggested using B-60 transducers instead of B-58 altitude transmitters in weather balloons to save Air Force \$4,840 and earn himself \$295 through the Suggestion Program. (U.S. Air Force Photo)

Eielsonites record shivering snowfall

EIELSON AFB, Alaska—Eielsonites have experienced a winter that has broken several previous records. Beginning with September 1970, 126.1 inches of snow had fallen by Feb. 15, 1971. The previous annual record was 121.1 inches during the 1966-67 season. September and November were record months for snowfall with 12.4 and 47.1 inches, respectively.

A new low temperature record was established on Jan. 23, when the thermometer dipped to minus 64 degrees. The previous record, minus 62 degrees, was set on Jan. 26, 1947 and tied on Jan. 18, 1971.

Numerous daily temperature records, both highs and lows, have fallen during this winter at Eielson. For example, 39 degrees on Jan. 4, and 35 degrees on Jan. 5, were new record high temperatures for these dates. Yet, low temperatures dropped to minus 50 degrees or colder Jan. 15 through 19 and again Jan. 22 through 29. The period broke the record for consecutive days of 50 degrees below zero or colder.



ABSOLUTE DEDICATION to his work despite the obvious distraction is registered by SSgt. Jim Munday, 19th Air Force's jump-qualified weather observer, while he assembles a miniature theodolite. Actually Rita Moreno, who was added to the original photograph, is the one doing the jumping. (U.S. Air Force Photo)

Births in AWS

RANDOLPH, AIC and Mrs. James A., a son, James Allen. Father assigned to Det. 14, 16th WSq., Ft. Hood, Tex.

RACER, 1st Lt. and Mrs. Ira R., a daughter, Jaime Beth. Father assigned to Det. 17, 20th WSq., Yokota AB, Japan.

FRICK, 1st Lt. and Mrs. Walter E., a daughter, Erika Renate. Father assigned to Det. 36, 25th WSq., Mountain Home, Idaho.

HOLMES, Capt. and Mrs. Lester G., a son, Jason O. Father assigned to OL-A, Det. 48, 4th WWG., Sondrestrom AB, Greenland.

DZIEZYK, Sgt. and Mrs. Thomas, a son, Vincent. Father assigned to Det. 12, 4th WWG., Otis AFB, Mass.

HEATH, Capt. and Mrs. Edward D., a son. Father assigned to ETAC, Navy Yard Annex, Washington, D.C.

TESTA, Sgt. and Mrs. Peter O., a son, Scott Michael. Father assigned to Det. 10, 20th WSq., McGuire AFB, N.J.

WARREN, SSgt. and Mrs. James M., a daughter, Jennifer Michelle. Father assigned to Det. 1, 4th WWG., Ent AFB, Colo.

CALDWELL, SSgt. and Mrs. Cody E., a son, John Christopher. Father assigned to Det. 17, 20th WSq., Yokota AB, Japan.

REHKAMP, 1st Lt. and Mrs. Ronald D., a daughter, Tina. Father assigned to Det. 12, 4th WWG., Otis AFB, Mass.

PHILLIPS, 1st Lt. and Mrs. Jeffrey J., a daughter, Amy Lee. Father assigned to Det. 10, 15th WSq., McGuire AFB, N.J.

STEELE, 1st Lt. and Mrs.

Donald R., a son, Matthew Russell. Father assigned to Det. 21, 9th ESq., Minot AFB, N.D.

ABLES, Capt. and Mrs. Robert L., a son, Benjamin James. Father assigned to 1st WWG., Nimitz Hill, Guam.

FALORETTI, Sgt. and Mrs. John A., a daughter, Tina. Father assigned to Det. 12, 4th WWG., Otis AFB, Mass.

DOTTERY, SSgt. and Mrs. Hugh E., a son, Edward Jermaine. Father assigned to Det. 21, 31st WSq., Kindsbach CMF, Germany.

MCBEE, SSgt. and Mrs. Charlie W.C., a daughter, Angela Lynn. Father assigned to Det. 20, 9th WSq., Beale AFB, Calif.

TOEPFER, SSgt. and Mrs. Frederick, twin daughters. Father assigned to Det. 13, 20th WSq., Misawa AB, Japan.

WELCH, Capt. and Mrs. Gary G., a daughter, Lara. Father assigned to Hq. 6th WWG., Andrews AFB, Wash., D.C.

SMITH, Maj. and Mrs. Charles S., a son. Father assigned to Hq. 5th WWG., Langley AFB, Va.

THOMPSON, Amn and Mrs. Robert L., a son. Father assigned to Hq. 5th WWG., Langley AFB, Va.

JENSEN, Sgt. and Mrs. Richard B., a daughter, Robyn Rachelle. Father assigned to Det. 11, 6th WWG., Patrick AFB, Fla.

FICKEN, Mr. and Mrs. Roger, a son, Darryn James. Mother employed at Hq. AWS.

STALLINGS, Mr. and Mrs. Thomas, a daughter, Tanya Lynne. Mother employed at Hq. AWS.

SPORTS

FRONT



by AIC Dennis Keane

People around the command were active in four sports activities last month: a track marathon, bowling, volleyball and basketball.

Phan Rang AB, Vietnam, fell victim to an earthquake in March, not from subterranean pressure, but from the pounding of 66 feet, clad in everything from track shoes to combat boots and paired on 33 entries in the Happy Valley Sunshine Marathon.

The track event, initiated by Capt. Douglas Kibby, chief forecaster at Detachment 22, 30th Weather Squadron, was divided into three classes which gave equal chance to men in all age brackets.

The classes were: "A," ages 30 and under; "AA," ages 31 to 40; and "AAA," 41 and above. Those in the "A" category ran a 3-3/4-mile track, while those in the other classes ran 2-1/2 miles.

Two people from the detachment ran in the Class "A" event: Sgt. David B. Myers and Captain Kibby, who placed fourth.

Still Bowling Along

The Webb Weather bowling team made up of members of the Detachment 16, 24th WSq., at Webb AFB, garnered first place in the Big Spring Bowling Association City Division. Steve Meyers led the team with a 629 series. Other team members include Frank Krovinsky (599), Bob Kelson (516), Tom Davis (574) and Gene Berry (598) as the team totaled 3,157 pins.

Bowling team members representing Det. 27, 4th Weather Wing, at Hancock Field, N. Y., completed their season successfully by capturing first place in the base intramural league. The team held first place for all but the first few weeks of the season. Steve Mekis led his teammates with a 175 average. Other assets to the team are: team captain Gary Verholeks, Joe Kovac, Dennis Jepsen, Ed Sabatini, Bruce Townsend and special mention goes to Dave Fortier who worked swing shift to free a team member to bowl.

The bowling team of 6th WSq. (Mobile) is holding down first place in the Tinker AFB Intramural League. The squadron has the highest team average in the 22-team league. Team members are Don Garbutt, Roy Worstell, Chas Hewitt, Joe Rua, Tom Margraff, Mike Smertick, Leonard Allen and Ray Lawlor.

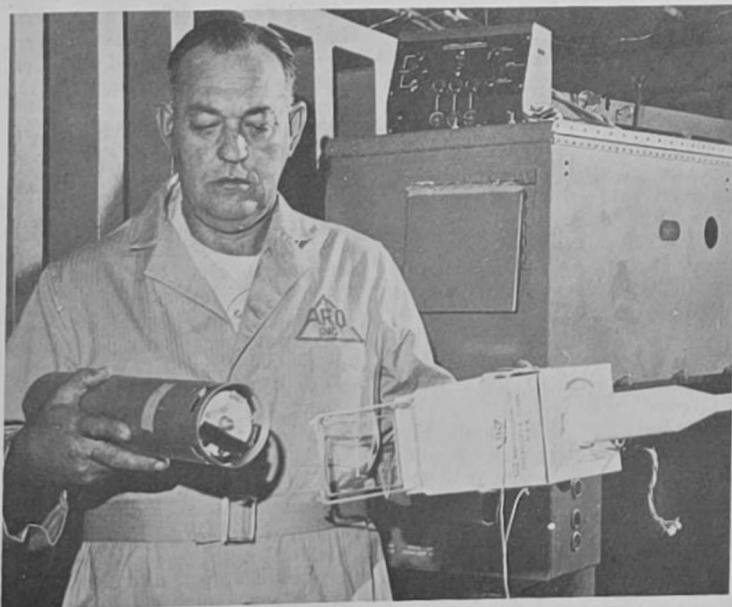
Hoopsters Place

The tenant unit basketball team at Kingsley AFB finished fourth out of seven for the intramural season with a 7-5 record and finished third out of seven for the Round Robin double elimination tournament. Nine members of the unit team are from Det. 2, 4th WWg.

After a slow start, the combination basketball team of Det. 30, 9th WSq. and 1937th Communications Squadron made the play-offs in the Beale AFB Intramural Basketball League. Following the play-offs the team became the base's runner-up for 1971. Det. 20 participants included Matthew Fultz, Keith Hutchison and Edward Smith.

Base Champs

The 7th WWg. Headquarter's volleyball team won first place in the Scott AFB championship tournament in March. The team came back from the loser's bracket to beat the MAC 1200th Support Squadron two straight games to win the double elimination event. This marks the fourth consecutive year that the team has bested all comers.



HELPING THE WEATHERMAN—AWS recently asked Air Force Systems Command's Arnold Engineering Development Center to check the accuracy and response time of its two standard radiosondes. The equipment was successfully investigated in a wind tunnel capable of generating airflows at five times the speed of sound. Here, J. H. Blocker, a technician for ARO Inc., contracted by the Center, holds the two radiosondes. The cylindrical one on the left is dropped by parachute and the other carried aloft by a balloon. (U.S. Air Force Photo)

Ent meteorologist plays school circuit

ENT AFB, Colo.—With the arrival of spring each year, local elementary school science teachers begin to study their environment. And when they begin to ask questions about weather, MSgt. Robert L. Helms, weather forecaster technician in the 4th Weather Wing's aerospace science division, is suddenly in great demand. He tells hundreds of local students all about mother nature's "weather" each year.

"I start traveling to local elementary schools in late February and early March each year," MSgt. Helms explained. "And through the use of films and some very portable pieces of weather equipment I strive to give the children logical, simple answers to why we have weather and how we in Air Weather Service go about analyzing and forecasting it."

He averages four presentations a month from March through May and is typical of many AWS weathermen who share their backgrounds and expertise in meteorology with the civilian and scientific communities.

Sergeant Helms was first assigned to Ent AFB in July 1965 and recently returned to Hq. 4th WWg., after a tour in Vietnam.

JTWC forecasts best ever in '70

ANDERSEN AFB, Guam—Forecast accuracy during the 1970 typhoon season was the best in the history of the Pacific Command Joint Typhoon Warning Center. Statistics proving this fact were revealed last month by Navy Capt. Richard C. Slusser, commanding officer, U. S. Fleet Weather Central, Guam.

This was disclosed in a letter that Captain Slusser had written to Lt. Col. Allen R. Weeks, commander of the 54th Weather Reconnaissance Squadron.

He said, "In particular your squadron carried the lion's share of the burden of investigative flights. The efforts of your crew which penetrated Typhoon Joan on Oct. 12, 1970, when she threatened U. S. military bases on Luzon were commendable."

"This crew penetrated Joan through turbulence so severe as to cause accelerations up to 2.5 G's and remained in the eye in excess of two hours. The data obtained on that flight contributed enormously to accurate forecasts."

The Naval officer went on in his praise of the 54th saying that the forecasts provided ample warning to permit preparations that significantly lessened the disastrous effects of Joan on the Republic of the Philippines and minimized the damage of U.S. bases at Clark AB, and the Naval installations at Sangle point and Subic Bay.

In a final comment to Lt. Col. Weeks, Captain Slusser said, "It is indeed a pleasure to work with dedicated 'Typhoon Chasers' of your squadron. They have maintained and enhanced the traditional superior, professional performance of the squadron in support of the tropical cyclone reconnaissance mission."



RUNNING TO KEEP IN SHAPE is what the aerobics program is all about. Here, Capt. Douglas Kibby, chief forecaster at Detachment 22, 30th Weather Squadron, runs in a marathon which he initiated at Phan Rang AB, Vietnam. (U. S. Air Force Photo)

Weatherman sounds off with symphony orchestra

POPE AFB, N.C.—First Lieutenant Robert W. Wilcox, weather officer with Detachment 20, 3rd Weather Squadron, here, has quite a unique musical talent. In fact he recently played the Mozart B-flat Bassoon Concerto with the Fayetteville, N.C., Symphony Orchestra.

A Westport, Conn., native, Lieutenant Wilcox began playing the bassoon in the ninth grade. He continued playing with several school and community groups and in 1962 and 1963 was selected for the All-Connecticut Band and Orchestra.

He also played with the University of Michigan orchestra and graduated from the school with a bachelor of science degree in meteorology and oceanography in 1968. He began work for his master of science degree in meteorology at the Massachusetts Institute of Technology, but decided to enter the Air Force in 1969.

His wife, Linda, is an oboist and is also active with the Fayetteville Symphony as well as being a member of the Fayetteville Woodwind Quintet.

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