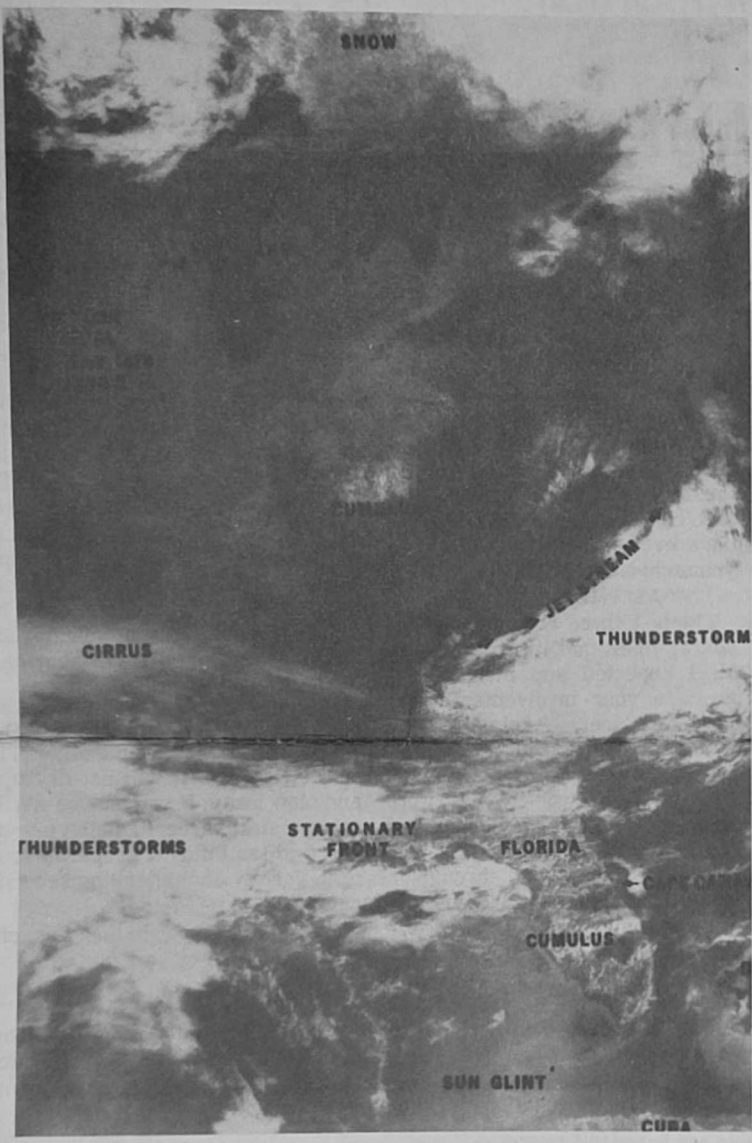


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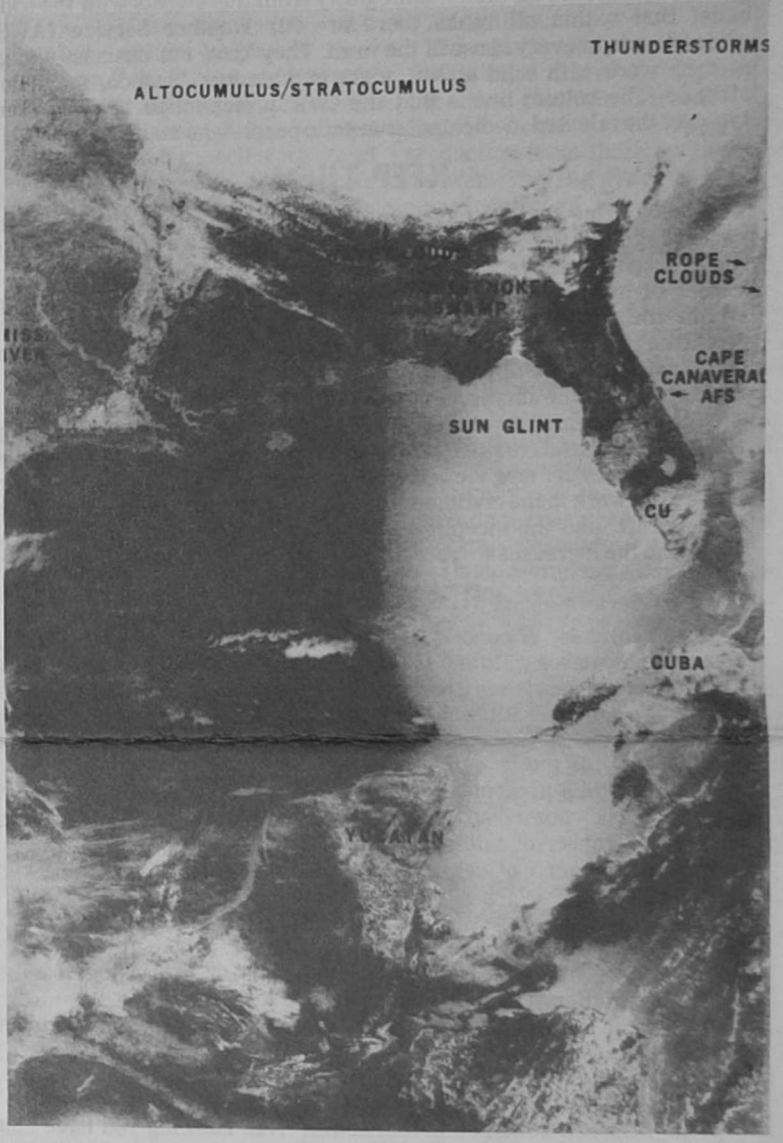
Inside:

- Command line 2
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- Feature (Det. 13, 15WS) . . . 5



RUSSIA'S METEOR SATELLITE has provided Det. 11, 2nd Weather Squadron, Patrick AFB, FL, photographs for the last several months via the Cape Canaveral (FL) Forecast Facility. The facility tracks and processes satellite data from the Russian Meteor meteorological satellite, which is in a near-polar orbit. It is similar to the National Weather Service's National Oceanic and Atmospheric Administration series satellites. Data received is automatic picture transmission (APT) type, transmitted at a frequency of 137.3MHz, and is processed on a standard Muirhead photo processor. In the July issue of the Bulletin of the American Meteorological Society, under "Notes and Correspondence," is an article which provides more information about the characteristics of the Russian system. The article is a joint effort by the Goddard Space Flight Center's (Greenbelt, MD) Capt. Bernard C. Diesen and AWS' 1st Lt. Donald L. Reinke, now with the 3rd Weather Wing, Offutt AFB, NE.

U.S. Air Force photos



Exercise Brave Shield 18

Weather men in 'unconventional warfare'

by
Col. John A. Samotis
1st Weather Squadron commander
FT. CARSON, CO — Colorado was blessed with beautiful summer weather during Exercise Brave Shield 18 (BS-18), a small-scale Joint Readiness exercise here from Aug. 1-18. The weather support force, made up of 50 highly professional people, had the chance to take a close look at several comparatively new weather support concepts which were used.

BS-18 was the first Joint Readiness exercise in which the friendly forces were almost entirely unconventional. Accordingly, the unconventional warfare weather support elements aggressively proved their ef-

fectiveness. Two-man weather teams infiltrated the maneuver area and transmitted critical observations back to the headquarters. In one case, a timely pibal from near a classified drop zone indicated an important resupply drop could be flown that otherwise would have been cancelled for previously forecast high winds. In another instance valuable intelligence information about the strategy and movement of "the enemy" was relayed.

AFGWC

Air Force Global Weather Central (AFGWC), Offutt AFB, NE, was the sole forecast producing agency during BS-18. Of the 63 mission control forecasts evaluated, all ceiling/visibility

forecasts were 100 percent within category — a record.

THE ACTION

The opposition ground forces were the scene of exciting action for weather team members during the exercise. Because the weather support element was physically located on the perimeter of their encampment, the weathermen regularly took part in security duties. These duties came after the met men were trained and provided equipment from the Fourth Infantry Division.

Col. Lawrence R. French, 5th Weather Wing (WW) vice commander, and Col. John A. Samotis, weather support force commander, visited the site — and dodged simulated bombs as low-

flying enemy aircraft flew overhead. The harassment kept up throughout the exercise and until heavy casualties were sustained and positions overrun.

INVOLVED

Majs. Bob Crowder, 5WW, Langley AFB, VA, and Terry Warner, Det. 10, 5th Weather Squadron (WS), Ft. Benning, GA, along with Capt. Larry Chun, Det. 3, 5WS, Ft. Bragg, NC; Rich Holden, Det. 75, 5WS, Hurlburt Fld., FL; Carl Nelson, 25WS, Bergstrom AFB, TX; Brad Eldridge, 1WS, MacDill AFB, FL; and Cory Chadwick, Det. 58, 5WS, Ft. Carson; held important staff weather officer positions during the exercise.

Other 5WS members of the

exercise weather force, each of whom was important to the success of BS-18, were TSgt. Martin Mindnich, SrA John Meadow and A1C Joseph Publiese, Det. 3, Ft. Bragg; Sgt. James W. Lingle and A1C Michael A. Jenkins, Det. 5, Ft. Knox, KY; A1C Howard G. Beach, Det. 21, Hunter AAF, GA; SSgt. Robert B. Brock, Sgt. Wyatt Preusch and A1Cs Ronald Pagitt and William F. Russell, Det. 58, Ft. Carson.

Every person taking part in BS-18 was part of a force whose every member made important contributions to once again provide outstanding weather support to a Joint Readiness exercise. (Some information contained in this story was provided from outside sources — editor.)

Command line

'We must examine our values'

I just completed a visit to the 2nd Weather Wing (2WW) units. I visited the Wing and squadron headquarters, the European Forecast Unit and units deployed in the field in support of the Army elements taking part in Reforger 78 as well. I came away from these visits with the solid belief that within all ranks there are Air Weather Service (AWS) professionals in every sense of the word. They know our business and go at their work with solid ability, vigor and a super "can-do, make-do" attitude. The bottom line is that the 2WW professionals are representative of the talented, dedicated, energetic people who make up AWS.

KEEP THEM

Recognizing that we have exceptional people, we must address the continuing need to retain that kind of person in the Air Force; a need to make sure our people are motivated toward, and are comfortable in a career of military service. As a corporate AWS, we must take steps within the Air Force system to make our work attractive and so rewarding in job satisfaction that first and second termers as well as our junior officers will want to stay on.

Let's examine this issue of military service.

Since the beginning of this decade there has been a concerted attempt (largely successful) to raise service members' pay to the point where pay and allowances are now viewed by many as comparable to wages earned for similar work in the civilian sector. We must recognize that the demise of the draft, and the inception of the all volunteer force were directly related to the increases we received in pay and allowances.

REAL CONCERN

The real issue of concern is this: over the last several years many people began to see military service simply as a job—an occupation. To them, military service drifted away from being felt as a profession—a calling. We somehow allowed the motivational basis for military service to shift from "duty, honor and country" to something resembling, "what's in it for me."

I've thought a great deal about this and I wish each of you would do the same. Ask yourselves what inspired some of us, and may inspire others, to a career of military service.

- * Is it the spirit of commitment—being a part of something very important?
- * Is it a basic sense of patriotism?
- * Is it a willingness to share hardship, danger, privation?
- * Is it the intense camaraderie that goes with working together toward a common purpose?
- * Is it the inherent integrity that marks all our associations in the military?
- * Is it the sense of belonging to a proud organization with a distinguished heritage?
- * Is it the self satisfaction that comes from knowing you have done something meaningful for your country, and have contributed in some measure to keeping our people alive and free?

I think I know your answer, as well as I know mine—it is "all of the above."

You bet it is more than an occupation—more than just a job. Military service is public service in its highest form. We have been given the responsibility of preserving the national security, an obligation not normally shared by any other segment of our society. It means doing for society what all of society could not do for itself—keep it free! Each of you shares a piece of that action!

OUR PEOPLE MUST KNOW

We must work together to be sure our people understand the contribution they make, are recognized for their achievements, and understand our strategy for their career progression and upward mobility. Only then can we expect them to feel motivated toward, and comfortable in a career in military service.

It is our individual and collective expertise, responsibility and sense of belonging which allows us to count ourselves among those in the most honored of professions. I believe we have something to offer—we need to recognize and articulate it. Your professional performance in all that you do indicates clearly to me that we can handle it!



Col. A. J. Kaehn Jr.
AWS commander



CMSgt H. Bock
AWS CMS

Enlisted line

Chief reflects; bids farewell

Unbelievable! It has been three years since my first "Enlisted line" and nearly 28 years since I first raised my hand to enter the Air Force. Where did the time go? More importantly, it has been well worth it, but now it is time to "hang it up."

During my career there were many challenges, ample successes and a few failures. The rewards, tangible and intangible, were more than adequate. There were many good times and some tough times—but that is the way careers are. What is important is how we feel when it's all over. For me, if I had it all to do over, I'd do it the same way—Air Force and Air Weather Service.

HOTEST ITEM

Do you know what the number one "biggie" was? You! The people of AWS.

No group, in any service, can match the AWS enlisted corps. For much of the last 10 years I've been in a position to see and evaluate. What I saw was that you've worked harder; done more and done it better—especially in the last three years.

From slick sleeve to chief, you people worked around shortfalls,

overcome obstacles, taken on more responsibility and made tough programs work. You have made believers out of skeptics, broken down barriers and provided guidelines for the future. Your successes led to increased opportunities for NCOs and airmen, not only in AWS, but throughout the military. More opportunities and challenges will follow. You have every right to be proud of your achievements, I certainly am.

AS THE AWS/CMS

The last three years were busy years; years that turned out to be all I expected and more. I appreciate your involvement, your support, your frankness and openness—even your criticism. The best times were when I could help you. The worst times were when I wanted to help you and couldn't.

Together we went through a challenging part of AWS history. We won some and lost some. There are still some standoffs my successor will have to attack, but if you support him or her as you supported me, you'll keep a commendable win-loss average.

I leave you now with one final thought; one last challenge: when

making decisions, consider ALL factors.

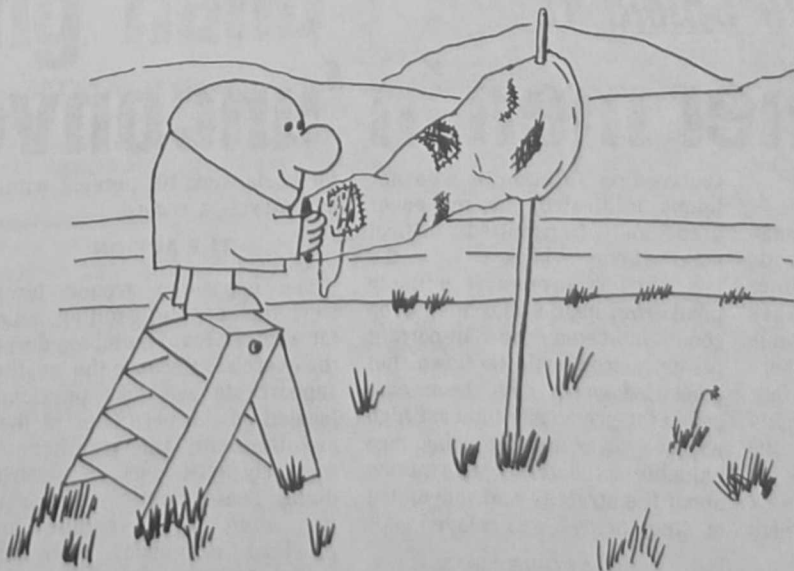
Many of you are making or rethinking decisions about the Air Force as a career. You may feel a tendency to dwell on the negative—reduced budgets and manpower, loss of and threats to benefits, etc. If you do, you will find it is easy to ignore the positive things. All careers have peaks and valleys. Don't get so hung up on negatives that you ignore the positives of an Air Force career. If you do, you do yourself, your loved ones and your country a disservice.

Threats will subside and the Air Force will still be a career well worth considering. Above all, don't sell AWS short. It will not dry up and blow away. If you choose AWS as your first career, I believe you will find (as I did) it prepares you for a variety of challenging second careers.

Goodbye and good luck to each and every one of you.

It's been great!

(Editor's note: Nominations for CMSgt. Howard Bock's successor as AWS/CMS are now being considered.)



"The first weather maintenance"

(By A1C Glen Madigan,
as provided by the AFCS
INTERCOM)

Col. A. J. Kaehn Jr.
Commander
David F. Barr
Editor

The Air Weather Service OBSERVER is an official Class IIIA Air Force newspaper published monthly for personnel of the worldwide 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. Material which appears herein may be reprinted without

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Suggestions earn dollars for met men

OFFUTT AFB, NE—Three weather people made suggestions, which earned them money, which might be usable at other weather organizations.

SOLVENT SAFETY

Capt. Edward D. Priselac received \$25 for suggesting that a hand pump be used to transfer cleaning fluid from its original five-gallon container to bottles to be used.

RUBBER MATS SAFER

A1C Grant B. Adler received \$40 for suggesting that rugs in a doorway be replaced by rubber matting, thus eliminating a potential for tripping and easier upkeep.

COMPUTER PAPER FOR REPRODUCTION

Fifty dollars went to Sgt. James E. Hecht, who suggested that previously discarded computer paper be used for reproduction purposes.

Det. program passes schedule

LITTLE ROCK AFB, AR—The Det. 20, 7th Weather Wing, station chief program began here six months ahead of schedule.

According to Maj. Richard A. Rasmussen, unit commander, "The program was implemented on July 1, with five weather teams. Each of the five is headed by a base weather team supervisor. The supervisors will be managed by MSgt. Price J. Oswald, chief of base weather station operations.

1505 Uniform no longer worn

The last day to officially wear the 1505 tan uniform, otherwise known as combination 4a was Sept. 30. The tan short-sleeve uniform has now passed into history.

Personal shorts

Did you know:

* That Servicemen's Group Life Insurance (SGLI) is a super deal? It costs \$3 a month for \$20,000 coverage. Upon your retirement SGLI may be converted to five-year term insurance costing slightly more than \$6 a month.

* Motorcycle deaths reached record numbers after repeal of helmet-use laws? Colorado had a 40 percent reduction in helmet use and a 260 percent severe head injury increase as well as a 57 percent fatality increase from accidents.

* The House approved subsidizing school lunches for military children in overseas dependent schools?

* The House approved legislation to provide three (government paid) round-trip visits home per year for military dependents living at Defense Department dependent schools seven days a week?

* The recent revision of the selective reenlistment bonus (SRB) skill did not affect AWS people? Zone A, first-term SRB for 251XO is still multiple two; Zone B, second-term remains multiple one.

* Past and future graduates of the 22AF NCO Leadership School (Little Rock AFB, AR) are now eligible for management credits through the Community College of the Air Force?

* Congress extended retirees' right to qualify for state unemployment compensation through March 1980? The House asked extension through May, 1981.



'A DAY TO REMEMBER' is how Sgt. and Mrs. Glen Myers of Det. 22, 26th Weather Squadron, Carswell AFB, TX, described a recent visit to their base by President Jimmy Carter. As the President made his way from Air Force One to the waiting crowd he walked directly over to the Myers Family, which included daughters Trena and Lisa. Once there, Mr. Carter stooped over and then pulled little Lisa into his arms for a hug and a kiss. Next, he turned to Sergeant Myers, exchanged greetings and returned Lisa to her parents. For the Myers Family, indeed, it was 'a day to remember.' (U.S. Air Force photo)

The following letter, from Sgt. Leslie J. North, is printed without change. Earlier the writer was asked to write how it felt to enter the forecaster school, what it was like in it, and what the writer saw in the future now that the school had been completed. This is the response

I heard terrible rumors about forecasters school; mostly concerning the math. I hate mathematics! However, I really wanted to go, as my father was a forecaster, and I sure did want to

follow in his footsteps. I had always been a successful student and believed that I was up to the challenge.

Yes, it most certainly was tough! But I liked it. My standard reaction to math has always been "I can't." I discovered that I could, although, by no means was I good at it. I passed, and I'm rather proud of myself for it. In fact, the more pressure applied by the school, the more determined I became to make it. Then, it was finished, and

on to bigger, and hopefully, better things.

My orders were back to Carswell AFB, TX, where I had been an observer for so long. I had some mixed emotions; it would be difficult to start at the bottom again, as a trainee. However, they were all so helpful and encouraging, and I was so very glad to be "home." Familiar faces and familiar weather patterns helped me settle right in for two really wonderful years.

Now I'm a newcomer to Ger-

Weather whys???

"Weather whys???" is a regular feature of the AWS OBSERVER. Questions come from readers and answers from the AWS commander and his staff. If you have a question, send it to: Commander, Air Weather Service; Scott AFB, IL 62225. Although all questions will be answered, space limitations preclude printing all of them in the OBSERVER. Editor's note: In response to reader requests for a "Hot Line" in the OBSERVER, as submitted several times during the recent reader survey, the "Weather whys???" column IS the OBSERVER's "Hot Line."

Q. What is the status of the recommendation to make in-residence completion of a command NCO Academy a prerequisite for attending the Air Force (AF) Senior NCO Academy?

A. The recommendation was disapproved at a recent AF professional military education conference.

Q. In the July OBSERVER you said action was being taken to delete the 750, Army Support, special experience identifier (SEI). What is the status of the action?

A. The 750 SEI is no more. It should be removed from personnel records.

Q. My E-8 board score decreased last cycle even though I improved my records. Other E-8 and E-9 competitors noted the same decrease. Please explain how that happened.

A. While it seems logical to expect that improved records would result in improved board scores, such is not always the case. Each cycle new people become eligible and others phase out due to being selected for promotion, retirement, specialty changes, etc. Many people improve their records during the year. Additionally, there are different boards each year which, although evaluating the same items, may have different priorities and concepts. You can expect all of these (and other factors too) to result in board score variations from cycle to cycle. You must bear in mind that board scores are only meaningful in relation to scores of other NCOs in the same specialty—evaluated by the same board. Tracking your changes in standing among nonselectees might be more meaningful than for you to key only on the board score.

Q. Has the change in AWS command resulted in any change in policy regarding retraining and application for special duty assignments outside AWS?

A. There is no change in AF or AWS policy. Retraining remains a function of career field balance within specific year groups. The AWS commander continues to personally evaluate each retraining application and, as functional manager for the 251XO and 252X1 career fields, make recommendations to AF. The needs of AWS and AF remain primary considerations. Applications for special duty assignments outside AWS are still evaluated on an individual, merit basis as they are in all career fields. For your information, there is presently a dire need for instructors in the MAC NCO Academy system.

Q. Where do we stand on getting authority to wear the AWS patch on utility uniforms?

A. Approval was received from MAC last month. Details were provided to all units by AWS/CMS message, "Wear of AWS Emblem on Utility Uniform," dated 121830Z Sep 78.

Apt. trivia

Have you heard these? "Mann's Law: No matter what happens, there is someone who knew it would."

"Finagle's Second Law: Once a job is fouled up, anything done to improve it only makes it worse."

"Zumwalt's First Law: The probability of failure is directly proportional to the number and importance of the people watching."

Sgt. Leslie J. North sounds off about forecaster school

many and it is a whole new ball game. I didn't volunteer, and I really didn't want the assignment, but now that I'm here, it doesn't look so bad. The job is different, and perhaps I needed a change. The weather isn't so terrific, but the country is beautiful and I hope to do some traveling while I'm here.

I love my job and I must thank the terrific staff and instructors of the school for helping me get here. Most of all, I have my fellow students to thank. It wasn't "I"

who succeeded, but "we." We pushed, pulled and persuaded each other through all of those months. I believe that we all learned a great deal about what "team work" really means. They were all outstanding and I was sad to leave. I wouldn't trade the learning, the experience or the memories of forecasters school for anything!

Leslie J. North



AIRCRAFT INSPECTION is not overlooked at Det. 21, 7th Weather Wing, Pope AFB, NC. SrA Tim Pierce, assisted by A1C George Statler (below) looks

over a C-130 Hercules he built. It is but one of 37 aircraft in the unit's "Air Force." (U.S. Air Force photo)

'Marston's Managerie'

Met unit has 'own Air Force'

POPE AFB, NC—When he became commander of Det. 21, 7th Weather Wing, here, Capt. Edwin W. Marston didn't know of the unit's "special mission." Although Det. 21 primarily supports Pope AFB's 317th Tactical Airlift Wing, which works closely with the 82nd Airborne Division at Nearby Ft. Bragg, weather also concerns another Air Force.

The other Air Force is made up

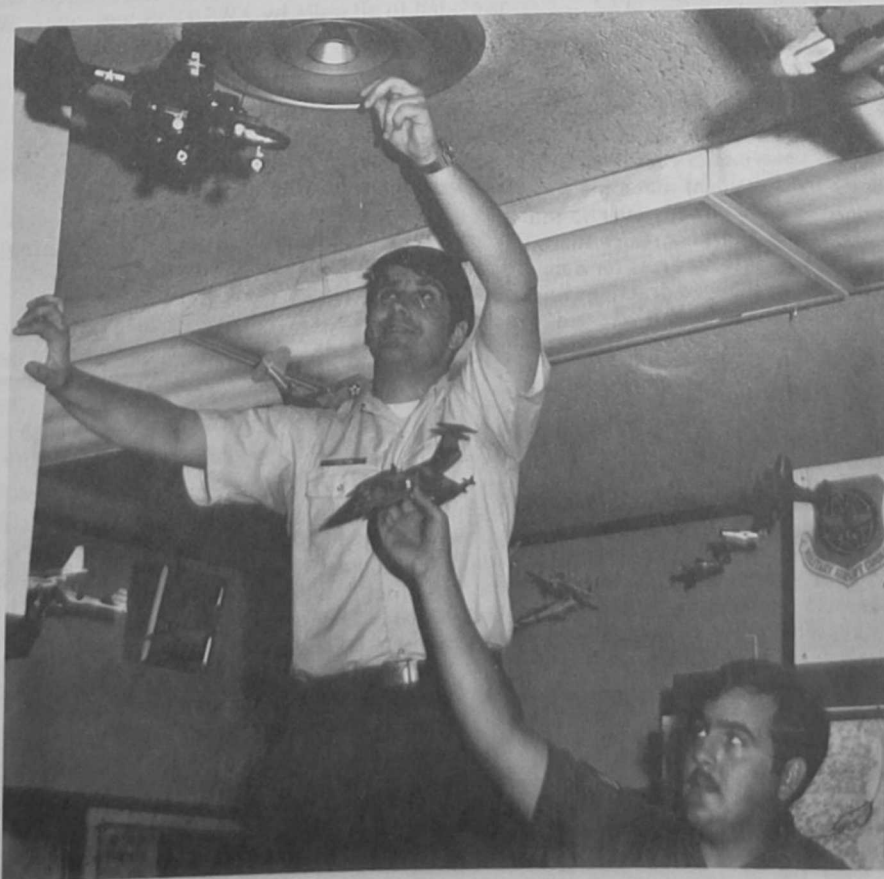
of diverse aircraft ranging from World War II fighters and bombers to present-day, first-line fighters, bombers, transports and other military aircraft.

With its present strength at 37, the other Air Force, "Marston's Managerie" is the result of more than a year's work by three observers, SrA Tim Pierce, A1C George Statler and SrA Les Lane; and a former unit forecaster, Sgt.

Gene Loftin, who now serves Castle AFB, CA. The other Air Force is made up of model aircraft, most of which are reproduced in 1/48 scale, but range in size from 1/24 to 1/144.

As the unit's Air Force continues to grow, visitors feel the enthusiasm of the builders—which leads to more planes—which leads to more visitors—which leads . . .

WITH A HELPING hand from SrA Leslie Lane, Sgt. Gene Loftin "parks" (hangs) an F-104 from the unit ceiling at Det. 21, 7th Weather Wing, Pope AFB, NC. A P-61 Night Fighter hangs in the left foreground. (U.S. Air Force photo)



Observations

Small \$ hike national example

WASHDC (AFNS)—The 5.5 percent pay raise proposed by President Carter will include weather people among the 2.1 million service members and 1.4 million Federal civilian employees it will affect.

For military people, the increase will apply equally to basic pay and quarters and subsistence allowance. Determination of the overall pay increase can be made by multiplying basic pay and allowances by 5.5 percent each—then total the three figures.

The House of Representatives or the Senate can override the 5.5 per cent rate by adopting a disapproval resolution. If either house adopts such a resolution, an 8.4 percent pay adjustment would become effective Oct. 1.

The President told Congress he proposed the 5.5 percent limit to allow ". . . the Federal Government to set an example for labor and industry and lead the fight against inflation by example. . ."

The annual pay adjustment does not apply to Federal bluecollar workers or postal service employees whose pay rates are determined under different systems.

USPS sets holiday mail dates

WASHDC (AFNS)—Air Weather Service people, according to U.S. Postal Service officials, should mail Christmas materials overseas on or before these dates:

Destination	Space Available		Parcel Airlift	Letters
	Surface	(SAM)	(PAL)	
Africa	Nov. 10	Nov. 11	Nov. 18	Dec. 9
Alaska	Dec. 1	Dec. 2	Dec. 9	Dec. 16
Hawaii	Dec. 1	—	—	Dec. 16
Australia	Oct. 28	Nov. 11	Nov. 18	Dec. 2
Caribbean/ W. Indies	Nov. 13	Nov. 22	Nov. 30	Dec. 14
Central/South America	Nov. 10	Nov. 11	Nov. 18	Dec. 2
Europe	Nov. 10	Nov. 21	Nov. 29	Dec. 12
Far East	Oct. 28	Nov. 21	Nov. 28	Dec. 12
Greenland	Nov. 25	Nov. 25	Dec. 1	Dec. 9
Iceland	Nov. 22	Nov. 22	Nov. 30	Dec. 14
Mid East	Nov. 1	Nov. 1	Nov. 8	Dec. 5
South East/ Asia	Oct. 28	Nov. 10	Nov. 18	Dec. 2

Hill approves new CS system

WASHDC (FNCS) — President Carter's plan to reorganize the U.S. Civil Service Commission (CSC) and to consolidate Federal labor-relations functions into a single agency gained Congressional approval Aug. 11.

The reorganization replaces the present CSC with two agencies, separating its inherent conflicting responsibilities.

The new Office of Personnel Management (OPM) will carry out the Government's personnel management responsibilities and advise the President on personnel policy matters.

The Merit Systems Protection Board (MSPB) will be an independent agency responsible to safeguard merit systems against partisan political and other abuse, and protect employee rights within those systems.

The plan also creates the Federal Labor Relations Authority to replace the Federal Labor Relations Council and other organizational components of the Government's labor-relations program. This will bring now-scattered elements into one independent and neutral body with full-time responsibility for administering this program.

At a White House press briefing, Chairman Alan K. Campbell of the CSC said the plan "will enable the President to dissolve the outdated CSC (and replace it with) a single-purpose, single-headed OPM to set tough and progressive performance standards for all Federal employees."

Referring to the three-member MSPB and Special Council, he stressed they will be "truly independent of political control to protect employee rights and block political abuse of the merit system."

Administration officials consider the reorganization a necessary companion to civil service reform measures now before Congress. The President has called the proposals the "centerpiece of government reorganization" during his term in office.

The cost of replacing the CSC with three new agencies will be paid from presently budgeted funds.

Robins AFB, GA's Det. 13, 15WS

Small unit 'professional in every sense'

by

SrA Mark Barnette

Det. 13, 15th Weather Squadron
ROBINS AFB, GA — The weather station at Robins AFB is a small unit that performs a very large service.

The 21 people of Det. 13, 15th Weather Squadron, like many other similar units in the Air Force's Air Weather Service, are on duty around the clock.

They disseminate weather observations, produce local area forecasts and brief pilots on present and expected weather conditions.

Of the unit's people, nine are observers; 10 forecasters; and the remaining two, Maj. Alexander Finta is the commander and Kathy Carithers handles the secretarial job.

Three of the forecasters work with specific organizations. They are: Capt. Robert Baker and 2nd Lt. Larry Key, the unit's Strategic Air Command (SAC) wing weather officers; and Lee Dixon, a civilian employe in charge of the daily weather briefing at Headquarters, Air Force Reserve.

During inclement weather the unit's observers take as many observations as needed to keep pilots abreast of changing conditions while forecasters brief pilots of the 19th Bomb Wing, Warner Robins Logistics Center's flight test branch and the ac-

celerated copilot enrichment program. Each has specific weather information needs to complete their individual missions.

For SAC, the forecasters must prepare charts covering an area from the eastern U.S. to the Ural Mountains of the Soviet Union. These charts contain such information as upper level winds, thunderstorms, icing and turbulence.

Occasionally, such as a recent SAC operational readiness inspection, Captain Baker or Lieutenant Key go to the command post to take part in preflight briefings.

Also, when pilots return from flights, Captain Baker goes back to the command post to debrief them concerning what weather they encountered.

Another unit receiving support from Det. 13 is flight test. Its pilots, in the words of Lt. Col. Billy Cherry, "check the airworthiness of each C-141, C-130 and F-15 which comes here to be repaired or modified. Because each flight is made to test a plane and certify it for duty, very specific weather restrictions have to apply." Weather's input to us is three-fold. First, each morning we receive a general outlook for the next 48 hours; second, we get hourly observations of existing weather; and third, each crew is briefed by the forecaster before taking off."



CLOSED CIRCUIT TELEVISION plays a major role in providing weather briefings to the Air Force Reserve Command Post, Strategic Air Command

post and SAC Alert Facility on Robins AFB. Here Lee Dixon, Det. 13, 15th Weather Squadron, provides one of those briefings.

When asked what he thought of the weather support he gets, Colonel Cherry said, "I find them to be professional in every sense of the word. We have an excellent rapport with them."

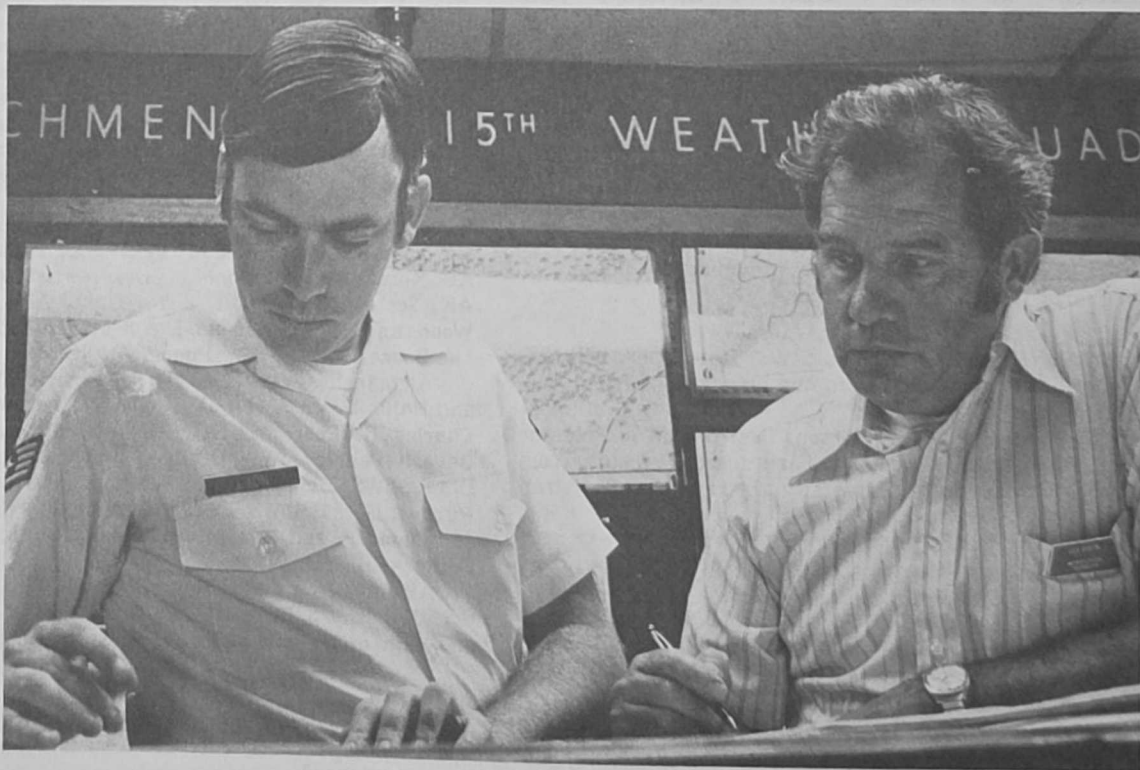
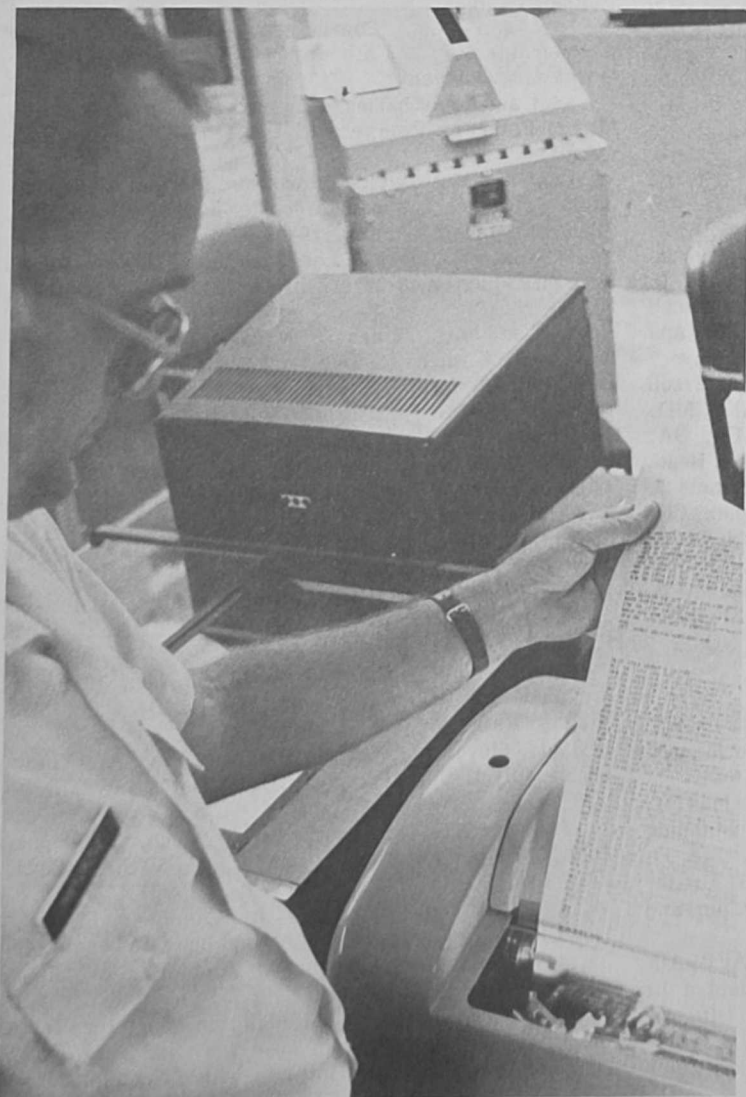
In all, Robins AFB's forecasters brief approximately 700 flights each month.

These 21 people of Det. 13 are constantly striving to keep local pilots more fully informed on

weather which could affect their missions.

The pilots, quite literally, could not do without them.

(Courtesy: ROBINS REV-UP)



STUDY of the local weather situation, such as SSgt. Tom Lyon and Lee Dixon, both of Det. 13, 15th Weather Squadron, are doing, is an unending process at Robins AFB, GA.

* * * * *

TO LEARN THE WEATHER IN LITTLE ROCK MSgt. Isiah E. Hargrove reviews the observations received from civilian weather stations belonging to the National Weather Service. Sergeant Hargrove is a member of Det. 13, 15th Weather Squadron, Robins AFB, GA.

U.S. Air Force photos by Sgt. Walt White

AWS salutes . . .

Unit abbreviations used in this column are: AWS—Air Weather Service Headquarters; OL—operating location; WS—weather squadron; WW—weather wing; AFGWC—Air Force Global Weather Central; and USAFETAC—Environmental Technical Applications Center.

MEDALS

Meritorious Service Medal: (Two oak leaf clusters (OLC): CMSgt. Harry J. Kohler Jr., AWS. (OLC): Lt. Cols. Allen R. Colburn, Montie R. Keller and Glen A. Michael, Maj. Patrick J. O'Reilly and SMSgts. Donald K. Fry and Bertram R. Grigsby, AFGWC; Lt. Col. Dan K. Waylett and Maj. Harry G. Martin, 2WS, Kapaun, Germany. (Basic): Maj. Frank H. Wells and James E. Hansen, AFGWC; Capt. William C. Smith, Det. 1, 2WS, WPAFB, OH; Capt. Thomas E. Accola, OL—E, 7WS Goeppingen, Germany; Capt. Jerry O. McDuffie, Det. 22, 24WS, Keesler AFB, MS; and Lt. Col. William B. Wright and Maj. Peter F. Abt, AWS.

Air Medal: Capt. Bruce A. Rasmussen and TSgt. Sidney W. Blush, Det. 4, AWS, Andersen AFB, Guam.

Air Force Commendation Medal: (Three OLC): MSgt. Charles L. Springer, Det. 20, 26WS, Barksdale AFB, LA; and Capt. Larry R. Hays, Det. 1, 12WS, Cheyenne Mountain Complex, CO.

(Two OLC): MSgt. Ken N. May, Det. 21, 9WS, Minot AFB, ND; and SSgt. Desmond E. Sporbert, Det. 15, 9WS, Grand Forks AFB, ND. (OLC): TSgt. Thomas C. Cannon, Det. 4, 31WS, RAF Bentwaters, UK; SSgt. Walter L. Arnold Jr., Det. 4, AWS, Andersen AFB, Guam; SMSgt. Frederic R. Roger, MSgt. Edward V. Engquist and SSgt. Michael A. McBride, AFGWC; and Capt. Thomas B. Rees, Det. 1, 12WS, Cheyenne Mountain Complex, CO. (Basic): SrA George L. Cline, OL—C, 7WS, Bad Toelz, Germany; SrA Robert A. Bruce, OL—A Det. 12, 8WS, Bad Krueznach, Germany; SSgt. Walter L. Arnold Jr., Det. 4, AWS, Andersen AFB, Guam; Sgt. David W. Goe, AFGWC; and SSgt. Michael F. Howell, Det. 20, 7WW, Little Rock AFB, AR.

Army Commendation Medal: Capt. Frank J. Carvell, OL—C, 5WW, Ft. Monroe, VA.

Air Force Good Conduct Medal: SSgt. Andrew F. Gancarz and Sgt. Arthur J. Comeau, Det. 1, 7WS, Feucht, Germany; SrA Karlua G. McHargue, Det. 12, 7WS, Finthen, Germany; SrA Robert A. Bruce, OL—A, Det. 12, 7WS, Frankfurt, Germany; SrA Billy L. Roberts, Det. 2, 7WS, Hanau, Germany; SrA Gary T. Lawson, Det. 20, 7WW, Little Rock AFB, AR; and SrA Elizabeth A. Johndrow, Det. 15, 9WS, Grand Forks AFB, ND.

HONORS

Det. 28, 26WS, Wurtsmith AFB, MI, recently won the Eighth Air Force (SAC) Outstanding Weather Unit Award for the period Jan. 1 through June 30, 1978.

Det. 20, 7WW, Little Rock AFB, AR, was awarded a Red Cross plaque and certificate for providing 700 percent of its quarterly blood drive donations.

EDUCATION

Maj. Michael G. Olivier, 24WS, Randolph AFB, TX, received a masters degree in human relations from Webster College.

SSgt. Stephen W. Anderson, Det. 5, 12WS, Peterson AFB, CO, received a bachelor of arts degree in history from San Francisco State University through the Bootstrap Program.

As requested by the majority of readers during a recent AWS-wide poll of representative persons, the "service school" portion of the "EDUCATION" column will no longer print many of the mandatory or easily completed courses.

Service school graduates were:
NCO Academy: TSgt. William C. Schreffler.
NCO Leadership School: Sgt. Johnny J. Bratton, SSgt. Ludwik M. Chobot, and Sgt. Mark D. Mullenax.
Air Command and Staff College; Maj. Richard A. Rasmussen.
Community College of the Air Force: MSgt. Price J. Oswalds.
Station Chief School: MSgt. Richard D. Kreager.

UNIT HONORS

(Parentheses indicates unit providing the honor when other than the individual's organization)

Airman of the Quarter: SrA Rosanne Leverette, Det. 23, 7WW, Kirtland AFB, NM; SrA Kim A. Anderson, Det. 20, 31WS, Sembach AB, Germany (2WW); A1C Mary Jo L.

Bertrand, Det. 15, 30WS, Osan AB, Korea (Military Airlift Command—Pacific); and A1C Perry A. Haeberlein, USAFETAC.

NCO of the Quarter: Sgt. Michael A. Stevens, Det. 23, 7WW, Kirtland AFB, NM; SSgt. Virginia A. Gnip, 31WS, Rhein-Main AB, Germany (2WW); and SSgt. Anthony J. Baltz, USAFETAC.

Senior NCO of the Quarter: SMSgt. Jerry D. Farley, Det. 12, 7WS, Finthen, Germany.

Junior Officer of the Quarter: 1st Lt. Joseph P. Bassi, Det. 1, 12WS, Cheyenne Mountain Complex, CO (reportedly the first officer to win the base honor two times).

Forecaster of the Month: SSgt. Gerry K. Hobart, Det. 10, 25WS, Bergstrom AFB, TX.

PROMOTIONS

Major: Earl C. Bogard Jr., Det. 15, 9WS, Grand Forks AFB, ND.

Captain: David A. Grimm and Gary L. Sickler, Det. 805, AFROTC, Texas A&M University—Air Force Institute of Technology students and weather men; Minnis Mansur, Det. 28, 26WS, Wurtsmith AFB, MI; and David E. Howell, Det. 20, 7WW, Little Rock AFB, AR.

First lieutenant: Jeffrey R. Hardcastle, Det. 10, 25WS, Wurtsmith AFB, MI; and George A. Whicker, Det. 15, 25WS, Luke AFB, AZ.

Senior master sergeant: Robert F. Walker, Det. 12, 7WW, Richards-Gebaur AFB, MO.

Master sergeant: Jack L. Green, Det. 15, 25WS, Luke AFB, AZ; and Richard D. Kreager, Det. 12, 7WW, Richards-Gebaur AFB, MO.

Technical sergeant: Reinaldo Alers, Det. 25, 5WW, Howard AFB, CZ; and Jackson E. Smith, Det. 12, 7WW, Richards-Gebaur AFB, MO.

Staff sergeant: Frank M. Loudon II and Walter D. Wilkerson, Det. 4, 31WS, RAF Bentwaters, UK; and Patrick K. Rugg, Det. 15, 25WS, Luke AFB, AZ.

Sergeant: Henry L. Compter (reported to have been selected for E-5 even before sewing on sergeant stripes) and Terry F. Griffin, Det. 6, 12WS, Peterson AFB, CO; Craig L. Schroeder, Det. 1, 7WW, Andrews AFB, MD; Michael M. Hernandez, Det. 1, 24 WS, Randolph AFB, TX; Carl A. Ashford and Robert A. Schmidt, Det. 3, 7WS, Heidelberg, Germany; Vandora A. Barnes, 3WW, Offutt AFB, NE; Robert A. Mitchell, Det. 25, 5WW, Howard AFB, CZ; Michael R. Ross, Det. 22, 24WS, Keesler AFB, MS; Suzanne K. Wesselman, Det. 2, 11WS, Eielson AFB, AK; and Eddie D. Barker, Det. 21, 7WW, Pope AFB, NC.

Senior airman: Mary E. Stroup and Peter L. Johnson, Det. 1, 7WW, Andrews AFB, MD; Christian W. Sturm, 3WW, Offutt AFB, NE; Daniel A. Citarella, Det. 3, 7WS, Heidelberg, Germany; Jeffrey L. Jablonski, Det. 25, 5WW, Howard AFB, CZ; John C. Tichacek, Det. 10, 30WS, Kunsan AB, Korea; Terry J. Sonnier, Det. 2, 11WS, Eielson AFB, AK; Scot M. Hill, Det. 1, 15WS, Tinker AFB, OK; Donell Woods and Boyd L. Bermel, Det. 8, 5WS, Ft. Riley, KS; and Lee Bruce, Det. 21, 7WW, Pope AFB, NC.

Airman first class: Wayne L. Miller, Peter A. Ercoli and Hollis L. McDowell, Det. 1, 7WW, Andrews AFB, MD; Charles H. Poor Jr., Det. 23, 3WS, Moody AFB, GA; Beverly Padrick, 3WW, Offutt AFB, NE; Kathryn J. Head, Det. 8, 5WS, Ft. Riley, KS; Jeff S. Young and Dennis A. Rucker, Det. 1, 12WS, Cheyenne Mountain Complex, CO; and David P. and Rita M. Anderson, Det. 15, 9WS, Grand Forks AFB, ND.

Airman: Kristine K. Towns, Det. 23, 3WS, Moody AFB, GA; Catherine S. Brun, Det. 28, 26WS, Wurtsmith AFB, MI; and Ramona D. Hendon, Det. 21, 7WW, Pope AFB, NC.

CIVILIAN HONORS

Betty J. Allen, a clerical assistant with Det. 1, 2WS, WPAFB, OH, recently received a sustained superior performance award.

Sylvia F. DeBose, Dorothy Coffin and John C. Hostetler, 12WS, Peterson AFB, CO, received outstanding performance awards.

Carolyn R. Scales, Det. 22, 24WS, Keesler AFB, MS, for completed federal service, received a 10-year pin and certificate.

Ernest P. Filippo, Det. 20, 7WW, Little Rock AFB, AR, technical advisor, was recently sworn in as president of the Central Arkansas Chapter of the Retired Officers' Association.

Mary Jane C. Holtgrave, AWS, received a quality step increase.

COMMAND ASSIGNMENTS

Capt. Edwin W. Marston now commands Det. 21, 7WW, Pope AFB, NC.

SMSgt. Alfred W. Griffis now commands Det. 4, 7WS, Schwaebisch Hall, Germany.

Capt. Douglas A. Eza now commands Det. 11, 31WS, Spangdahlem AB, Germany.

Col. Robert J. Fox now commands USAFETAC.

Lt. Col. Richard A. Brown now commands the 31WS, Rhein-Main AB, Germany.

MARRIAGES

SrA Darryl K. Roth and Jamie M. Adams were married to each other, May 30. Both are members of Det. 2, 7WS, Hanau, Germany.

Sgts. Paul J. Angel and Laura Serva were married to each other, May 26. Both are members of Det. 12, 7WS, Finthen, Germany.

A1C Frances J. Ferro Jr., Det. 9, 5WS, Ft. Rucker, AL, married Rebecca McKee of Enterprise, AL, June 11.

SrA Floyd Dalton Jr., Det. 9, 5WS, Ft. Rucker, AL, married DaLynn K. Glomski, May 26, in Alpena, MI.

TSgt. Gerhard J. Kuepers, Det. 14, 5WS, Ft. Hood, TX, married Jeanette Carter, June 2.

A1C William T. Seymore, Det. 14, 5WS, Ft. Hood, TX, married Diane Saglinbene, June 10.

2nd Lt. William Sjoberg, Det. 15, 9WS, Grand Forks, AFB, ND, married Deborah Charron, Aug. 5.

SrA Robert A. Cassarly, Det. 15, 15WS, WPAFB, OH, married A1C Vickie Maerker, of a base unit, July 22.

A1C Jeffrey W. Keller, Det. 23, 3WS, Moody AFB, GA, married SrA Gwen S. Farrell, of a Castle AFB, CA, unit, July 22.

Sgt. Robert A. Mitchell, a weather observer with Det. 25, 5WW, Howard AFB, CZ, married Dania Raquel Diaz, July 15.

SSgt. Timothy A. Sheldon, Det. 15, 9WS, Grand Forks AFB, ND, married Elizabeth A. Shilling, July 22.

BIRTHS

1st Lt. and Mrs. Gregory J. Donovan, daughter, Sara, May 3. Father a forecaster with Det. 12, 7WS, Finthen, Germany.

Sgt. and Mrs. Charles W. Duncan, daughter, Michaelanne, May 15. Father an observer with OL-D, 7WS, Pirmasens, Germany.

SSgt. and Mrs. Charles E. Chance, son, James Michael, May 24. Father an observer with Det. 7, 7WS, Grafenwoehr, Germany.

Capt. and Mrs. David J. Pace, son, Morgan Alexander, June 15. Father a space forecaster with Det. 1, 12WS, Cheyenne Mountain Complex, CO.

SrA and Mrs. Leslie D. Lane, daughter, Shannon Rene', June 24. Father an observer with Det. 21, 7WW, Pope AFB, NC.

Sgt. and Mrs. James D. Waddell, daughter, Brandy Ann, July 1. Father with Det. 11, 25WS, Cannon AFB, NM.

SSgt. and Mrs. David A. Smith, daughter, Threase Michael, July 13. Father an administrator with Det. 9, 7WW, Scott AFB, IL.

SSgt. Dennis J. and SrA Donna G. Francis, daughter, Michelle Lynn, July 15. Parents are observers with Det. 32, 3WS, MacDill AFB, FL.

Sgt. and Mrs. John P. Libby, son, Jon Bartholomew, July 16. Father with USAFETAC.

Sgt. and Mrs. Robert Trotter, daughter, name not provided, July 17. Father an observer with Det. 27, 12WS, Hancock Fld., NY.

SSgt. and Mrs. Theodore R. Martin, son, name not provided, July 21. Father with OL-D, Det. 27, 12WS, Niagara Falls, NY.

Sgts. Steven and Frenda Blakney, daughter, Tiffany Nicole, July 23. Parents are with OL-D, Det. 3, 12WS, Fargo, ND.

SrA and Mrs. Jeffrey T. Bernard, son, Christopher, July 24. Father an observer with Det. 6, 5WS, Ft. Lewis, WA.

A climatology instructor in Chanute AFB, IL's Department of Weather Training and his wife became the parents of a daughter. They are Mr. and Mrs. Steve Sipple, daughter, Carrie Linn, July 27.

Sgts. Edward and Rhonda Johnson, daughter, Teresa Jean, Aug. 5. Mother is an observer with Det. 7, 3WS, Langley AFB, VA, and the father is with a base unit.

(Continued on next page)

A lesson from history

'Argument' defeats weather, Nazis

by John Fuller
AWS Historian

"Operation Argument" was the code name given to a plan to gain air superiority over Europe during World War II through the bombing of facilities which produced German aircraft and aircraft parts. Despite foul weather, the Allies decided to try to bomb the targets. To pick the best possible time, Lt. Cols. Irving P. Krick and Benjamin G. Holzman poured over 40 years of weather records pertaining to the area. They were trying to identify the best possible time for the bombing—based on the past.

On Feb. 17, 1944, Colonel Krick briefed Lt. Gen. Carl Spaatz, U.S. Strategic Air Forces in Europe (USSTAF) commander, that a prolonged period of visual bombing weather would begin about the twentieth. Launch preparations were made as weather conditions over the next 48 hours seemed to bear out the forecast.

By Feb. 19, two extensive high

pressure areas, one over the Baltic Sea and one just west of Ireland, developed in a way that made good weather over central Europe as well as over the home bases seem probable. If the Baltic high moved southeast, as Col. Donald N. Yates' USSTAF forecasters anticipated, the resulting winds would break up the low clouds and leave clear skies, or at worst, scattered clouds. However, forecasters at the 18th and 21st Weather Squadrons, who supported the Eighth and Ninth Air Forces, respectively, disagreed with Colonel Yates' forecasters, which led to lengthy discussions at that day's telephone weather conferences. In view of the probability of good weather evolving, a forecast that the clouds over Germany would break up to four-tenths coverage or less by noon on Feb. 20 was given. That night the Royal Air Force (RAF) bombed Leipzig—through a solid overcast and severe icing.

Prospects for visual bombing the next day seemed slim. Fear was expressed that icing conditions would hamper the efficiency of

Allied fighter aircraft, but General Spaatz believed Operation Argument should launch without fighter protection if necessary. Early in the morning of the 20th, a single reconnaissance aircraft, returning from a mission northeast of Leipzig, reported breaks in the clouds. The bombers were given a "go."

The force assembled for Argument, 16 combat wings of heavy bombers numbering more than 1,000 planes, were dispatched, escorted by 17 Army Air Force (AAF) groups supplemented by planes from 16 RAF fighter squadrons.

Weather over eastern England was bleak and cold; heavy clouds hung over much of the land and snow sprinkled most runways. The bombers broke through the clouds at about 7,000 feet. With but occasional breaks in the 7,000-foot overcast over the North Sea, above them was a sunny sky which was calm and cloudless. As the bomber forced moved over the continent the overcast began to break and over Leipzig and other targets, the

ground could be seen. Most of the B-17 Flying Fortresses and B-24s dropped their bombs visually, with good results.

Feb. 20 began six days of daylight strategic bombing that came to be known as the "Big Week." More than 700 AAF bombers struck targets in Germany on Feb. 21, but unfavorable weather the next day—thick clouds over the home bases—caused several mid-air collisions and separated bombers from their fighter escorts. Although many bombers were recalled, those which got through encountered poor visibilities at the targets.

Bad weather on the 23rd forced USSTAF to stand down all missions, but the next day the weather opened up again. There were ideal bombing conditions on the 25th—a final touch to a week of unseasonably good bombing weather—the Big Week.

How big was the Big Week? What did it mean? More than 3,800 bomber sorties dropped almost 10,000 tons of bombs on their targets (roughly equal the tonnage

dropped by 8AF bombers during its entire first year of operations) and fighters flew 3,600 sorties. Additionally, the RAF dropped 9,200 tons of bombs from 2,300 aircraft. Losses were 226 U.S. heavy bombers, 157 RAF bombers and 28 U.S. fighters.

The Luftwaffe (German Air Force) lost about 600 fighters—but—the German aircraft industry could not keep up production from there on through the war. The Big Week cost Germany control of Europe's skies.

Weather people helped Operation Argument through its "Big Week," and allowed Gen. Dwight Eisenhower to assure the Normandy invasion forces that "if you see fighting aircraft over you, they will be ours."

The *Time Magazine* London correspondent wrote about the Big Week, "... probably as significant, historically, as the famous wind which once scattered the ships of the Spanish Armada. As a result of this history-making weather the Luftwaffe sustained a blow from which it will never recover."

North, east, south, west

Life busy for Det. 5

by
Capt. William Sadler
53WRS U10

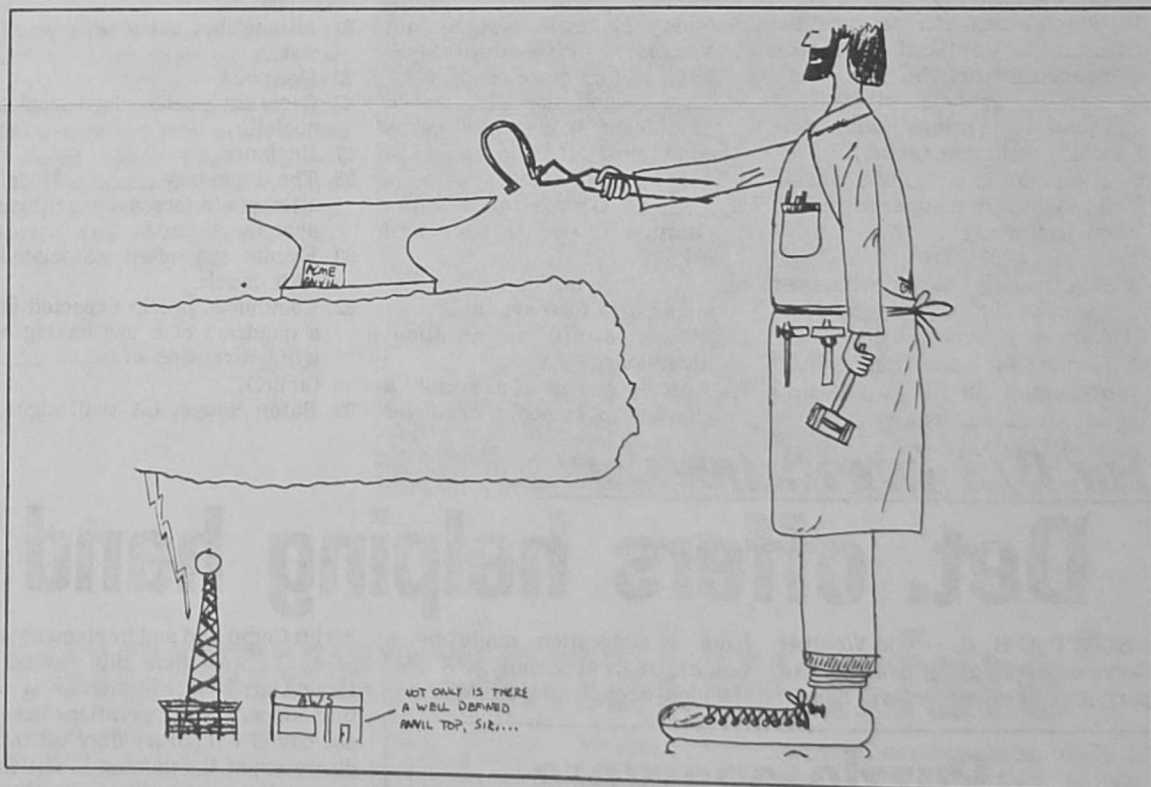
KEESLER AFB, MS—Oh, the life of a Det. 5, AWS, member working with the 53rd Weather Reconnaissance Squadron (WRS) here.

While Keesler's weather men of Det. 5, flying aboard aircraft of the 53WRS, log more time in the year-around support of the Tactical Air Command (TAC) than flying for the National Hurricane Center.

Even before the hurricane season ends the unit prepares for Task Flight Mike at McChord AFB, WA. Beginning in early November and lasting until April, aircraft and crews fly daily weather tracks into the North Pacific and Gulf of Alaska to give the northwest early notice of impending foul weather.

The violent ice and snow storms along the Eastern Seaboard are also the unit's responsibility. Flying low-level missions in the dangerous conditions, they relay information back to the National Weather Service to allow the weather people there to warn the heavily populated East Coast of threats to life and property.

When the Det. 5 people deploy to Alaska or Europe in the winter, they assume a new moniker—"Fog Floggers." When airfields there become closed by thick fog, the unit's people drop dry ice above the runway. The fog then condenses, becomes snow, falls and the field is clear enough for aircraft to fly in and out.



AWS salutes (Continued from opposite page)

1st Lt. Christine A. and Lonnie Shoup, daughter, Megan Marie, July 7, Mother a forecaster with AFGWC.

Sgt. Donald and SrA Joan Ward, son, Joseph Brian, July 15. Parents with Det. 1, 7WW, Andrews AFB, MD.

A1C and Mrs. Scot M. Hill, son, Devin S., July 20. Father an observer with Det. 1, 15WS, Tinker AFB, OK.

Sgt. and Mrs. H. Wayne Eng, son, David Wayne, July 26. Father with Det. 1, 24WS, Randolph AFB, TX.

SSgt. and Mrs. Ambrose Disori, son, Christopher Lee, July 27. Father an observer with Det. 20, 7WW, Little Rock AFB, AR.

SSgt. and Mrs. Thomas R. Lonsdale, daughter, Prudence Eleanor, Aug. 3. Father a forecaster with Det. 8, 5WS, Ft. Riley, KS.

A1C and Mrs. John Murdock, son, Jeffery Alan, Aug. 5. Father with Det. 32, 3WS, MacDill AFB, FL.

SSgts. Kathleen and Lawrence E. Tittle Jr., son, Lawrence Edwin III, Aug 7. Mother with AFGWC.

SrA and Mrs. Calvin E. Meadows, daughter, Jessica Suzanne, Aug. 11. Father a weather support specialist with AFGWC.

A1C and Mrs. Travis J. Budlong, daughter, Tamra Leigh, Aug. 21. Father an observer with Det. 8, 5WS, Ft. Riley, KS.

Sgt. and Mrs. Johnny Bratton, son and daughter, Janet and Jeffrey, Aug. 25. Father an observer with Det. 20, 7WW, Little Rock AFB, AR.

REENLISTMENTS

TSgt. Dennis R. Marsh, Det. 20, 31WS, Sembach AB, Germany.

SSgt. Alan F. McKee, Det. 12, 7WS, Finthen, Germany.

Sgt. Donald W. Cole, Det. 14, 5WS, Ft. Hood, TX.

MSgt. James A. Torrence, Det. 15, 15WS, WPAFB, OH.

Sgt. Phillip B. Eddy, Det. 7, 2WW, Teheran City, Iran.

SSgt. Robert L. Picconi, Det. 12, 7WS, Finthen, Germany.

TSgt. John G. Penhallegon, Det. 21, 9WS, Minot AFB, ND.

TSgt. James J. Fraunfelder and Sgt. Donald J. Odegard, Det. 15, 25WS, Luke AFB, AZ.

SrA Barbara L. Huston, Det. 4, 26WS, Loring AFB, ME.

TSgt. Freddie J. Smith, Det. 15, 9WS, Grand Forks AFB, ND.

RETIREMENTS

SMSgt. David Masters and Lt. Col. Leonard N. Starr, 5WW, Langley AFB, VA.

CMSgt. John R. Tasetano Jr., Det. 7, 3WS, Langley AFB, VA.

TSgt. Kenneth L. Gregg, Lt. Col. George M. Edlund and MSgt. Irel J. Griffith, AWS.

MSgt. William R. Heath, Det. 23, 26WS, McConnell AFB, KS.

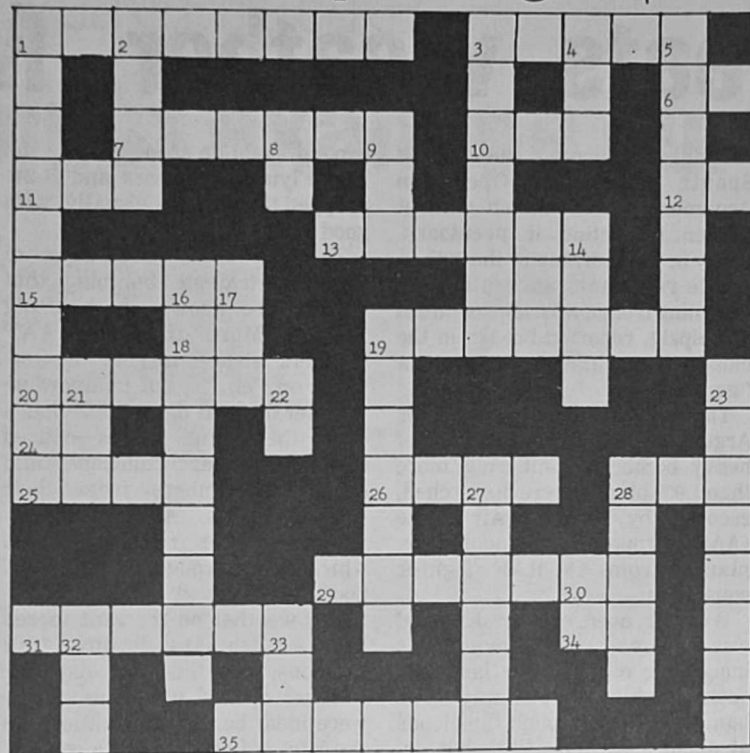
Weather can be puzzling

ACROSS

1. When drizzle is likely, the values of the temperature and _____ are similar.
3. A large cloud drop has a greater falling _____ than a small drop.
7. The smallest drop that can be discerned as drizzle has a _____ of 100 microns.
10. An elemental path of radiated energy.
11. Roberts Field, Redmond, OR (call sign).
12. Hazardous form of drizzle
13. Confluent local breezes may cause _____ drizzle onset.
15. In a non-precipitating cloud there is a wide range of cloud drop _____.
18. Value Analysis.
19. _____ flow can produce enough vertical motion for drizzle formation.
20. On airfields ZL may have an operational _____.
24. Operating Instructions.
25. 2WW supports _____.
26. Drizzle is composed of relatively uniform drops of water.
28. Good forecasters _____ great importance to good analysis.
29. Cloud droplets grow by condensation until large enough to fall because of _____.
31. Sea breezes can produce the _____ vertical motion needed for drizzle.
34. Expect upslope stratus at Colorado Springs with this winds direction (abbr.).
35. A cloud _____ will shrink unless it is in a super-saturated environment.

DOWN

1. Fog usually forms whenever the dewpoint _____ is three degrees Fahrenheit or less.
2. On the 850mb chart, analyze an occlusion in the thermal _____ tongue.
3. In an upslope condition, _____ cloud bases will lower as the wind speeds increase.
4. The call sign of a Nevada city which spells out the city's name.
5. This phenomenon is sometimes associated with a stratus layer 2,000 feet or more deep.
8. This precipitation phenomenon often forms in clear, light wind conditions, but seldom above 10 degrees Fahrenheit.
9. _____ breezes often cause summertime stratus and drizzle.
13. A most difficult weather element to forecast (abbr.).
14. Provides information about inversions.
16. Process which can shrink a cloud drop, or cool a dry layer



For O/S (west) travelers

Det. offers helping hand

SCOTT AFB, IL — Air Weather Service people going overseas for permanent assignment will benefit from a suggestion made by a weather man at Travis AFB, CA. His idea, accepted by the Military

Airlift Command and implemented Sept. 1, was that all weather forecasters going overseas to units that support MAC operations have one day of temporary duty (at the discretion of the gaining Wing) to learn the respective weather support unit (WESU). The West Coast WESU is at Travis AFB and the East Coast WESU at McGuire AFB, NJ.

The Det. 2, 7th Weather Wing commander, at Travis AFB, went further. He said, "Anyone needing information, assistance, or just passing through Travis can call Autovon 837-3762 (the commander), 837-2526 (the WESU at Travis) or 837-3378 (the Travis base weather station)."

He added, "The members of Det. 2 are ready and willing to help you and your family both before your arrival and during your brief stay here." A similar offer was made by the McGuire AFB unit earlier.

Puzzle answers

- | | |
|-----------------|-------------|
| 33. EFB | 35. Froplet |
| 32. ENE | 34. SE |
| 20. TS | 31. Gentle |
| 28. Layer | 29. Gravity |
| 27. Novice | 28. Lay |
| 23. Crystals | 26. Fine |
| 22. TD | 25. NATO |
| 21. MIA | 24. OI |
| 19. Uniform | 20. Impact |
| 17. SAC | 19. Upslope |
| 16. Evaporation | 18. VA |
| 14. RAOB | 15. Sizes |
| 13. F | 13. Faster |
| 9. Sea | 12. ZL |
| 8. IC | 11. RDM |
| 5. Drizzle | 10. Ray |
| 4. ELY | 7. Radius |
| 3. Stratus | 3. Speed |
| 2. Warm | 1. Dewpoint |
| 1. Depression | |
- ACROSS

Sports

Notice: Readers make change

By reader request, sports items will continue to be printed in the Air Weather Service OBSERVER, but in a more condensed form.

Janes state champion

DOVER AFB, DE—When Dover AFB's women's Class A Slow Pitch softball team recently won the Delaware State Championship, working out behind home plate as catcher was a weather woman—Shirley Janes. Shirley is a forecaster with Det. 5, 7th Weather Wing. She and her team now advance to the Eastern Regional Playoffs, which will take place in Philadelphia.

Golfers win local crown

HICKAM AFB, HI—The undefeated golf team, the "Happy Hookers," of the 1st Weather Wing and its Det. 4, recently captured the Hickam AFB Intramural Par-Three National League Golf crown. The team is made up of Jim Alley, Mike Burt, Larry Clark, Al Gordon, Dick Imai, Irv Kilpatrick and Phil Lemon. Since the win, Alley has been assigned to Det. 14, 5th Weather Squadron, Ft. Hood, TX.

Joggers finish Omaha run

OFFUTT AFB, NE—Six Air Force Global Weather Central joggers completed the fifth running of the Omaha (NE) marathon. They were Jack Hayes, Bil Gavers, Jim Hoke, John George, Bill Johnson and Erich Linse.

Met golfers take Scott league

SCOTT AFB, IL—The USAF Environmental Technical Applications Center intramural golf team won its division of the Scott AFB League this year. The team is made up of Stefan Dobratz, Chuck Viola, Jim Wilson, Dale Bernhardt, John McAleenan, Jim Warnke, Joe Malloni and Francis Skidmore.

Units in separate mount runs

COLORADO—Running up mountains seems to be the "in sport" in Colorado now. At Peterson AFB, John Taylor, Tom Austin Gary Ferracane and Lawrence Chun ran half of the 23rd International Pikes Peak Marathon. They ran up the 14,110-foot mountain. Taylor is with Det. 6, 12th Weather Squadron (WS); Austin and Ferracane with 3WS' Det. 75; and Chun is with Det. 3, 5WS. Ferracane had the best time—3:55.

Brian G. Hall, Det. 29, 25WS, Buckley ANGB, ran the 14.2-mile 1978 YMCA Rocky Mountain News Mount Evans Trophy Run recently. The race began at a lake 10,600 feet up the side of Mount Evans and the runners ran to the 14,264-foot level. Hall's time was 3:03.02.

Bowls double strikes for \$610

SCOTT AFB, IL—If John J. McAleenan Jr., a member of the USAF Environmental Technical Applications Center, here, didn't like bowling before, chances are he likes it now.

McAleenan recently appeared on a St. Louis, MO, television show named "Bowling for Dollars." When selected to roll, the now richer man scored two successive strikes to split a \$1,220 jackpot with a viewer, whose name was drawn at random.

USAFETAC 'muscle-er' wins

SCOTT AFB, IL—If you think weather people are sissies, don't tell your thoughts to USAF Environmental Technical Applications Center's Arnold C. Tinsley. He just placed first in Scott AFB, IL's bench press division of the recent weight lifting tournament. He did it by lifting 285 pounds.

Services begin CFC drives

The Combined Federal Campaign (CFC) drives are either completed, under way or will soon begin for weather people around the world. The onset of the campaign is at the discretion of local commanders, but must be accomplished during a specified three-month span. According to the Military Airlift Command criteria, overseas, the drives will take place between Sept. 1 and Oct. 31, whereas in the U.S. they will be conducted between Sept. 1 and Nov. 30.