



Volume 4

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### DAILY WEATHER MAP GOES WEEKLY APRIL 22

A new periodical, containing weather maps for each of the preceding seven days, will be published weekly beginning Apr. 22. Produced by the Environmental Data Service, the "Daily Weather Maps--Weekly Series" will replace the Daily Weather Map published by the Weather Bureau. The last edition of the Daily Weather Map will be printed on Sunday, Apr. 14. Thereafter, the eight-page Monday-through-Sunday series will be issued every Monday. It will include four maps for each day--general surface weather at 7 a.m. EST, winds and temperatures at about 18,000 feet, high and low temperatures for selected U.S. cities, and precipitation areas and amounts during the preceding 24 hours.

### PERSONNEL OFFICERS CONFERENCE PLANNED

Personnel officers from the field will attend a Personnel Officers' Conference at ESSA headquarters, May 6-9. Discussions will be led by field personnel officers as well as by headquarters staff. The first day and a half of the session will be devoted to a joint meeting with the WB Regional Directors and C&GS Field Directors, who are conferring at headquarters during the same week.

### ESSA AT WORK

*Dr. Michael Gadsden, of ERL's Aeronomy Laboratory, adjusts a spectrometer during NASA's auroral expedition at Fort Churchill, Canada. Dr. Gadsden and Orrin A. Mills were studying nitrogen bands in Northern Lights. The measurements were gathered aboard a NASA aircraft, in an expedition designed to study earth-sun relationships and their effect on man's environment.*





### **SURVEY SET FOR SOUTHEAST ALASKA**

Jack H. Burch, C&GS marine information specialist, will conduct a four-month field inspection of navigational facilities and conditions in Southeast Alaska, beginning about June 1. After consulting with Federal and shipping authorities in Seattle, his investigation will take him to Ketchikan, Wrangell, Petersburg, Sitka, Plelican, Juneau, Haines, Skagway, and many smaller fishing ports in the panhandle section of Alaska between the southern boundary and Cape Spencer. Mr. Burch's findings will be incorporated in a new edition of Coast Pilot 8, scheduled for issuance in September 1969.

### **ESSA AND UNIVERSITY COOPERATE IN WORK-STUDY PROGRAM**

The University of St. Thomas, Houston, Tex., and ESSA entered into a cooperative agreement on Jan. 5 to establish a work-study program in meteorology. The first participants in the program, who are assigned to the WB Overseas Operations Division and the WB Central and Southern Regions, have now completed their initial work assignments. The program was planned last year when Vaughn Rockney, chief, Overseas Operations Division, expressed his interest in establishing some meteorological technician trainee positions in connection with the Weather Bureau marine program.

### **FAA RADARS TO AID WEATHERMEN**

FAA's long-range air-traffic-control radar facilities in Southern California and Nevada are being used for weather tracking and forecasting in a WB-FAA program that began Apr. 1. Meteorologists in a new ESSA office at FAA's Los Angeles Air Route Traffic Control Center monitor radarscopes showing data received from radar sites ranging from Paso Robles on the north to Mount Laguna on the south and Las Vegas on the east. The new facility replaces the WB radar station operated for the past five years on Santa Catalina Island. Use of the FAA mountaintop radars permits observation of weather phenomena over a much greater area than before and provides more complete information on precipitation areas moving across the Pacific Southwest.

### **SUPPLY AIRLIFT UNDERWAY IN THE ARCTIC**

Equipment, supplies, and personnel were on the way to the Arctic, as the annual resupply airlift got under way Apr. 8. J. Glenn Dyer, deputy chief of the WB Overseas Operations Division, is now in Canada's Northwest Territories, overseeing the flights to such stations as Mould Bay, Isachsen, Eureka, and Alert. The supply mission will continue through April.

### WB TEAM SUPPORTS NASA LAUNCHINGS

Harold Boone, Ray Brown, and Elwood Harte of the WB Support Facility, Wallops Island, Va., were among the crew of the NASA Wallops Mobile Range Facility which launched six sounding rocket experiments from the Vega Baja, Puerto Rico, launch site, Mar. 17-18. The purpose of the experiments was to compare rocket measurements of ionospheric properties with measurements taken by the radar-radio telescope of the Arecibo Ionospheric Observatory near the test site.

### ALASKA RELEVELING PROJECT COMPLETED

The C&GS geodetic party operating in Alaska has completed a releveling project between Anchorage and Portage, Alaska. The work was accomplished through the winter months to determine the practicality of conducting leveling operations under severe environmental conditions.

### SDO DEVELOPS NEW FORECASTING TECHNIQUE

The WB's Systems Development Office has developed a technique for forecasting wind-wave height from meteorological data over the Northern Hemisphere northward to the icecaps. Using a CDC 6600 computer, it takes 43 seconds to produce forecasts for 12 to 36 hours in advance. WB marine forecasters are now evaluating output for the Atlantic and Gulf of Mexico.

### SITE SURVEY CONCLUDED IN GEORGIA

C&GS has completed a detailed magnetic survey of a site at Marietta, Ga., proposed for compass calibration of the new C-5A aircraft recently unveiled by President Johnson. In order to determine the uniformity of direction of the earth's magnetic field, observations were made at 185 points within the boundaries of the site, which covers an area 500 feet in diameter.



### PRICE JUDGES SCIENCE EXHIBITS

Saul Price, Regional Climatologist, Pacific Region Headquarters, was chief judge of the 11th Hawaii State Science Fair held recently at the Honolulu Hilton Hawaiian Village Dome. The fair attracted many young scientists from schools throughout the Hawaiian Islands. Mr. Price (left) views display project that won the Hawaii Conservation Council's award.

### WELCOME MAT

The C&GS Mid-Continent Field Area, Kansas City, Mo., welcomes: Aaron J. Ponder, David K. Deisher, Jerry W. Ferguson, Steven A. Ness, Gary D. Sanders, Charles R. Pierson, Noel P. Otteni, Clyde A. Duncan, and Jimmy W. Tate.

Lillian C. Ward has joined the staff of ESSA's State Climatologist Office, Denver, Colo.

### APRIL IS SPRING CLEANING TIME AT ESSA

April is spring-cleaning month, for ESSA employees as well as for housewives. The Department of Commerce has asked all employees to participate in a "Paper Clean-Out Campaign" during April. Little used, but necessary, records should be sent to Federal Records Centers under established procedures. Obsolete records, reference papers, directives, and the like should be destroyed. This is a good time to dispose of those two right galoshes and the empty aspirin bottles occupying precious space in the filing cabinets. All ESSA elements have been directed to report results of the campaign to their respective Management Control Centers through regular organization channels.

### SERVICE AWARDS

The following employees in the WB Central Region are eligible for service awards in April. 30 years - Vern S. Holmes, Kansas City; Carl H. Lindahl, Minneapolis; and Harvey A. Boyles, Rapid City. 25 years - Warren C. Caldwell, Des Moines; James N. Bagnell, Sault Ste. Marie; William R. Chasse, Grand Rapids; Hilmer A. Crumrine, Kansas City; Robert E. Fennell, Peoria; and Pearl Wendt, Williston, S. Dak. 20 years - Paul L. O'Dell, Topeka, and Henry A. Kyle, Springfield, Mo.

### SHIP OPERATIONS HAMPERED BY ACCIDENTS

The USC&GSS MARMER's operations on the Mississippi River near New Orleans have been plagued by hit-and-run accidents. Lt. Cdr. Ralph J. Land, the commanding officer, has reported frequent collisions of barges and tugs with the ship's current buoys. In one accident, a buoy was torn from its moorings and finally located 19 miles away.

#### CORRECTION

Checks paid to retirees will be increased by an additional 3.9 percent effective May 1, 1968, instead of 3 percent as stated in ESSA NEWS of April 5, 1968.

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Items to be considered for ESSA NEWS must be received by Friday for publication the following Friday. Send material to: Office of Public Information, ESSA, Room 804, Bldg. 5, Rockville, Md. 20852. Phone (301) 496-8243.

# **National Oceanic and Atmospheric Administration**

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