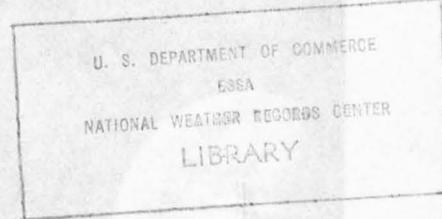


ESSA Wins Commerce Safety Award



(Left to right: Mr. Aronstam, Mr. Stans, Dr. White, and Mr. Gleiter.)

On July 2, Secretary of Commerce Maurice H. Stans presented Dr. Robert M. White, ESSA Administrator, with a certificate for high achievement in promoting safety in 1968. Accompanying Dr. White for the presentation were Rear Admiral Harley D. Nygren, ESSA Associate

Administrator; Theodore P. Gleiter, Assistant Administrator for Administration and Technical Services; and Milton S. Aronstam, ESSA Safety Engineer. ESSA was cited "for the second greatest reduction in accident rates and the maintenance of an effective safety program."

Western Region Prepares For Boy Scout Jamboree

The Weather Bureau Western Region will provide an ESSA exhibit for the Boy Scouts of America National Jamboree to be held at Farragut State Park, Idaho, July 16-22. The theme for the Jamboree this year is "Conservation of the Environment," and the exhibit will feature a display highlighting ESSA's services and their significant contributions to conservation programs. In addition, Services A and C teletypes and National Facsimile will be available through the cooperation of AT&T, Western Union, and Alden, and a fire-weather camper will be in operation. Approximately 40,000 U. S. Boy Scouts of Star rank or higher are expected to attend.

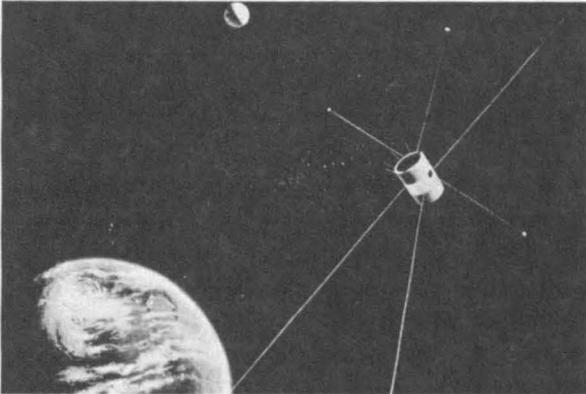
Continuous Weather Broadcasts Initiated from Seattle WBFO

An interim facility for continuous weather broadcasts has been inaugurated from the Seattle Weather Bureau Forecast Office. The broadcasts are from a 30-watt transmitter located on Green Mountain at an elevation of 1700 feet. The program is made possible through the cooperation of Seattle electronics firms.

Rinehart Authors "Science" Cover Story

Dr. John S. Rinehart, ERL senior research fellow, is the author of the cover story for the June 27 issue of SCIENCE. In a paper entitled "Waterfall Generated Earth Vibrations," Dr. Rinehart reports on studies of waterfalls in Iceland, Alaska, and the continental United States.

Ocean Current Tracking System Tested



Applications Technology Satellite (ATS-3)

A new ocean current tracking system which utilizes a satellite and a free-drifting buoy has been successfully

tested in the Gulf Stream by ESSA and NASA. It is the first successful attempt at tracking a free-drifting buoy in the deep ocean with satellite telemetry. In the test, a buoy equipped with Omega Position Location Equipment (OPLE) was allowed to drift in the Gulf Stream off the east coast of Florida. An Applications Technology Satellite (ATS-3) interrogated the buoy upon command. The buoy's navigational data were relayed through the satellite to NASA's Goddard Space Flight Center at Greenbelt, Md., for processing. The project was carried out under the direction of Richard R. Ross, Chief of the Miami Branch of the Coast Survey's Engineering Development Laboratory, Office of Systems Development.

Alaska Earthquake Study Shows Mountains Moved, Islands Shifted

Some of the findings incorporated in the third volume of a series known as "The Prince William Sound, Alaska, Earthquake of 1964 and Aftershocks," prepared by the Coast Survey, are that portions of vast mountain ranges moved horizontally 50 feet, some mountains sank almost 10 feet, and islands were shifted by the force of the earthquake. The findings are based on data gathered by the Survey in the postearthquake period from 1964 through 1968, and on painstaking surveys conducted by geodetic, photogrammetric, and hydrographic field parties. An analysis of the movement of mountain ranges and islands was made by C.A. Whitten, C&GS chief geodesist.

Nason Appointed Solar Eclipse Contact



Martin E. Nason of the Office of Programs, ERL, has been designated by Dr. White, ESSA Administrator, to serve as point of contact with the National Science Foundation for all ESSA plans relating to the 1970 solar eclipse.

Cooperative Weather Observer Honored



Miss Dixie Wineman, a cooperative weather observer since 1919, was awarded a 50-year length-of-service pin by MIC Paul F. Jacoby, Weather Bureau Forecast Office, Pittsburgh, Pa.; and Paul W. Dailey, Jr., ESSA State Climatologist for Pennsylvania, June 26. The presentation was made at her home in Derry, Pa. Miss Wineman also received a letter of congratulations from Dr. George P. Cressman, Weather Bureau Director, for her outstanding record. (Left to right: Mr. Jacoby, Miss Wineman, and Mr. Dailey.)

New Special Salary Schedules Announced

Listed below are new salary schedules for the several occupations provided increased hiring rates by the Civil Service Commission. Personnel in grade levels above those listed will now receive the rates provided for their step in the General Schedule published in ESSA NEWS on June 20, 1969. Conversions to the new schedules will be effective on July 13, 1969 and will be on a step-for-step basis.

Physical Scientist Rates (World-wide)	1301.1 Physical Sciences					1315 Hydrology		1340 Meteorology		
	1310 Physics					1320 Chemistry		1360 Oceanography		
Grade	1	2	3	4	5	6	7	8	9	10
GS-5	\$ 7,824	\$ 8,030	\$ 8,236	\$ 8,442	\$ 8,648	\$ 8,854	\$ 9,060	\$ 9,266	\$ 9,472	\$ 9,678
GS-6	8,714	8,943	9,172	9,401	9,630	9,859	10,088	10,317	10,546	10,775
GS-7	9,679	9,934	10,189	10,444	10,699	10,954	11,209	11,464	11,719	11,974
GS-8	10,141	10,423	10,705	10,987	11,269	11,551	11,833	12,115	12,397	12,679
GS-9	10,875	11,186	11,497	11,808	12,119	12,430	12,741	13,052	13,363	13,674
GS-10	11,620	11,962	12,304	12,646	12,988	13,330	13,672	14,014	14,356	14,698
GS-11	12,355	12,729	13,103	13,477	13,851	14,225	14,599	14,973	15,347	15,721

Engineer Rates (World-wide)	801 General		810 Civil		850 Electrical		861 Aerospace			
	803 Safety		830 Mechanical		855 Electronics		871 Naval Architecture			
Grade	1	2	3	4	5	6	7	8	9	10
GS-5	\$ 8,030	\$ 8,236	\$ 8,442	\$ 8,648	\$ 8,854	\$ 9,060	\$ 9,266	\$ 9,472	\$ 9,678	\$ 9,884
GS-6	8,943	9,172	9,401	9,630	9,859	10,088	10,317	10,546	10,775	11,004
GS-7	9,934	10,189	10,444	10,699	10,954	11,209	11,464	11,719	11,974	12,229
GS-8	10,423	10,705	10,987	11,269	11,551	11,833	12,115	12,397	12,679	12,961
GS-9	11,186	11,497	11,808	12,119	12,430	12,741	13,052	13,363	13,674	13,985
GS-10	11,962	12,304	12,646	12,988	13,330	13,672	14,014	14,356	14,698	15,040
GS-11	12,729	13,103	13,477	13,851	14,225	14,599	14,973	15,347	15,721	16,095
GS-12	13,835	14,281	14,727	15,173	15,619	16,065	16,511	16,957	17,403	17,849

GS-510 Accounting Series (World-wide)

Grade	1	2	3	4	5	6	7	8	9	10
GS-5	\$ 7,412	\$ 7,618	\$ 7,824	\$ 8,030	\$ 8,236	\$ 8,442	\$ 8,648	\$ 8,854	\$ 9,060	\$ 9,266
GS-7	8,659	8,914	9,169	9,424	9,679	9,934	10,189	10,444	10,699	10,954
GS-9	9,942	10,253	10,564	10,875	11,186	11,497	11,808	12,119	12,430	12,741

GS-1370 Cartographer Series (Wash., D.C.)

Grade	1	2	3	4	5	6	7	8	9	10
GS-5	\$ 7,206	\$ 7,412	\$ 7,618	\$ 7,824	\$ 8,030	\$ 8,236	\$ 8,442	\$ 8,648	\$ 8,854	\$ 9,060
GS-7	8,914	9,169	9,424	9,679	9,934	10,189	10,444	10,699	10,954	11,209
GS-9	9,942	10,253	10,564	10,875	11,186	11,497	11,808	12,119	12,430	12,741

GS-1515 Operations Research Series (World-wide)

Grade	1	2	3	4	5	6	7	8	9	10
GS-5	\$ 7,618	\$ 7,824	\$ 8,030	\$ 8,236	\$ 8,442	\$ 8,648	\$ 8,854	\$ 9,060	\$ 9,266	\$ 9,472
GS-7	9,169	9,424	9,679	9,934	10,189	10,444	10,699	10,954	11,209	11,464
GS-9	10,875	11,186	11,497	11,808	12,119	12,430	12,741	13,052	13,363	13,674
GS-11	12,355	12,729	13,103	13,477	13,851	14,225	14,599	14,973	15,347	15,721

GS-1520 Mathematician Series (World-wide)

Grade	1	2	3	4	5	6	7	8	9	10
GS-5	\$ 7,412	\$ 7,618	\$ 7,824	\$ 8,030	\$ 8,236	\$ 8,442	\$ 8,648	\$ 8,854	\$ 9,060	\$ 9,266
GS-7	9,169	9,424	9,679	9,934	10,189	10,444	10,699	10,954	11,209	11,464
GS-9	10,875	11,186	11,497	11,808	12,119	12,430	12,741	13,052	13,363	13,674
GS-11	12,355	12,729	13,103	13,477	13,851	14,225	14,599	14,973	15,347	15,721

Space Disturbance Forecast Center Apollo 11 Cachets Now Available

Stamp and special cover collectors can obtain envelopes stamped with a special cachet commemorating the support given by ERL's Space Disturbance Forecast Center to the Apollo 11 flight to the moon. Through a world-wide network of solar observatories, a continuous watch is maintained on the activities of the sun. During the Apollo flights, a direct line is open to the space radiation console at NASA's Manned Space Flight Center at Houston. This support is essential because a major flare on rare occasions may be hazardous to astronauts while they are outside the protective shield of their spacecraft. The Center has received world-wide requests for cachets since the Apollo 8 flight. The new stamp, to be used for Apollo 11 and succeeding flights, was designed by Joe Sutorik (SDFC), and illustrated by Bryan Hardy of the Graphics Arts Branch. Cachets can be obtained by sending a self-addressed, stamped envelope to: Space Disturbance Forecast Services, ESSA, Radio Building, Room 2022, Boulder, Colo. 80302.

Charting Program Plans Announced

To take care of expanding recreational boating and commercial navigation requirements, the Coast Survey plans to produce 225 new nautical charts during the next decade, including 135 small-craft charts and 90 new conventional charts. In support of the nautical charting program, the Survey has scheduled 46 hydrographic surveys during the next five years.

Service Awards

The following WB Southern Region employees are eligible for length-of-service awards during July: 25 years - John J. Childers, Fort Worth, Tex.; Jack R. Fite, Corpus Christi, Tex.; Francis H. Drybala, Miami; Spencer W. Harrison, Jr., Montgomery, Ala.; and Warren E. Brown, Victoria, Tex. 20 years - Harmon J. Ellis, Midland, Tex.; Joel A. Dunn, Apalachicola, Fla.; Mark A. Zimmer, Miami, Fla.; Donald L. Gore, Montgomery, Ala.; and John E. Kibler, Wichita Falls, Tex.

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

Tax Withholdings Increased For Maryland and New Mexico

Increases in state tax withholdings will be incorporated in the payroll program for the States of Maryland and New Mexico based on information received from these states. These increases will be effective with Pay Period No. 14, July 1-15, 1969, for employees paid semi-monthly and Pay Period No. 16, July 13-26, 1969, for employees paid bi-weekly. The increased deductions will be indicated in the salary checks dated July 27, 1969, and August 7, 1969, respectively.

Hydrology Exhibit Available



The hydrology exhibit shown above is available for display at scientific meetings and in office building lobbies. The exhibit is 16 feet long, 7 feet high, and 2 feet deep. Its lighting requires one standard 110 volt outlet. Requests for shipment should be forwarded to ESSA headquarters, Chief, Exhibits Section (AD133), 6010 Executive Boulevard, Rockville, Maryland 20852. FTS Phone (301) 496-8578.

Pollution in Paradise

The latest in a series of eruptions in the Kilauea Volcano on the Island of Hawaii blanketed much of the state with volcanic smoke for several days in June. Arthur V. Pierson, leading forecaster at WBFO Honolulu, coined the acronym VOG that stands for "volcano-induced fog" to describe the condition. The term was widely quoted in the Honolulu press.

National Oceanic and Atmospheric Administration

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