



Volume 4

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PRESIDENT REQUESTS BUDGET INCREASE FOR ESSA

The President's budget message, sent to Congress Jan. 28, included the following amounts for ESSA for fiscal year 1969:

<u>Appropriations</u>	FY 1968	FY 1969	Increases Requested	
	Estimates (Adjusted)	Estimates	<u>Positions</u>	<u>Amount</u>
(\$ in thousands)				
Salaries & Expenses	\$107,176	\$119,841	+415	+\$12,665
Research & Development	24,424	27,432	+ 78	+ 3,008
R&D (Special Foreign Currency Program)	750	500	-	- 250
Facilities, Equip. & Construction	5,200	3,200	+ 2	- 2,000
Satellite Operations	<u>28,100</u>	<u>27,000</u>	<u>+ 8</u>	<u>- 1,100</u>
Totals	\$165,650	\$177,973	+503	+\$12,323

The above amounts for both fiscal years include funding for the civilian and military pay increases effective in the current fiscal year.

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BUDGET REQUEST (continued)

Salaries and Expenses - Significant increases are requested in weather forecast and warning activities for extension of the Statewide Teletypewriter Service and additional automatic telephone weather service for the public; five-day weather forecasts on a daily basis; improved upper-air observations and improved special weather observations, forecasts, and warnings; and communications channels in Alaska and between Washington, D. C., and Tokyo, Japan. Increases are also requested for maintenance of aeronautical visual charts; expansion of the horizontal control network and mark maintenance; expansion of geomagnetic data analysis; automation of mapping, charting, and surveying activities; and for operation of new hydrographic and oceanographic vessels.

Research and Development - Increases are requested for weather modification research; improved forecasting of hurricanes and tornadoes; data acquisition system studies for river and flood forecasting services; studies of sea-air interaction; and utilization of additional frequencies in the electromagnetic spectrum for telecommunications.

Facilities, Equipment and Construction - Funds are being requested for the extension and upgrading of the radar and upper-air networks and the rehabilitation of facilities in Alaska; automation of the Alaskan hydrologic network; equipment for automation of marine charting; and tide and current data acquisition equipment.

Satellite Operations - The decrease is due to longer spacecraft lifetime resulting in fewer launches.

COASTAL WARNING TERM CHANGED

The WHOLE GALE warning and WHOLE GALE signals used by the Weather Bureau in weather forecasts for marine interests along the coasts and on the Great Lakes will be changed to storm warning and storm signals, effective March 1. Storm warnings and displays will indicate that winds of 48 knots (55 miles an hour) or more are expected. These changes will make the Weather Bureau terminology conform to that used internationally.

GEOPHYSICS SEMINAR SCHEDULED

Dr. E. P. Arnold, research scientist in the Office of Seismology and Geomagnetism's Geophysics Research Group, will present a paper entitled "P-Times in Japan", at the Geophysics Research Group Seminar to be held Friday, Feb. 9, at 10 a.m., in Room 926, Bldg. 5, Rockville, Md. All interested persons are invited to attend.

OCEANOGRAPHER GETS NEW SKIPPER, EXEC



Captain John O. Phillips became commanding officer of the USC&GSS OCEANOGRAPHER on Jan. 31, succeeding Captain Arthur L. Wardwell. Prior to his appointment, Capt. Phillips commanded the USC&GSS PATHFINDER. A civil engineer, he graduated from Carnegie Institute of Technology in 1941, and also received radar training at Bowdoin College and the Massachusetts Institute of Technology and training in oceanography at the University of Washington. He has seen extensive sea duty since he joined the

Coast Survey in 1942, having served on 10 ships off the shores of the U.S., the British West Indies, and the Philippines. In 1960, he received the Commerce Department's gold medal for exceptional service.



The new executive officer of the OCEANOGRAPHER is Cdr. Gerard E. Haraden, formerly the ship's operations officer. Cdr. Haraden joined the Coast Survey in 1951 following graduation from the University of Maine with a civil engineering degree. His career has included duty aboard seven Coast Survey ships, with field parties in Oregon and California, at the Fredericksburg Geomagnetic Center, as officer-in-charge of the Honolulu Observatory, and as assistant chief of the facilities division

in Washington, D.C.

WB-NESC OPERATE JOINT FAX NETWORK

On Feb. 1, the Weather Bureau and the National Environmental Satellite Center began operating a joint Facsimile Circuit, with funding shared by both organizations. One of the principal objectives of the operation is to assess the effectiveness of a centralized APT network and to provide a scheduled outlet for NESC products. The operation is expected to remain in force until the end of FY 1968, and if effective, through FY 1969. The Weather Bureau will continue to be responsible for the operation of the network.

ADM. JONES TO BE PANEL MEMBER

Rear Admiral Don A. Jones, ESSA Associate Administrator, will attend the Navy League Seapower Symposium in Washington, D.C., as a panel member, Feb. 7-8. The panel will discuss "Technical and Financial Aspects of the Coordinated Underwater Program."

SUMMER EMPLOYMENT RULES OUTLINED

The Personnel Division has prepared the chart below to answer some of the questions regarding summer employment at ESSA. It is anticipated that the number of applicants will greatly exceed the number of available positions. Interested applicants should apply to the nearest ESSA Personnel Office.

Level of Education	Level of Appointment	Basic Eligibility Requirements	Qualification Requirements for ESSA Positions
None specified	Youth Opportunity Campaign - YOC (minimum wage)	Determined by local office of U.S. Employment Service based primarily on economic need	Determined by need of ESSA at time of appointment
High School graduates and college undergraduates	Office and Science Assistant* GS-1 to GS-4	High test score**	For office positions - good clerical skills; for science positions - majors in math, engineering and physical sciences ¹
Graduate Students and Faculty	GS-5 and above	College graduate	Majors in math, engineering, and physical sciences, with good academic background

* This is the only type of appointment with the Department of Commerce for which children of DOC employees may be considered, if they rank higher on the civil service list than other competitors.

** Deadline to apply for test was February 1, 1968.

WB TO HOST MEETING

The WB's Weather Analysis and Prediction Division will host a meeting of the Regional Scientific Services Division Chiefs, Feb. 6-8 at Weather Bureau headquarters. The three-day conference, chaired by Charles F. Roberts, WXAP's Chief of the Technical Procedures Branch, will be devoted primarily to solution of technical problems related to field forecasting operations.

O'CONNELL RETURNS FROM POLE

Lt. Richard V. O'Connell, USESSA, has returned to the U. S. after spending a year at South Pole, Antarctica, conducting C&GS activities in geomagnetism and seismology under the U. S. Antarctic Research Program. Lt. O'Connell is the first ESSA commissioned officer to winter over in Antarctica. He is now preparing to enter the Colorado School of Mines, Golden, Colorado, for advanced training under ESSA's career development program.

WB MEN CO-AUTHOR WMO REPORT

A technical report, entitled "Design of Optimum Networks for Aerological Observing Stations," co-authored by Dr. M. A. Alaka and Frank Lewis of the WB's Techniques Development Laboratory and Drs. L. S. Gandin and S. A. Mashkovich of the USSR, has been published by the World Meteorological Organization. The report is available as World Weather Watch Planning Report No. 21.

SWANSON HONORED BY CONSTRUCTION WEEKLY

Captain Lawrence W. Swanson, project manager of C&GS' Geodetic Satellite Program, is being honored Feb. 15 by "Engineering News-Record," construction weekly of McGraw-Hill Publishing Co., for his contribution last year to the construction industry. Capt. Swanson will be cited as a man "whose efforts helped make color aerial photography a tool for planning, mapping, design."

D.C. MESONET DISBANDED

The Washington, D. C. Mesometeorological Network, established in 1961 as part of the WB's Aviation Forecasting Research Project, terminated its data-gathering operation recently. The network consisted of about 25 surface stations and six instrumented towers within 50 miles of Washington. Surplus equipment has been distributed to ESSA Laboratories and WB field stations. The data will now be used by SDO's Techniques Development Laboratory to perfect methods of analyzing and forecasting small-scale features.



ESSA AT WORK

Julius Badner conducts a daily weather briefing at Weather Bureau headquarters.

NEW PAY SCHEDULE FOR SCIENTISTS AND ENGINEERS

The Civil Service Commission has determined that a shortage of engineers and scientists exists at the entrance levels and has ruled that minimum salaries for these occupations will begin at the tenth step of the General Schedule for Grades 5 and 7 and at the seventh step for Grade 9. Personnel eligible for this increase will be converted to the new schedule on a step-for-step basis effective Feb. 11, 1968. The occupations affected within ESSA are as follows: GS-801 General Engineer; GS-803 Safety Engineer; GS-810 Civil Engineer; GS-830 Mechanical; GS-850 Electrical; GS-855 Electronics Engineer; GS-861 Aerospace; GS-871 Naval Architecture; GS-1301.1 Physical Sciences; GS-1310 Physics; GS-1313 Geophysics; GS-1315 Hydrology; GS-1320 Chemistry; GS-1330 Astronomy and Space; GS-1340 Meteorology; GS-1360 Oceanography; GS-1372 Geodesy; GS-1515 Operations Research (9-12); GS-1520 Mathematics; and GS-1529 Mathematical Statistics.

Scientists and Engineers (Worldwide)

Grade	1	2	3	4	5	6	7	8	9	10
GS-5	\$7,239	\$7,425	\$7,611	\$7,797	\$7,983	\$8,169	\$8,355	\$8,541	\$8,727	\$8,913
GS-6	7,982	8,187	8,392	8,597	8,802	9,007	9,212	9,417	9,622	9,827
GS-7	8,759	8,984	9,209	9,434	9,659	9,884	10,109	10,334	10,559	10,784
GS-8	9,106	9,352	9,598	9,844	10,090	10,336	10,582	10,828	11,074	11,320
GS-9	9,668	9,937	10,206	10,475	10,744	11,013	11,282	11,551	11,820	12,089
GS-10	10,291	10,585	10,879	11,173	11,467	11,761	12,055	12,349	12,643	12,937

NAMIAS SPEAKS AT OCEANOGRAPHY MEETING

Jerome Namias, Chief of NMC's Extended Forecast Division, attended the Symposium on Oceanography sponsored by the Scripps Institution of Oceanography at La Jolla, Calif., as an invited lecturer. Mr. Namias spoke Feb. 1 on "The Ocean and the Atmosphere."

TWO PRESENT PAPERS AT EARTHQUAKE SYMPOSIUM

S. T. Algermissen, Chief, Geophysics Research Group, and William K. Cloud, Chief of Seismological Field Survey, will each present a paper on Seismicity and Basic Ground Motion at a two-day state-of-the-art Symposium on Earthquake Engineering of Buildings, in San Francisco, Feb. 5-6. The symposium is sponsored by the Earthquake Engineering Research Institute, in cooperation with the American Society of Civil Engineers, the Structural Engineers Association of California, the American Concrete Institute, and the Seismological Society of America.



DR. BENTON IS AMS PRESIDENT-ELECT

Dr. George S. Benton, director of the ESSA Research Laboratories, was installed Jan. 31 as President-Elect of the American Meteorological Society in ceremonies at the AMS 48th Annual Meeting in San Francisco. The AMS, founded in 1919 to develop knowledge of meteorology, is an international scientific society with more than 80 local chapters throughout the United States and seven foreign countries.

AGRICULTURAL CONFERENCE HELD

The New York Weather Bureau Office hosted the annual meeting of the Regional Technical Committee on Soil-Plant-Water Relationships on Jan. 3-4. Attending were representatives of seven northeastern states and three Federal agencies, including the ESSA Regional Climatologist. Various agricultural experiment stations are continuing field research to determine water-use efficiency by certain plants and crop yields under natural conditions and under irrigation.



DRYER TO CHAIR AIAA COMMITTEE

Murray Dryer, of ESSA Research Laboratories' Space Disturbances Laboratory, has been appointed to serve as chairman of the American Institute for Aeronautics and Astronautics' Technical Committee on Space and Atmospheric Physics, for the coming year. A native of Bridgeport, Conn., Mr. Dryer received both a B.S. in mechanical engineering and an M.S. in aeronautics from Stanford University.

OU OFFERS DEGREE BY CORRESPONDENCE

The University of Oklahoma, Norman, Okla., offers the Bachelor of Liberal Studies degree, through correspondence courses designed especially for adult part-time students. The student is allowed to enter the University at his own level of attainment and proceeds in a program of independent study in the area of humanities, social sciences, or natural sciences. Enrollment and seminars require attendance at the University for periods of three or four weeks several times during continuing study. The cost of the degree may total from \$1300 to \$1500, plus living expenses during seminars. For additional information about this program, contact the University of Oklahoma.

RETIREMENTS

John W. Cline, Advisory Agricultural Meteorologist at the WB's Agricultural Service Office, Twin Falls, Idaho, will retire Feb. 24 after 28 years of Federal service. Mr. Cline entered the Weather Bureau in 1940 at Las Vegas, Nev.

Gilley T. Stephens, meteorologist-in-charge of the WB Airport Station, Memphis, Tenn., will retire Feb. 26 after 30 years of service with the Bureau. Mr. Stephens has served in the Memphis area for over 15 years.

Charles A. Sabine, Supervisory Meteorological Technician at EDS' National Weather Records Center, Asheville, N. C., retired Jan. 27 after 37 years of service with the Weather Bureau.

EXCUSE US, DR. GALLAWA

Dr. Gallawa of ESSA Research Laboratories was incorrectly listed in the Jan. 12 issue of ESSA NEWS as being affiliated with the Wave Propagation Laboratory. Dr. Gallawa is with the Institute for Telecommunication Sciences.

TWO NWRC MEN DIE

Oliver M. Davis, who retired from the National Weather Records Center's Applied Climatology Branch last September, died on Jan. 19.

John B. Benson of the National Weather Records Center's Applied Climatology Branch, died on Jan. 22.

SERVICE AWARDS

Length-of-service awards are due in February to the following Weather Bureau Central Region employees: 30 years - Glenn M. Miller, Joliet, Ill. 25 years - William M. Hargis, Chicago; Daniel P. O'Connell, Chicago; Eugene J. Wenglowski, Chicago; Claire P. Mancuso, Grand Island, Nebr.; Charles D. Lubratovic, Kansas City; Arnold F. Siller, Lexington, Ky.; and Erwin E. John, Minneapolis, Minn.

C&GS Mid-Continent Field Area employees eligible for awards this month are: 25 years - Harold E. Atkinson, Kansas City; and Henry L. Ince, Kansas City with 20 years of Federal service.

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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