

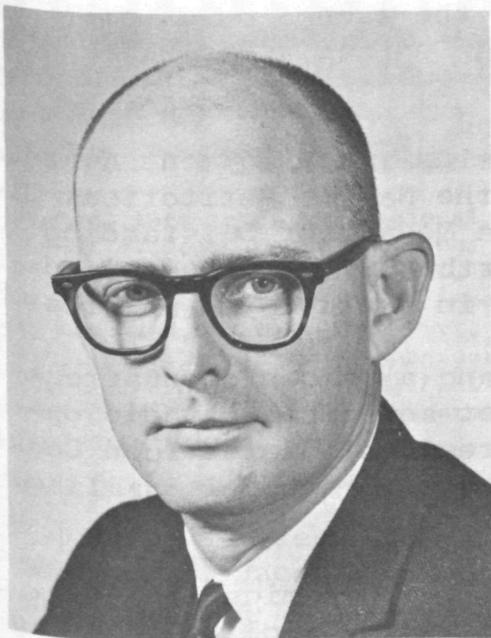
ESSA news

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DR. TOWNSEND NOMINATED AS ESSA DEPUTY ADMINISTRATOR



President Johnson has announced his intention to nominate Dr. John W. Townsend, Jr., as Deputy Administrator of ESSA to succeed Dr. Werner A. Baum, who has accepted the presidency of the University of Rhode Island.

Dr. Townsend, Deputy Director of the National Aeronautics and Space Administration's Goddard Space Flight Center at Greenbelt, Md., is widely known as a scientific administrator and upper atmosphere physicist, whose contribution to the Nation's satellite program has been a notable one.

He was born on March 19, 1924, in Washington, D.C. During World War II, he served 3½ years as an Air Force officer, with overseas duty at Guam, Tinian, and

in the Philippine Islands.

He was graduated from Williams College in 1947, cum laude and with highest honors in physics. He received his master's degree in physics from Williams in 1949, and an honorary degree of Sc.D. from that institution in 1961.

Dr. Townsend joined the Naval Research Laboratory's Radio Division in 1949. He became head of the Rocketsonde Branch and Deputy Science Program Coordinator of Project Vanguard in 1955.

During his service with the Naval Research Laboratory, he participated in programs of basic research in the very high atmosphere. He developed a radio frequency mass spectrometer for use in rockets, and obtained the first mass spectra of the upper atmosphere above 90 kilometers. He was the scientific officer for the Navy's development of the Aerobee-Hi rocket. As Deputy Science Program Coordinator for Project Vanguard, he directed preparation of scientific instrumentation for two of the four approved original earth satellites.

Dr. Townsend transferred to NASA in 1958 and was appointed Chief, Space Sciences Division. The following year he became

Assistant Director of Goddard Space Flight Center, and was appointed Deputy Director in July 1965. He was a member of the team that created Goddard Space Flight Center through the transfer of several agencies to the new NASA. At Goddard, he planned, directed, and conducted a broad program of space research. He has been responsible for the day-to-day management of most of NASA's scientific and applications satellites, operation of its global tracking and data acquisition network for unmanned satellites, and the manned Gemini and Apollo spacecraft.

He has directed field groups at Cape Kennedy and the Pacific Missile Range that were responsible for the launching of all NASA Delta, Thor-Agena, Atlas-Agena, and Centaur vehicles, and has supervised the Goddard Institute for Space Studies in New York.

Among his honors have been the Professional Achievement Award, Engineers' and Architects' Day, 1957; the Navy's Meritorious Civilian Service Award, 1957; and the NASA Medal for Outstanding Leadership, in 1962. He received the Arthur S. Flemming Award as one of the Ten Outstanding Young Men in the Federal Service in 1963.

He is widely published in his field, and a member of numerous learned societies. He is a private pilot and amateur radio operator and, for five years, served as president of the Town Council of Forest Heights, Md. His current active hobby is sailing.

GULF STREAM SEGMENT UNDER STUDY

A joint government-university study of the dynamics of a segment of the Gulf Stream off the coast of North Carolina is being carried out this month by ESSA and Nova University, Fort Lauderdale, Fla. Conducting the survey for ESSA are the Atlantic Oceanographic Laboratories at Miami, Fla., and the USC&GSS MT MITCHELL. Nova University is using its ship, the GULF STREAM. Both ESSA and Nova University are covering the same section across the Gulf Stream, southeast from Cape Fear, N.C., each with its own ship. The ESSA program consists of two 10-day voyages during June, while Nova University is spending an overlapping six weeks in the area. The purpose is to further understanding of the stream's speed, volume, direction, and source, and the amount of water and heat transferred from south to north in the western North Atlantic. Because the Gulf Stream has a pronounced effect on the weather, a better understanding of its structure will permit a better evaluation of the current's role in redistributing over the earth's surface heat received from the sun. Chief ESSA scientists for the program are Frank Chew and George Berberian. In charge of the Nova University study is Dr. William S. Richardson, Professor of Oceanography. David Tyler of ERL's Land and Sea Interaction Laboratory will also participate.



Seated, left to right: Regional Climatologists Norman L. Canfield, Eastern Region; Lothar A. Joos, Central Region; Harold W. Searby, Alaska Region; C. Kenneth Vestal, Southern Region; and Marvin D. Magnuson, Western Region. Standing, left to right: Dr. Gerald L. Barger, Dir., Laboratory for Environmental Data Research, EDS; Harold S. Lippmann, Asst. to the Dir., Office of Field Services, EDS; Dr. Woodrow C. Jacobs, Dir., EDS; Harold B. Harshbarger, Dir., Office of Field Services, EDS; B/Gen. B. G. Holzman, Deputy Dir., EDS; Saul Price, Regional Climatologist, Pacific Region; Herbert C. S. Thom, Senior Research Fellow, EDS; and Wayne C. Palmer, Bioclimatology Project Scientist, EDS.

REGIONAL CLIMATOLOGISTS MEET

ESSA's six Regional Climatologists met with the Director, Woodrow C. Jacobs, and key staff members of the Environmental Data Service at EDS Headquarters in Silver Spring, Md., June 3-7. The meeting was called to review EDS' current climatological field programs and to brief the Regional Climatologists on EDS' plans and future programs.

TWELVE AWARDS GIVEN FOR TORNADO SAFETY ACTIONS

Dr. George P. Cressman, Weather Bureau Director, has conferred the agency's Public Service Award upon nine persons for lifesaving action during recent tornadoes in Miami, Tex., and Charles City and Oelwein, Iowa. Two public safety agencies and a radio station were also cited. Honored in connection with the Miami, Tex., tornado were Glenn Sanders, Miami Superintendent of Schools; Cy Carr, Roberts County Sheriff; Roy McCoy of KFDA-TV, Amarillo; and the Texas Department of Public Safety's Amarillo office. In Oelwein, Iowa, Public Service Awards were given to Mrs. Yvonne Buckman and Miles Gardner, Jr., of Hazelton, Iowa; Vance Coleman and Dean Meyers of radio station KOEL; to the station itself; and to the Iowa State Highway Patrol. At Charles City, Iowa, Floyd County Sheriff L. L. Lane and John Philip of radio station KCHA received awards.

ESSA, USGS TO MAP BERING SEA FLOOR



ESSA and the Geological Survey are undertaking an extensive survey this summer of the continental shelf beneath the Bering Sea, including a search for indications of gold, tin, platinum, or petroleum beneath the sea floor. Richard B. Perry (left), a Coast Survey oceanographer, is ESSA scientific coordinator for the project. Dr. David M. Hopkins, an authority on Alaska geology, is serving as scientific coordinator for the Geological Survey. The investigation, which will be conducted from the USC&GSS SURVEYOR and OCEANOGRAPHER,

will be concentrated in the area off Nome, Alaska, between St. Lawrence Island and the Seward Peninsula, in western Norton Sound. The Coast Survey ships will map the offshore area in much greater detail than ever before using precise electronic navigational control. Data gathered during the survey will be analyzed by scientists of both agencies. The Bering Sea survey is a pilot project of the National Council on Marine Resources and Engineering Development, with a future view to extending the program to the continental shelves off the Pacific, Gulf, and Atlantic coasts.

MINNESOTA STATE CLIMATOLOGIST APPOINTED

Earl L. Kuehnast became the new State Climatologist for Minnesota on June 3. Mr. Kuehnast, a retired Air Force colonel, was formerly a military climatologist and also an Air Force pilot. He is presently pursuing a master's degree at Iowa State University, Ames, Iowa.

WB TO ASSIST DEEP-SEA CORING PROJECT

The Weather Bureau will provide support to the National Science Foundation's deep-sea coring project scheduled to begin about July 1 in the Atlantic. A new ship, designed to obtain 2000-foot ocean-bottom cores in waters as deep as 20,000 feet, will operate for nine months in the tropical Atlantic, an area where little surface data is available. The Weather Bureau will provide an experienced marine meteorologist-oceanographer to brief the ship's operations officer on expected weather and sea conditions. The ship will be equipped with radio-facsimile and radio-teletypewriter equipment to enable it to intercept worldwide broadcasts of weather and oceanographic data, and with Automatic Picture Transmission (APT) equipment.

DAY TO HEAD SAULT STE. MARIE STATION



Frederick H. Day has been named meteorologist in charge of the Sault Ste. Marie Weather Bureau Airport Station, replacing Arthur J. Myers who retired earlier this year. Mr. Day, who is scheduled to take over his new position in Michigan early in July, has been in charge of the Weather Bureau facility in Cold Bay, Alaska, for the past five years. He is a University of Colorado graduate and an Air Force veteran of World War II and the Korean War. He has served in Alaska for nine years.

FEDERAL PAY RAISES SET FOR JULY

Effective at the beginning of the first pay period after July 1, President Johnson has ordered pay raises for more than 5.5 million Federal civilian and military personnel. In ESSA, civilian employees paid under and in accordance with the provisions of the General Schedule will be given graduated increases ranging from 3 to 8.8 percent. The ceiling on such salaries will be raised from \$27,055 to \$28,000, the present legal limit. Under present legislation, General Schedule salaries cannot exceed Level V of the Executive Salary Act and the President has appointed a Commission to study and report recommendations on executive level salaries. These increases will place Federal salaries more in line with salaries in private industry. A third-stage raise to be effective in July of 1969 is supposed to close the gap between Federal and industry salaries. Officers in the Commissioned Corps of ESSA will receive a 6.9 percent increase consistent with benefits provided the military services.

	1	2	3	4	5	6	7	8	9	10
GS-1	\$ 3,889	\$ 4,019	\$ 4,149	\$ 4,279	\$ 4,408	\$ 4,538	\$ 4,668	\$ 4,798	\$ 4,928	\$ 5,057
2	4,231	4,372	4,513	4,655	4,796	4,937	5,078	5,219	5,360	5,501
3	4,600	4,753	4,907	5,060	5,214	5,367	5,521	5,674	5,828	5,981
4	5,145	5,316	5,487	5,658	5,829	6,000	6,171	6,342	6,513	6,684
5	5,732	5,924	6,115	6,307	6,498	6,690	6,881	7,073	7,265	7,456
6	6,321	6,532	6,743	6,955	7,166	7,377	7,588	7,799	8,010	8,221
7	6,981	7,214	7,447	7,680	7,913	8,146	8,379	8,612	8,845	9,078
8	7,699	7,956	8,213	8,470	8,727	8,984	9,241	9,498	9,755	10,012
9	8,462	8,744	9,026	9,308	9,590	9,872	10,154	10,436	10,718	11,000
10	9,297	9,607	9,917	10,227	10,537	10,847	11,157	11,467	11,777	12,087
11	10,203	10,543	10,883	11,223	11,563	11,903	12,243	12,583	12,923	13,263
12	12,174	12,580	12,986	13,392	13,798	14,204	14,610	15,016	15,422	15,828
13	14,409	14,889	15,369	15,849	16,329	16,809	17,289	17,769	18,249	18,729
14	16,946	17,511	18,076	18,641	19,206	19,771	20,336	20,901	21,466	22,031
15	19,780	20,439	21,098	21,757	22,416	23,075	23,734	24,393	25,052	25,711
16	22,835	23,596	24,357	25,118	25,879	26,640	27,401	28,162*	28,923*	
17	26,264	27,139	28,014*	28,889*	29,764*					
18	30,239*									

industry. Asterisks denote salaries above \$28,000 ceiling set by law.

LAS VEGAS LAB EMPLOYEES GAIN UNION RECOGNITION



Lodge Number 2729 of the American Federation of Government Employees recently gained exclusive recognition as the bargaining agent and representative for the non-professional employees of ERL's Air Resources Laboratory, Las Vegas, Nev. At ceremonies held in Las Vegas, the basic contract was signed by (seated left to right)

Philip W. Allen, chief, Air Resources Laboratory, and Loren E. Fagan, president of Lodge No. 2729. Present at the ceremony were (standing left to right) Frederick E. Schramm, supervising meteorological technician, Lynn H. Pribble, assistant for administration, Robert J. Hansberry, Lodge secretary, and Alex A. Shoemake, Lodge vice president.

JENSEN TO BE NORTH DAKOTA CLIMATOLOGIST

Ray E. Jensen has been designated ESSA State Climatologist for North Dakota replacing Arlin Snider. Mr. Jensen, who is engaged in a graduate degree day program at North Dakota State University, was formerly stationed at WB Central Region headquarters.

WILLIAMS APPOINTED RAINIER SKIPPER

Cdr. Robert E. Williams has been appointed commanding officer of the USC&GS Ship RAINIER, and Lt. Cdr. Robert L. Sandquist has been named the ship's executive officer.

For the past two years, Cdr. Williams has served in Jacksonville, Fla., as the Coast Survey's liaison officer on the staff of the Maritime Administration overseeing the construction of the three C&GS sister ships - RAINIER, FAIRWEATHER, and MT MITCHELL. He is a 1950 graduate of the University of Wyoming and a 19-year veteran of the Coast Survey.

Lt. Cdr. Sandquist, the new executive officer, was previously stationed in Miami, Fla., with the Research Flight Facility. Prior to that, he piloted a Coast Survey photogrammetric field party plane. Lt. Cdr. Sandquist joined the Coast Survey in 1959 following graduation from Colorado State University with a civil engineering degree.

MEXICO-U.S. WARNING COOPERATION PLANNED

Walter A. Hahn, ESSA Assistant Deputy Administrator for Policy Development, represented the Department of Commerce at the first meeting of the Mexico-United States Joint Committee for Mutual Assistance, held at the National Hurricane Center in Miami, Fla. The United States delegation was headed by Assistant Director of the Office of Emergency Planning Endicott Peabody, former Massachusetts Governor, and the Mexican Section by LIC Antonio Gonzales de Leon. The purpose of the Committee, created by Mexico's President Gustavo Diaz Ordaz and President Lyndon B. Johnson, is to develop methods of increased cooperation between the two nations in warning of environmental hazards.

McMULLEN ELECTED TO NEW ORLEANS POSTS

Louie McMullen, chief of the C&GS New Orleans Field Office, has been elected secretary of the Louisiana Section of the American Congress on Surveying and Mapping and to a directorship in the New Orleans Chapter of the American Society of Oceanography.

BOULDER MEN COMPLETE IN-HOUSE COURSE

Five ESSA Research Laboratories employees recently received certificates after completing the Career Technician Program - a series of four-year courses taught within the laboratories to increase the knowledge and skill of the participants. Basic certificates were awarded to Alvin E. Sapp, Fred J. Eggert, and Hans L. Ericson, and advanced certificates were awarded to John H. Rogers and Edward Niessen.



Shown left to right, Hans L. Ericson, Dr. Floyd L. Taylor, chairman of the joint ESSA-NBS subcommittee on non-professional training, and Fred J. Eggert.

CAPT. POPPER TO RETIRE

Captain Francis X. Popper, chief of the C&GS New York Field Office, is retiring August 1 after 29 years of service. After joining the Coast Survey in 1939, he served aboard six Coast Survey vessels, and as commanding officer of two; with geodetic field parties; and as liaison officer with the U.S. Air Force at Patrick AFB, Fla. During World War II, Capt. Popper saw action with the Army Corps of Engineers, in New Guinea, Australia, the Philippines, and Korea, for which he received the Bronze and Silver Star medals.

NMC MAN DIES

Leonard W. Morris, supervisory support services assistant at the National Meteorological Center, Suitland, Md., received fatal injuries in an automobile collision on June 10. Mr. Morris entered the Weather Bureau in 1947. He had been a Commerce employee since 1941.

SERVICE AWARDS — BOULDER

The following ESSA Research Laboratories, Boulder, Colo., employees are eligible to receive length-of-service awards during the 4th quarter of FY 68: 30 years - Earl E. Ferguson. 25 years - Dwight B. Kline, Obie Y. Causey, Walter H. Hoecker, Jr., Ernest G. Cogdal, Robert A. Losee, A. B. Arnett, Robert W. Schomer, Ernestine J. Campbell, Howard H. Engelbrecht, Jack D. Tracy, Albert R. Mitz, Dale C. Whittaker, and Helen J. Stiles. 20 years - James E. Boudreaux, Miriam R. Clore, Charles M. Purdy, and Martin T. Decker.

SERVICE AWARDS — ASHEVILLE, N.C.

Employees in EDS' National Weather Records Center, Asheville, N.C., receiving length-of-service awards this quarter are: 40 years - Carl R. Byrd. 30 years - Dorothy W. Rembert. 25 years - Georgia J. Albertson, William H. Haggard, Gaston Haller, Alan H. Harris, Lloyd E. Lancaster, Rufus Maynor, Edrie S. McCarthy, Betty K. Meadows, and Georgia C. Whiting. 20 years - Raymond D. Crane, Mary A. Garren, Lillian S. Glosson, George W. Hogan, Louisa W. Sanders, and Marie O. Snelling.

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, WSC, Rockville, Md. 20852. Phone (301) 496-8243

National Oceanic and Atmospheric Administration

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