



NOAA WEEK

U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration

Senate Approves \$44 Million Increase for NOAA

The Senate Appropriations Committee on July 19 approved the following increases for NOAA for the fiscal year beginning July 1, 1971 (dollars in thousands):

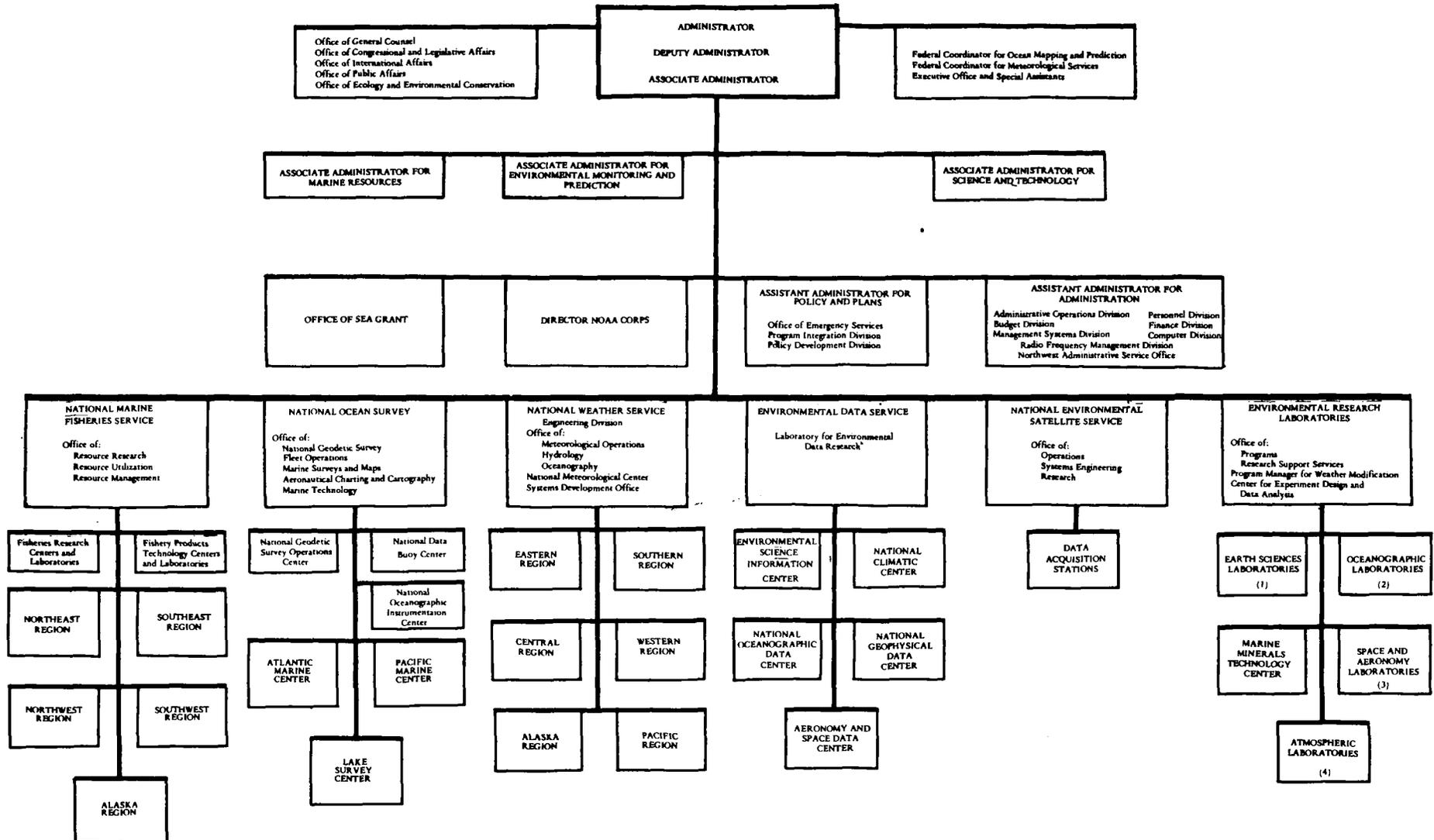
<u>Appropriations</u>	<u>Amount for Continuation of Programs at 1971 Levels</u>		<u>Requested 1972 Increase for Program Expansion</u>		<u>Senate Committee Allowance for Program Expansion</u>	
	<u>Pos.</u>	<u>Amount</u>	<u>Pos.</u>	<u>Amount</u>	<u>Pos.</u>	<u>Amount</u>
Salaries and Expenses	8,771	\$174,451	433	\$12,955	401	\$11,683
Research, Development and Facilities	2,140	89,284	240	24,176	215	27,146
Research and Development (Special Foreign Currency)	-	-	-	900	-	500
Satellite Operations	336	25,919	151	6,006	151	4,820
Pribilof Islands	80	2,914	-	-	-	-
Fisherman's Loan Fund (Limitation on Admin. Expenses)	(19)	(417)	-	-	-	-
Fisherman's Protective Fund	1	61	-	-	-	-
Total	11,328	\$292,629	824	\$44,037	767	\$44,149

The President's budget for NOAA submitted to Congress in January, when adjusted for the January 1971 pay increase, totaled \$336,666,000, providing an increase of \$44,037,000 for program expansion in fiscal year 1972. The House Appropriations Committee approved \$310,975,000 on June 21, an increase of \$18,346,000 -- 41 percent of the requested expansion. The House Committee action would permit an increase of 471 positions for the highest priority program expansion items.

NOAA then requested Senate restoration of 296 positions and \$20,803,000 of the House reduction. The Senate Appropriations Committee recommended \$336,778,000 -- the full amount of the budget request for program expansion. The Committee restored the 296 positions and \$20,803,000 restoration requested and granted an additional \$5,000,000 for the Sea Grant program, which is more than the request to Congress for this program.

Conference action between the House and Senate is expected to be completed before July 31. The final bill is expected to be sent to the President before the Congress recesses August 6.

**U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**



Secretary Stans Dedicates New Kodiak Marine Fisheries Center

Secretary of Commerce Maurice H. Stans was the principal speaker for the dedication of the NMFS Marine Fisheries Center at Kodiak, Alaska, July 7. In his dedication address, the Secretary said that the mission of the new Center is to provide service and increase knowledge for wise use of the marine fisheries resources of Alaska. "The new laboratory here," he said, "along with its present research vessels, will investigate the distribution and productivity of Alaska's marine fisheries resources. The Food Products Technology group will assist fishermen and processors in finding new and improved ways to handle and process their catch into high quality and wholesome products. The Marine Extension and Marketing Service will assist in carrying new technical information to fishermen and processors. The newly created W. F. Thompson Memorial Library will assist all these activities with basic information and research reports. Together these research and study groups will provide outstanding services and information on a continuing basis to the fishing industry in this part of the North Pacific."

The dedication ceremony also included remarks by NOAA Deputy Administrator Howard W. Pollock and NMFS Director Philip M. Roedel. Prominent among the guests were Lowell Wakefield, a member of Secretary Stans' Marine Fisheries Advisory Committee; Elmer Rasmussen,



Left to right: NMFS Director Roedel, Secretary Stans, NMFS Regional Director Rietze, NOAA Deputy Administrator Pollock, NWS Regional Director Bigler, Kodiak Center Director Hayes, and Secretarial Assistant McSpadden.

President of the National Bank of Alaska and Chairman of the International North Pacific Fisheries Commission. NMFS Regional Director Harry L. Rietze was master of ceremonies and NWS Regional Director Stuart Bigler was a member of the official party.

Walton Follansbee on Training Mission

Walton A. Follansbee, of the NESS Applications Group, is on a three-month National Weather Service Voluntary Assistance Program training mission. Mr. Follansbee is visiting newly installed Automatic Picture Transmission stations in Thailand, Nepal, Zambia, and Somalia

NOAA Reorganization Takes Effect

A revised Departmental Order prescribing the organization of NOAA and replacing the interim organization under which NOAA has functioned since October 3, 1970, was effective July 11, 1971. Details of the new organization will be contained in an Administrator's letter to all employees to be distributed soon. See new organization chart on page 2.

Long Island Sound Survey To End This Year

The most detailed hydrographic survey since the 1880's of the deep waters of Long Island Sound will be completed this year by NOS's fastest, most automated survey launch. The 59-foot craft, which operates up to speeds of more than 20 knots, will survey an 80-square mile area two miles off Long Island between Norton Point and Little Gull Island to the east. Twenty nautical charts are being revised and six new charts will be issued as a result of this project. Lt. Carroll D. North, Jr., and a four-man crew are conducting the survey. The five-year project started off Long Island Sound's Eaton's Neck and the Connecticut coast near Groton and has been conducted each summer or early fall since 1967.

Assistant Secretary Jobe Wins Distinguished Leadership Award



Larry A. Jobe

Larry A. Jobe, Commerce Department Assistant Secretary for Administration, was honored as one of the recipients of the Distinguished Leadership Award by the National Federal Government Accountants Association. The award is presented to persons judged as providing outstanding leadership and making extraordinary contributions to

the advancement of accounting and other financial management functions in the Federal Government. Mr. Jobe was nominated for this award for outstanding leadership in financial management in general, auditing and audit training; and effective management of financial personnel.

Knudson Heads Seismological Field Unit

Charles F. Knudson is now Acting Chief of the Seismological Field Survey in San Francisco. The San Francisco unit was previously headed by William Cloud, who retired. Mr. Knudson joined the National Ocean Survey in 1949 and has been with the San Francisco office since 1952.

\$10,000 NOAA Sea Grant Awarded To Study Stable Ocean Platforms

A \$10,000 NOAA Sea Grant has been awarded Poseidon Scientific Corporation of Hauppauge, N.Y., for a study of ocean platforms. The Sea Grant funds will be used to evaluate the state of the art of stable ocean platforms and to identify future requirements for such platforms.

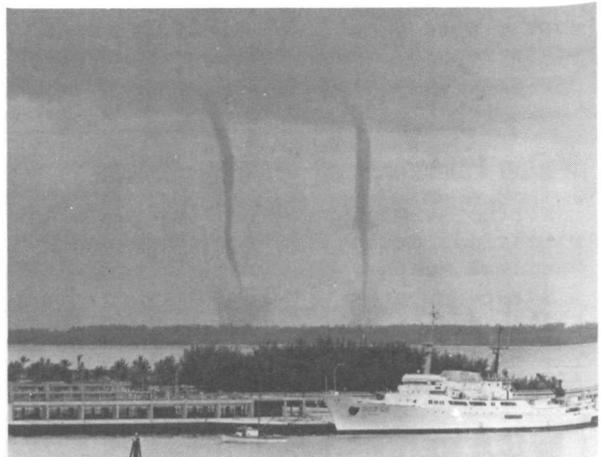
Hubert and Smith Are Study Group Members On First Garp Global Experiment

Lester Hubert and Dr. William Smith, of the Meteorological Satellite Laboratory, have been named members of the World Meteorological Organization's Joint Organizing Committee Study Group on the First GARP Global Experiment.

NWS/NBS Establish New Service For Atlantic and Pacific Sailors

The National Weather Service and National Bureau of Standards have established a new storm information service for deep-water sailors in the Atlantic and the Pacific. The new service consists of hourly broadcasts of up to 42 seconds each giving information about major storms that might produce trouble for ships at sea. The weather broadcasts are superimposed on Bureau of Standards time signals carried by stations WWV and WWVH. The broadcasts will be made around the clock. Station WWV will carry information about storms in the western North Atlantic. WWVH will list storms in the eastern and central part of the North Pacific. If there are no storm warnings in the designated areas, the broadcasts will so indicate. The brief messages are designed to tell mariners if there are storm threats in their areas--not to provide complete information. Mariners are expected to check with one of the regular marine broadcasts for details. The new storm information service for the Atlantic is now in operation; the Pacific service is slated to begin about August 1.

Twin Waterspouts Romp on Florida Waterfront



In photo above showing the NOAA Ship DISCOVERER in the foreground, stormy weather spawned twin waterspouts to churn up Atlantic Ocean spray and to play a game of tag on Key Biscayne, Fla., waterfront. The spouts spun down out of the black cloud of an electrical storm, crisscrossed and romped northward for about 15 minutes before breaking up on Crandon Beach. (Miami Herald)

Underwater Fisheries Assessment System Demonstration Held



The NMFS recently held a national demonstration of the Remote Underwater Fisheries Assessment System (RUFAS) at Cape Kennedy, Fla. NOAA employees attending the demonstration of the unmanned, towed underwater vehicle included: (Left to right) Dr. Edward F. Klima, Acting Di-

rector of the NMFS Exploratory Fishing and Gear Research Base at Pascagoula, Miss.; Paul Klatt, NOS; Robert Cummins, Donald Allen, and Raymond Maurer, NMFS; Jim Nickerson, NWS; Eugene Nakamura, Charles Hitz, Leonard May, Hilton Floyd, Frank Hightower, and Doyne Kessler, NMFS.

Standard Atmosphere Committee To Meet

Dr. Sidney Teweles, Chief of the National Weather Service's Data Acquisition Division; Maurice Dubin of NASA; and Norman Sissenwine of the U.S. Air Force, who are serving as cochairmen of the U.S. Committee on Extension to the Standard Atmosphere (COESA), are re-activating the committee in response to current requirements for updating the U.S. Standard Atmosphere, 1962. The Working Group of experts designated by the member organizations of COESA will meet Sept. 13-15 at the American Meteorological Society's headquarters in Boston, under the chairmanship of Dr. Luigi Jacchi of the Smithsonian Institution. NOAA representatives on the Working Group are: Dr. Adam Kochanski (ERL's Air Resources Laboratories); Roderick S. Quiroz (NMC's Upper Air Branch, NWS); and Dr. T. E. Van Zandt (ERL's Aeronomy Laboratory).

Committee Organized To Review Proposals On Flying Status for NOAA Corps Officers



Capt. John O. Boyer, Chief of the NOS Marine Chart Division, has been appointed by Don A. Jones, NOS Director, to head a committee to review and formulate proposals on policy regarding the assignment of commissioned officers to flying status. Others named to the committee are Cdr. Clinton D. Upham, Lt. Cdr. Le-land L. Reinke, Lt. Cdr. Walter S. Simmons, and Lt. John K. Callahan, Jr.

Oregon State Gets Largest Award In History of Sea Grant Program

The largest Sea Grant in the four year history of the program, \$1,700,000, has been awarded by NOAA to Oregon State University for its continuing program of research, education, and advisory services. The Oregon State program has grown at an unusually fast rate while maintaining very high quality, in pursuit of Sea Grant objectives directly related to Oregon marine requirements. It is conducted cooperatively with the University of Oregon School of Law in Eugene, Clatsop Community College in Astoria, and several agencies of the State of Oregon. Dr. Herbert F. Frolander is coordinator of the Oregon Sea Grant program.

Dr. Quinn, Lake Survey Scientist, To Present Paper at Iowa University



Dr. Frank H. Quinn

Dr. Frank H. Quinn, a Research Physical Scientist in the Water Quantity Branch of the Lake Survey's Great Lakes Research Center, will present a paper entitled "Hydraulic Study of the Upper Niagara River" at the 19th Annual Hydraulics Division Specialty Conference, August 18. The conference, sponsored by the American Society of Civil Engineers, will be held at the University of Iowa. Dr. Quinn's paper concerns three techniques used in the hydraulic analysis of large rivers--gage relationships, stage-fall-discharge equations, and mathematical models. All three methods were used in determining the effects of hydroelectric power operations on the Niagara River and Lake Erie. The paper also shows the advantages and limitations of the techniques, as well as recommendation for their further application.

Goodyear, Kluckman, and Wesley To Head Weather Service Offices



E.A. Wesley D.A. Kluckman H.V. Goodyear

Hugo V. Goodyear has been named Chief of the Office of Hydrology's Special Studies Branch at NWS headquarters. Formerly assigned to the Hydrometeorological Branch of the Water Management Information Division, Mr. Goodyear has had extensive experience with rainfall problems and with tropical-weather phenomena. A graduate of the University of Tampa, he has also studied at the University of Florida and the University of Chicago.

Donald A. Kluckman is now official in charge of the Pueblo, Colo., Weather Service Office. Mr. Kluckman, who was stationed at the Rockford, Ill., Weather Service Office, replaced Loren J. Allison, who retired. Prior to his Rockford assignment, Mr. Kluckman served at Cold Bay, Alaska; Santa Catalina Island, Calif.; and Salt Lake City, Utah. In addition to his experience with NWS, he served four years in aerography in the U.S. Navy.

Ervin A. Wesley has been assigned to the official in charge position at South Bend, Ind. He entered the weather service at South Bend in 1942. All of his civilian weather experience has been at the South Bend office, with the exception of three years in the U.S. Army Air Corps.

Climatic Center To Monitor Health Program At Civil Service Commission Request

The Civil Service Commission has requested EDS' National Climatic Center to administer an Occupational Health Program to serve the 700 to 900 employees in some 12 to 14 Government agencies in the Asheville, N.C., area. Target date for implementation of the program is January 1, 1972, or earlier. The General Services Administration has allocated space in the Asheville Federal Building and the Public Health Service has prepared specifications for use of the space.

NCC Digitizers Available For Use by NOAA Offices



NCC employee uses Large Area Record Reader to digitize Northern Hemisphere weather map.

EDS' National Climatic Center in Asheville, N.C., operates three semi-automatic digitizers and an electroplotter that are available for use by other NOAA components on a reimbursable basis. The digitizers--two Large Area Record Readers--Vertical (LARR-V) and one OSCAR S-2--are used to digitize data from surface and upper air, loran, and rainfall charts and analyses; autographic wind, pressure, and temperature records; and strong motion accelerograms. They may be used to digitize similar graphic records. The Large Table Electroplotter is used to prepare a variety of charts and graphs and to verify data that has been digitized.

The LARR-V units have a 48" x 60" reading area; accuracy of 250, 500, and 1,000 counts per inch in both x and y coordinates; output to an IBM keypunch and/or electrotyper; and patch-boards to prepare almost any chart format. The OSCAR S-2 has a 20" x 20" reading area; accuracy of 500 or 1,000 counts per inch for the x and y coordinates, and the same output capability as the LARR-Vs.

For additional information, contact J. M. Meserve, Chief, Climatic Analysis Branch, National Climatic Center, Asheville, N.C. 28801. (FTS) 704-254-0266.

WHITING Joins in Safe Boating Observances

As a prelude to National Safe Boating Week, the NOAA Ship WHITING participated in a "Safety on the Water Day" in Philadelphia, Pa., sponsored by the Delaware Valley Safe Boating Council. The ship is commanded by Cdr. Charles H. Nixon.

Measurement System Tested To Aid Tsunami Warning

A prototype tide-tsunami measurement system, using sensors much more sensitive than the standard tide gages, is being tested in the Pacific as part of a research effort to improve the Tsunami Warning System. The sensors have been installed on Oahu, Wake Island, and Minami Tori Shima (Marcus). Dr. Gaylord R. Miller, Director of NOAA's Joint Tsunami Research Effort, and Dr. Martin Vitousek of the University of Hawaii have developed the new sensors which have been placed offshore away from harbors. The Tsunami Warning System is operated from Honolulu by the Environmental Research Laboratories. Dr. Miller said the new gages, termed "micro-tsunami measurement system," represent a prototype of what would be desirable at all small islands in the Tsunami Warning System.

McNeely Receives Seattle Award As Outstanding Federal Employee



Richard L. McNeely (left), Chief of the NMFS harvesting efficiency program at the Seattle Exploratory Fishing and Gear Research Base, has won an "Outstanding Federal Employee of the Year Award" in the "Outstanding Civil Servant" category for creative work in fishery harvesting technology.

Mr. McNeely's contributions to fisheries work include such innovations as a biological dredge for collecting samples of invertebrate animals; a sampling system for capture of mid-Pacific juvenile tuna for life history studies; giant fykenet for study of mortality of salmon fingerlings during passage through hydroelectric turbines; telemetry system for monitoring fishing depth of nets; shrimp separator trawls that capture shrimp; deepwater sablefish traps; and a universal trawl that can be used either for midwater fishing or bottom fishing. An electronics engineer, Mr. McNeely has published 20 technical articles on fishery science.

Pacific Area Shipowners Honored With NWS Public Service Awards



Left to right: A. F. Gustafson and Worth B. Fowler.

The National Weather Service recently presented Public Service Awards to shipowners in the Pacific area for furnishing reports from vessels at sea. The shipping lines honored at ceremonies held at a meeting of the Propeller Club in Oakland, Calif., were: American President Lines, Chevron Shipping Company, Matson Navigation Company, Pacific Far East Line, and States Steamship Company. The awards were presented by Arthur F. Gustafson, meteorologist in charge, National Weather Service Forecast Office, San Francisco, Calif. Accepting the



Left to right: A. F. Gustafson and E. A. Johnson.

awards were: L. C. Ford, President, Chevron Shipping Co.; Leo C. Ross, President, Pacific Far East Line, Worth B. Fowler, President, American President Lines; E. A. Johnson, Vice President, States Steamship Co.; A. J. Haskell, Vice President, Engineering and Marine Operations, Matson Navigation Co. Other officials present included John H. Reading, Mayor of Oakland; James J. Reynolds, President of the American Institute of Merchant Shipping; and Frank Ewers, new President of the Propeller Club, Port of San Francisco.

Earthquake Seminar Ends in Boulder

A three-day seminar on NOAA earthquake research programs ends today in Boulder, Colo. Participants include L. R. Allredge, Director, Earth Sciences Laboratories; Don Tocher, Director, Earthquake Mechanism Laboratory; James F. Lander, Chief, National Earthquake Information Center; L. S. Baker, Chief, Office of Geodesy; C. A. Whitten, Chief Geodesist, National Ocean Survey; Gaylord Miller, Director, Joint Tsunami Research Effort; Wendell Mickey, Acting Chief, Seismology Division; S. T. Algermissen, Chief, Geophysics Research Group; and Kenneth King, Chief, Special Projects Party.

EDS Men Present Papers at Missouri U.

Drs. James J. Rahn, Gerald L. Barger, Augustine Y. M. Yao and James D. McQuigg of EDS' Laboratory Environmental Data Research presented papers at the joint meetings of the First Biometeorology Conference and the Tenth Agricultural Meteorology Conference held at the University of Missouri.

Ensign/Larcom Forecast for Soaring Meet

Quality control officer Les Ensign and forecaster Gene Larcom, of the Seattle National Weather Service Office, are providing weather support to the National Soaring Meet at Ephrata, Washington.

National Oceanic and Atmospheric Administration

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