



noaa week

National Climatic Center

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Volume 6 Number 11

Coast Pilot Inspection Scheduled

A four-month inspection of marine and navigational facilities from Cape Henry, Va., to Key West, Fla., will be conducted for a new edition of the Coast Pilot for that area.

Beginning next month, Lt. (jg) Pamela R. Chelgren will visit such ports as Charleston, S.C.; Wilmington, N.C.; and Miami, Port Everglades, Palm Beach, Jacksonville and Key West in Florida, in making the inspection.



Lt. (jg) Chelgren

Coast Pilots are publications issued for commercial shipping and recreational boating by the National Ocean Survey. They contain important navigational information which cannot be shown graphically on the nautical charts including information details concerning waterways, harbors, anchorages, navigation regulations, weather, marine and port facilities, routes and prominent landmarks.

Lt. (jg) Chelgren will meet with officials of Federal, state

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Fish Consumer Interest Stimulated

Something new is being tried in the National Marine Fisheries Service Southeast Region to stimulate consumer interest in the seasonally abundant—and usually economical—freshly caught seafood of coastal North Carolina. Diane Natale, sponsored by the Coastal Plains Commission, North Carolina Department of Natural and Economic Resources and NOAA, is collecting timely news of fish and shellfish landings and distributing the information by radio broadcasts and other news media. She is supervised and assisted by Harry Davis, Ken Harris and Linda Hardy of the NMFS Division of Statistics and Market News and provided space at the Atlantic Estuarine Fisheries Center in Beaufort, N.C.

Ms. Natale telephones participating seafood dealers every weekday morning to learn the kinds and amounts of seafood landed during the previous 24 hours. This information is compiled for a report on the situation in North Carolina and supplied to the North Carolina Department of Agriculture for inclusion in its daily products report to news services.

She telephones a daily "Commercial Fishing Report" to radio

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Coastal Zone Planning To Be Coordinated

Surveys Underway Off California

From now through April, the NOAA Ships Fairweather and Rainier will again conduct nautical charting surveys of southern California waters in a long-range program to update navigational information for the entire west coast.

The program is designed to modernize information on the location and extent of underwater features along the coast. Survey information will provide a new data base for coastal and sailing charts and will be available for ecological, engineering and other scientific studies associated with the prediction and development of the ocean environment of the coastal zone and the Continental Shelf.

The Rainier, commanded by Commander Charles K. Townsend, will survey in the waters of the channel islands—San Nicolas, Santa Barbara and Santa Catalina. The Fairweather, commanded by Commander Richard E. Alderman, will survey between the shoreline and the 110-fathom (660-foot) curve, from just north of Newport Beach toward the Long Beach-Los Angeles area.

An agreement to help coastal states coordinate their planning and management activities assisted by NOAA and the Department of Housing and Urban Development's Office of Community Planning and Development has been signed in Washington, D.C.

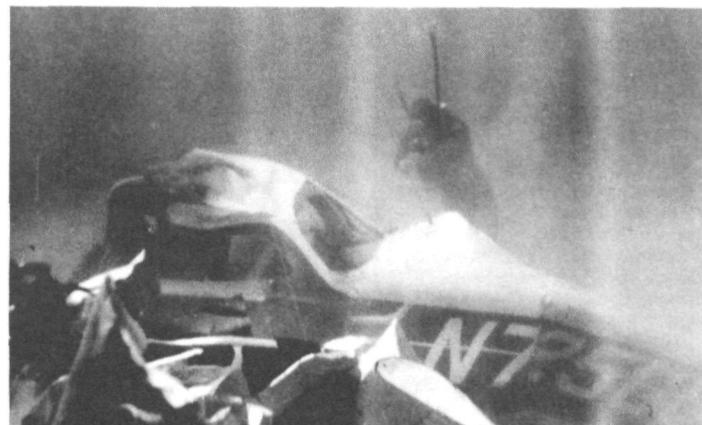
The joint agreement for coordination was signed February 19, by Robert W. Knecht, NOAA's Assistant Administrator for Coastal Zone Management, and David O. Meeker, Jr., HUD's Assistant Secretary for Community Planning and Development. The agreement is expected to help make state planning and management more effective and less costly for coastal areas.

Both agencies are involved in assisting states develop comprehensive planning programs. OCZM is concerned specifically with helping states create programs for managing the lands and waters in their coastal zones. HUD, with its recently added mandatory land use element, provides financial assistance to comprehensive planning at the state, regional and local levels of government.

A key element of the agreement, which is expected to simplify state efforts, is HUD's willingness to accept approved coastal zone management pro-

(Continued on page 2)

AOML Divers, Virginia Key Locate and Recover Wrecked Plane



Two days after it crashed into the ocean off Miami Beach, Fla., the wreckage of a small private plane, still containing the body of one of its four passengers, was located by divers from the Environ-

mental Research Laboratories' Atlantic Oceanographic and Meteorological Laboratories, and winched to the surface by the NOAA Ship Virginia Key. See story and photo on page 3.

calendar of events

March 24-25 Zmuda Memorial Conference on Colorado Springs, Colo. Geomagnetic Field Models, sponsored by the American Geophysical Union, National Aeronautics and Space Administration, Society of Exploration Geophysicists, and U.S. Geological Survey. (Cynthia Beadling, AGU, 1909 K St., N.W., Washington, D.C. 20006. 202-331-0370.)

April 2-4 Southeastern Conference on Water Supply Wrightsville Beach, N.C. and Wastewater in Coastal Areas. Sponsored by Coastal Plains Center for Marine Development Services, Coastal Plains Regional Commission, and Sea Grant Program and Water Resources Research Institute, University of North Carolina, in cooperation with Sea Grant Program, University of Georgia; Environmental Resources Center, Georgia Institute of Technology; Sea Grant Program, South Carolina Marine Resources Center and Water Resources Research Institute, Clemson University. (F. Eugene McJunkin, University of North Carolina Water Resources Research Institute, 124 Riddick Building, North Carolina State University, Raleigh, N.C. 27607. 919-737-2815.)

May 6-8 Topical Conference on Quantitative Southern California Magnetospheric Models, sponsored by the American Geophysical Union. (Cynthia Beadling, AGU, 1909 K St., N.W., Washington, D.C. 20006. 202-331-0370.)

May 12-16 First International Symposium on Acid Columbus, Ohio Precipitation and the Forest Ecosystem. Sponsored by U.S. Forest Service and Atmospheric Sciences Program, Ohio State University. (Dr. Leon S. Dochinger, U.S. Forest Service Laboratories, P.O. Box 365, Delaware, Ohio 43015.)

May 14-16 "Computer Graphics, Pattern Recognition, Beverly Hills, Calif. and Data Structure" conference offered by IEEE Computer Society and the Association for Computing Machinery. (Department of Continuing Education in Engineering and Mathematics, University Extension, UCLA, Los Angeles, Calif. 90024. 213-825-1295 or 3344.)

May 20-23 18th Conference on Great Lakes Research/ Albany, N.Y. Annual Meeting, International Association of Great Lakes Research. Sponsored by New York Sea Grant Institute and State University of New York at Albany. Papers related to the physical, chemical, biological, engineering and socio-economic problems of the Great Lakes will be presented. (Ms. Marian N. Steinberg, Conference Coordinator, New York Sea Grant Institute, State University of New York, 99 Washington Avenue, Albany, N.Y. 12210. 518-474-5787.)

June 16-20 56th Annual Meeting of American Geo- Washington, D.C. physical Union. (Cynthia Beadling, AGU, 1909 K St., N.W., Washington, D.C. 20006. 202-331-0370.)

June 26-28 National Symposium on Precipitation Davis, Calif. Analysis for Hydrologic Modeling, Sponsored by Precipitation Committee of the AGU

Section of Hydrology. (Dr. Eugene L. Peck, Chairman, AGU Committee on Precipitation, Hydrologic Research Laboratory (W207) NOAA, National Weather Service, Silver Spring, Md. 20910. 301-427-7619.)

September 10-12 The Third Biennial Workshop on Fisheries Seattle, Wash. Research: Petroleum Hydrocarbons in the Marine Environment. Sponsored by NOAA Marine Fisheries Service, Environmental Conservation Division (EC) Seattle. Papers are invited on physiology and toxicology; transport mechanisms within the food web; analytical techniques; and distribution of hydrocarbons in the marine environment. Attendance will be limited to about 75 participants, and papers will be by committee selection. Proposed abstracts and preliminary registration due by April 20: (Dr. William T. Roubal, Chairman, NMFS, NOAA, NWFC-EC Division, 2725 Montlake Blvd. E., Seattle, Wash., 98112. (206) 442-7737.)

September 14-19 The Third Joint Conference on Sensing of Las Vegas, Nev. Environmental Pollutants originally scheduled for November 10-13 and the International Symposium on Environmental Monitoring originally scheduled for September 14-19 have been combined into the International Conference on Environmental Sensing and Assessment to take place in Las Vegas, Nevada. Co-sponsors include the World Health Organization (WHO), Institute of Electrical and Electronic Engineers (IEEE), American Chemical Society, American Institute of Aeronautics and Astronautics, American Meteorological Society, Environmental Protection Agency, Instrument Society of America, National Aeronautics and Space Administration, NOAA, and the Department of Transportation. Technical sessions will be structured by air, land, water, biology, and exposure monitoring; discussions will focus on critical interdisciplinary problem areas such as climate change, energy, health and sources and pathways of marine pollution. (Dr. C. E. Jensen, EM, NOAA, Room 825, WSC-5, Rockville, Md. 20852. 301-496-8646.)

Coast Pilot Inspection Scheduled

(Continued from page 1) and local marine navigation agencies, including Coast Guard and Navy personnel, port authorities, harbor masters, merchant seaman, pilots and others involved in marine affairs and regulations.

The field inspector will also examine marinas and their facilities, question the Army Corps of Engineers regarding plans for deepening channels, confer with Customs, Immigration and Naturalization, and Public Health officials regarding regulations and inspection re-

quirements, and talk to port authorities on such varied subjects of interest to mariners as the depth of water at piers and regulations concerning anchorages.

Inspections are conducted about every five years to update the eight Coast Pilot publications.

Between 1885 and 1889, four local Coast Pilots were published covering the Atlantic Coast from Cape Henry to Key West. The first complete edition of the area was published in 1895. Since then, 15 additional editions have been published, the most recent in 1970.

best fish buys

According to the NMFS National Fishery Education Center in Chicago, the best fish buys for the next week or so are likely to be fresh scallops and small shrimp along the Northeast Seaboard; fresh fluke and sea bass in the Middle Atlantic States, including the D.C. area; fresh mackerel and shrimp in the Southeast and along the Gulf Coast; ocean perch fillets and fresh smelt in the Midwest; Pacific red snapper and whiting fillets in the Northwest; and butterfish and squid in the Southwest.

NOAA, HUD To Coordinate Coastal Planning

(Continued from page 1) grams as meeting the minimum land use planning requirements

Thrifty Mail Habits

Thrifty mail habits of persons preparing outgoing mail can add up to substantial savings for NOAA. When you prepare your mail, always consider the nature and urgency of the contents and consult NOAA Circular 74-85 to select the proper and most economical class of postal service to use. Mark your envelope or label as indicated in the Circular.

necessary for states to remain eligible in HUD's 701 program.

In effect, coastal zone management programs approved by the Secretary of Commerce would constitute accepted portions of HUD land use elements for the geographic areas concerned.

The two agencies also agreed that both HUD and OCZM will participate in reviewing state coastal zone management and 701 program applications; that the staffs of both agencies will work towards establishing procedures to facilitate development of both programs; and to explore the possibility of joint funding of pilot projects within coastal states.

noaa week

Published weekly at Rockville, Md., by the Office of Public Affairs for the Department of Commerce and the Department's National Oceanic and Atmospheric Administration.

Articles to be considered for publication should be submitted at least a week in advance to NOAA Week, Room 221, WSC-5, Office of Public Affairs, National Oceanic and Atmospheric Administration, Rockville, Md. 20852.

NOAA Week reserves the right to make corrections, changes or deletions in submitted copy in conformity with the policies of the paper or the Administration.

Catherine S. Cawley, Editor
Anna V. Feiter, Art Director

ERL Awards Grant For Atmospheric Water Vapor Study

A \$17,600 grant for research on designing improved radiometers for atmospheric water vapor measurements has been given to the University of Oregon by the Environmental Research Laboratories.

The grant recipients are Dr. Russell J. Donnelly, a professor in the Department of Physics, and co-principal investigators, Dr. Ira G. Nolt and James V. Radostitz, research associates in the same department.

A joint effort has been underway between the University of Oregon, the National Aeronautics and Space Administration, and NOAA during the past two years to develop more complete information on infrared emissions and water vapor content of the stratosphere.

The scientists are hoping to refine methods of measuring water vapor changes as part of the highly complex chemical reaction studies involving ozone, nitrogen oxides, and water vapor products. Water vapor changes occurring in the atmosphere are caused both by man's activities—for example, high-altitude jet aircraft—and nature's—for example, thunderstorms.

"We have considerable interest relating the results of our simultaneous spectroscopy and radiometer calibration comparison program to the airborne radiometric water vapor studies of the atmosphere by Dr. Peter M. Kuhn of NOAA's Atmospheric Physics and Chemistry Laboratory," says Dr. Donnelly.

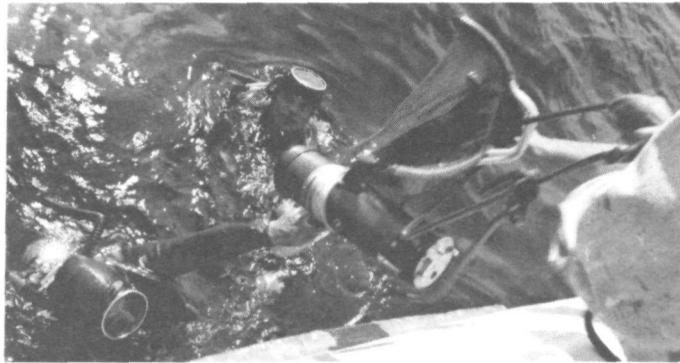
This information is critical to NOAA's cooperative research with the NASA Airborne Infrared Observatory—a NASA C-141A Starlifter—used for viewing deep space infrared celestial sources such as the Egg Nebula in Orion. A coordinated program of simultaneous observations by these two different methods can provide an important test of the relative and absolute accuracy for the measurement of water vapor.

NOVAC Schedules Dinner-Dance

The NOVAC annual meeting and dinner-dance will be held at Walter Reed NCO Club on March 22 at 6:30 p.m. All members and non-members are invited. Admission is \$7.00 per person, and there will be a cash bar. Reservations must be made with Area VP's by March 19, as space is limited.

FOUND: Two 50-foot rolls of 8 home movies have been forwarded by mistake to the Public Affairs Office. Owner please call Jeff Baker, 496-8243.

ERL Ship and Divers Locate And Recover Downed Plane



Divers Rutkowski and DeVivo returning the 70 mm underwater camera to the Virginia Key after photographing the wreckage on the sea floor.

On February 27, the Environmental Research Laboratories' Atlantic Oceanographic and Meteorological Laboratories in Miami, Fla., received a formal request from the National Transportation Safety Board (NTSB) to search for a small private plane that crashed in the ocean about two miles off Miami Beach with four young people aboard.

The next morning, the NOAA Ship Virginia Key, captained by Burnham Neill, began the first day's futile search. Aboard were an NTSB representative, three divers—ERL's Diving Officer Richard Rutkowski, Lt. Roger

DeVivo and Lt (jg) Richard Permenter, and crewmen Thomas R. Morrissey and James P. Connor.

The following day, while being towed at a depth of 75 feet in an area where a helicopter hired by the father of one of the victims had spotted a small slick, divers Rutkowski and DeVivo spotted the wreckage on the ocean floor, some 25 feet below.

They attached lines to it, and the Virginia Key winched it to the surface, where it was subsequently transferred to a Coast Guard buoy tender for return to shore.

Interagency Water Data Acquisition Working Groups Meet

The first meeting of the interagency working groups on recommended methods for water data acquisition met recently in Washington, D.C. Harold S. Lippman, Data Requirements Program Leader in the National Weather Service Hydrologic Services Division, was Chairman of Working Group 8 (Evaporation and Transpiration), and William I. Pogermon, Substation Program Manager in the NWS Data Systems Division, chaired Working Group 10 (Hydrometeorological).

Dr. Terrell L. Noffsinger, Chief of the Agricultural Weather Services Branch in the NWS Meteorological Services Division, was a member of Working Group

6 (Soil Moisture), and Wendell K. Shoun, Substation Program Specialist in the Data Systems Division, was a member of Working Group 10.

The purpose of the three-day meeting was to recommend methods for acquiring water data and establishing methods which have wide applicability and acceptability in meeting the requirements for precision and accuracy of the data-acquiring and data-using agencies.

The groups were set up by the Coordinating Council for Methods of Water Data Acquisition, an interagency group established by the Office of the Federal Coordinator for Meteorological

Ag Weather Program Expanded

The National Weather Service has expanded its agricultural weather forecast program for the states of Tennessee, Mississippi, and Louisiana to cover all portions of the states. Previously the program centered on only the large agricultural producing areas of the states.

The forecasts will be modeled after those in Arkansas, where statewide agricultural forecasts have been issued for some time, and will include such specific agricultural elements as drying conditions, dew points, vegetative wetness, and duration of sunshine.

This added service will help users, especially those outside the intensive agricultural areas make better operational decisions. According to John A. Riley, Jr., Chief of the NWS Southern Region Meteorological Services Division, it has been estimated that agricultural weather forecasts save farm interests millions of dollars each year. The increase in forecast service areas will benefit many more agricultural interests as well as the consumer.

Services and Supporting Research, which is headed by Dr. Clayton E. Jensen, NOAA's Deputy Associate Administrator for Environmental Monitoring and Prediction, and the Federal Advisory Committee on Water Data.

NOAA's representative on the Council is Ralph F. Kresge, Deputy Director of the National Weather Service Office of Hydrology. Tillman F. Gladney, Chief of the Basic Observation Branch in the NWS Data Systems Division, represents the Interagency Committee on Meteorological Services (ICMS) on the Council. He also served as Chairman pro tem of Working Group 10 for the meeting.

Gerald A. Petersen, Director of the Office of Meteorological and Hydrological Services in the Office of Environmental Monitoring and Prediction, is Chairman of ICMS.



Working Group 10 members Forest Service; Mr. Shoun; Mr. were (from left) Gregg C. Lusby, Geological Survey; Arnold (Vice-Chairman), Bureau of Wexter, National Bureau of Standards; Edward A. Johnson, Laraway, Corps of Engineers.



Mr. Lippman Dr. Noffsinger

notes about people



A DEPARTMENT OF COMMERCE BRONZE MEDAL was presented recently to John D. Kaylor (center), a Program Leader at the National Marine Fisheries Service Northeast Utilization Research Center in Gloucester, Mass., by Center Director Louis Ronisvalli (left). Mr. Kaylor was cited for "demonstrated rare and exceptional capability as a fisheries expert." At the right is Mrs. Kaylor.



Mr. Pack



Mr. Rondy

Donald R. Rondy, Chief of the Lake Survey Center's Water Levels Branch in Detroit, Mich., recently was interviewed by Canadian TV Station CLKW-TV, Channel 9 in Windsor. In the taped interview, shown on February 12, Mr. Rondy answered questions concerning the Great Lakes' water levels—using the weekly forecast—and the effect of storms on the western shore of Lake Erie.

Frank Makosky, who was formerly Meteorologist in Charge of the Regional Warning Coordination Center in Fort Worth, Tex., has been selected to head the National Weather Service Forecast Office at Little Rock, Ark. He fills the vacancy created by the transfer of Dr. E.V. Jetton to New Orleans, La.



Mr. Makosky

Donald H. Pack, Director of Geophysical Monitoring for Climatic Change in the Environmental Research Laboratories' Air Resources Laboratory, has been appointed Chairman of the American Meteorological Society Committee on Meteorological Aspects of Air Pollution. As Director of the GMCC Program, Mr. Pack has been responsible for establishing a network of observatories equipped to measure atmospheric properties linked to long term climatic change at "clean air" locations around the world.



ADRIENNE DUMAS, A CO-OP STUDENT WORKING UNDER THE NOAA CORPS and presently assigned to the Marine Data Systems Project in the National Ocean Survey, recently spoke to Roosevelt Senior High School students in Washington, D.C., on NOAA Corps opportunities. Ms. Dumas discussed the relationship of high school subjects to NOAA and NOS professional work and explained the techniques used to develop nautical charts from shipboard operations to production. Ms. Dumas, shown here with Commander Ray E. Moses, Manager of the Marine Data Systems Project, expects to receive her B.S. in computer science from Spelman College in Atlanta, Ga., in May. Her home is in Washington, D.C.

Dr. Michael A. Heeb has been appointed Assistant Program Manager for NOAA's Marine Advisory Service within the Office of Sea Grant. Previously he was Assistant Professor of Marine Biochemistry and Diving Safety Officer with the Institute of Biomedical Research at the University of North Carolina in Wilmington. He received his Ph.D. in biochemistry from the University of Florida and has been actively involved in research into chemo-reception of echinoderms and in studies of coral reef metabolism.

Michael R. Riches, Solar Radiation Specialist in the Data Systems Division of the National Weather Service, attended a Solarimetry Workshop held in Rio de Janeiro, Brazil, February 24-28, at the invitation of the Brazilian Government. The workshop brought together solar radiation specialists from several Brazilian Government agencies and universities, and the U.S. The other U.S. specialists were Dr. William H. Klein, Director of

the Radiation Biology Laboratory at the Smithsonian Institution, and Dr. Matthew Thekaekara of the National Aeronautics and Space Administration's Goddard Space Flight Center.

The participants discussed assessment and rehabilitation of existing Brazilian solar radiation data; mapping solar radiation with models and/or satellite data; and a solar radiation monitoring network for Brazil.

Four pilots from the Coastal Mapping Division of the National Ocean Survey attended the recent Canadian Forces Ground School on the Canadian-built DeHavilland Buffalo Aircraft. They were Lt. Cdrs. Lowell L. Genzlinger, Charles N. Whitaker, Bernard N. Mandelkern, and Melvyn C. Grunthal.

The course covered the operation of the aircraft systems and procedures in the operation of the Buffalo, which the Coastal Mapping Division of the Office of Marine Surveys and Maps uses in taking aerial photographs.



Members of the 5th Office of Management and Computer Systems Computer Operator Training Class were (back row) John Claggett, William Marshall, (front row, center) Roosevelt Roach, and (not in photo) Michael Wyche. Since completing the course, all have been assigned to shifts and have been

promoted. Mr. Claggett has recently transferred to the National Institutes of Health.

On the left above is Wallace Blackwell, Chief of OMCS' Facility Operations Division, and on the right is Donald Mills, Chief of the Division's Computer Operations Section.

Fish Consumer Interest Stimulated



(Continued from page 1)

stations WMBL in Morehead City, WKLM in Wilmington, and WEEW in Washington, which they tape and broadcast during the day. A weekly summary re-

port is taped and mailed to four other stations, and several television stations are planning to use the report on their daily news telecasts.

Summary reports also are mailed weekly to participating newspapers and news media food editors in North Carolina, and the information also appears in NMFS Market News Reports from New Orleans and New York.

It is too soon to measure the effects of the trial one-year project, but the initial response by the public and news media been encouraging, according to Mr. Davis.



National Oceanic and Atmospheric Administration

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