

U.S./France Plan Joint Ocean Study

Joint scientific and technical cooperation in four areas of oceanography will be carried on by French and U.S. scientists over the next two years as a result of planning meetings held recently in Bandol, France.

Major projects approved at the meeting include a two-year study of seafloor spreading in the Pacific, exchange of information on means of controlling oil pollution, marine environmental research, and research in diving medicine.

Head of the U.S. delegation was David H. Wallace, now Acting Assistant Administrator for Fisheries. The French delegation was led by Yves La Prairie, General Director of CNEOX (Centre National pour l'Exploitation des Oceans).

The East Pacific Rise at 21 degrees north latitude off the coast of Mexico will be the site

(Continued on p. 2)

Weather Buoys Developed for GWE



Research organizations in the East and in California are independently developing meteorological drifting buoys to be used in the Global Weather Experiment, in 1979.

NOAA's Office of Ocean Engineering has awarded a \$275,000 contract to American Electronic Laboratories, Inc., of Lansdale, Pa., and one for \$237,189 to Polar Research Laboratory of Santa Barbara, Calif.

Each contractor will provide six buoys capable of measuring barometric pressure and ocean sea surface temperature, and transmitting that data via NOAA satellites to communications stations ashore.

The Global Weather Experiment in 1979 will be the most comprehensive global observational program of tropospheric, stratospheric, and sea surface conditions ever attempted. NOAA has major responsibility for the United States' participation in the program.

The contracts were awarded by the NOAA Data Buoy Office in Bay St. Louis, Miss.

Bad weather didn't stop the crowds from attending the NOAA Open House at the NOS Atlantic Marine Center in Norfolk, Va. More Open House pictures on pages 4 and 5.

EDS's NewsBank Service Tracks News Affecting NOAA

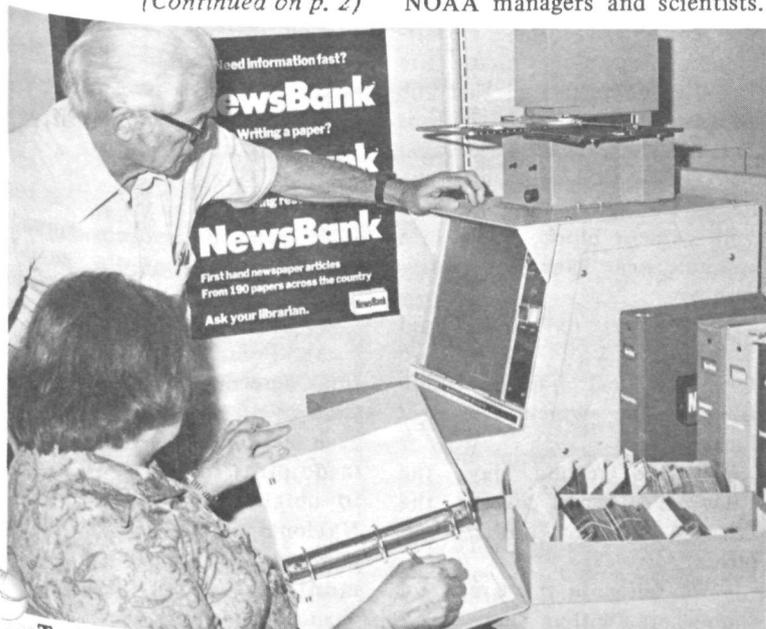
The Library and Information Services Division (LISD) of EDS' Environmental Science Information Center announces a new information capability: NewsBank, a service that can deliver upon request articles published by 190 U.S. newspapers on topics of interest to NOAA managers and scientists.

NewsBank relies upon printed indexes to identify relevant articles and point the user to the original news item reproduced on an accompanying microfiche. Microfiche are organized by subject so articles on a given topic can be scanned quickly and easily.

LISD is providing NEWS-Bank coverage in six broad areas: business and economic development, consumer affairs, employment, environment, government structure, and transportation. Articles for 1977 are available for all six areas. In addition, environment, government structure, and transportation coverage is provided for 1976 as well.

The NewsBank service provides a way to track news events that affect NOAA in the performance of its mission. Because indexes are issued monthly, they allow news to be monitored almost as it occurs. Newspapers for 130 cities in all 50 states are represented, providing information at local levels.

NewsBank can be used, for
(Continued on p. 2)



Technical Information Specialist Henry Hacia and Librarian Martha Rouse, EDS Library and Information Services Division, use the NewsBank index to identify articles of interest from more than 190 U.S. newspapers, representing all 50 states.

Rude/Heck Find Wanted Shrimp Boat

Rude and Heck, the two NOAA wire-drag vessels designed to sweep for underwater navigation hazards, early this month located the 70-foot sunken shrimp boat believed connected with smuggling operations, during a search in the Gulf of Mexico, 19 miles due west of Tampa Bay, Fla.

The FV Gunsmoke was found in 84 feet of water at about sunset. Rude and Heck
(Continued on p. 2)

NOAA Women Will Hold Noon Meeting Dec. 2 in Rockville

At noon on December 2, there will be an open meeting for all employees interested in improving the status of women in NOAA. The meeting will be held in Rm. 926, Bldg. 5, in Rockville. A film featuring Helen Reddy, "We Are Woman," will be shown.

This is the third in a series of meetings on the formation of a woman's organization in NOAA. Previous noon sessions in August and September focused on several avenues for organizing.

A panel of representatives from the Commerce Committee for Women (CCW), Federally Employed Women (FEW), and Ellen Overton, NOAA Federal Women's Program Coordinator,

spoke to the first gathering of more than 60 people. The meeting was called by Ann Terbush and Mildred Corbin of Admin, with the cooperation of Ellen Overton.

The September discussion on the same topic, resulted in the formation of a "steering committee" to plan future activities.

A questionnaire to assess employee interests has been developed, and will be distributed to those attending on December 2. The group currently is concentrating on women and men in the Rockville area, but encourages participation by all NOAA employees who can attend. For further information, call Ann Terbush-443-8197.

Polish and Canadian Ships Cooperate in Fish Studies

NOAA Ship Miller Freeman recently hosted a cookout for the Polish and Canadian research vessels that cooperated in comparative fish population studies off the coast of Washington.

Twenty-five visitors from the Polish research vessel Pfoesor Siedlecki and 14 visitors from the Canadian research vessel G. B. Reed toured the Miller Freeman and enjoyed a cookout on the stern of the ship. Included

among the guests were Captain and Mrs. Babiak of the Pfoesor Siedlecki, Chief Mate William Sutherland of the G. B. Reed and officers and scientists from both ships.



Cookout at Miller Freeman

NewsBank (From p. 1)

example, to trace activities triggered by catastrophes such as oil spills. States or regions that have held hearings, set up study commissions, or issued reports can be readily identified. Information on lawsuits and court orders can be found.

NewsBank indexes and microfiche are located in the LISD Central Building, WSC-4, Rockville. The complete set occupies less than three feet of shelf space in a study carrel adjacent to a microfiche reader-printer. LISD User Services staff are available to assist users with NewsBank. Request for searches also can be made by calling (FTS) 443-8330.

The three ships conducted comparative fish population studies. Using three different hydroacoustic systems in conjunction with the comparisons, track lines were run with the ships steaming in line at half-mile intervals. Despite obvious language difficulties and ship handling characteristics, the intercomparisons went extremely well, according to R. Adm. E. A. Taylor, NOS's Pacific Marine Center Director.

Coastal Energy Impact Program Grant Will Help Hospital

A million dollar grant from NOAA's Office of Coastal Zone Management will help equip a new hospital in Louisiana.

The \$1,001,400 Coastal Energy Impact Program grant will be used to purchase emergency room and clinic equipment for Our Lady of the Sea General Hospital in Lafourche Parish, La., approximately 25 miles north of the Gulf of Mexico and 40 miles from New Orleans.

More than half of its patients are employees, or their dependents, of energy-related companies operating in Outer Continental Shelf activities. Sometimes injured are flown in from OCS oil rigs as far as 75

miles out in the Gulf.

Our Lady of the Sea is building a new 45-bed hospital to replace the existing 21-year-old structure which is unable to accommodate the demand expected from expanding offshore development.

The Coastal Energy Impact Program is designed to provide coastal states and local communities financial assistance to deal with the effects of new or expanded coastal energy activity. The CEIP seeks to strike a balance between the national objective of achieving increased energy self-sufficiency and of protecting and managing the Nation's coastal resources.

Rude/Heck (From p. 1)

Commanding Officer, Lt. Cdr. Robert V. Smart, said, "It was a classic drag. The water was absolutely flat top and the air was perfectly still."

The first diving team, Lt. Cdr. Tom Ruzsala and Ens. Samuel DeBow, noted the least depth of the wreck at 48 feet, and that she was on a fairly even keel. Lt. Cdr. Smart and Ens. Charles Gross, of the second diving team, attached a marker buoy to the wreck.

The search for the FV Gun-smoke began November 5 at the request of Florida's Department of Natural Resources. The Department estimated that the sunken vessel contained 18 tons of marijuana. Authorities also said that the ship may be linked to four bodies, weighted with cement block, found in a sinkhole near Panama City this summer.

"The first day out," said Smart, "swells were 5-6 feet...not ideal dragging conditions." The wreck was not located.

On the second day, the Rude and Heck covered the Loran-A position, but still no luck.

"We felt sure the wreck lay somewhere within that area," said Smart.

About 20 minutes before taking in the drag line, on the third day, the Rude and Heck

got a "hang," and divers from the Florida Marine Patrol and Heck went down immediately.

It was a diver's delight," said Ens. DeBow, "a virgin wreck with calm water and good visibility. There was a 6-foot jewfish, hundreds of groupers and schools of fish. Barnacles had started to form on the wreck."

Study (From p. 1)

of a major seafloor spreading study, to be carried out with the participation of Mexican scientists. The East Pacific Rise in that area is a rapidly spreading undersea ridge connected with the extensive geologic fault system along the U.S. west coast. Scientists from France, Mexico, and the U.S. hope to learn more about the mechanism of seafloor spreading, formation of the earth's crust, and possible formation of metals.

The French and U.S. delegations agreed to hold demonstrations of oil pollution equipment each nation has developed, and made plans for a French expert to obtain training at the U.S. National Strike Force and, possibly, the Marine Environmental Protection School. France will sponsor a workshop in September, 1978, looking toward multilateral exchange of information on oil spill cleanup information and techniques.

Manage Fuel Consumption By Figuring Degree Days

The heating degree day is such a reliable fuel management tool for both business and the home that it pays to know how to use the information.

Heating degree days are based on an average 65 degrees F (18.3 degrees C) as the base temperature above which no fuel is required to keep the average home comfortable, according to the American Gas Association. Below 65 degrees, some heating fuel is required. How much depends on how many "degree days" the outside temperature indicates.

When the average temperature for a given day is one degree below 65, that counts as one degree day. Further, the concept assumes that the same amount of heating fuel is needed for any combination of cold and duration that add up to the same number of heating degree days. For instance, 10 days at 64 degrees, 5 days at 63, and 2 days at 60, all equal 50 heating degree days.

Records are essential to using the degree day as a fuel-management tool. High fuel bills, in and of themselves, are poor indicators of fuel consumption, however. Most large energy bills reflect combina-

tions of high fuel costs, inefficient heating systems, and large accumulations of heating degree days.

The first step in computing the fuel consumption baseline for your home is to dig out last year's energy bills and separate them so they are grouped into calendar months.

By dividing the number of degree days for a given month by the amount of fuel consumed during that month, and repeating the process for each month, a fuel-consumption baseline expressed in terms of degree days emerges.

For instance, if you live in the Washington, D.C., area and you used 68 gallons of oil during November 1976, then your fuel consumption expressed in degree days would be 652 degree days divided by 68 gallons of oil, or 9.6 gallons of oil per degree day; if you used 124 gallons of oil during January 1977, then 1221 divided by 124 equals 9.8 gallons per degree day.

In this example, we used oil. But the same relationship can be determined for kilowatt hours of electricity or cubic feet of gas. And because the fuel-consumption per heating degree day is reasonably constant, this figure provides an excellent tool in managing your fuel consumption.

More brochures to come

Rhode Island Guide Ready

The first of a projected series of brochures on coastal resort areas of the United States, emphasizing climatological information, has been developed by EDS's Oceanographic Data Center.

The initial brochure, entitled "Rhode Island's Vacation Climate," provides information on that state's vacation-time weather, including rain, sunshine, temperature, and wind data. In addition to weather information, the brochure contains a section on fish found in State waters, as well as various outdoor recreational activities.



One of the first fund-raising projects when NOVAC was organized in 1972 was the sale of Smile Banks. Here Donald J. Denion (left), Deputy Chief, Administrative Operations Division, receives one of the first from NOVAC Board Chairman Meredith (Rusty) Beeg.

NOVAC Holds Bazaar To Aid Its Charitable Endeavors

NOVAC-NOAA Voluntary Action, Inc.—will hold an Arts and Crafts Bazaar on December 1, between 9 and 3, in WSC-1, in Rockville, Md. At the Bazaar, NOVAC members also will accept clean, useable children's clothing, any size, for the annual "Clothing for Kids" Drive. Clothing also may be turned in to NOVAC Area vice presidents—each NOAA building in the Washington, D.C., area has one.

Each year, NOVAC holds a membership drive. This year the drive began on Nov. 16 and ends Nov. 30. NOVAC recently celebrated the sixth anniversary of its incorporation.

According to NOVAC presi-

dent Polly Shanker, AD44, NOVAC was originally organized to provide day care assistance to NOAA parents. NOVAC since has assisted 16 families by helping to provide adequate care in existing centers and homes with direct subsidies totaling nearly \$9,000.

One of the most active areas of NOVAC assistance is the emergency financial aid—loans or grants—to newly arrived student employees or employees who have not received paychecks on time as a result of an administrative error. More than 300 individuals have used this program.

NOVAC also reaches out into communities in Washington, D.C., and surrounding counties to assist in various charitable endeavors. Among these efforts have been direct grants to camps for retarded children, D.C. Village, Falls Church Community Service and Children's Hospital.

The Arts and Crafts Bazaar is one of the many special fund-raising activities carried out over the years by NOVAC. Others included selling smoke detectors and smile banks. But funds are always needed so NOVAC can continue its dedicated work.

"We'd love to have you as one of our supporters," says Rusty Beeg, NOVAC Board Chairman.

NOAA NEWS

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

Articles to be considered for publication should be submitted at least 10 days in advance to NOAA News, Room 221, WSC5, Office of Public Affairs, National Oceanic and Atmospheric Administration, Rockville, Md., 20852.

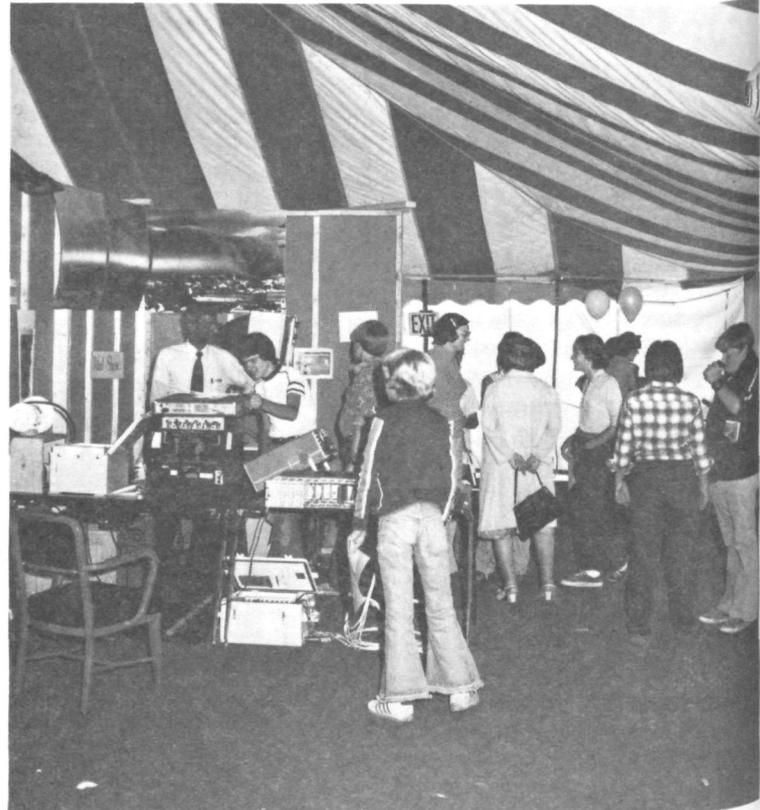
NOAA News reserves the right to make corrections, changes or deletions in submitted copy in conformity with the policies of the paper or the Administration.

Nancy Pridgeon, Editor
Warren W. Buck, Jr., Art Director

NOAA's Seventh Annual Open House



Students were interested in how an ERL terminal tied to a computer across town works.



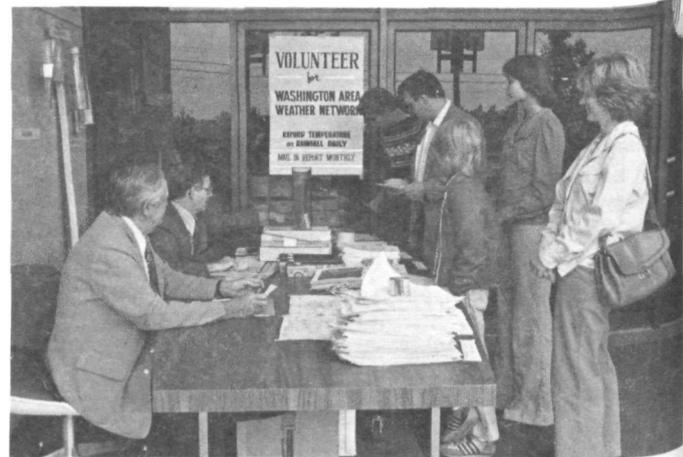
In Boulder, the NOAA Open House was combined with a NOAA Science Fair, October 19-20. More than 2,000 students flocked to see the exhibits set up in a colorful tent.



EDS set up a demonstration at the Boulder exhibit to show the graphic capabilities of a computer.



In Honolulu, more than 600 persons toured the Kewalo Basin Research Facility and the NOAA Ship Townsend Cromwell, Oct. 16. Other NMFS and NWS offices included displays for the Open House.



NOAA Open House, held Oct. 1 at the World Weather Bureau Office works and how the satellite pictures come in.

the NOAA Story Attracts Thousands



An NOS ship model draws whistles of admiration from students at the NOS Open House, Oct. 1, in Rockville, Md.



Students learn how tide data are gathered.



NOS showed the telemetry method of water level measurement of the Great Lakes.



...mp Springs, Md., attracted throngs to see how a Weather Service



NMFS's Sandy Hook Laboratory in New Jersey held its Open House Oct. 21. Demonstrations were held in the lab working areas, with specimens displayed and discussed; and a series of lectures on commercial and recreational fisheries research presented.

New Rules for Summer Hires are Announced by CSC

There are significant procedural changes in the summer employment program, according to the Civil Service Commission.

Previously, positions defined Group I included all positions in grades GS-1 through GS-4, and the Commission retained registers on these positions. This group has been divided into Group I and Group II.

Group I positions are now

defined as clerk-typist, clerk-stenographer, and clerk/administrative aid. Applicants for these positions will be required to take the Commission's administered exam. The deadline to file for this exam is January 27, 1978.

Nonclerical positions are now defined as Group II. If an exam is deemed appropriate, each agency will administer its

own exam in accordance with the qualification standards for the particular position and agencies will maintain their own registers.

Restrictions on hiring sons and daughters of Department personnel remain. However, there are certain exceptions to this restriction. Sons and daughters may be considered after all others with the same or higher score.

The Commission's Announcement Number 41 Summer Jobs, will be issued January 4, 1978. The Personnel Operations Branch Employment Office will have a limited number of these announcements available.

Any questions on summer employment may be directed to the Employment Office at 301-443-8233.

New "Recognition" Forms Make Two NOAA Forms Obsolete

The Department of Commerce has introduced a new form, CD-326, "Recommendation for Recognition," that is to be used throughout the Department, whenever an employee is recommended for the following kinds of recognition:

- Outstanding performance ratings.

- Quality step increase.

- Cash award (either sustained superior performance or special act or service).

- Unit award - In NOAA, this would mean our four annual NOAA Awards (Public Service, Scientific Research and Achievement, Engineering and Applications Development, and Program Administration and Management) and our annual NOAA EEO Award.

The new form renders obsolete NOAA Forms 53-5, "Recommendation for Quality Increase," and 53-15 "Recommendation for NOAA Award." Commerce Department Form 112, "Justification for Performance Rating" will continue to be used for unsatisfactory performance ratings only.

Use of the new form should

begin immediately. A limited interim supply of these forms is available from your servicing personnel office. However, offices may order their own supply through the NOAA Central Logistics Supply Center, 619 Hardesty Street, Kansas City, Missouri, 64124. Questions regarding the new form should be directed to your servicing personnel office.

NOAA Personnel Division Lists Current Vacancies

Announcement No.	Position Title	Grade	MLC	Location	Issue Date	Closing Date
90-78	Supervisory Meteorological Technician	GS-11	NWS	St. Paul Island, Alaska	11/21/77	12/6/77
91-78	Electronics Technician (Senior Electronics Technician)	GS-11	NWS	Des Moines, Iowa	11/22/77	12/7/77
92-78	Electronics Technician (Senior Electronics Technician)	GS-11	NWS	Minneapolis, Minn.	11/22/77	12/7/77
95-78	Geodesist	GS-12	NOS	Rockville, Md.	11/23/77	12/8/77
96-78	Meteorological Technician	GS-8/9/10	NWS	Rochester, N.Y.	11/23/77	12/8/77
97-78	Meteorologist (Forecaster/Fire Weather/Air Pollution Focal Point)	GS-12	NWS	Raleigh, N.C.	11/23/77	12/8/77
103-78	Fishery Biologist (Res. Administration)	GS-14	NMFS	Seattle, Wash.	11/23/77	12/8/77
104-78	Electronics Technician	GS-11	NWS	Suitland, Md.	11/23/77	12/8/77
106-78	Fisheries Intelligence Research Specialist	GS9/11	NMFS	Juneau, Alaska	11/23/77	12/8/77
84-78	Supervisory Survey Statistician	GS-12	NMFS	Miami, Fla.	11/21/77	12/13/77
94-78	Computer Specialist (Systems Programmer)	GS-13	HDQS	Suitland, Md.	11/23/77	12/15/77
99-78	Oceanographer	GS-13	ERL	Seattle, Wash.	11/23/77	12/15/77
100-78	Foreign Affairs Specialist	GS-7/9	NMFS	Washington, D.C.	11/23/77	12/15/77
102-78	Computer Systems Analyst	GS-13	EDS	Boulder, Colo.	11/23/77	12/15/77
105-78	Electronics Engineer	GS-12	NWS	Silver Spring, Md.	11/23/77	12/15/77
75-78	Geodesist	GS-12	NOS	Rockville, Md.	11/7/77	11/29/77
43-78	Meteorologist (Intern)	GS-5/7	NWS	Fort Worth, Tex.	10/25/77	4/30/78

There are 52 positions open for GS-9 or GS-10 Meteorological Technicians (Weather Service and/or Radar Specialist), all located in the Weather Service Central Region—Colo., Ill., Ind., Iowa, Kans., Ky., Mich., Minn., Mo., Neb., N.D., S.D., Wisc., or Wyo. The announcement opened 11-1-77 and closes 5-4-78. For more information, contact your servicing personnel office.

NOTES ABOUT PEOPLE



For the first time in more than two years, the entire NOS Pacific Tide Party met recently all in one place at the same time. The meeting was at the Pacific Marine Center in Seattle, Wash., where the members discussed potential problem areas in the Pacific Tide programs. Front row (left to right): Bill Miller, Dave Jones, Lt. Greg Segur, Laura Julian, Lt.(jg) Roger Morris, Ken Welker. Back row (left to right): Lt. Garth Stroble, Mickey Moss, Lt. Dick Moore, Lt.(jg) Fain McGough, and visitor, NWS's Lt. Dennis Sigrist. (Not in picture: Ethel Mitchell.)

Lt. Greg Segur, of Edina, Minn., is the new head of NOS's Pacific Tide Party.

Lt. Segur, an officer in the NOAA Corps since 1974, has been a member of the Pacific Tide Party for a year. He served aboard the NOAA Ship *McArthur* prior to his assignment to the Pacific Tide Party. Born in Seattle, Wash., he has earned B.S. degrees in oceanography and geology from the University of Washington.

Headquartered at NOAA's Pacific Marine Center, Seattle, Wash., the Pacific Tide Party is responsible for the maintenance of approximately 70 tide stations in the Pacific, Alaska, and on the west coast of the United States for measurement,

analysis, prediction, and dissemination of tides and related data. Earlier this year, the Pacific Tide Party installed tide gages at Honuapo, Kailua-Kona, and Hilo, on the island of Hawaii.

Ellis B. Burton is the new Meteorologist-in-Charge of the WSFO Denver, succeeding Marshall Fielder Grace, who recently



Ellis B. Burton

ly retired. Burton began his Weather Service career in 1950 at North Platte, Neb. A native of Nebraska, Burton is a 1948 graduate of Kearney State College (a pursuit that was interrupted by service in the Army Air Corps as a meteorologist during World War II). In 1951, he was transferred to Chicago, and in 1959, he was assigned to the Denver Forecast Office. Later, he worked as Aviation Quality Control Officer out of Kansas City, and as the Regional Aviation Meteorologist assigned to Western Region

Headquarters. In 1973, he established the new Forecast Office at Bismarck, N.D., where he worked until his current assignment.

Donald E. Stoltz is the new Meteorologist-in-Charge, WSFO Bismarck, N.D., succeeding Ellis B. Burton. Stoltz began his Weather Service career in 1961 at Madison, Wis.



Donald E. Stoltz

From 1965 to 1972, he was with the National Meteorological Center in Washington, D.C. A native of Wisconsin, he graduated in 1962 from the University of Wisconsin with a major in meteorology. During his Washington assignment, he did graduate work in meteorology at the University of Maryland.

Dr. Vernon E. Derr, program leader for atmospheric spectroscopy with ERL's Wave Propagation Laboratory in Boulder, Colo., has been appointed a member of the Working Group on Atmospheric

Optics of the Radiation Commission, International Associa-



Dr. Vernon E. Derr

tion of Meteorology and Atmospheric Physics.

Nicholas Sampogna, assistant chief of National Ocean Survey's Reproduction Division, is the new President of the Department of Commerce Federal Credit Union. Active in the



Nicholas Sampogna

DOC credit union for more than 12 years, Sampogna has served as supervisory committee chairman, board member, 2nd and 1st vice president.



Price L. Neal, (right), chief of NOS's Chart Supply Branch in Riverdale, Md., recently received a 45-year service emblem from NOAA Acting Deputy Administrator Dr. Wilmot N. Hess. Mr. Neal has worked for the Department of Commerce all of his career and received many awards and letters of commendation, including the Commerce Silver Medal in 1958. At the same ceremony, R. Adm. Allen L. Powell received a 35-year pin; Steven Anastasion a 20-year pin; and Dr. Richard E. Hallgren a 15-year pin.

OBITUARY

George W. Mindling

George W. Mindling, 95, retired meteorologist for the Weather Bureau, died November 5, in Columbus, Ohio. From 1942 to 1950, he served in Portland, Me., Atlanta, Ga., and Columbus, Ohio. He wrote numerous articles for the AMS Journal, and a book, *Weather Headlines in Ohio*. Preceded in death by his wife, he is survived by a daughter, Mrs. Hazel Lehmkuhl, a sister-in-law, and numerous nieces and nephews.

FROM THE GALLEY



FISH TOMATO SAUCE WITH SPAGHETTI

- | | |
|--|--|
| 1 pound fish fillets, fresh or frozen | 1 can (2 ounce) mushroom stems and pieces, undrained |
| 1 cup sliced onion | 1 ½ teaspoons garlic salt |
| 2 tablespoons margarine or cooking oil | 1 teaspoon oregano |
| 1 can (1 pound) tomatoes | 4 servings hot, cooked, seasoned spaghetti |
| 1 can (8 ounce) tomato sauce | Grated Parmesan cheese |

Thaw frozen fish; cut into 1-inch pieces. Cook onion in margarine or cooking oil in saucepan until tender, but not brown. Add tomatoes, tomato sauce, mushrooms, if used, garlic salt, and oregano; mix. Simmer uncovered about 20 minutes to blend flavors and thicken slightly. Add fish; simmer uncovered about 10 minutes or until fish flakes easily when tested with a fork. Serve over spaghetti; sprinkle with Parmesan cheese, if desired. Makes 4 servings.

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 frozen pollock fillets and canned Maine sardines along the Northeast Seaboard; fresh whole bluefish and hake in the Middle Atlantic states, including the D.C. area; fresh speckled trout fillets and fresh mullet in the Southeast and along the Gulf Coast; frozen cod fillets and frozen turbot fillets in the Midwest; fresh crabs and fresh shrimp meat in the Northwest; and frozen squid and fresh butterfish fillets in the Southwest.



Attendees at the NWS Technical Training Center's Writing and Broadcast Seminar, August 23-25, in Kansas City, Mo., were: (Standing Left to Right) Frank Dillenkoffer, Instructor; Charles J. Stephans, Rockford, Ill.; Roger L. Geer, Peoria, Ill.; Don Sarreals, NWSH, Silver Spring, Md.; John L. Gilbert, Boise, Idaho; Max R. Cagle, Bristol, Tenn.; James A. Helms, Columbus, Ga.; James R. Wiggins, Moline, Ill.; Craig A. Sanders, Minneapolis, Minn.; Ed C. Higdon, Chattanooga, Tenn.; David A. Horner, Columbia, Mo.; Larry McEwen, Instructor. (Seated Left to Right) Richard W. Hosl, Allentown, Pa.; Frank H. Morine, Reno, Nev.; William T. Keating, Jackson, Miss.; Isom E. Medford, Houston, Texas; James R. Davis, St. Louis, Mo.; Francis B. Kehir, Providence, R.I.; Eugene P. Remington, Springfield, Ill.; Charles T. Watson, Knoxville, Tenn.; Joseph J. McCall Jr., Concord, N.H.; David H. Livingston, Macon, Ga.

NWS Technical Training Center

College Credit Is Possible

Dr. Richard F. Myers, director of NWS's Technical Training Center in Kansas City, Mo., reports that the American Council on Education (ACE) has just completed an evaluation review of meteorology courses conducted at the Center and recommended that college credit be given for the successful completion of the courses.

Evaluation is pending on two additional courses: Station Management and Supervision, and Instructor Training. Engineering courses taught at the Center will be evaluated next year.

ACE does not grant credit nor may TTC give college credit for successful completion of courses. But, students who have completed the courses may request credit from their institution and refer to the information published in the American Council on Education's Guide.

Many schools now accept these recommendations so there is an excellent chance of receiving college credit. NWSTTC courses will soon be included in the Guide as an addendum.

The recommendations for credit are given in semester hours for lower division (fresh-

man and sophomore), upper division (junior and senior), graduate level.

The recommendations were: Basic Meteorological Technician Course—4 semester hours, lower division.

Fundamentals of Meteorology (formerly Basic Meteorology)—3 semester hours, lower division.

Upper Air Observations (with instrument lab)—2 semester hours, lower division.

Weather Service Operations—1 semester hour in Communications, lower division, and 3 semester hours in Meteorology, upper division. The committee also states this course is equivalent to the first university course in synoptic meteorology.

Air Pollution Meteorology—2 semester hours, upper division or graduate level.

Radar Meteorology (all 3 courses)—3 semester hours each, upper division.

The recommendations are retroactive to 1970.

Students needing transcripts may contact or have their university contact: Connie Hedgepeth, Coordinator of Student Affairs, at the Training Center.

National Oceanic and Atmospheric Administration

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