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U.S. Seeks St. George Island Fur Seal Harvesting Ban

Family-Type Tornado Outbreak Gives SKYWARN '73 First Test

Forecasters of the National Weather Service had to contend with the year's first family-type outbreak of tornadoes during the second weekend in March. More than a dozen twisters and numerous violent thunderstorms with hail and strong winds were spawned by a frontal system moving northeastward across central Texas, Arkansas and Mississippi. The outbreak began Friday, March 9, and lasted through the predawn hours of Sunday, March 11.

Although 80 percent of the tornadoes occurred in areas for which tornado watches had been issued hours in advance by the Severe Local Storms unit in Kansas City, difficult forecasters in the field had the difficult task of trying to alert residents in late-evening or early-morning hours in several critical situations.

Death toll from the 2 1/2 day outbreak, according to preliminary reports, was seven, all of them in Texas, where there were more than a hundred injured. Four of the seven deaths from this series of storms occurred in mobile homes. Hardest hit was the town of Hubbard, 30 miles northeast of Waco, which had six fatalities, 75 injuries, and two million dollars in property damage. Most of the downtown area was demolished by a tornado which swept a 20-mile path and roared through the community at 6:24 a.m. Saturday. A tornado watch had been issued for the area at 2:42 a.m., and a tornado warning issued by the Waco weather office at 6:14, based on a report from the Texas Power and Light Company.

Secretary of Commerce Frederick B. Dent, sworn in last month, made his first official natural-disaster inspection at Hubbard on March 13. He was accompanied to the scene in an Army helicopter by Lawrence R. Mahar, Director of the Weather Service's Southern Region, headquartered in Fort Worth.

Other towns hard hit in Texas were San Angelo -- where one person was killed at 1:40 a.m. Saturday in a mobile home which was not tied down, and seven persons injured -- and Burnet -- where 30 were injured and an estimated 300 homes and businesses destroyed at 4:40 that morning. It was not a tornado that hit San Angelo,

David H. Wallace, NOAA's Associate Administrator for Marine Resources, has been named by Dr. Robert M. White, NOAA Administrator, as principal advisor to a U.S. delegation to Japan seeking to ban all fur seal harvesting on St. George Island, Alaska. Other members of the delegation are: Walter Kirkness, Deputy Associate Director for Resource Management of the National Marine Fisheries Service, Commissioner; Dr. George Y. Harry, Director of the Marine Mammal Division at the NMFS Northwest Fisheries Center in Seattle, Wash.; Ancel M. Johnson, Research Wildlife Biologist in the Marine Mammal Division; and William L. Peck, Director of the Pribilof Islands Program, NMFS Northwest Regional Office, Seattle.

According to Dr. White, at the 1973 meeting of the International North Pacific Fur Seal Commission presently under way in Tokyo, the delegation will press vigorously for an experimental ban on harvesting for several years on St. George, one of the two main Pribilof Islands. During the period, fur seal harvesting would continue from St. Paul, the larger of the two inhabited Pribilofs.

Pointing out that 4,220 seals were taken from St. George last year, as opposed to 33,165 from St. Paul, Dr. White said, "I am convinced that the immediate sacrifice of several thousand pelts represents a wise and prudent investment in knowledge vital to the making of intelligent conservation decisions for all the years to come."

Unanimous agreement in the Commission--whose signatories are the U.S., the U.S.S.R., Canada, and Japan--is required for action in reducing the harvest and establishing the research control area.

The experimental ban would be a key element of a major research effort by the NMFS to identify the principal factors governing the seal population level.

"By comparing changes in the populations of harvested and unharvested rookeries," Dr. White said, "we hope to get a clearer picture of the extent to which various factors--including harvesting, the immediate oceanic ecosystem, commercial fishing, and possibly marine contaminants--affect the population."

"We are also interested in trying to determine whether seal harvesting has any important impact on the level of fish stocks available to commercial fishermen."

U.S. Observers Are Aboard Japanese Fishing Vessel

Two National Marine Fisheries Service employees are now steaming toward the eastern Bering Sea from Tokyo as part of an arrangement worked out with the Government of Japan permitting U. S. observers aboard Japanese vessels fishing in the area.

The team will spend about 30 days aboard a Japanese mothership on the fishing grounds checking the incidental catches of halibut among the catches of groundfish such as pollock, flounder, Pacific cod, and rockfish brought to the factory ship for processing.

The U.S. has long believed that incidental catches of halibut, especially young halibut taken by the foreign trawlers, may be contributing to the decline of the North American halibut resource. Japan claims the incidental catches of halibut are insignificant. Japan prohibits trawling in a large area of the eastern Bering Sea regarded as a halibut nursery area, and Japanese fishermen are required to return to the sea any halibut taken incidentally by trawl gear in that area. However, the U. S. and Canada maintain that mortalities are high among the incidental catch, particularly when the young halibut are not returned to the sea immediately.

The observers will also check the incidental catches of king crab and other species, and the data gathered will contribute to a better evaluation of the adequacy of conservation measures in the Bering Sea.

Additional observer teams of two men each are scheduled to board various types of Japanese fishing vessels throughout the year as a result of the understanding reached in the International North Pacific Fisheries Commission of which Canada, Japan, and the United States are members.

The U. S. participation in the observer program is directed from the NMFS Northwest Fisheries Center, Seattle, Wash. U. S. observers will come from the Alaska Department of Fish and Game, the International Halibut Commission, and the NOAA Commissioned Corps, in addition to NMFS. Japan's Fishery Agency is cooperating with the program which will continue at least through 1973. The next two teams of two observers were scheduled to board Japanese vessels in Tokyo around the end of February.

Dr. White Is Appointed by President To International Whaling Commission

President Nixon has appointed Dr. Robert M. White, NOAA Administrator, as United States Commissioner on the International Whaling Commission. He succeeds Dr. J. Laurence McHugh, whose resignation the President accepted on September 11, 1972.

The International Whaling Commission was established in 1950 to safeguard the remaining world whale stocks through studies and investigations and the promulgation of regulations relating to whales and whaling. The Commission meets annually for two weeks. Two out of every three meetings must be held at the London, England, headquarters of the Commission.

Arlin E. Snider Is Appointed To NWS Pentagon Liaison Post

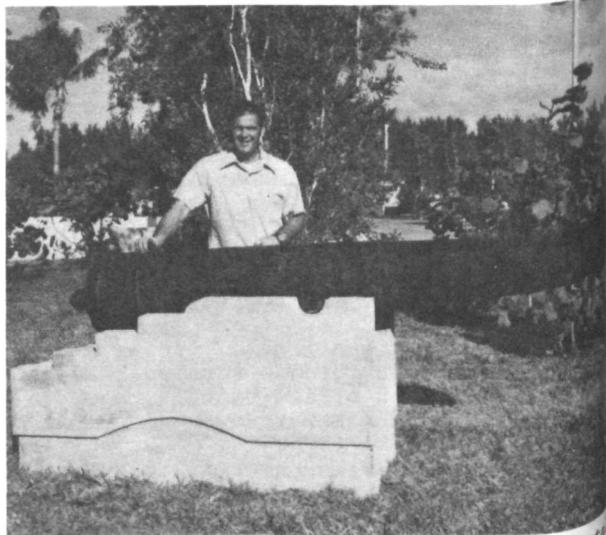
The National Weather Service has named Arlin E. Snider to the newly created post of Community Preparedness Liaison Officer in the Pentagon. He was NOAA State Climatologist for Illinois from 1971 until his recent reassignment to the Climatological Services Division in Weather Service headquarters, and from 1968 until 1971 he was a Plans and Programs Analyst for the Environmental Science Services Administration (NOAA predecessor) in Rockville, Md.

In his new position, Mr. Snider will advise the Defense Civil Preparedness Agency on the Weather Service's nationwide program for natural disaster warnings and assist in the development of standardized procedures for effective community preparedness against natural disasters in accordance with DCPA and NWS agreements. He also will offer guidance in preparation of public educational materials for dealing with winter storms, coastal storm tides, lake and river flooding, hurricanes, severe thunderstorms and tornadoes.

Mr. Snider began his civilian Government service as a Department of Defense and NWS Climatologist in 1964, after a 24-year career in the U.S. Air Force--17 as an Air Force meteorologist. From 1958 to 1964, he was an Air Weather Service Detachment Commander, and for two years he was advisor and liaison officer to a Japanese weather squadron.

He holds a bachelor's degree in geography from the University of Missouri.

AOML's Cannons Are Gift of Barbados



Jim Barker, Building Engineer at the Environmental Research Laboratories' Atlantic Oceanographic and Meteorological Laboratories in Miami, Fla., poses with one of two 18th century cannons mounted in front of AOML's new building on Virginia Key. Recovered from the sea floor off Barbados and brought to Miami by the DISCOVERER in 1968, they are a gift from the Government of Barbados. The concrete replicas of 18th century gun carriages were designed and constructed by Harold Hudson of the National Marine Fisheries Service's Southeast Fisheries Center and Dick Rutkowski of AOML.

Fisheries Commission Recommends Conservation of Atlantic Herring

The 16-nation International Commission for the Northwest Atlantic Fisheries at a recent special meeting in Rome recommended that member countries conserve herring stocks by limiting the total catch of herring on Georges Bank during 1973 to 150,000 tons, the same amount allowed in 1972. It recommended that herring stocks taken from the Gulf of Maine be reduced by 5,000 tons to 25,000 tons, and recommended that the amount taken from the Nova Scotia Banks be increased to 90,000 tons, an increase of 25,000 tons over 1972. It also agreed on allocations of these catch quotas among member countries fishing on the three stocks of herring.

The U. S. delegation to the ICNAF meeting was headed by William M. Terry, Director of NOAA's Office of International Affairs and a U. S. Commissioner to ICNAF, assisted by fishery scientists and administrators from the National Marine Fisheries Service and members of the U. S. fishing industry.

Action on a U. S. proposal to limit the amount of fishing effort as a further conservation measure for fish stocks in the waters off New England was referred for study to a meeting of scientific and technical experts to convene soon.

The Commission agreed to recommend 1973 quotas for currently unregulated mackerel, pollock, redfish, and flounders (except yellowtail which is otherwise regulated) in waters off the United States, and on the allocation of these quotas among the member countries.

Signatories to the Convention are: Bulgaria, Canada, Denmark, France, Federal Republic of Germany, Iceland, Italy, Japan, Norway, Poland, Portugal, Roumania, Spain, USSR, United Kingdom and the United States.

NOAA Booth at Norfolk, Va., Boat Show Features Test Your Nautical IQ Machine



The center of attraction at NOAA's booth at the recent Mid-Atlantic Sports and Boat Show in Norfolk, Va., was the Test Your Nautical IQ machine, which was constructed by personnel of the Atlantic Marine Center. Twenty-five nautical chart features light up in succession. Each correctly identified feature scores four points.

NWS Pacific Region Initiates Smoke Management Service

The National Weather Service Forecast Office in Honolulu, Hawaii, has for some time been providing services that assist the State Department of Health and the local sugar industry with their sugar cane harvesting smoke management problem. The sugar industry is of major importance to Hawaii, involving production in excess of \$200 million per year, and employing over 10,000 persons.

Prior to harvesting, the sugar cane fields must be burned to rid them of surplus debris and bring extra sap up into the stems from the roots. Within present technology, the industry faces an almost impossible disposal problem and a substantial loss in recoverable sugar if the burning operation is not performed. On the other hand, environmentalists rightly believe that smoke generated from cane burning is aesthetically unappealing and, more important, that it raises the particulate air pollution level beyond the air quality standards set by the Environmental Protection Agency.

WSFO Honolulu has designated as a focal point for this problem a qualified Forecaster, Richard I. Sasaki, who has worked out a forecast scheme that has proved to be a boon to the industry. Forecasts of inversion height, base, and intensity, and the mean wind flow from the surface to the base of the inversion are broadcast over the NWS VHF-FM station and disseminated via teletypewriter to the sugar cane industry and to the health agency, which issues permits for burning based primarily on the forecasts. Without the service, all burning would have been banned.

As a further service to the program, NWS observing stations throughout the state have begun taking special haze "observations" as part of the 1 p.m. HST aviation observations, which, on a graduated scale, describe the degree of haziness under various atmospheric conditions, and give further input to the state health agency, the growers, and the NWS Forecaster.

According to Burton H. Kirschner, Environmental Quality Weather Services, Weather Analysis and Prediction Division, NWSH, "This is an imaginative and innovative approach to a serious problem, and may serve as a stimulus prototype of similar NWS programs to be furnished in other areas where agricultural burning has created serious air quality problems."

Houlder Heads GATE Field Operations Group

Captain Richard H. Houlder has reported to NOAA's Office of Environmental Monitoring and Prediction at Rockville, Md., headquarters, where he will serve as head of the GATE Field Operations Group. GATE (GARP Atlantic Tropical Experiment) is a major international weather study, scheduled for 1974, which will study the behavior of tropical cloud clusters and their role in the circulation of the atmosphere. Captain Houlder has been a commissioned officer since 1952. Among his varied assignments have been those of commanding officer of the Ships FAIRWEATHER and LESTER JONES and Chief of the Photogrammetry Division of the National Ocean Survey.

Lake Vessel Captain Receives NWS Public Service Award

At the recent International Shipmasters Association Annual Meeting in Green Bay, Wis., Captain Kurth Grainger was presented a National Weather Service Public Service Award. He received this honor in recognition of his contributions to the NWS's lake weather reporting program, and, in particular, for alerting the Weather Service Forecast Office at Cleveland of a sudden squall on western Lake Erie on August 10, 1971, that spawned winds of 100 miles per hour. He tracked the storm on radar and reported its progress across the Lake.

Meteorologist in Charge Joe Fulks of the WSFO in Chicago, and Bill Kennedy, Port Meteorological Officer at Cleveland, made the presentation.

Marine Mammal Hearing Scheduled for March 22

The National Marine Fisheries Service will conduct an informal hearing on an application for an economic hardship exemption under the new Marine Mammal Protection Act on March 22 in the Commerce Department Auditorium in Washington, D. C.

The Bergner International Corporation of New York City is seeking an exemption in order to import for resale about 10,000 dressed beater and blueback sealskins harvested in Canada. Beater seals are young harp seals (*Pagophilus groenlandicus*) and blueback seals are young hooded seals (*Cystophora cristata*). The Marine Mammal Protection Act of 1972 prohibits importation of marine mammals or byproducts of the animals.

Individuals and organizations have been invited to express their views by appearing at the hearing or by submitting written comments.

NOAA Commissioned Officers Association Elects Executive Committee



Lt. Commander Andreasen



Captain Munson



Commander Hayes



Captain Benton

The NOAA commissioned officers have elected Captain Robert C. Munson as president of their association's executive committee. Captain Munson is Associate Director of the National Ocean Survey's Office of Marine Surveys and Maps.

Other officers elected to the executive committee of the Association of Commissioned Officers include Captain Arthur R. Benton,

Simon Altz Is Presented Commerce Bronze Medal

Simon Altz, Chief of the Resources Management Staff of the Environmental Data Service, received a Commerce Bronze Medal



upon his recent retirement after 30 years' service. He was cited for "creativity, initiative and adaptability in the management of a rapidly expanding organization."

EDS Director, Dr. Thomas S. Austin (left) watches as Mr. Altz unwraps his Bronze Medal.

NOS Will Honor Coast Guard Auxiliaries For Cooperative Chart Program Contributions

The National Ocean Survey will present awards to those among the U.S. Coast Guard Auxiliaries who have contributed the most to the cooperative nautical charting program. The awards will be made at the Auxiliaries' Spring Conference in Memphis, Tenn., May 10-12. Similar awards were presented to U.S. Power Squadron winners in Miami, January 13, for their participation in the cooperative nautical charting program. Captain John O. Boyer, Chief, Marine Chart Division, reported that 1972 was the most successful year since the program was established in 1962. A total of 15,390 suggested chart revisions was submitted by the Power Squadrons and Coast Guard Auxiliaries, an increase of 2250 over the number furnished in 1971.

LSC Telephone Telemetry System Transmits Water Temperatures

The Lake Survey Center has installed its first telephone telemetry system to transmit water temperatures on a real-time basis. Three sites--Cape Vincent, Clayton, Ogdensburg, N.Y.--were chosen for the installations. It is now possible for scientists in the LSC Limnology Division to telephone for temperature data in these areas and receive the information in a matter of seconds instead of waiting two or three weeks for the permanent records. The system sends the information via four series of tones. Water temperatures in centigrade are found by multiplying the coded numerical values by a consistent factor.

This telemetry system, part of a coordinated program with the St. Lawrence Seaway Development Corporation, will be used for near-real time decisions and longer-range forecasts as a part of the efforts to extend the navigation season on the Great Lakes.

Commander Sidney Miller Fills New NOS Post

Commander Sidney C. Miller has become Deputy Associate Director of the Office of Fleet Operations at the Rockville, Md., headquarters of the National Ocean Survey. Commander Miller is the first to hold this position. He joined the commissioned corps in 1957. His assignments have included sea duty aboard the NOAA Ships COWIE, PATTON, HYDROGRAPHER, WHITING, PATHFINDER, and FAIRWEATHER, where he last served as Executive Officer.



Noninfectious Invertebrate Pathology Is Subject of Book by Dr. Albert K. Sparks

Dr. Albert K. Sparks, Director of the National Marine Fisheries Service Gulf Coastal Fisheries Center in Galveston, Tex., is the author of a 387-page, illustrated book entitled "Invertebrate Pathology, Noncommunicable Diseases." The work represents the first attempt to provide comprehensive coverage of the entire field of noninfectious invertebrate pathology, and includes responses to all types of injury and all invertebrate forms except insects. The book deals with noncommunicable diseases of invertebrates and discusses the following topics in detail: death and postmortem changes; reactions to injury and wound repair; physical and chemical injury; effects of venoms and biotoxins; effects of ionizing radiation; and tumors and tumor-like conditions in invertebrates. The book is expected to serve as a text and reference work for research workers and students in a number of scientific areas.

The book was published by the Academic Press, New York.

Mexican Weather Services Plan Standardized Barometry Methods

As a prelude to the standardization of barometry procedures used by the weather services in Mexico, Alfredo Martinez, of the Mexican Meteorological Service, and Humberto Tojonar and Jaime Billegas, of the aviation weather service of Mexico, RAMSA, recently spent a week in the Surface Systems Branch of the National Weather Service Data Acquisition Division. During their visit they studied methods used to calculate sea-level pressure from station pressure and methods used in the U.S. to compute various corrections to barometer readings.



(From left) Mr. Martinez; Charles Jenkins, DATAC; Mr. Tojonar; Larry Murphy, DATAC; and Mr. Billegas discuss activities of the NWS Station Management Section.

In the standardization program the Mexican Meteorological Service is to have a Primary Standard Barometer installed in its headquarters in Mexico City by the National Weather Service Engineering Division. RAMSA is at the same time having two Reference Barometers installed in its headquarters in Mexico City. The RAMSA Reference Barometers and all barometers used at weather stations in Mexico will be related to the Primary Standard Barometer by means of frequent comparisons. With pressure readings at all weather reporting stations in Mexico being related to a single standard, a uniform method being used by all stations to compute sea-level pressure, and all methods being the same as those used in the U.S., a significant improvement in the continuity of weather data across the border is expected.

The visitors also toured the National Meteorological Center, the National Environmental Satellite Service at Suitland, Md., the NWS Test and Evaluation Laboratory at Sterling, Va., and the NWS Weather Service Office at Dulles Airport, Va.

Johnson Becomes Exec on MT MITCHELL; Berman Replaces Him as Operations Officer

Lieutenant Commander Philip C. Johnson, who was previously Operations Officer of the NOAA Ship MT MITCHELL, is now the ship's Executive Officer. He has been succeeded as Operations Officer by Lieutenant Carl R. Berman, who has been the ship's Navigator and Assistant Operations Officer for the past 15 months.

Lt. Commander Johnson has been a commissioned officer since 1963, and served previously aboard the EXPLORER and the OCEANOGRAPHER.

Lt. Berman became a commissioned officer in 1971.

Fourth FY-73 Forecasters Training Class Is Held in Silver Spring



Participants in the Fourth FY-73 Forecasters Training Class, held at National Weather Service Headquarters in Silver Spring, Md., from February 13 to March 1 were (seated, from left) George Joyner, San Juan, P.R.; Dr. Duane Cooley, Chief, Technical Procedures Branch; Beryl Chisum, Birmingham, Ala.; Meredith Wingert, Minneapolis, Minn.; Bob Derouin, Instructor, NWSH; Al Sadowski, Instructor, NWSH; (standing, from left) Roger Weldon, Instructor, NWSH; David Barnes, Atlanta, Ga.; Jerald Adams, Kansas City, Mo.; David Jokerst, St. Louis, Mo.; Leland Wilkins, Riverside, Calif.; James Hammond, Los Angeles, Calif.; Clarence Kibler, Forecast Division, NMC; William Long, Pittsburgh, Pa.; Joseph Harri-

son, New York, N.Y.; Lewis Norton, Lubbock, Tex.; Carl Hostetter, San Antonio, Tex.; Henry Tonkin, Miami, Fla.; Roger Cross, Forecast Division, NMC; William Ahl, San Francisco, Calif.; James Williams, Spaceflight Meteorology, NMC; Richard Bartman, National Environmental Satellite Service; Captain Allen McGlasson, Chanute AFB, Ill.; Arthur Ayers, Portland, Maine; Caryl Osterlander, Charleston, W. Va.; Harold Ward, Great Falls, Mont.; Roger Bulkow, Cleveland, Ohio; James McIntyre, Sioux Falls, S. Dak.; G. Stanley Doore, Instructor, NWSH; Maury Pautz, Course Supervisor, NWSH; and (not in photo) Denis Siu, RWCC, Salt Lake City, Utah.

Kiyoshi G. Fukano Is Appointed Managing Editor of Fishery Bulletin

Kiyoshi G. Fukano has been named Managing Editor of the Fishery Bulletin, the principal scientific publication issued by the National Marine Fisheries Service Publications Staff in Seattle, Wash.



Mr. Fukano

Scientific Editor of the quarterly journal of recent fisheries research is Dr. Reuben Lasker, of the NMFS Southwest Fisheries Center, La Jolla, Calif.

Mr. Fukano, who has been an editor with the Scientific Publications Staff since its establishment in 1970, joined the NMFS (then the Bureau of Commercial Fisheries) as a fishery reporting specialist in 1964, and became an editor in 1965. From 1945 until 1964 he was a fishery biologist with the Institute for Fisheries Research, Michigan Department of Conservation. From 1953-1955 he was Editor of the Transactions of the American Fisheries Society.

He holds a Bachelor of Science degree in fisheries from the University of Washington and did graduate work there and at Cornell University.

Crozier Named DAVIDSON Operations Officer



Lieutenant Ronald L. Crozier is the new Field Operations Officer of the NOAA Ship DAVIDSON.

The Seattle-based vessel is now conducting surveys in Alaskan waters.

A resident of Edmonds, Wash., Lieutenant Crozier joined the NOAA commissioned corps in February.

Industrial Researchers To Tour ERL in Boulder

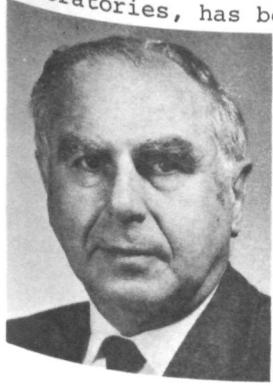
More than 30 industrial research directors and their representatives will tour the Environmental Research Laboratories in Boulder on March 26 and 27. All are members of the Industrial Research Institute, Inc., which represents more than 100 large industrial companies or corporations in the United States.

Dr. Wilmot N. Hess, ERL Director, will give an overview of ERL to the group, and later the research directors will visit individual laboratories to discuss problems of mutual interest with ERL scientists.

The group will also tour science facilities at the National Bureau of Standards, the Office of Telecommunications Sciences, and the National Center for Atmospheric Research.

Eugene Bollay Chosen To Chair Weather Modification Committee

Eugene Bollay, Program Manager for Weather Modification of the Environmental Research Laboratories, has been invited to serve as Chairman of the American Meteorological Society's Committee on Weather Modification for one year, ending January 1974. The committee's function is to study the state of the art of weather modification throughout the world and make recommendations to the American Meteorological Society on the status of weather modification.



Precipitation Forecasts Available To Field on Request/Reply Basis

The Techniques Development Laboratory of the National Weather Service has recently implemented an automated system that includes the first computerized forecasts of surface weather to be made available to the field on a request/reply basis. The system was added to the Federal Aviation Administration's Kansas City Switch in February. Combination of the new product with existing Service "C" teletype messages provides forecasts of probability of precipitation for 267 cities and of conditional probability of frozen precipitation for 235 cities in the conterminous United States. Twice-daily forecast packages are automatically prepared and transmitted from the National Meteorological Center in Suitland. Frank Lewis of TDL directed implementation of the system.

Family-Type Tornado Outbreak Gives SKYWARN '73 First Test (Continued from page 1)

but the straight-line winds of a thunderstorm. Havoc wrought at Burnet was caused by a tornado which left a track three miles long and 300 yards wide.

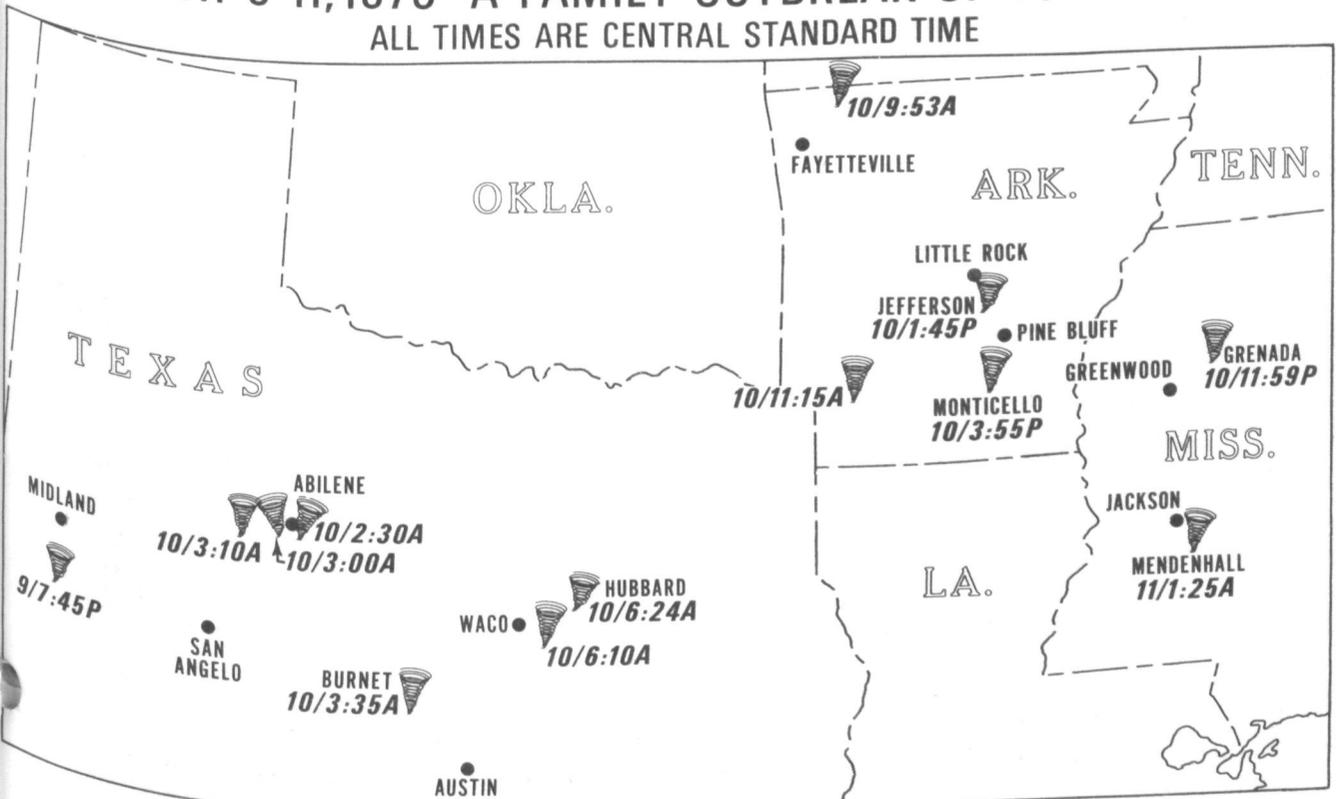
Severe-thunderstorm warnings, based on radar evaluations from Austin and Hondo, had been issued at 1 a.m. Saturday for San Angelo, and 3:50 a.m. for Burnet. Weather Service personnel telephoned nearby radio stations, and public-safety of-

fices, but because of the time of day, some radio stations and most of the populace could not be made aware of the danger. Weather units at Waco, Austin, Hondo, and San Angelo all had extra men on duty, trying to spread the alert.

The six tornadoes which occurred in Arkansas and Mississippi caused no deaths or injuries, according to latest reports, and all were covered by tornado watches.

MARCH 9-11, 1973—A FAMILY OUTBREAK OF TORNADES

ALL TIMES ARE CENTRAL STANDARD TIME



Effective Supervision Course Is Held in Asheville, N.C.



Participants in the Effective Supervision Course held in Asheville, N.C., from March 5 -9 were (front row, from left) R. D. Robinson, EDS, Asheville; Howard S. Edwards, EDS, Asheville; Jerry H. Reed, WSFO Indianapolis, Ind.; Nathaniel B. Guttman, EDS, Asheville; Danny C. Fulbright, EDS, Asheville; (standing, from left) Gerald R. Ford, EDS, Asheville; Russell G. Mann, NWS, Kansas City, Mo.; Billy J. Smith, WSO Athens, Ga.; Stephen T. Fleharty, WSO Grand Island, Nebr.; James L. Cook,

NOS, Rome, Ga.; Doyce G. Marshbanks, EDS, Asheville; John J. Linnane, Jr., EDS, Asheville; William E. DeSanzo, EDS, Asheville; Margaret Barnes, Instructor, NOAA, Rockville, Md.; E. L. Martinez, ARL, Durham, N.C.; Raymond L. Nybro, EDS, Asheville; Franklin L. Hyatt, EDS, Asheville; Ray C. Nelson, WSO, Springfield, Mo.; William E. Schaaf, NMFS, Beaufort, N.C.; Henry G. Hall, EDS, Asheville; Bartholomew Hynes, NWS, Grand Junction, Colo.; and Ronald G. Baldwin, EDS, Asheville.

Marine Facility Inspection Is Underway

An inspection of marine and navigational facilities along the entire West Coast and in Hawaii is underway for the eleventh revision of Coast Pilot 7, which is expected to be available in the fall of 1974. The last issue was published in 1968. The nautical book contains important navigational information which cannot be shown graphically on the government nautical charts issued, along with the Coast Pilots, by the National Ocean Survey.

Inspections are conducted every five years to update the eight Coast Pilots which are issued for commercial shipping and recreational boating. The first Coast Pilot was issued in 1858.

The inspection will take about eight months. Lieutenant (junior grade) Christopher B. Lawrence will cover the coast from Seattle, Wash., to San Francisco, Calif., and Lieutenant (junior grade) Larry J. Oliver will cover the area from San Francisco to San Diego, Calif. The Hawaiian Islands inspection will be carried out by personnel from the NOAA Ship FAIRWEATHER, commanded by Commander Charles A. Burroughs.

The inspections will involve discussions with federal, state and local agencies having to do with marine navigation and regulations, including Coast Guard and Navy personnel, port authorities, harbor masters, merchant seamen, pilots and others involved in marine affairs.

NOAA Men To Serve Commerce Credit Union

Two NOAA employees, John M. Amstadt of the Office of Programs and Budget, and Nicholas F. Sampogna of the National Ocean Survey's Reproduction Division, were re-elected to the Board of Directors of the Department of Commerce Credit Union.

The officers elected included two from NOAA--John L. Ford of the National Weather Service, President; and Mr. Amstadt, Treasurer. Emanuel A. Lipscomb, of Domestic and International Business Administration, was elected 1st Vice President; Bobette Heien, of the Bureau of International Commerce, 2nd Vice President; and Luther C. Steward, Jr., of the Office of the Secretary, Secretary.

The Credit Union recently reached \$5,000,000 in total assets.

WSFO Detroit Has Agricultural Weather Workshop

An Agricultural Weather Workshop was held on March 5 at the Weather Service Forecast Office in Detroit, Mich. Participants included representatives from the Michigan Agricultural Extension Service and representatives from the Weather Service Office in Grand Rapids, Mich.; Weather Service Office/Agriculture in East Lansing, Mich. and the WSFO, Detroit. Discussion topics included weather information needed by the horticultural industry, the forecaster's role in the Michigan Agricultural Weather Program, minimum temperature forecasting, and coordination, dissemination, and liaison.

Items to be considered for publication in NOAA WEEK should be submitted to:
Office of Public Affairs, NOAA, Room 221, Bldg. 5, Rockville, Md. 20852. Phone (301) 496-8243.

National Oceanic and Atmospheric Administration

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