

ESSA

NEWS

U. S. DEPARTMENT OF COMMERCE • Environmental Science Services Administration

Vol. I Number 7

October 4, 1965

A MESSAGE FROM DR. WHITE

Department of Commerce Order 2B, effective October 1, 1965, gives the Environmental Science Services Administration an organizational structure, a framework within which to accomplish our vital mission of service. In addition, the earlier Department Order 2A has been revised, bringing the Office of Radio Frequency Management into the Administration.

With the issuance of these orders, we have passed another milestone in our progress toward an organization capable of studying the total environment and meeting the ever-increasing demands for environmental services.

In view of the urgent problems facing our Nation, and recognizing the unique capabilities of Commerce agencies in the field of environmental sciences, Assistant Secretary J. Herbert Hollomon established a special committee in May 1964 to review environmental science service activities of the Department. He asked the committee--composed of Dr. Allen V. Astin, Director of the National Bureau of Standards, Adm. H. Arnold Karo, then Director of the Coast and Geodetic Survey, and myself--to suggest ways of improving these programs and making them more effective and economical. The special committee, with the advice and counsel of a panel of eminent non-Government scientists, recommended the creation of a new organization, bringing together the environmental science service activities of the Weather Bureau, the Coast and Geodetic Survey, and the Central Radio Propagation Laboratory of the National Bureau of Standards. The committee's recommendation was approved by Assistant Secretary Hollomon, by the Secretary of Commerce, and finally by the President.

On May 13, President Johnson submitted to Congress his Reorganization Plan No. 2 of 1965, proposing the consolidation of the Coast and Geodetic Survey, the Weather Bureau, and the Central Radio Propagation Laboratory to form the Environmental Science Services Administration. In the words of the President, ESSA would provide "a single national focus to describe, understand, and predict the state of the oceans, the state of the upper and lower atmosphere, and the size and shape of the earth."

Two months later, on July 13, ESSA came into being, and Department Order 2A was issued, delegating authority and describing the functions of the new Administration. Immediately, task forces representing all our program and staff activities began to develop a workable organizational structure that would enable us to carry out the important responsibilities given to us by the President. The task forces received valuable advice and assistance from field officials in this effort.

For most of you the 2-1/2-month interim has been a period of uncertainty, of waiting and wondering about the future. I am grateful for the spirit in which you have not only carried on "business as usual" but also performed such commendable services as those connected with hurricane Betsy.

Now this trying period is over. Together, we are entering an exciting new era that holds great promise and potential for the people of ESSA, as well as for the Nation we serve. All of us come from organizations with proud traditions. The Coast and Geodetic Survey has a history of 158 years of scientific service, the Weather Bureau 95 years. The Central Radio Propagation Laboratory is a younger organization, tracing its beginnings to 1942, but in this relatively short time it has become world famous for its unique achievements.

The Environmental Science Services Administration is founded on the solid accomplishments of these three organizations. ESSA will build on the achievements of the Coast and Geodetic Survey, the Weather Bureau, and the Central Radio Propagation Laboratory. With your help, we will fuse the traditions of excellence into a new organization of which we can all be proud--a growing, vigorous organization with vital missions to fulfill.

The entire globe is our workshop, and our operations are worldwide. Already, we have a remarkable array of ships, aircraft, satellites, computers, and other scientific facilities for measuring and understanding the total environment. We can make the coming years remembered as the period when man at last came to understand and manage his environment.

Through ESSA, we will move to provide urgently needed services to the Nation. As we enter new fields, there will be challenging new opportunities for employees in all parts of ESSA.

This issue of ESSA News contains the basic documents outlining the ESSA organizational structure, its functions, and its personnel. A series of issues during the coming weeks will provide more detailed information on programs and organizational components and will present discussions of our organizational philosophy.

During the week of October 4, I will speak to all personnel in the Washington area, and on October 10, I will begin a trip around the country, with stops at San Francisco, Seattle, Salt Lake City, Boulder, Kansas City, Fort Worth, Norfolk, and New York.

All these efforts are intended to acquaint you, as soon as possible, with the new organization's structure and plans. You are the ones who will put life in the organization chart and make this structure work.

Specific orders, transferring existing units into the new components of the Environmental Science Services Administration, will be issued soon. The entire basic organizational structure must be put into effect by January 16, 1966. Until you are officially notified of your placement in the new structure, we must, once again, ask you to continue doing business as before.

I want to emphasize that we do not view this new organization as perfect or fixed; it is the best we can put together today. We have established procedures for changing it, as we recognize our errors, as we learn from experience, and as new needs arise. We will continue to examine and improve the structure, in order to meet the challenges and opportunities ahead of us.

Robert M. White

NEW COMPONENT ADDED TO ESSA

By amendment of Department Order 2A, effective October 1, 1965, the Office of Radio Frequency Management (ORFM) has been added to the Environmental Science Services Administration.

Formerly part of the National Bureau of Standards, the Office of Radio Frequency Management is now an ESSA staff office. The Office is headed by Allen Barnabei and is located in the main Commerce building in Washington, D. C.

Among the primary responsibilities of the Office of Radio Frequency Management are procurement and assignment of radio frequencies for the various bureaus of the Department of Commerce, and the protection of these frequencies from harmful interference.

The Office represents the interests of all Commerce bureaus in the broad field of telecommunications, including national and international allocation of radio frequencies, establishment of operating procedures and technical standards relating to the use of such frequencies, and formulation and enforcement of international and national rules and regulations relating to the use of these frequencies. The Commerce bureaus normally concerned with telecommunications matters are the National Bureau of Standards, the Environmental Science Services Administration, the Census Bureau, the Maritime Administration, the Bureau of Public Roads, and the St. Lawrence Seaway Development Corporation.

In carrying out its responsibilities, the Office of Radio Frequency Management represents the Department on interdepartmental, national, and international committees dealing with matters relating to telecommunications policy.

United States of America
DEPARTMENT OF COMMERCE

DEPARTMENT ORDER

2-B

MANUAL OF ORDERS
Part 1

DATE OF ISSUANCE

September 30, 1965

EFFECTIVE DATE

October 1, 1965

SUBJECT

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

SECTION 1. PURPOSE:

The purpose of this order is to prescribe the organization and assignment of functions within the Environmental Science Services Administration, and effect the transfer of the Central Radio Propagation Laboratory of the National Bureau of Standards to ESSA.

SECTION 2. ADMINISTRATOR OF THE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION:

The Administrator develops the objectives of the Administration, formulates policies and programs for achieving those objectives and directs execution of these programs. He is assisted by the Deputy Administrator. Liaison activities with Congress are centered in the Office of the Administrator.

SECTION 3. ENVIRONMENTAL DATA SERVICE:*

The Environmental Data Service collects, processes, archives, publishes, disseminates and recalls world-wide environmental data for use by commerce, industry, the scientific and engineering community, and the general public; guides research activities pertinent to the improvement of such services; and coordinates international activities in climatological and geophysical data problems with the world scientific organizations. In support of the above objectives, the Environmental Data Service maintains environmental data centers such as the National Weather Records Center (Ashville, N. C.), the Aeronomy and Space Data Center and the geophysical data centers.

.01 The Office of Environmental Data Systems processes, stores, and retrieves environmental data; develops new techniques of summarization and presentation of data in order to provide service to the user; provides ready access to environmental data and aids in their application to numerous fields of endeavor; and provides facilities for the world data centers under international auspices.

.02 The Office of Field Services exercises functional management over field staffs in the acquisition of climatological data to meet international, national, state and municipal requirements; and ensures field outlets for the dissemination of environmental data and appropriate cooperation with local authorities.

.03 The Laboratory for Environmental Data Research develops the analysis, processing, and interpretation of geophysical and climatological data through research activities; and anticipates needs for climatological and geophysical data for design and risk assessment and stimulates original work to meet these needs.

.04 The Office of Data Information ensures proper dissemination of environmental data information to the user public and scientific community from centralized data information sources.

SECTION 4. WEATHER BUREAU:*

The Weather Bureau provides the national weather service, observing and reporting the weather of the United States and its possessions and issuing forecasts and warnings of weather and flood conditions that affect the Nation's safety, welfare and economy; develops the National Meteorological Service System; participates in international meteorological and hydrological activities, including exchanges of meteorological data and forecasts; and provides

forecasts for domestic and international aviation and for shipping on the high seas. In support of the above objectives the Weather Bureau operates through its Regions a national network of field offices and forecast centers.

.01 The Office of Meteorological Operations observes and prepares and distributes forecasts of weather conditions and warnings of severe storms and other adverse weather conditions for protection of life and property; establishes policies and develops plans and procedures for operation of meteorological services and is the primary channel for coordination of all Weather Bureau field service operations.

.02 The Office of Hydrology provides the Nation with river and flood forecasts and warnings and water supply forecasts; conducts the necessary research to improve river and flood forecasts and warnings; and analyzes and processes hydrometeorological data for broad application to water resource planning, design and operational problems.

.03 The National Meteorological Center provides analyses of current weather conditions over the globe and depicts the current and anticipated state of the atmosphere for general national and international uses; conducts development programs in numerical weather prediction; and leads in the extension and application of advanced techniques.

.04 The Office of Systems Development manages, plans, designs and develops a system to meet all meteorological service requirements; develops, tests and evaluates techniques and equipment; translates research results into operational practices; and conducts studies associated with the design of the World Weather Watch.

.05 The Executive and Technical Services Staff provides executive assistance to the Director and technical services, e. g., facilities, maintenance, computers, etc., in support of programs throughout the Bureau.

.06 A Region provides weather service within its prescribed geographical area by issuing forecasts and warnings of weather and flood conditions; manages all operational and scientific meteorological and hydrological programs assigned to it; and conducts technical and administrative support functions.

- a. A Region consists of a headquarters office, is managed by a Regional Director, and contains field offices and forecast centers reporting to the Regional Director.
- b. Regions provide technical and administrative support for all components of ESSA in the respective areas of the Regions, except as may otherwise be provided because of special circumstances applicable to some field component.
- c. The field structure consists of six Regions as shown in Exhibit 2.

SECTION 5. INSTITUTES FOR ENVIRONMENTAL RESEARCH:*

The Institutes for Environmental Research conducts an integrated research program relating to the oceans and inland waters, the lower and upper atmosphere, the space environment, and the earth to increase understanding of man's geophysical environment in order to provide more useful services; and conducts propagation research and services in support of the Nation's telecommunication activities. Each Institute operates certain observatories and laboratories in the field where necessary to observe environmental phenomena.

.01 The Institute for Earth Sciences conducts advanced and exploratory research and applied research in geomagnetism, seismology, geodesy and related earth sciences; contributes the benefits of this knowledge to furthering of man's welfare; and works in close contact with the other institutes for environmental research.

.02 The Institute for Oceanography provides increased knowledge and better understanding of the ocean and its influences on or interactions with the total physical environment of the globe as required to improve marine resources and services; and works closely with the other institutes for environmental research.

.03 The Institute for Atmospheric Sciences develops a fuller physical understanding of atmospheric processes and phenomena as required for improving weather forecasts and related services and for modifying and controlling the weather; and works closely with the other institutes for environmental research.

.04 The Institute for Telecommunications Sciences and Aeronomy enhances the telecommunication and space capabilities of the Nation by conducting research in aeronomy and space environment disturbances; by serving as the central Federal agency for research and service in the field of electromagnetic telecommunications; and works closely with the other institutes for environmental research.

.05 The Office of Administrative and Support Services provides assigned administrative and support services required by the Institutes for Environmental Research at its headquarters location (Boulder, Colorado), and at other locations to the extent it is determined that such services cannot be provided more efficiently by Regions of the Weather Bureau or by the Office of Administration of ESSA. The Office of Administrative and Support Services shall be responsible for providing services to, and coordinating services received from the National Bureau of Standards in the Boulder, Colorado area, in accordance with Section 11.02.

SECTION 6. COAST AND GEODETIC SURVEY:*

The Coast and Geodetic Survey provides charts for the safety of marine and air navigation; provides a basic network of geodetic control; provides basic data for engineering, scientific, commercial, industrial, and defense needs; and supports the quest for more fundamental knowledge of our geophysical environment. In performance of these functions it conducts surveys, investigations, analyses, research, and disseminates data in the following fields: hydrography, oceanography, geodesy, cartography, photogrammetry, geomagnetism, seismology, gravity, and astronomy. In support of the above objectives the Coast and Geodetic Survey maintains certain field installations and through its Field Directors directs mobile parties and field offices.

.01 The Office of Geodesy and Photogrammetry fulfills national requirements for a system of basic geodetic control and for precise gravimetric, and global configuration and mensuration data. In accomplishment of this it establishes and maintains a geodetic control network throughout the United States and a world-wide geometric network based on satellite observations; plans and directs geodetic, gravity, astronomic, earth movement, and photogrammetric surveys; and conducts related research in support of ESSA programs.

.02 The Office of Seismology and Geomagnetism supports the quest for a better understanding of seismic and geomagnetic phenomena and their relation to the state and structure of the earth; and fulfills national requirements for standardized seismic and geomagnetic data. In the accomplishment of this it collects, analyzes, and compiles data on a national and world-wide basis; maintains liaison with geophysicists throughout the world; and conducts related research in support of ESSA programs.

.03 The Office of Hydrography and Oceanography contributes to the safety of marine navigation through nautical charting; supports the quest for more knowledge about the states and processes of the ocean. In the accomplishment of this it plans and directs hydrographic and oceanographic surveys (including current surveys) and operates a network of tide stations; processes, analyzes, and compiles the survey data including the compilation of nautical charts for end use and dissemination; and conducts related research in support of ESSA programs.

.04 The Office of Aeronautical Charting and Cartography contributes to the safe navigation of air commerce and provides nautical and aeronautical charts for widespread use. To accomplish this it collects and evaluates air navigation information and compiles aeronautical chart manuscripts; prints and distributes nautical and aeronautical charts; maintains liaison with interests concerned with navigation regulations and information; and conducts research in support of these programs.

.05 The Executive and Technical Services Staff provides executive assistance to the Director and technical services in support of programs throughout the Coast and Geodetic Survey.

.06 The Field Structure consists of the various organizational elements, as enumerated below. The location of the principal field elements are shown in Exhibit 2.

- a. The Atlantic and Pacific Marine Centers, the heads of which report to the Director, Coast and Geodetic Survey.
- b. Five Field Directors who report to the Director, Coast and Geodetic Survey and are responsible for managing mobile parties and chart information and distribution field offices.
- c. Observatories, seismology centers, and tsunami centers which report to the appropriate program components at the headquarters of Coast and Geodetic Survey.

SECTION 7. NATIONAL ENVIRONMENTAL SATELLITE CENTER:*

The National Environmental Satellite Center provides observations of the environment by means of satellites; increases the utilization of satellite data in the environmental sciences; establishes and operates a national environmental satellite system; manages and coordinates all operational satellite programs within ESSA and certain research-oriented satellite programs; conducts satellite systems engineering and research; and coordinates satellite activities with NASA and DOD. The National Environmental Satellite Center operates certain field installations such as Command and Data Acquisition Stations at locations required by the satellite system.

.01 The Office of Operations provides data from environmental satellites and increases the value and the use of these data; operates the environmental satellite systems; collects, processes and analyzes data from operational and specified research and development satellites; develops new and improved applications of satellite data; and maintains close relations with prime users of satellite data within ESSA and externally with NASA and DOD.

.02 The Office of System Engineering provides the planning, design, and engineering necessary to fulfill ESSA's requirements for environmental satellite systems; conducts systems design and analysis; explores possible multipurpose uses of environmental satellite systems; performs the engineering required to implement new or modified satellite systems; and maintains close relations with NASA and DOD.

.03 The Office of Research improves understanding of the environment through satellite data and provides new and improved satellite measurement techniques and ap-

plications; and maintains close relations within ESSA, particularly with the Institutes for Environmental Research.

SECTION 8. GENERAL STAFF OFFICES:

.01 The Office of Science and Engineering coordinates, synthesizes, and evaluates ESSA's total science and engineering programs; and provides a focal point for Administration-wide information and recommendations on science and engineering in ESSA.

.02 The Office of Planning and Program Evaluation coordinates, synthesizes and evaluates ESSA program plans and provides a focal point for Administration-wide planning information and planning processes; and provides staff support to the Administrator in ESSA-wide policy, program requirements and long-range organizational and strategic planning through development and application of managerial and analytical techniques including benefit/cost determinations.

.03 The Office of Administration provides a full range of service, advice and guidance in administrative management matters throughout the Administration, including the development and application of policies, standards and procedures pertaining thereto and the exercise of functional management over the performance of administrative management functions performed elsewhere in ESSA; maintains liaison with the Bureau of the Budget, Civil Service Commission, General Accounting Office, and General Services Administration.

a. The Administrative Operations Division provides services throughout the Administration consisting of property, procurement and supply management; space and facilities management; travel and transportation services; mail and messenger services, and related office services; printing and graphics services, safety; security; and emergency planning.

b. The Budget and Finance Division provides staff assistance in formulating and executing the Administration's budget; provides financial services; develops and coordinates information necessary to formulate and execute the budget; maintains and processes records and accounts reflecting fund status, payment obligations and program expenditures; maintains relations with Bureau of the Budget, legislative staffs, and the General Accounting Office in these matters.

c. The Financial Management Systems Staff provides advice and assistance in all aspects of financial management throughout the Administration by undertaking studies, analyzing requirements, and recommending financial techniques, reporting methods, and accounting policies.

d. The Management and Organization Division provides management analysis and related staff services throughout the Administration by conducting or participating in surveys, studies, and analyses designed to improve organization management systems, and procedures; participates in organization planning and documentation; maintains a system of position control; develops systems for measuring production and performance efficiency; maintains directives and other paperwork management systems; and coordinates planning and development of ADP applications in the administrative management area.

e. The Personnel Division provides personnel management services throughout the Administration by conducting recruitment, employment, classification and compensation, employee relations, labor relations, incentive awards, and career development activities for civil service and commissioned personnel; and maintains liaison with the Civil Service Commission and deals with labor organizations on agreements.

SECTION 9. SPECIAL STAFF OFFICES:

.01 The Office of International Affairs formulates and coordinates policies, plans and procedures for U.S. participation in international activities in the environmental sciences; manages and coordinates ESSA's international training program; and advises on special programs for bilateral cooperation with foreign countries in the environmental sciences, including U.S. AID programs and PL-480 programs.

.02 The Office of Public Information plans and conducts an information program for the Administration which presents ESSA accomplishments and activities to the public, Congress, environmental data user groups, and Administration employees; coordinates public information activities within the Administration; and maintains close contact with communications media.

.03 The Management Information Center provides a broad view of ESSA program performance status to facilitate managerial decisions; and is the principal center for management information, developing and operating a system of resource status and program accomplishment reporting.

.04 The Office of User Affairs provides leadership in identifying and proposing means for improved services to users, other than aviation services; maintains continuing liaison with such user groups; and operates the Environmental Hazards Warning Information Center.

.05 The Office of Aviation Affairs coordinates aviation user requirements, balancing them against available resources; establishes objectives and recommends policies for aviation services; serves as aviation services adviser to the Administrator and his senior line managers; and advises the Administrator, FAA, on ESSA aviation service programs.

.06 The Internal Audits Staff assists the Administrator and other officials by performing comprehensive audits of operating and administrative programs to determine whether these programs are being carried out effectively, efficiently, and economically and in accordance with laws and established administrative policies and procedures; and by auditing selected procurement and other contracts and carrying out other external audit responsibilities as required.

SECTION 10. SPECIAL OFFICES:

The following offices perform special departmental responsibilities assigned to the Administration:

.01 The Office of the Federal Coordinator for Meteorological Services and Supporting Research coordinates Federal meteorological activities and prepares plans for the efficient utilization of Federal meteorological services and supporting research; and maintains relations with all Federal agencies engaged in meteorological operations and supporting research.

.02 The Office of Radio Frequency Management provides policy guidance and technical and administrative support in the determination of requirements and the management and use of radio frequencies assigned to the Department of Commerce.

SECTION 11. TRANSFER OF THE CENTRAL RADIO PROPAGATION LABORATORY:

.01 As provided by Department Order 2-A of July 13, 1965, the transfer to ESSA of the Central Radio Propagation Laboratory of the National Bureau of Standards, together with its personnel, funds, records and property, shall be effective October 11, 1965. Upon the effective date of its transfer, the Central Radio Propagation Laboratory is redesignated the Institute for Telecommunications Sciences and Aeronomy.

.02 Upon approval by the Assistant Secretary for Administration, with the concurrence of the Assistant Secretary for Science and Technology, of arrangements between ESSA and the National Bureau of Standards for providing administrative and other support services to their respective components located in the Boulder, Colorado area, which arrangements shall provide for inter-bureau serving wherever practicable, personnel of the National Bureau of Standards performing the administrative and other support functions at Boulder, Colorado that are to be assumed by ESSA shall be transferred from the National Bureau of Standards to ESSA.

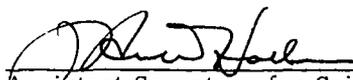
SECTION 12. ORGANIZATION CHART:

The organization structure specified in this order for ESSA is depicted in the organization chart attached as Exhibit 1.

- * Constitutes a principal constituent organizational entity of the Administration within the meaning of Reorganization Plan No. 2 of 1965.



Administrator, Environmental Science
Services Administration



Assistant Secretary for Science and
Technology

Approved:

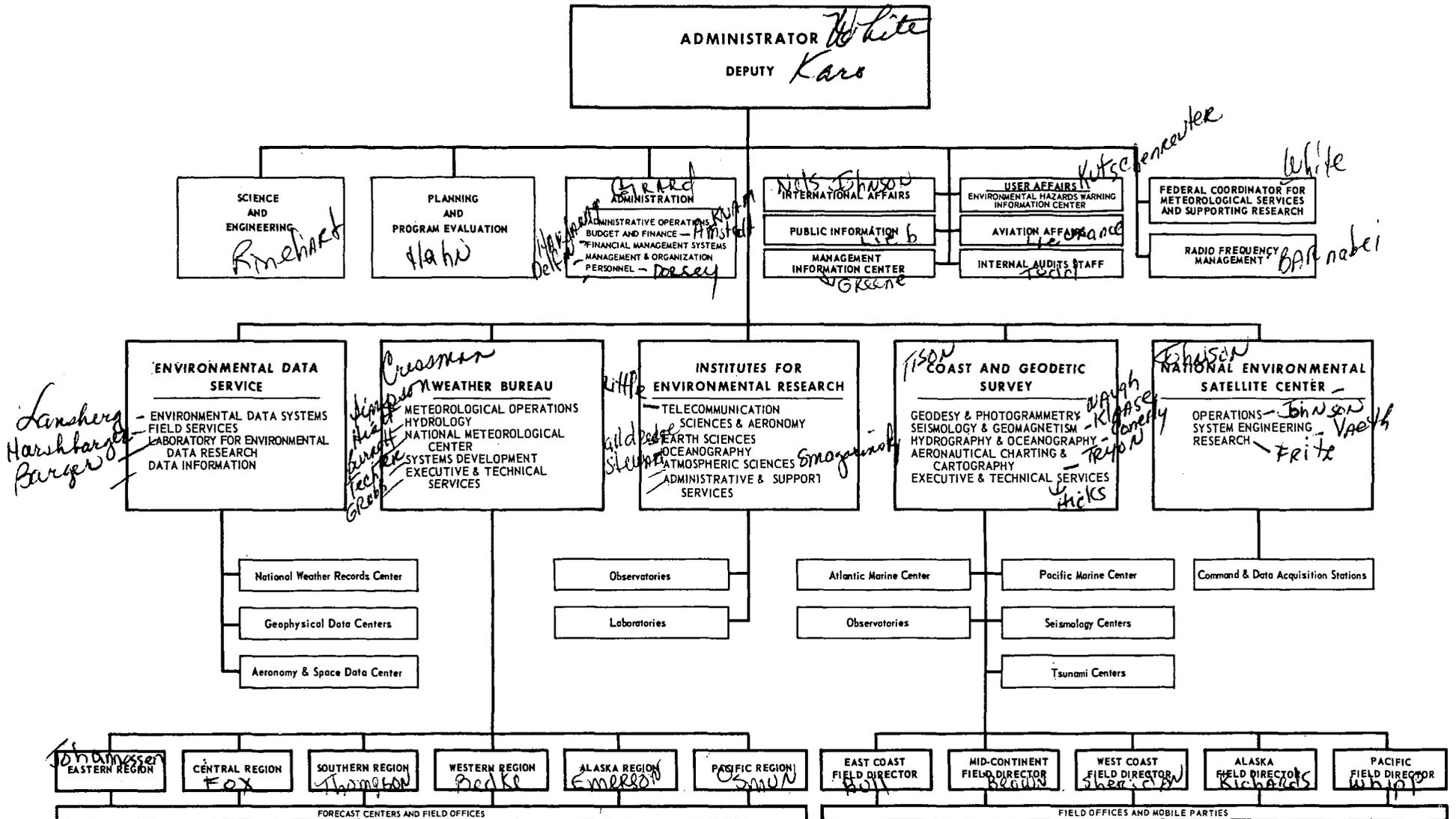


Assistant Secretary for Administration

U.S. DEPARTMENT OF COMMERCE

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

Exhibit I to D.O.2-B



Daniel R. Baldwin
 Assistant Secretary for Administration

John H. Harshbarger
 Assistant Secretary for Science and Technology

Robert W. White
 Administrator, ESSA

MEMORANDUM

TO : All Personnel in ESSA

FROM : Administrator

SUBJECT: Acting and permanent appointments in ESSA

Department Order 2-B, which prescribes the organization of ESSA, became effective on October 1, 1965. Department Order 2-A, which the Secretary of Commerce signed on July 12 to be effective on July 13, 1965, authorized the Administrator to place into effect the basic organization structure no later than January 16, 1966.

In partial implementation of this authority it is my intention to designate the individuals listed on the attachment in the positions and capacities indicated. Previous announcements have been made of permanent and certain acting appointments which have been made since July 13, 1965. These are repeated on the attachment. The list also includes positions whose functions and incumbents have not changed. Official appointments and the transfers of units of the various components of ESSA into the new organizational units will be effected prior to January 16, 1966. Except as indicated above and until such time as these appointments and transfers take place, all personnel and organizational units will continue to report as heretofore. It is to be understood that the designation of individuals in acting capacities in no way affects decisions which may be made at a later date with respect to permanent appointments.


Robert M. White

Attachment

#denotes permanent appointment.
*denotes acting appointment.
Ødenotes positions whose functions and incumbents have not changed.

Acting and Permanent Position Appointments
as of October 1, 1965

Position	
Office of Administrator:	
Assistant Administrator for Resources & Management Review	*T. P. Gleiter
Executive Officer	*J. H. Eberly
Special Assistant	*Paul L. Laskin
Special Assistant, Industrial Meteorology	*L. W. Crow
Military Advisor to Administrator	#Col. E. J. Cartwright
Director, Environmental Data Service	*Dr. Helmut E. Landsberg
Associate Director, Environmental Data Service	*Dr. Helmut E. Landsberg
Deputy Director, Climatology	*Robert W. Schloemer
Deputy Director, Geophysics	To be announced
Director, Field Services	*Harold B. Harshbarger
Director, Laboratory for Environmental Data Research	*Dr. Gerald Barger
Director, Data Information	To be announced
Director, Weather Bureau	#Dr. George P. Cressman
Associate Director of Weather Bureau (Meteorological Operations)	*Dr. Robert H. Simpson
Associate Director of Weather Bureau (Hydrology)	*Mr. William E. Hiatt
Assistant to Associate Director (Hydrology)	ØRalph F. Kresge
Chief Hydrologist	ØMax A. Kohler
Director, National Meteorological Center	ØDr. Frederick G. Shuman
Deputy Director, National Meteorological Center	ØFrank W. Burnett
Director, Systems Development	ØMerritt N. Techter
Director, Executive and Technical Services	*Russell C. Grubb
Public Information Officer	*George A. Baker
Director, Eastern Region	ØKarl R. Johannessen
Director, Central Region	ØRoy L. Fox
Director, Southern Region	ØWilmer L. Thompson
Director, Western Region	ØHazen H. Bedke
Director, Alaska Region	ØMac A. Emerson
Director, Pacific Region	ØJames W. Osmun

Position	
Director, Institutes for Environmental Research	To be announced
Director, Institute for Earth Sciences	*Dr. Leroy Alldredge
Director, Institute for Oceanography	*Dr. Harris B. Stewart
Director, Institute for Atmospheric Sciences	*Dr. Joseph Smagorinsky
Director, Institute for Telecommunication Sciences and Aeronomy	#Dr. C. Gordon Little
Director, Coast and Geodetic Survey	#Adm. James C. Tison, Jr.
Executive Assistant to Director, Coast and Geodetic Survey	#Albert A. Stanley
Associate Director of Coast and Geodetic Survey (Geodesy and Photogrammetry)	*Capt. J. E. Waugh
Associate Director of Coast and Geodetic Survey (Seismology and Geomagnetism)	*Dr. James Klaasse
Associate Director of Coast and Geodetic Survey (Hydrography and Oceanography)	*Capt. H. G. Conerly
Associate Director of Coast and Geodetic Survey (Aeronautical Charting and Cartography)	*Capt. R. H. Tryon, Jr.
Director, Executive and Technical Services	*Capt. E. F. Hicks
Director, Atlantic Marine Center	ØCapt. John Bull
Director, Pacific Marine Center	ØCapt. Harold J. Seaborg
East Coast Field Director	ØCapt. John Bull
Mid-Continent Field Director	ØCapt. Edward B. Brown
West Coast Field Director	ØCapt. Emmett H. Sheridan
Alaska Field Director	*Cdr. Eugene W. Richards
Pacific Field Director	*Capt. D. W. Whipp
Public Information Officer	ØRaymond Wilcove
Director, National Environmental Satellite Center	*David S. Johnson
Deputy Director, National Environmental Satellite Center	*Arthur W. Johnson
Director, Operations	ØArthur W. Johnson
Director, System Engineering	ØJ. Gordon Vaeth
Director, Research	*Sigmund Fritz
Chief, Support Services Group	ØCarl L. Frey
Chief Space Scientist	ØJoachim P. Keuttner
Chief, Planning & Coordination Group	ØRobert L. Pyle
Director, Science & Engineering	*Dr. John S. Rinehart
Director, Planning and Program Evaluation	*Walter A. Hahn
Deputy Director, Planning and Program Evaluation	*Capt. Harley Nygren
Director, Administration	*Raymond A. Girard
Deputy Director, Administration	*To be announced
Chief, Administrative Operations	*Ernest Kvam
Chief, Budget & Finance	*John Amstadt
Chief, Financial Management Systems	*Horace E. Hardaway
Chief, Management & Organization	*Samuel C. Delfin
Chief, Personnel	*Guy H. Dorsey
Director, International Affairs	*Nels E. Johnson
Director, Public Information	*Herbert Lieb
Director, Management Information Center	*Dwight L. Greene
Director, User Affairs	*Paul H. Kutschenreuter
Chief, Environmental Hazards Warning Information Center	*Paul H. Kutschenreuter
Director, Aviation Affairs	*Newton A. Lieurance
Internal Auditor	*William R. Todd
Federal Coordinator for Meteorological Services and Supporting Research	ØDr. Robert M. White
Deputy Federal Coordinator for Meteorological Services and Supporting Research	ØDonald M. Moore
Director, Radio Frequency Management	ØAllen Barnabei

National Oceanic and Atmospheric Administration

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