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HIGH-LEVEL WB APPOINTMENTS ANNOUNCED

Karl R. Johannessen, Director of the Weather Bureau's Eastern Region, has been named to succeed Dr. Robert H. Simpson as Associate Director of the Weather Bureau for Meteorological Operations. Dr. Simpson will transfer in April to the National Hurricane Center in Miami, to become Director of the Center after Dr. Gordon E. Dunn retires at the end of 1967. Dr. Simpson will work closely with Dr. Dunn in forecasting tropical storms in the Atlantic and Gulf of Mexico during the 1967 season, thus assuring a smooth transition in this important operation. Dr. Dunn, often referred to as "Mr. Hurricane", has directed the Miami Center since 1955.

KARL R. JOHANNESSEN

Karl R. Johannessen, who will become the Weather Bureau's new Associate Director, has been Director of the Eastern Region since January 1965. In this position, he is in charge of weather services for the Atlantic States from the Canadian border through South Carolina and from the Appalachians to the Atlantic. He came to the Weather Bureau from the U. S. Air Force, where he had served since 1951 in the positions of Scientific Services Consultant and Physical Scientist. A native of Norway, Mr. Johannessen attended Oslo University, earning his bachelor's degree in mathematics in 1938 and his master's degree in 1940. When the Germans invaded Norway in April 1940, he was attending an engineering course at the Royal Norwegian Military Academy. After participating in the fighting around Oslo, he escaped from occupied Norway to join Norwegian forces in the United Kingdom as a meteorological officer. Returning to Norway in 1945, he became senior meteorologist for the Aviation Forecasting Service of the Norwegian Meteorological Institute. In 1950, he obtained his Cand Real degree (equivalent to the American Ph.D.) from Oslo University with a thesis on theoretical meteorology. In 1958, Mr. Johannessen won a Rockefeller Public Service Award and spent nine months at the University of Chicago, doing postgraduate work in meteorology and geophysics. He is a professional member of the American Meteorological Society, a fellow of the Royal Meteorological Society, and a member of the Society of Sigma Xi, and the American Geophysical Union, and is currently serving a three-year term as Councilor of the American Meteorological Society.

ROBERT H. SIMPSON

Robert H. Simpson, who will become Director of the National Hurricane Center in Miami, has been Associate Director (Meteorological Operations) of the Weather Bureau since 1965. A Texas native, he received his B.S. in physics and mathematics from Southwestern University in 1932 and his master's in the same subjects from Emory University in 1935. After five years of teaching in Texas public schools, he joined the Weather Bureau in 1940 and served at Swan Island, Brownsville, Tex., and New Orleans, before becoming a hurricane forecaster at Miami in 1944. He moved to the Central Office in Washington in 1946, first as a research scientist in tropical meteorology and later as assistant to the Assistant Chief of the Bureau. During this period, he took part in a series of special flights through and over the great hurricane of September 1947, an experience that stimulated his interest in the use of aircraft for study of tropical storms. Later assignments took him to Honolulu as Meteorologist in Charge and back to Washington for three years as executive assistant to the Assistant Chief of Bureau for Technical Services. In 1955, he organized and became the first director of the National Hurricane Research Project, in which he advanced the technique of using aircraft in hurricane research and experimentation. Later, while serving as Assistant Director of Meteorological Research (Severe Storms), he organized and became director of Project Stormfury, an experimental program of seeding hurricanes to determine the feasibility of modifying these destructive storms. From 1964 to 1965, he was Deputy Director of National Meteorological Services (Operations). While employed by the Bureau, Dr. Simpson did further graduate work at the University of Chicago, receiving his doctor's degree in geophysical sciences in 1962. Southwestern University awarded him an honorary doctorate in science in 1963. In recognition of his contributions to the study of hurricanes, Dr. Simpson was awarded the Commerce Gold Medal in 1962. A member of numerous interagency and international committees, Dr. Simpson also belongs to the American Meteorological Society, the American Geophysical Union, Royal Meteorological Society, Washington Academy of Sciences, the Pacific Science Association, and the Society of Sigma Xi.

ESSA 3 TRANSMITTER OUT

One transmitter aboard the ESSA 3 satellite failed Jan. 14. NESG will attempt to restore it to operation. In the meantime, all data from the two camera systems and the infrared sensors must be relayed to ground stations through the other transmitter.

CEREMONY MARKS OPENING OF WEATHER CIRCUIT

In a Jan. 17 ceremony at the National Meteorological Center (NMC), Dr. Robert M. White, ESSA Administrator, and Dr. Erich Sussenberger, director of the weather service of the Federal Republic of Germany, opened a new high-speed weather communications circuit linking North America and Europe. Also participating in the ceremony were Dr. Ernst Lingelbach, chief of meteorology for the Federal Ministry of Transport, and Dr. Julius Brinkmann, head of the West German weather service's forecast division. ESSA representatives, in addition to Dr. White, were Dr. Geroge P. Cressman, WB Director; Dr. Frederick G. Shuman, NMC Director; Harold A. Bedient, chief of NMC's Data Automation Division; and John C. Straiton, chief of the WB's Communications Division. The circuit between Washington and Offenbach (Frankfurt), Germany, is expected to revolutionize the exchange of weather information between Europe and North America. Capable of voice, teletypewriter or pictorial transmission, it replaces an older line that carried only teletypewriter messages at a relatively slow speed of 100 words per minute. The new circuit is 10 times faster.

DEEP-SEA GAGES INSTALLED

C. W. Iseley, electronics engineer of the C&GS Engineering Division, assisted in the installation January 7 of deep-sea tide and wave gages on Cobb Seamount in the North Pacific Ocean. The project is a cooperative effort of the University of Washington and ESSA's Institute for Oceanography to study ocean tides and winter sea-state conditions. Recovery of the instruments is planned for early spring. Dr. Robert E. Burns, Chief, Joint Oceanographic Research Group, is the project's coordinator.

EARTHQUAKE LAB DEDICATES NEW FACILITY

Dr. Don Tocher, Director of ESSA's Earthquake Mechanism Laboratory, was host at Jan. 17 ceremonies dedicating the Laboratory's Geophysical Data Acquisition and Analysis (DACAN) Facility in San Francisco. The dedication address was delivered by Dr. George S. Benton, IER Director. Dr. Leroy R. Alldredge, Director of the Institute for Earth Sciences, was master of ceremonies and spoke briefly on current IES research programs bearing on seismological problems. The ceremony was attended by ESSA officials and by scientists and engineers from other Federal agencies, universities, and private industry.

TO YOUR HEALTH

Ivan L. Crabbe, a member of C&GS field party G-19, has been with the Survey more than 25 years without using one day of sick leave.

NEW ASSIGNMENTS

Robert T. Frost, former administrative officer for the Institute for Telecommunication Sciences and Aeronomy, has been appointed IER executive officer. Mr. Frost will serve as an advisor to the director on management policies and organizational development, assist in planning research programs, and serve as a consultant on the use and control of IER resources.

Three USESSA officers trained in engineering are now working at Weather Bureau River Forecast Centers. Lieutenant (j.g.) Stanley M. Hamilton is at Kansas City, Ensign John W. Meyers is at Harrisburg, Pa., and Ensign Kanezo Damoto is at Cincinnati. Another new member of the commissioned corps, Ensign Gary R. Polvi, has been assigned to the Project Engineering Section, Weather Bureau Eastern Region.

Captain Harry D. Reed, Jr., former commanding officer of the USC&GSS HYDROGRAPHER, is operations officer at the C&GS Atlantic Marine Center in Norfolk, Va.

Woodrow W. Dickey has transferred from the WB's Southern Region Headquarters to Western Region Headquarters as Assistant Meteorologist in the Scientific Services Division. Mr. Dickey entered the Weather Bureau from the United States Air Force in 1947; he has held positions as research meteorologist in Washington, D. C., Denver, Seattle, and Fort Worth.

Paul L. Moore assumed his new duties as Chief, Scientific Services Division, at WB Southern Region Headquarters on January 10. Mr. Moore, whose previous assignment was principal assistant at the National Hurricane Center, earned his master's degree in meteorology at Florida State University and now is working toward his Ph.D.

TWO LARGE QUAKES REPORTED

The National Earthquake Information Center reports two magnitude-6 earthquakes on Jan. 16 and 17. The first occurred 375 miles below the earth's surface in Santiago del Estero Province, Argentina. The second, off the coast of Northern Honshu, Japan, was felt sharply in Tokyo.

NAMIAS RETURNS FROM NYU

Jerome Namias, Chief of the WB's Extended Forecast Division, returned January 3 from a 4-month leave of absence which he spent as Distinguished Visiting Scientist at New York University's Department of Meteorology and Oceanography. At NYU, he participated in a study of drought in the Northeastern United States and held a series of seminars.

SUGGEST A BETTER WAY

Cost-cutting suggestions by Federal employees rose to an all-time high during fiscal year 1966 and saved the Government more than \$123 million. Awards paid for these suggestions totaled \$4.2 million and averaged \$30. On a percentage basis, ESSA's achievements in this program fell behind Commerce and the entire Federal Government. Suggestions from ESSA employees resulted in savings of \$43,000, with awards averaging \$25. So, if you want to earn some easy money (and increase ESSA's contribution to Government savings), look around and come up with that suggestion.

SCHOLARLY STAFF AT KANSAS CITY

Forty-five employees of the National Severe Storms Forecast Center at Kansas City -- more than half of the Center's staff -- took university courses in 1966, accumulating 210 semester hours. Five men -- Donald Whitman, Don Kelly, Emery Henderson, Gene Sooter, and Paul Bredeman -- managed to acquire 10 or more semester hours while working full time.

RECRUITERS HIT THE ROAD

Lieutenant William T. McMullen, recruiting officer at C&GS' Mid-Continent Field Office, Kansas City, Mo., is on a recruiting trip which will take him to Prairie View (Tex.) A & M College, University of Denver, and the University of Colorado. Commander Kenneth A. MacDonald, Chief, Operations Division, is scheduled to make a similar trip later this month to the South Dakota School of Mines.

ASTRONOMICAL PROBLEMS DISCUSSED

Dr. William B. Jones, an ITSA consultant, gave a paper on numerical mapping as applied to astronomical problems before the American Astronomical Society's 123rd meeting at Los Angeles last month. An application of the new method was made to the mapping of luminosity distribution in galaxies. Other possible applications to optical and radio astronomy include mapping of flux densities, spectral indexes, polarization, magnetic and velocity fields, star counts, contrast enhancement, and noise reduction.

MICRONESIAN NAMED PACIFIC OBSERVER OF THE QUARTER

Claudio Handrich Wilson, Micronesian meteorological technician assigned to the Weather Bureau office at Ponape, Trust Territory, was named the Pacific Region Observer of the Quarter for his observational performance during the third quarter of 1966. Mr. Wilson also received a cash award of \$200 in recognition of the high quality of his technical performance.

EXTRACURRICULAR HONORS

Rear Admiral John C. Bull, Director of the C&GS Atlantic Marine Center and East Coast Field Director, has been elected to a 3-year term on the Board of Directors of the Hampton Roads (Va.) Post of the Society of American Military Engineers and also has been named a Government member on the Governing Board of the United States Power Squadron.

Everett M. Hester, Chief of the Aeronautical Chart Branch at C&GS' Mid-Continent Field Office, has been elected president of the American Congress on Surveying and Mapping's Heart of America Section, which covers eastern Kansas and western Missouri. Captain Edward B. Brown, Mid-Continent Field Director, is a new member of the Section's Board of Directors.

H.C.S. Thom, EDS' Senior Research Fellow, has been appointed to the Structural Safety Committee of the American Concrete Institute. The committee develops and correlates knowledge regarding structural safety of reinforced concrete and recommends improvements in design and construction.

Frank T. Quinlan of the National Weather Records Center, Asheville, N.C., is one of five finalists for the annual Junior Chamber of Commerce Distinguished Service Award of that city. Mr. Quinlan, a member of the Center's Scientific Advisory Group, is active in a number of community organizations.

James C. Fidler, WB Meteorologist in Charge at Austin, Tex., has been elected to the executive committee of the newly organized Austin Federal Executive Association.

William Crichlow, an IER electronics engineer who began his career manning the controls for the "Grand Ol' Opry" radio broadcasts, has been elected a Fellow of the Institute of Electrical and Electronics Engineers (IEEE). Crichlow is chief of a group working on interference caused by electric power lines, automobile ignitions, and other man-made devices. The group's findings are expected to throw some light on the feasibility of Government regulation of such interference.

BOMB'S AWAY

Technical specifications for construction of a new Weather Bureau facility at Yap Island, Pacific Trust Territory, did not cover all contingencies. According to the specs, "the Contractor shall fill and compact all bomb craters on the building site and cut up, remove and dispose of the shot-up (or shot-down) Japanese Zero on the building site." There was no provision for the live, 500-lb. bomb unearthed during clearing and grading operations. However, it was deactivated and removed by a demolition team.

NEW CSC POLICY ON FORMER OFFENDERS

In support of the national campaign against crime in America, the Civil Service Commission has adopted a new Federal employment policy that will aid in the rehabilitation of "good risk" former offenders. The new policy stresses the need to consider each applicant for employment on his or her individual merits and permits agencies to employ parolees and probationers without the Commission's prior approval. In the Standard Form 57 and other application forms, questions about arrests will be replaced by questions about convictions, forfeiture of collateral, and pending charges.

WB MAN ON NATIONAL TV

Charles F. Roberts, Chief of the WB's Technical Procedures Branch, will be featured on a segment of the CBS television program "To Tell The Truth", scheduled for broadcast on January 25. Mr. Roberts is one of those responsible for developing the probability of precipitation (percentage) forecast program currently being used by the Bureau.

COOPERATION YIELDS NEW ECONOMY

Everett M. Hester, Chief of the Aeronautical Chart Branch at C&GS' Mid-Continent Field Office, and David R. Coulter, Quality Control Officer of the WB Central Region, are working on final details of a pilot program under which WB quality control officers inspecting Bureau airport operations would also consult with aeronautical chart agents at the airports, thus eliminating special trips by C&GS personnel.

ALASKA GIRL WATCHES WEATHER

Miss Nancy Woods, a comely 19-year-old from Palmer, Alaska, is the first full-time Weather Bureau observer to be hired in ESSA's new cooperative program with FAA in Alaska. In this program, WB observers at 17 stations will take observations during periods when FAA specialists are not on duty, thus providing weather information not available previously.

OTTMER TO APPEAR ON PANEL

Representing ESSA as one of four panel speakers at a combined meeting of the American Congress on Surveying and Mapping and the Louisiana Land Surveyors Association in New Orleans, La., later this month will be Charles D. Ottmer, Assistant Chief of Operations in the C&GS Mid-Continent Field Office. Ottmer is currently inspecting geodetic field parties operating in New Mexico and Texas.

NEW WEATHERMAN AT HAVRE

Grayson V. Cordell has been appointed Meteorologist in Charge of the Havre, Mont., WBAS, and the station's hours of operation increased to 24 per day. In addition to a complete program of aviation and synoptic observations, local weather forecast and advisory service to agriculture, aviation, and the general public is being expanded to meet user requirements in north central Montana.

UNBALANCED LINE ?

Details are somewhat sketchy, but according to a report from the South Pole, a six-man Antarctic Research Project team, playing with no substitutes, held a 14-man Navy team to a 6-6 tie at the "Pole Bowl" in December.

MARINE DATA AUTOMATION DISCUSSED

C&GS' Marine Chart Division held a briefing Jan. 16 for representatives of the Naval Oceanographic Office, on the Survey's progress in automating marine data required for an integrated automated compilation system. The Hydrographic Data Acquisition System, the semi-automatic shipboard loggers, and the newly acquired cartographic logger were demonstrated.

ENGINEER COATS RETIRES

Chief Engineer John P. Coats retired Dec. 30 after 34 years of Government service. He spent his last year aboard the USC&GSS HYDROGRAPHER. Prior to that, he served on the USC&GSS PEIRCE and other Coast Survey vessels.

DECEMBER RETIREMENTS

The following employees of the WB's Southern Region retired on December 30: Jack L. Hudnall, MIC, WBAS, West Palm Beach; William O. Sisk, Meteorologist, WBO, New Orleans; Harold A. Sawyer, Meteorologist, WBAS, El Paso; Ila B. Smith, Accounting Officer, WBRH, Fort Worth; Francis C. Bidwell, Meteorological Technician, WBAS, Tampa; and Francis X. Martin, Meteorological Technician, WBAS, San Juan.

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National Oceanic and Atmospheric Administration

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