

NEW ESSA PUBLICATIONS

ESSA Symposium on Earthquake Prediction, Rockville, Md., February 7, 8, 9, 1966, Washington, D.C., 1966. Price \$1.00.

The 31 papers presented at this symposium, which was called to document the capability of ESSA and its contractors in the field of earthquake prediction, are given in full and in summary form. The papers are divided into the following topics: Physical basis of earthquakes, Instrumenting earthquake fault zones, Engineering seismology and earthquake engineering, and Geophysical and geological survey of earthquake fault zones and miscellaneous projects.

Environmental Data Service

World Weather Records 1951-1960

Vol. 2, Europe, Washington, D.C., 1966, 547 pp. Price \$3.00.

Vol. 3, South America, Central America, West Indies, The Caribbean, and Bermuda, Washington, D.C., 1966, 360 pp. Price \$2.00.

Contains the record of monthly mean values of station pressure, sea level pressure and temperature, and monthly total precipitation for stations on the European continent during the period 1951-60. Volume previously issued covers North America. Three succeeding volumes will cover Africa, Asia, and Australia-New Zealand-Antarctica-Oceania.

Weather Bureau

Technical Paper No. 57, "Normal Monthly Number of Days with Precipitation of 0.5, 1.0, 2.0, and 4.0 Inches or More in the Conterminous United States," prepared by John F. Miller and R. H. Frederick, Washington, D.C., 1966, 52 pp. Price \$1.50.

Generalized estimates of the normal number of 24-hr. periods with precipitation equal to or greater than 0.50, 1.00, 2.00, and 4.00 inches, are presented in map form for the 48 conterminous States. Data are from the period 1931-60 to conform with the World Meteorological Organization standard for climatological normals.

Technical Paper No. 58, "A Catalog of Radar-Positioned Constant-Volume Balloon (Tetroon) Flights," Washington, D.C., 1966, 293 pp. Price \$3.25.

Presents a summary of radar-tracked constant-volume balloon flights made by the Air Resources Laboratory of the Institute of Atmospheric Sciences, ESSA, at Cape Hatteras, N.C.; Wallops Island, Va.; Las Vegas, Nev.; Cardington, Bedfordshire, England; Los Angeles, Calif; and Atlantic City, N.J. Each tetroon flight is represented by derived flight information in tabular form and a horizontal projection of the tetroon trajectory. Column listings represent (1) number of minutes following release, (2) elevation angle, (3) azimuth angle, (4) range from radar, (5) tetroon height, (6) east-west and north-south distance from radar, (7) east-west and north-south tetroon speed, (8) vertical speed, (9) radial and normal tetroon velocities, (10) tetroon-derived wind direction, (11) tetroon speed. The trajectories are mapped on simplified topographic bases.

The above publications are available from Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402.