

Films of The Week

Listing for readers' information of new 16mm and 8mm films on science, engineering, medicine and agriculture for professional, student and general audiences. For further information on purchase, rental or free loan, write to distributor listed.

ESS-MANUFACTURING REPORT ON TELEPHONE TECHNOLOGY. 16mm, color, sound, 26 min. Shows today's manufacturing methods being transformed by an electronic's revolution, with challenges to scientists and engineers posed by subminiaturization, photoforming processes, and solid state technology. Audience: scientists, engineers, science clubs, colleges, persons interested in automation. Free loan from Sterling Movies, 43 W. 61 St., New York, N.Y. 10023. (Produced by Western Electric).

THE FARTHEST FRONTIER. 16mm b&w, sound, 47 min. Report on the revolutionary new "mind drugs" and their potentialities, with case histories of a child saved from a life of mental retardation and the recovery of an apparently hopeless psychotic. Audience: social, psychology, and behavioral science courses in educational institutions, adult groups in business and industry. Sale \$250 or rental information from Carousel Films, 1501 Broadway, Suite 1503, New York, N.Y. 10036. (Produced as CBS Reports program).

The following films were produced for the Organization for Economic Cooperation and Development in cooperation with the International Council for Educational Films, by national audiovisual groups within a group of European countries.

The films were planned for use in science classes and survey courses in high school and college, and for general adult audiences concerned with the scientific developments of recent years.

The films are available for purchase or rental at the prices indicated from International Film Bureau, 332 South Michigan Ave., Chicago, Ill. 60604.

CONQUEST OF THE ATOM. 16mm, color, sound, 22 min. The story of the splitting of the atom through the operation of the first atomic pile. Discusses the work of J. J. Thompson, Ernest Rutherford, Sir John Cockcroft, Sir James Chadwick, and Enrico Fermi. Sale \$195 or rental \$12.50.

THE DEVELOPMENT OF ELECTROCHEMISTRY. 16mm, color, sound, 19 min. Historical survey of the production of an electrical current by chemical action, covering the work of Alessandro Volta, Sir Humphrey Davy, Hans Christian Oersted, Michael Faraday, van't Hoff, and others in Europe and America. Sale \$195 or rental \$12.50.

THE DISCOVERY OF RADIOACTIVITY. 16mm, color, sound, 15 min. The discovery and progressive developments leading to our present knowledge of radioactivity, starting with Wilhelm Rontgen, and continuing with the work of Henri Becquerel, Marie Curie, Elster and Geitel, and Ernest Rutherford. Sale \$165 or rental \$9.00.

THE DISCOVERY OF INERT GASES. 16mm, color, sound, 19 min. Covers the discovery of helium by Janssen, argon by Rayleigh and Ramsey, and how Ramsey and Travers found that helium, argon, neon, krypton, and xenon could be produced by the process of liquifying air and collecting its constituents separately. Sale \$195 or rental \$12.50.

THE FIGHT AGAINST MICROBES. 16mm, color, sound, 29 min. Story of the development of methods for combatting pathogenic bacteria, pointing up the contributions of Leeuwenhoek, Jenner, Koch, Roux, Lister, Ehrlich, Domagha, and Fleming. Sale \$275 or rental \$15.00.

GIRDLE AROUND THE EARTH. 16mm, b&w, sound, 20 min. Chronicles the early developments on which present telecommunications are based, including the work of Oersted, Ampere, Cook, Wheatstone, Morse and Vail, Kelvin and Cyrus Field, Marconi, Fleming, and de Forest. Sale \$125 or rental \$6.00.

A NEW REALITY. 16mm, color, sound, 51 min. Traces the discovery of the structure of the atom, emphasizing the work of Niels Bohr, and showing the contributions that Bohr has made to our knowledge not only of physics, but through the implications of his work, in biology, psychology, and philosophy. Sale \$475 or rental \$22.50.

PRELUDE TO POWER. 16mm, b&w, sound, 25 min. The story of the life of the nineteenth century scientists, Michael Faraday, and of his work in the field of electromagnetism. Sale \$135 or rental \$9.00.



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