

films OF THE WEEK

Listing is 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 or circle the appropriate number on the Readers' Service Card.

I JUST DON'T DIG HIM. 16mm, color, sound, 11 min. Dramatizes the problem of communication between father and son. When 14-year-old Ken comes home very late one night, he and his worried father have an argument. The events of the following day subtly suggest how father and son can learn to accept each other more realistically as individuals with strengths and weaknesses. Sponsored by the Connecticut State Department of Mental Health and the State Mental Health Associations of Arkansas, South Carolina and North Carolina. Audience: high school.

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INTERPLANETARY SPACE. 16mm, color, sound, 23 min. Presents a portrait of the sun's family—its planets and some of the lesser members of the solar system, such as asteroids, meteoroids and comets. As the changing concepts of the universe are traced from ancient time to the present, we see how the launching of the Mariner II in 1962 represented a turning point in interplanetary environment investigation. We also learn about the solar wind—its discovery, characteristics and effects—and how a better understanding of the solar wind may provide us with many answers concerning the strange environment of interplanetary space and perhaps the origin of the solar system itself. Audience: general.

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MARIJUANA: THE GREAT ESCAPE. 16mm, color, sound, 20 min. George Willis is a young drag racer—one of the best. He knows that to be a top professional driver, he needs complete concentration and perfect reflexes. At 240 miles per hour, he has no room for mistakes, yet he makes a big one—he smokes marijuana. The film shows that not everyone will die as a result of using marijuana, but every user sacrifices control of his own will, judgment and perception. The film also demonstrates the established effects of marijuana and emphasizes the possibility of psychological dependence. Audience: high school, college, adult.

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NATIONAL COMMITTEE FOR ELECTRICAL ENGINEERING FILMS. Seven 16mm films, primarily in the field of electromagnetic theory and circuit theory for use in teaching the fundamental aspects of electrical engineering. Intended to supplement rather than compete with the lecturer and the laboratory. Titles are: "Complex Waves I: Propagation, Evanesence and Instability" (b&w, sound, 26 min.); "Complex Waves II: Instability, Convection and Amplification" (b&w, sound, 24 min.); "Synchronous Machines: Electromechanical Dynamics" (b&w, sound, 33 min.); "Harmonic Phasors" (b&w, silent, 7 min.); "Response of a Resonant System to a Frequency Step" (b&w, silent, 12 min.); "Wave Velocities, Dispersion and the W-B Diagram" (b&w, sound, 28 min.), and "Movies from Computers: An Interim Report" (b&w, sound, 20 min.). Audience: college.

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books OF THE WEEK

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FRANCIS BITTER: Selected Papers and Commentaries—T. Erber and C. M. Fowler, Eds.—MIT Press, 1969, 551 p., illus., \$20. Contains the principal papers on ferromagnetism, the construction of powerful electromagnets, optical pumping and double resonance, as well as other articles, a biographical sketch and bibliography.

THE HARRIED LEISURE CLASS—Staffen Burenstam Linder—Columbia Univ. Press, 1970, 182 p., \$7. Economist examines the changing uses of time, the hectic pace of leisure pursuits, the relationship between the complexity of goods and services offered and the harried consumer, culture time, and savings theories. Appendix contains mathematical formulas.

HISTORICAL STUDIES IN THE PHYSICAL SCIENCES, Vol. I—Russell McCormach, Ed.—Univ. of Pa. Press, 1969, 314 p., \$8.50. First of new annual devoted to the post-Scientific Revolution period in the history of modern physical sciences, starts with a critical book report on Sir John Herschel's Philosophy of Success.

ION-SELECTIVE ELECTRODES—Richard A. Durst, Ed.—NBS (GPO), 1969, 452 p., illus., \$3.50. Formal report of the proceedings of 1969 symposium held at National Bureau of Standards, with topics ranging from theory of membrane electrode potentials to analytic techniques and applications of ion-selective electrodes.

KANGAROOS—H. J. Frith and J. H. Calaby—Humanities Press, 1969, 209 p., 24 plates, drawings, \$16. Describes the life history, evolution, distribution and behavior of kangaroos in the light of modern research findings, and outlines the essential biological facts on which to base conservation policies.

LANDFORMS OF COLD CLIMATES—J. L. Davies—MIT Press, 1969, 200 p., 40 plates, diagrams, maps, \$12.50. Concerned with the landscapes produced where water exists commonly in solid form—as ground ice, snow or glacial ice, includes results of recent work in the Arctic and Antarctic.

THE MODERN PUBLIC SECTOR: New Ways of Doing the Government's Business—Murray L. Weidenbaum—Basic Bks., 1969, 211 p., \$5.95. Evaluates the economic and political implications of the public-private relationships through which the federal government seeks to operate as an agency of military preparation, scientific exploration, economic development and social welfare services.

SEXUALITY AND MAN—Compiled and edited by Sex Information and Education Council of the United States, introd. by Mary S. Calderone, M.D.—Scribner, 1970, 239 p., \$6.95. Authoritative and well-written information largely based on SIECUS Study Guides, includes directory on film resources, reference notes, bibliography and index.

SINCE SILENT SPRING—Frank Graham, Jr.—Houghton, 1970, 333 p., \$6.95. Summarizes the genesis of Rachel Carson's book, the controversy that followed, the evidence that confirmed the hazards of indiscriminate use of pesticides and new developments in control programs; includes list of safer pesticides and federal registration requirements.

TOWARD CENTURY 21: Technology, Society and Human Values—C. S. Wallia, Ed.—Basic Bks., 1970, 318 p., \$8.95. Based on lecture series given at Stanford University, the book assesses progress and direction of our society in the latter part of the century from the perspective of biopsychological developments, creativity, economic development, the political system and humanistic concepts.

X-RAY DIFFRACTION METHODS IN POLYMER SCIENCE—Leroy E. Alexander—Wiley-Interscience, 1969, 582 p., illus., \$27.95. Comprehensive treatment of the X-ray diffraction methods used in the stereochemical and physical characterization of polymers, particularly in the study of "linear" synthetic macromolecules.

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