

# 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.

**AFRICAN WILDLIFE SANCTUARY.** 16mm, color, sound, 11 min. Kruger National Park, located in the low veld of the Transvaal in the Republic of South Africa, is the world's largest and most amazing wildlife sanctuary. As one travels the roads and trails in the park, one may well expect to meet many specimens of wildlife, including ostrich, hammerhead, guinea fowl, baboon, monkey, lizard, giraffe, elephant, lion, zebra, impala, wildebeest, eland, kudu, sable and roan antelope. Audience: elementary through adult. Purchase information from Walt Disney Productions, Educational Film Div., 477 Madison Ave., New York, 22, N.Y.

**THE BRAIN DAMAGED CHILD.** 16mm, b&w, sound, 31 min. Records interview between psychiatrist and a seven-year-old boy with organic brain damage. Through play with clay figures and discussion, shows such behavior phenomena as hyperactivity, poor motor coordination, dependency relationship with mother, heightened sibling rivalries and resentments, and resistance to pressure to perform beyond capability. Brings out lack of ego defenses and uninhibited relatedness to interviewer. The stress situation of the interview produces some overt responses which illustrate the above behavior more clearly. Audience: For Restricted Use Only. Purchase \$150 or rental \$6.60 from Psychological Cinema Register, Pennsylvania State University, University Park, Pa. 16802.

**THE CHARACTER OF PHYSICAL LAW.** 16mm, b&w, sound, 7 films of 54 min. each. A series of filmed lectures by Richard P. Feynmann, professor of theoretical physics, California Institute of Technology. Titles of individual films are: The Law of Gravitation, An Example of Physical Law; The Relation of Mathematics to Physics; The Great Conservation Principles; Symmetry in Physical Law; The Distinction of Past and Future; Probability and Uncertainty—The Quantum Mechanical View of Nature; Seeking New Laws. Audience: college. Purchase \$300 each or \$1,800 for all seven, or rental \$35 each or \$200 for all seven, from Peter M. Robeck and Co., 230 Park Ave., New York, N.Y. 10017. (Produced by BBC-TV.)

**GREAT IS THE HOUSE OF THE SUN.** 16mm, color, sound 21 min. Atop Mount Haleakala, the "House of the Sun," Dr. Walter Steiger and his colleagues from the University of Hawaii study the effects of the airglow phenomena and solar radiation in space, while other scientists prepare experiments to be flown aboard space rockets to study ultraviolet radiation. Audience: general. Free loan from NASA field libraries, or information from National Aeronautics and Space Administration Headquarters, Code FAD-2, Washington, D.C. 20546.

**THE NEUROTIC CHILD.** 16mm, b&w, sound, 28 min. Depicts a seven-year-old boy diagnosed as a psychoneurotic, in clinical interview situation. Shows the defensive mechanisms involved in his struggle to relate to the world as he perceives it. Illustrates reactions to reality testing, attitudes toward father, and fantasy portrayal related to relative sizes of boy and his father. Demonstrates aggressive feelings inhibited by fear of reprisal. Audience: For Restricted Use only. Purchase \$145 or rental \$6.10 from Psychological Cinema Register, Pennsylvania State University, University Park, Pa. 16802.

**THE ODDS AGAINST.** 16mm, b&w, sound, 29 min. Shows John James Mitchell, a youthful offender involved for the first time in adult criminal behavior. He passes his time in routine boredom, unchanged by the experience. His prison is contrasted to progressive facilities throughout our country. Audience: general. Free loan from Sterling Movies, 43 W. 61st St., New York, N.Y. 10023. (Presented by the American Foundation of Corrections.)

**ONE IN A MILLION.** 16mm, color, sound, 15 min. Provides a capsule introduction to the theory and practice of atomic absorption analysis. Makes clear what atomic absorption is, why it can determine metals at concentrations of one part per million or less, how an analysis is run with a modern atomic absorption instrument, and the fields of research, industrial and medical analysis in which it is used. Audience: teachers, laboratory training supervisors. Limited number of prints available for free loan from Fisher Scientific Co., Advertising Dept., 711 Forbes Ave., Pittsburgh, Pa. 15219.

20/science news/vol. 96/july 12, 1969

## LETTERS

# to the editor

### Disease and distance

If Ravich (Letters to Editor, SN: 5/3, p. 420) is so very certain that a virus, and a known one at that, is the causative agent in prostatic and cervical cancer, one should hope that he and colleagues are working overtime in perfecting a vaccine against the specific virus. Immunization against viral diseases—from rabies to polio—has been extremely successful. Surely such a task would be easier than effecting a cure for those cancers once initiated. Who over 40 wouldn't spend a few dollars for insurance against those cancers?

In the same issue on page 424, you state: "The solar system is believed to be about 70,000 light years from the center of the Milky Way, which is about 100,000 light years across." This is difficult to visualize. Is the center eccentric? Further, those astronomers who give 100,000 light years as the diameter give about 30,000 to 35,000 light years as the distance from sun to galactic center.

John J. Griggs  
Bend, Ore.

### Low-cost but dead

In the article on Job Corps (SN: 4/26, p. 400) it was reported that Shultz wants to cut the cost-per-year for each trainee from, "\$8,000 under the present system to about \$5,250 in the more urban-oriented centers which have been left open, where young people can stay close to home during training."

The facts are, that the Parks Job Corps Center already has a cost figure of \$5,276 per trainee. The \$8,000 figure mentioned by Shultz in the article is at least three years old. This present \$5,276 cost figure now contracted for by Parks also includes all OEO costs, and is computed on the basis of one training slot per year. Dur-

ing a year, however, several corpsmen may be trained and made employable. Using this slot-per-year figure it costs \$6,000 per year to keep a youth in the Juvenile Hall of San Francisco. Although Parks is close to San Francisco and Oakland, and has the highest placement rate in the nation, with the second lowest cost per trainee factor, it is still being closed down. As it stands now almost 1,000 of the corpsmen at Parks will be going back home.

Carl Hemepe  
Community Relations  
Parks Jobs Corps Center  
Walnut Creek, Calif.

### Supportive recognition

I thought your article on the X-ray pulsar (SN: 5/31, p. 522) was a good one. It was also most helpful to have Gilbert Fritz pin-pointed in the article, since his efforts were the key ones in the accomplishment of the project. Recognition of this type can be very supportive to a young scientist who is making contributions within an older recognized research group.

Talbot A. Chubb  
Head, Upper Air Physics Branch  
Naval Research Laboratory  
Washington, D.C.

### More enlightenment

I liked Miss Culliton's article on "Phil" Handler (SN: 6/14, p. 579). The study of these scientific personalities is an important part of understanding the goals and practice of science. If there is to be more enlightenment about its social and personal role, there must be perceptive writers who inquire how scientists relate to their work. Such inquiry is important, if science is, and might well be seen more often in your pages.

James H. McCormick, Grad Student  
University of Minnesota  
Minneapolis  
(see p. 22)

## SCIENCE NEWS

Copyright © 1969 by Science Service, Inc., 1719 N Street, N.W., Washington, D.C. 20036 Republication of any portion of SCIENCE NEWS is strictly prohibited.

Subscription rate: 1 yr., \$7.50; 2 yrs., \$13.50; 3 yrs., \$19.50. Special trial offer: 39 weeks, \$3.97. Single copy, 25 cents. No charge for foreign postage. Change of address: Three weeks' notice is required. Please state exactly how magazine is addressed. Include zip code.

Printed in U.S.A. Second class postage paid at Washington, D.C. Established as Science News Letter® in mimeograph form March 13, 1922. Title registered as trademark U.S. and Canadian Patent Offices. Indexed in Reader's Guide to Periodical Literature, Abridged Guide and the Engineering Index. Member of Audit Bureau of Circulation. UNSOLICITED MANUSCRIPTS will not be returned unless accompanied by a stamped, self-addressed envelope.

Published every Saturday by SCIENCE SERVICE, Inc., 1719 N St., N.W., Washington, D.C. 20036. North 7-2255. Cable Address: SCIENSERV.

### ADVERTISING STAFF

Director: EARL J. SCHERAGO

Production Manager: KAY GOLDSTEIN

Advertising Sales Manager: RICHARD L. CHARLES

Sales: New York, N.Y. 10036: Robert S. Bugbee, 11 W. 42 St. (212-PE-6-1858); Scotch Plains, N.J. 07076: C. Richard Callis, 12 Unami Lane (201-889-4873); Medfield, Mass. 02052: Richard M. Ezequiel, 4 Rolling Lane (617-444-1439); Chicago, Ill. 60601: Herbert L. Burklund, Room 2107, 919 N. Michigan Ave. (312-DE-7-4973); Beverly Hills, Calif. 90211: Winn Nance, 111 N. La Cienega Blvd. (213-657-2772).