

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.

DIRECT OBSERVATION OF SINTERING PROCESSES WITH THE REICHERT MICROSCOPE. 16mm, b&w, silent with titles and subtitles, 8 min. Covers several sequences including sintering of a specimen consisting of 80 percent Ni and 20 percent Cu, complete solubility in the system Ni-Cu, diffusion coefficient of Cu in Ni greater than that of Ni in Cu, pronounced Kirkendall effect. Audience: technical. Loan for \$3 per day service charge from William J. Hacker and Co., P. O. Box 646, West Caldwell, N. J. 07006.

FLOWER CLUSTERS. 16mm, color, sound, 15 min. Describes a number of members of the flower family. Time lapse photography shows emerging blossoms, and simple charts highlight the major branches so that derivation and relationship of this broad botanical family are clearly shown. Flowers shown include snapdragons, lilies of the valley, bleeding hearts, apple blossoms, cowslips, catkins and sunflowers. Audience: elementary, junior high, college. Purchase \$175 from Fleetwood Films, 34 MacQuesten Parkway S., Mt. Vernon, N. Y. 10550.

LSD: INSIGHT OR INSANITY? (Revised). 16mm, color, sound, 28 min. The unsupervised use of LSD, outside the medical setting, is very dangerous and can lead to serious and perhaps permanent brain damage and personality destruction. More important, LSD also produces serious chromosomal damage to its users. Leading doctors, scientists and geneticists discuss the newly found yet little-known effects of LSD upon the chromosomes. In pregnant females, LSD has been known to produce mental retardation and monster-like mutations in their offspring and in future generations. Film shows actual fetal damage to hamsters. The documented evidence presented readily testifies to the dangers of LSD and the fallacy of many of the wild and false claims made for it. Audience: high school, college, adult. Purchase \$300 or rental \$25 from Bailey Films, 6509 De Longpre Ave., Hollywood, Calif. 90028.

SOLAR RADIATION II: THE EARTH'S ATMOSPHERE. 16mm or Super 8mm, color, sound, 20 min. Both live action and animation techniques are employed to describe the nature and spectral distribution of solar and terrestrial radiation. Students learn that heat is added to the atmosphere at different levels as a result of the selective absorption of ultraviolet solar radiation by oxygen and ozone in the upper atmosphere. Explained also is how the atmospheric "greenhouse effect" is created by the selective absorption and re-emission of certain infrared terrestrial wavelengths by (a) water vapor, (b) carbon dioxide, and (c) ozone. Audience: high school, college. Purchase 16mm for \$240 or Super 8mm for \$190 from Universal Educational and Visual Arts, 221 Park Ave. S., New York, N.Y. 10003.

TRANSPORTATION AROUND THE WORLD. 16mm, color or b&w, sound, 11 min. Demonstrates the hows and whys of different methods used throughout the world to move people and things. Scenes show that geography and technical knowledge are important factors in determining transportation. Shows varieties of land transportation, including animals, machines and motor vehicles. Also gives examples of water and air transportation. Audience: primary, intermediate grades. Purchase color \$130 or b&w \$65 from Coronet Films, 65 E. South Water Street, Chicago, Ill. 60601.

LETTERS

to the editor

Consciousness

Dr. Sperry of the California Institute of Technology is a little late with his theory of consciousness in the brain (SN: 5/17, p. 481). At the end of the 19th century Conwy Lloyd Morgan, a former chancellor of Bristol University—a biologist, psychologist and philosopher—postulated that consciousness and brain processes of a particular kind are one and the same thing, and that the emergence of consciousness is a direct result of the psycho-physical nature of all substance. Furthermore, I personally have been teaching this theory of the mind (with some slight modification) for 12 years.

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Isolation

I should like to see the experiment in "Neurophysiology: Brain affected by environment" (SN: 5/3, p. 428) done a little differently—gerbils in isolation offered varied stimulation and groups of 12 without stimulation. In other words, is it the society of their fellows (subjective environment) or the challenge of things to do (objective environment) which produces a higher rate of brain activity?

The article gives the impression that isolation is an impoverished condition, which is not necessarily true if life is full of interesting experiences—mental, not social.

The findings might reveal that our emphasis on social contact for mental health is faulty.

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Superstitious?

In our most compulsive desire to make new friends we had decided to **give away** a whole truckload of **MACK THE KNIFE** . . . masterpiece of Vulcan's art. At home in kitchen, glove compartment or on a camping trip, self-appointed experts have nominated versatile **MACK** "Knife Of The Year." But, alas, our generous impulse was thwarted by one of our superstitious super-numeraries who officiously insisted that giving away a knife is very bad luck and in order not to kill an incipient friendship (and to ward off the "evil eye") we should assess a token charge! Reluctantly giving in to this troglodyte we agreed to charge **\$1 for "MACK,"** (although he lists for \$4.95 in our catalog). AND—that isn't all. For that same \$1 we'll also send your our **COLOR-FULL CATALOG** (which many call "America's Most Exciting Wish Book") AND—A **\$2 GIFT CERTIFICATE** (good for your first purchase). If you think this is an unusual offer you're right. Better take advantage of it before our accountant returns from vacation and reads us the Riot Act!

Yes, I simply can't resist your amazing offer. Here is my \$1 bill. (No checks please, they drive our bankers mad!) Rush me **"MACK," MULTI-PURPOSE KNIFE** (slicer, serrated slicer, beer can opener and from-the-jar pickle snatcher), **COLOR-FULL CATALOG** AND **\$2 GIFT CERTIFICATE.**

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