

films OF THE WEEK

dance, even an overabundance, of food. There is also an abundance of means: land, oceans, hydrofarms, seed, fertilizer, other agricultural and aquacultural chemicals, laborers, techniques, machinery, power, and many other ingredients for producing many times more food than is needed to satisfy abundantly the needs of billions more humans, if we allow them to enter into our world.

Considering the latest techniques for producing, preserving and distributing the essentials of life, there is no doubt whatsoever that the earth presently is able to support over 20 billion humans.

*The Rev. Guy J. Cyr, S.M.
Marist Fathers' Novitiate
Rhinebeck, N.Y.*

Thanks from Temple

Sir:

I was delighted by the article and the photography for the article "Psychiatry without doctors" (SN: 10/5, p. 345) and want to thank you and all of the people who worked on this for the excellent job that was done. I believe Patricia McBroom very much captured the concepts underlying our center and gave a very accurate portrayal of what we are trying to do in a number of areas.

*Elmert A. Gardner, M.D., Director,
Community Mental Health Center,
Temple University
Philadelphia, Pa.*

Mental health

Sir:

I just saw your issue of October 5th, 1968 which contains a story about the Day Program at the Temple University (See p. 462)

ACEL REVISITED: AUTOMATED CIRCUIT CARD ETCHING LAYOUT. 16mm, color, sound, 20 min. ACEL is a computer program which designs printed circuit boards and produces the drawings for their construction with the input encoded from an engineer's schematic diagram by a clerk without knowledge of electronics. Outputs are a schematic, parts list, printed circuit negative, assembly drawing, and a hole drilling list. Describes the operational aspects of the system as well as the 7 usual algorithms used to accomplish the design feat. Audience: professional. Purchase \$58.94 from Calvin Productions, 1105 Truman Rd., Kansas City, Mo. 64106, or free loan from AEC field libraries or Audio-Visual Branch, Division of Public Information, Atomic Energy Commission, Washington, D. C. 20545. (Updated version of 1965 film.)

CRYSTAL GROWTH IN GELS. 16mm, b&w kinescope, sound, 30 min. Discussion of recent work in the growth of crystals in gels. Describes the method, shows some of the products, and discusses potential applications to the production of unusual materials in highly ordered single crystal form. Experiments in gels also throw new light on corpuscular phenomena. Audience: industry, professional groups, teachers. Purchase \$100 or rental \$6.10 from Audio Visual Services, The Pennsylvania State University, University Park, Pa. 16802 (inquire for price of video tape version).

DRUGS AGAINST CANCER: THE BATTLE IN THE CELL. 16-mm color, sound, 29 min. An account of the methods used for drugs which will kill cancer cells within the body without harming normal cells. Explains the difference between normal cells and cancer cells. Discusses the deficiencies of presently available drugs, and demonstrates the methods used to ascertain the effects of individual drugs on both normal and cancer cells. Audience: college, adult. Purchase \$240 or rental \$8.65 from NET Film Service, Indiana University, Audio-Visual Center, Bloomington, Ind. 47401.

HOT TO HANDLE: THE TWO FACES OF RADIATION. 16mm, b&w, sound, 60 min. Film seeks the answers to four questions: What is radiation and how can it benefit man? If it is misused, what are the dangers to animal and plant life? How do we dispose of the intensely radioactive waste from our nuclear reactor? Do living creatures have any defense against radiation? Filmed on location at M. I. T., the A. E. C., and centers around the world. Audience: general. Purchase \$250 or rental \$25 from Peter M. Robeck and Co., 230 Park Ave., New York, N. Y. 10017.

LIFE STORY OF A SOCIAL INSECT: THE ANT. 16mm, color or b&w, sound, 11 min. Observes the structure of an ant colony and the tasks performed by different types of ants. Audience: intermediate grades. Purchase color \$135 or b&w \$70 from Encyclopedia Britannica Educational Corporation, 425 North Michigan Ave., Chicago, Ill. 60611.

STOP RUINING AMERICA'S PAST. 16mm, b&w, sound, 21 min. The story of the campaign to save archaeological sites in Illinois from destruction by urban and industrial expansion. One local industry has supported this work. Audience: general. Purchase \$125 or rental \$4.65 from NET Film Service, Indiana University, Audio-Visual Center, Bloomington, Ind. 47201.

SCIENCE NEWS

Copyright © 1968 by Science Service, Inc. 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.

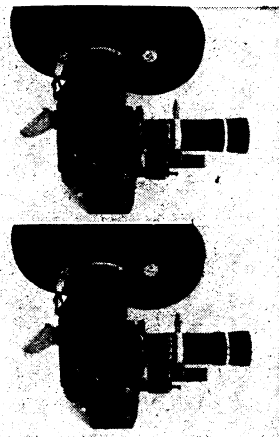
ADVERTISING

L. D. Young, Advertising Director, SCIENCE NEWS, 1719 N St., N.W., Washington, D. C. 20036. Phone 202-667-8945.

Advertising Representatives: SCRIPPS-HOWARD NEWSPAPERS. General Advertising Department: 200 Park Ave., New York, N.Y., TN 7-5000; 400 N. Michigan Ave., Chicago, Ill., SU 7-3355; Suite 211, Braniff Building, Dallas, Tex., PL 7-3847; 908 E. Northland Tower, Southfield, Mich., 444-4595; 6363 Wilshire Blvd., Los Angeles, Calif., OL 3-0026; Room 1522, Philadelphia National Bank Building, Philadelphia, Pa., LO 3-6275; 100 California St., San Francisco, Calif., 989-5570; Suite 417, 3384 Peachtree Rd., N.E., Atlanta, Ga. 261-1571.

All you need to make movies is a 16mm Bolex, a lens, and talent.

All you need to make movies is a 16mm Bolex, a lens, and talent.



But Bolex is a system as well as a camera. It can be outfitted for your specific professional needs. Begin with the H-16 Rex-5 body, which has reflex viewing, a magazine saddle, filter slot, and variable shutter speed.

Add the lightweight 400 foot magazine, constant speed motor, take-up motor,

rechargeable power pack, and you are ready to shoot 12 minutes of uninterrupted synchronous sound footage. Choose from a wide range of optically perfect lenses, from fast 10mm wide angle to 150mm macro-tele. From zooms with electric exposure control built in to a prime lens as fast as f/0.95.

The Bolex H-16 Rex-5 has automatic threading, variable speeds from 12 to 64 frames per second, single frame control. It can be hand-held or mounted on a tripod. Fully outfitted, the camera weighs less than 13 pounds.

Bolex cameras, made with Swiss watch making precision, have proven

their accuracy over many years time, under the most adverse conditions, and at tropic and arctic temperatures. This is the Bolex H-16 Rex-5, The Professional.

For a copy of Bolex magazine's special issue on communications, write Paillard Incorporated, 1900 Lower Road, Linden, New Jersey 07036.

BOLEX
Bolex H-16 Rex 5,
The Professional.