

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.

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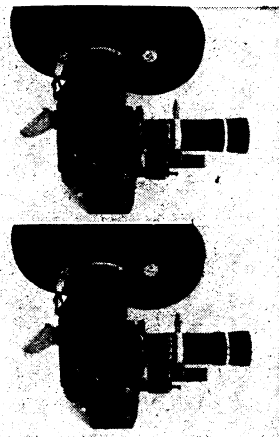
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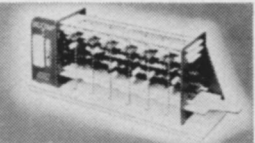
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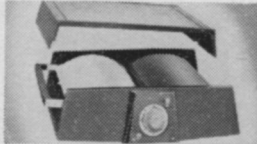
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Letters from p. 461

Community Mental Health Center. Naturally it interested me very much; I am the director of the program.

I would like to congratulate you on an excellent job of reporting. Ours is not the easiest program to comprehend, and it is difficult for me to understand how your reporter was so well able to grasp it in so short a time.

Frederick B. Glaser, M.D.
Bala Cynwyd, Pa.

Dynamic scattering

Sir:

The article "Chameleon Compounds" (SN: 9/28, p. 321) is well written and comprehensive. The Liquid Crystal Conference was not the first opportunity for scientists to learn of the details of our recent work on dynamic scattering. This material was presented at the Solid State Device Research Conference (Boulder, Colo.) in June. You did state that the substance anisylidene para-aminophenylacetate is nematic from below freezing to the boiling point of water. While this material does exhibit dynamic scattering, its liquid crystalline range is 83 degrees C. to 110 degrees C. The specific material which we used to obtain dynamic scattering from below freezing to above 100 degrees C. is proprietary.

George H. Heilmeyer
RCA Laboratories
David Sarnoff Research Center
Princeton, N.J.

No landlubber he

Sir:

Engineer Charles T. Hoard has lumped Juan Ponce de León, first governor of Puerto Rico and Florida, together with Benjamin Franklin, first president of the Commonwealth of Pennsylvania, as a landlubber (SN: 9/7, p. 247). Ponce de León was a land and sea captain, who besides discovering and plotting the Gulf Stream, which should in historic justice be named after him, was the discoverer not only of Florida but of México in San Juan de Ulúa, near Vera Cruz in 1516, one year before the still officially recognized so-called discovery by Francisco Hernández de Córdoba in 1517. Ample documentary proof in "Nuevas Fuentes para la Historia de Puerto Rico" by Aurelio Tió, Barcelona, 1961.

Aurelio Tió
Fellow ASCE
Santurce, Puerto Rico

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