

films OF THE WEEK

THE ATOMIC SEARCH. 16mm, color, sound, 29 min. The story of some of the achievements in the peaceful use of nuclear energy during 1969: nuclear chemistry to investigate the composition of lunar rocks to help determine the age of the moon; a container of radioactive plutonium to provide heat to protect the seismometer on the moon during cold lunar nights; an isotopic nuclear generator providing electrical power on weather satellites orbiting in space; the first in a series of tests with dogs of a nuclear-fueled cardiac pacemaker, a device to assist a damaged heart; and development of new highly sensitive diagnostic tools to identify and separate the constituents in body fluids in order to predict illness or disease. Audience: general.

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DDT—KNOWING IT SURVIVES US. 16mm, color, sound, 30 min. A documentary about the pollution of our environment with the chlorinated hydrocarbon pesticides, the most widely used of which is DDT. Scientists from several fields explain why DDT is a dangerous pollutant, and they describe the effects it is having on wildlife, the environment in general, and on man. The California pelican is the focal point for the story. Like several other birds in this country, it is being affected by DDT contamination in its food. It is now extinct in Louisiana where it is the state bird, and suffered essentially total reproductive failure in California in 1969. Audience: high school, college, adult.

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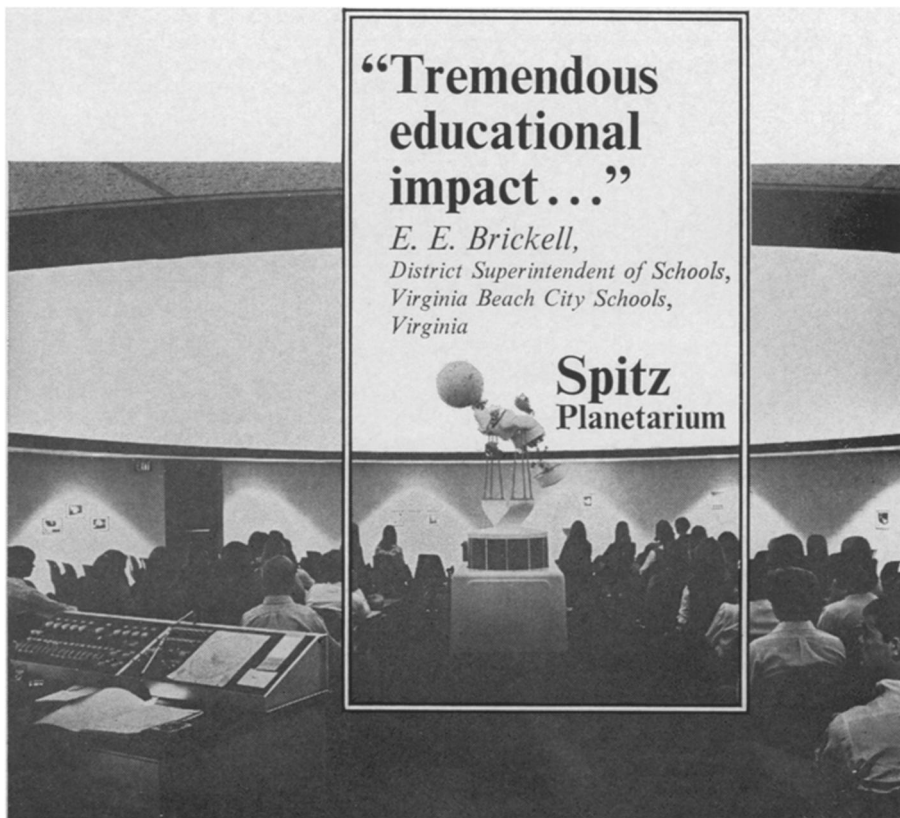
THE INVERTEBRATES. Super-8mm, color, silent. Eighteen film loops between 3 min., 40 min. and 4 min. in length. Topics include: Insects, Monarch Butterfly, Arachnids, Black Widow Spider, Crustaceans, Daphnia, Millipedes and Centipedes, Echinoderms, Asterias, Coelenterates, Hydra, Roundworms, An Illoricate Rotifer, Peripatus, Segmented Worms, Mollusks, Flatworms and Fresh-Water Sponge. Audience: biology students.

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WE STILL NEED ARITHMETIC. 16mm, b&w, sound, 20 min. In modern mathematics, arithmetic is not being pushed out; on the contrary, it is being put into its proper mathematical setting. The modern approach to the subject emphasizes pattern and structure; the approach in the classroom gives children both the freedom and confidence to think for themselves, to discover mathematical laws and so understand the basic structures underlying the techniques of the subject. Children are given experience with various materials essential in the early states of the development of a mathematic concept. Some in this film are working with Dienes Blocks and others with Napier Rods. Audience: teachers, parents. (Part of the five film series on the Nuffield Mathematics Teaching Project in England.)

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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 Reader Service Card.



PLAZA JUNIOR HIGH SCHOOL, OLIVER AND SMITH, ARCHITECTS

“Tremendous educational impact...”

*E. E. Brickell,
District Superintendent of Schools,
Virginia Beach City Schools,
Virginia*

**Spitz
Planetarium**

Opened and dedicated within days of man's first steps on the moon, the Plaza Junior High School planetarium has become the “interest generator” for the school's entire science program. “Of course, we have created substantial impetus to space study,” says Superintendent Brickell, “but we have occasioned a good deal more interest in related subjects . . . physics, chemistry, geology. There is total approbation for our program on the part of the students, the faculty and the community. We feel its educational impact has been tremendous!”

A key man in generating this educational impact, Herb Teusher, the planetarium director, reports,

“We get them to *like* science from the earliest grades . . . and, for the first time, we compete successfully with color T.V.'s and stereos at home. The results are immediate . . . we see comprehension dawning on the students' faces.”

With results like these, it is not surprising that growing numbers of school administrators throughout the country are planning and installing such facilities. Send for complete information. You'll find it easy to understand why Superintendent Brickell told us, “If for any reason we could not continue our planetarium program . . . we would have a sense of real loss.”

Spitz
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