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New Films

NUCLEAR SPECTRUM. 16mm, color, sound, 28 min. A visit to laboratories of scientists directly involved in nuclear research and development and its many spinoff applications.
The scientists include: Norman Anderson of AEC's Oak Ridge National Laboratory (ultracentrifuges in molecular-biological studies of the human cell), George Reynolds of Princeton University (image intensification), Harold Furth, Princeton University (controlled fusion research), Fred Goulding of the AEC's Lawrence Berkeley Laboratory (semiconductor research), Powell Richards of the AEC's Brookhaven National Laboratory (technetium-99m as a radioactive tracer in nuclear medicine), David Kuhl of the University of Pennsylvania (clinical brain scanning) and Robert Jaske and William Templeton of the Pacific Northwest Laboratory (studies of waste heat in aquatic biology). Audiences general. Free loan information from USAEC Film Library—TIC, P. O. Box 62, Oak Ridge, Tenn. 37830 and purchase information from Sales Branch, National Audiovisual Center, Dept. SN, Washington, D.C. 20409.

MARS-THE SEARCH BEGINS. 16mm, color, sound, 28½ min. Reviews new knowledge gained about the planet from more than ,000 pictures returned to earth from the Mariner 9 spacecraft. Particular attention is paid to the possibility of finding life forms. Three-dimensional views of models of Mars' surface features as they are now known introduce a realism in the film, as if the viewer were walking on the Martian surface. Photography of the surface models simulates a variety of sun angles, representing views from various heights, with shadows emphasizing the rugged character of the massive canyons and other elements in the Martian landscape. A considerable portion of the film is given to portrayals of various types of organisms which could exist on Mars, with models picturing botanists' and zoologists' conceptions of how they might live and propagate. Audience: general. Free loan information from Code FAM, Headquarters, National Aeronautics and Space Administration, Dept. SN, Washington, D.C.

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