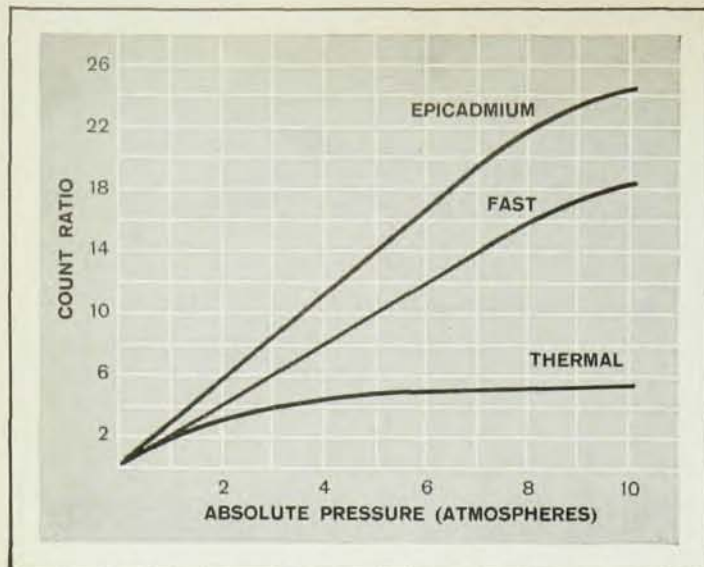




Compare TEXTLIUM to other detector tubes

The high efficiency of the TEXTLIUM detector may be easily seen in this comparison with a Boron Trifluoride detector. TEXTLIUM detectors with filling pressures ranging from one to ten atmospheres were matched with a 65 cm. BF_3 (enriched 96% B^{10}) detector. The TEXTLIUM detector was up to five times more sensitive in the thermal region, up to 18 times more sensitive in the fast region, and up to 24 times more sensitive in the epicadmium region.

The greater sensitivity of the TEXTLIUM detector is due to the unique properties of TEXTLIUM filling gas—a blend of specially purified Helium-3 and a quenching additive. These detectors may be used in all types of neutron detection—general survey monitoring, moisture measurement, or oil-well logging. They are recommended for space research because of their high efficiency in low-temperature environments.

For detailed specifications, write for new 12-page TEXTLIUM brochure.

NUC:IN-2-269

texas nuclear
CORPORATION

Subsidiary of Nuclear-Chicago Corporation

373 Howard Avenue, Des Plaines, Illinois, U.S.A.

University), Konrad B. Krauskopf (Stanford University), William C. Krumbein (Northwestern University), Grover E. Murray (Louisiana State University), Samuel P. Ellison, Jr. (University of Texas), Herbert E. Hawkes, Jr. (University of California at Berkeley), John Rodgers (Yale University), and John T. Rouse (Mobil Oil Company).

Officers of the American Society for Metals are Robert J. Raudebaugh (International Nickel Company), *president*; Merrill A. Scheil (A. L. Smith Company), *vice president*; Stewart G. Fletcher (Larrobe Steel Company), *secretary*; Joseph G. Jackson (patent lawyer), *treasurer*; and Allen Ray Putnam (ASM), *managing director*. ASM trustees include Carl E. Swartz (consultant), John A. Fellows (Mallinckrodt Chemical Works), John W. Sweet (The Boeing Company), Robert F. Thomson (General Motors Corporation), and A. R. Troiano (Case Institute of Technology).

The officers of the Physics Club of the Lehigh Valley are Raymond B. Sawyer (Lehigh University), *president*; Walter Glass (Cedar Crest College), *vice president*; and D. Gordon Brubaker (The New Jersey Zinc Company), *secretary-treasurer*.

AIP Student Sections

Cash awards amounting to a total of more than \$1500 have been received by six Student Sections of the American Institute of Physics in the first competition for grants in support of specific local activities of Student Sections. The awards, made possible by the Bendix Corporation, were given to AIP Student Sections at the following schools:

University of Richmond (\$155 for an investigation of the radiation emitted in the decay of Cl^{36})

St. Procopius College (\$80 for a study of the Pound-Knight system for detecting nuclear magnetic resonances)

Providence College (\$350 for studies with a radio-frequency plasma torch)

Fairleigh Dickinson University (\$400 for the development of new, efficient transmission filters for the far infrared wavelength region)

St. Lawrence University (\$350 for determination of radio-activity in fallout)

University of Maryland (\$250 for a proposal to build a radio telescope)

In addition to the above awards, honorable mention was given to Sections at Hartwick College, Iowa State University, Johns Hopkins University, and Manchester College.

Sigma Pi Sigma

A new chapter of Sigma Pi Sigma has been installed at Rensselaer Polytechnic Institute in Troy, N. Y., making it the 109th to be chartered by the national physics honor society. Walter Eppenstein, associate professor of physics at RPI, will serve as the faculty advisor to the chapter, which has a total of 43 charter members.

PHYSICS TODAY