

by V. L. Ginzburg; observations of supernovae by E. M. Burbidge; observations of Q. S. S. and radiogalaxies (lecturer to be announced); theories of supernovae, Q. S. S., and radiogalaxies by G. R. Burbidge; and cosmology by E. L. Schücking. The directors of study will be E. Schatzman and P. Veron. Both French and English will be used in class.

A solid background in quantum mechanics and statistical mechanics is a prerequisite and admission will be limited to 35 participants. It is hoped that a number of National Science Foundation travel grants will be available for United States citizens. Further information and application blanks can be obtained from the secretariat of the school, Ecole d'Été de Physique Théorique, 46 Avenue Felix Viallet, Grenoble (Isère), France, or from Professor Cécile DeWitt, Department of Physics, University of North Carolina, Chapel Hill, N. C. Completed blanks must be received in Grenoble no later than March 1.

New lab at Penn State

A Space Sciences and Engineering Laboratory for graduate education and research has been established at Pennsylvania State University with a \$600 000 grant from the National Aeronautics and Space Administration. The new lab will also serve as a collecting point for information on space research at Penn State and will provide scientists with administrative and technical help. Heading the facility is Paul Ebaugh, assistant dean for research in the College of Engineering. Technical and scientific direction will come from an interdisciplinary committee of University scientists and engineers.

Fellowships

The Joint Institute for Laboratory Astrophysics is offering some ten visiting fellowships for 1966-67. Awards are based on applicants' fields of scientific interest and achievements with no citizenship or national-origin restriction. Recipients may engage in research of their own choosing in laboratory astrophysics, and there are

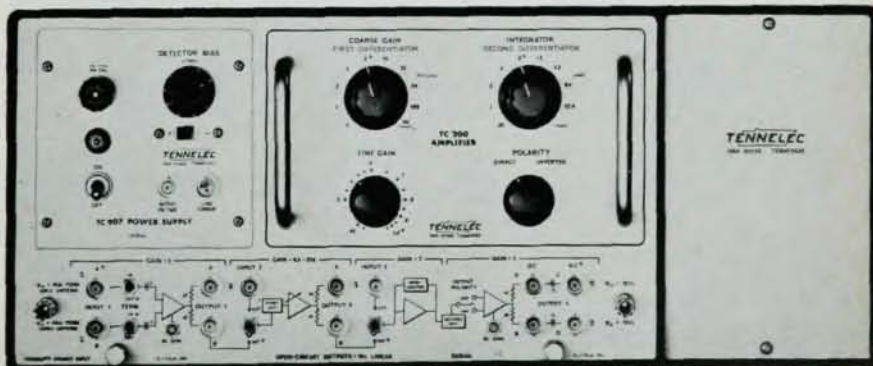
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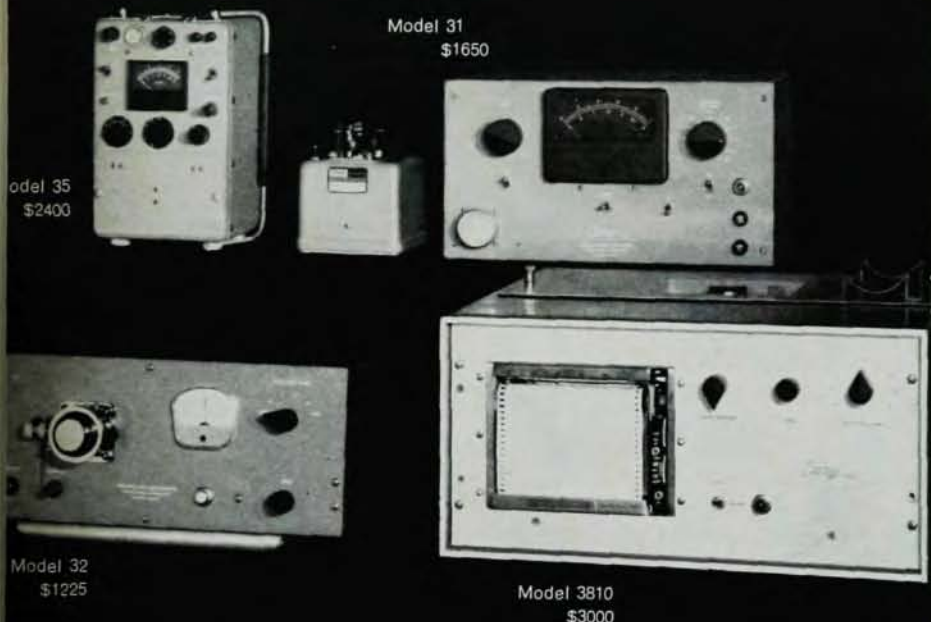
This series is intended to explain the superiority of the TC 200 as a nuclear pulse amplifier ■ A complete technical description of this Fairstein-designed instrument is available on request ■

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no set duties or obligations. Visiting fellows have faculty appointments at the University of Colorado. Stipends normally equal recipients' academic salaries adjusted to a twelve-month basis. For those from industry or abroad stipends will be matched to salaries offered for equivalent academic positions in the United States. Besides the stipend, round-trip transportation costs will be provided for recipients and their families, and an additional \$400 will be available for professional travel in the US. Closing date for applications is January 15; awards will be announced February 15.

Application forms and further information can be obtained from The Secretary, Visiting Scientists Program, Joint Institute For Laboratory Astrophysics, University of Colorado, Boulder, Colo. 80304.

New buildings

A five-story concrete and glass laboratory, known as the Vannevar Bush Building, has been opened at Massachusetts Institute of Technology as part of its interdepartmental Center for Materials Science and Engineering. Costing \$6 million, the new building houses facilities for preparation, purification, and evaluation of metals, insulators, semiconductors, and composite materials such as ceramics. A central analytical lab provides chemical evaluation methods, while physical methods include x-ray analysis, optical and electron microscopy, and electron microprobe analysis. Research will cover basic physics and chemistry of solids, materials of interest in electronics and optics, and properties of materials at high temperatures and pressures. High-field superconductors and laser materials are also included.

As the first step in developing MIT's north campus area, the new structure will be followed by projected Centers for Advanced Engineering Study and for Space Research.

Cornell University's \$7.3-million Clark Hall of Science was dedicated on October 20. About half of its 240 000 square feet of space will house the Physics Department's Lab-