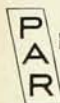


WORLD'S SMALLEST DIGITAL VOLT- METER



with all of these features:

- automatic ranging
 - automatic polarity
 - 10 meg input impedance
 - >100 db common mode rejection
 - truly floating differential input
 - 0.1% absolute accuracy
 - 1 millivolt sensitivity
 - solid state / reed relay design
 - rugged printed circuit construction
 - no stepping switches
 - price: \$995.00
 - measures only 6½" wide, 5" high, 8" deep. Weighs 9 lbs.
- Model CS-3.1



Write for Bulletin No. 107
PRINCETON APPLIED RESEARCH CORP.
Box 565, Princeton, New Jersey
Tel: 799-1222, area code 609

several solid-state experimental facilities at MIT. Limited funds will be available for the support of participants and their families. Further information and application blanks can be obtained from Professor Roy Kappelow, Room 16-502, Massachusetts Institute of Technology, Cambridge 39, Mass. The deadline for receipt of applications is April 15.

An international summer institute of molecular biophysics, sponsored jointly by NATO and the US Office of Naval Research, will be held at Squaw Valley, Calif., from August 17 to August 28. The topics will include the structure, biochemical role, and biophysical properties of nucleic acids, proteins, and enzymes; the mechanism of energy and electron migration; excited states of biomolecules and biomacromolecules and the interpretation of their spectra; excitons; magnetic properties of macromolecules containing transition metal ions; intermolecular interactions; hydrogen bonding and other properties involving protons; and application of quantum theories to the structure and function of biomolecules. A number of grants for living or traveling expenses of the participants are available. Further information can be obtained from Prof. B. Pullman, Director of the Institute, at Institut de Biologie Physico-Chimique, 13, rue Pierre Curie, Paris 5, France.

The Third Summer Institute on Applied Mechanics and Materials Science will be held at The Pennsylvania State University. Seven one-week courses will cover the areas of viscoelasticity, wave propagation, crystal imperfections by electron microscopy, continuum physics, dislocations, vibrations and vibration damping, and shock analysis. Further information can be obtained by writing to Joseph Marin, Professor and Head, Department of Engineering Mechanics, The Pennsylvania State University, University Park, Pa. 16802.

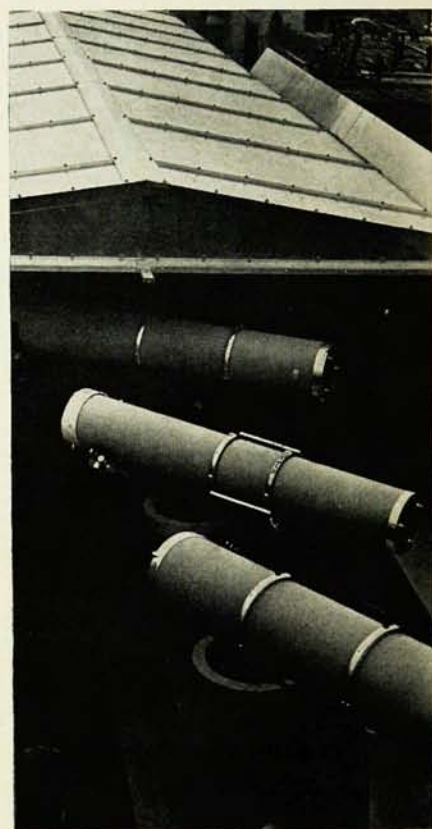
Indiana Graduate Program

A new graduate program in chemical physics has been inaugurated at Indiana University. Under the program, graduate students will earn a PhD de-

gree in chemical physics either by majoring in physical chemistry with minors in theoretical physics and mathematics, or by majoring in physics with minors in physical chemistry and mathematics. The program is administered by an interdepartmental committee, and research opportunities are available in the areas of molecular quantum mechanics, molecular structure and spectroscopy, nuclear physics and chemistry, scattering theory, solid-state physics and chemistry, and chemical kinetics. Financial assistance in the form of teaching and research assistantships as well as graduate school fellowships, NDEA fellowships, and NASA traineeships are available to qualified students. Queries concerning application blanks and further information should be sent in care of Professor Shull, Chemistry Department, Indiana University, Bloomington, Ind.

Dickinson Observatory

A multiple-telescope observatory, designed primarily for teaching and for public viewing, has been opened at



Dickinson Observatory telescope, housed under an electrically driven sliding roof.

Dickinson College in Carlisle, Pa. Intended as a supplement to the college's Bonisteel Planetarium, erected in 1958, the observatory was planned and constructed under the supervision of Henry L. Yeagley, Priestley Professor of Natural Philosophy at Dickinson.

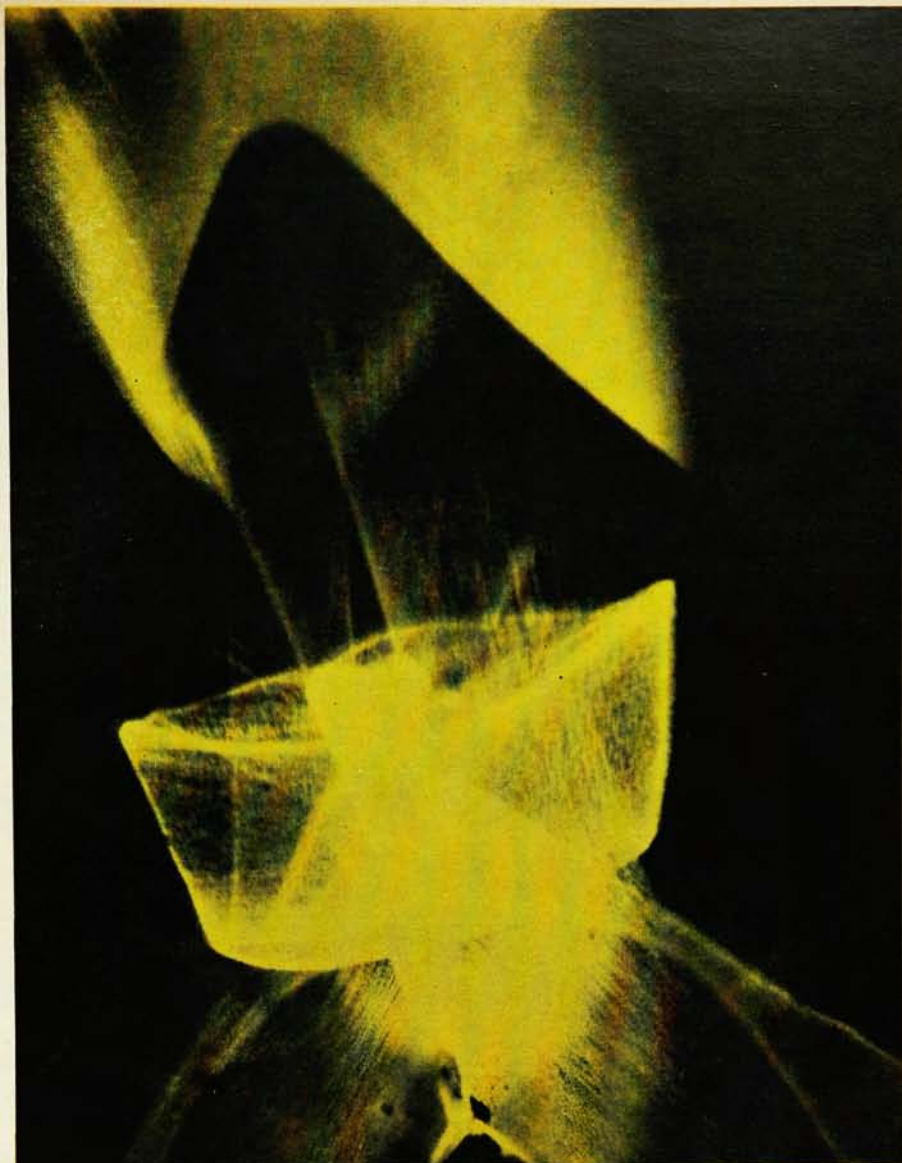
Its equipment includes three eight-inch and three ten-inch reflecting telescopes as well as a Questar navigational and time-determining device. The telescopes, which are capable of being pointed in any direction, have been set in a row on permanent, individual piers. Electric clock drives, timed to the earth's rotation, keep any stellar object in view while other controls position the instruments in right ascension and declination. The observatory is housed in a box-like structure 12 × 35 feet with six-foot sidewalls and an electrically-driven sliding roof. Directly below the observatory proper is a room equipped with celestial charts, a rotating model of the solar system, and slides of space photographs.

In addition to college instruction, the observatory will be used for classes and demonstrations for school children and adult groups; it will also be made available to other colleges, and for in-service training of school teachers. A corps of volunteers is to be trained in basic astronomy and use of the telescopes, who will man the facility during the four nights of each week that it is open to the public.

Applied Math at Cornell

Cornell University's Board of Trustees has voted to establish a new Center for Applied Mathematics at its Ithaca campus. At the same time, the University's Graduate School has announced the designation of Applied Mathematics as a field of major and minor study for graduate students.

Faculty members of the Center, and of the new graduate department, will initially number about twenty, and will be drawn from Cornell's Departments of Mathematics, Physics, Engineering and Chemistry. Heading the new Center will be William R. Sears, J. L. Given Professor of Engineering and director of the Graduate School of Aerospace Engineering.



Photographic interpretation by William Thonson

Pulsed reactors providing enormous bursts of neutrons useful in studying transient radiation phenomena are under constant development by Los Alamos scientists. These unusual research tools are outgrowths of pioneer work at Los Alamos, the home of the world's first critical assembly group.

Qualified applicants interested in research at Los Alamos are invited to send resumes to:
Director of Personnel,
Division 64-39

los alamos
scientific laboratory
OF THE UNIVERSITY OF CALIFORNIA
LOS ALAMOS, NEW MEXICO

All qualified applicants will receive consideration for employment without regard to race, creed, color or national origin. U. S. citizenship required.