



KAMAN of COLORADO
has
CAREER OPPORTUNITIES
for

THEORETICAL PHYSICISTS

(PHD or Equivalent)

NUCLEAR PHYSICS

**NUCLEAR
WEAPONS EFFECTS**

**SHOCK WAVE
PHENOMENA**

**WEAPONS
SYSTEMS ANALYSIS**

ENTRY PHYSICS

month stipends amounting to \$2400 are allowed to schools for first-year trainees, \$2600 for those on the intermediate level, and \$2800 for the terminal level, with a dependency allowance of \$500 per dependent. Cost-of-education allowances to the school, amounting to \$2500 a year for each trainee, are also provided. According to a projected distribution of traineeships in the physical sciences for the coming year, a total of 1050 are expected to be granted for students in their first year, 165 for students at an intermediate level, and 20 for those at their final level.

Yeshiva To Expand

Yeshiva University in New York City has announced plans for a \$15 million science development program. Under the program, a 15-story structure will be built to house the University's Belfer Graduate School of Science, including both teaching and research facilities. In addition, existing programs will be expanded and new programs introduced in the fields of biophysics, astrophysics, computation, and chemistry.

High Schools Honored

The American Association of Physics Teachers has announced the selection of ten secondary schools to receive special certificates for their outstanding physics programs. Now in its sixth year, the award program is administered by the AAPT High School Awards Committee, headed by Professor Robert L. Sells of the State University of New York at Geneseo, N.Y. Presentation of the certificates will in each case be made by local AAPT-AIP regional counselors in physics, who work closely with secondary schools in each state to improve the quality of physics teaching.

The high schools chosen are Palo Alto Senior High School, Palo Alto, Calif.; East High School, Denver, Colo.; Powell High School, Powell, Wyo.; Alamo Heights High School, San Antonio, Tex.; St. Louis Country Day School, St. Louis, Mo.; Shaker Heights High School, Shaker Heights, Ohio; Thomas Jefferson Senior High School, Tampa, Fla.;

Myers Park High School, Charlotte, N.C.; New Brunswick High School, New Brunswick, N. J., and Classical High School, Providence, R. I.

Space Science

This fall, the University of Miami will set up a School of Environmental and Planetary Sciences, providing interdisciplinary programs leading to both master's and doctoral degrees. The School will consist of four co-operating divisions—new Institutes of Atmospheric Science, of Space Physics, and of Planetary Bioscience which will join Miami's Institute of Marine Science, established in 1942. Maximum enrollment is expected to be about 400, with some 100 graduate students in each institute. Named as dean of the complex is S. Fred Singer, who is resigning from his post as director of the National Weather Satellite Center in Washington, D. C.

Departmental Programs

An interdisciplinary program leading to a doctoral degree in plasma research is being offered by Columbia University. Course and laboratory work in the scientific and engineering aspects of plasma research in the Departments of Physics, Electrical and Mechanical Engineering, and Applied Mathematics will be provided under the program. Details can be obtained from R. A. Gross, School of Engineering and Applied Science, Columbia University, New York, N. Y. 10027.

A postgraduate course in solid-state theory leading to a Master of Science degree will be held at the University of Wales during the 1964-65 academic year. The syllabus includes quantum-mechanical scattering theory, group theory and classification of electronic states in crystals, symmetry and crystallographic nomenclature, x-ray diffraction theory for imperfect structures, quantum statistics, *p-n* junctions, fluctuation-dissipation theory, lattice vibrations, phonons, band theory, and other topics. Information and application forms can be obtained from Dr. D. J. Morgan, Department of Applied Mathematics, University College, Cardiff, Wales.

Kaman Nuclear

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