seriously as part of its mission the service to industry in the urban community. As a result, the majority of its graduate students had always been part-time students who have held jobs in industry during the day. The department had always wished to change this image and become a graduate department with a majority of full-time students. To accomplish this objective required the building of a stronger and more visible department.

An early attempt at administrative consolidation occurred in 1961 when the NYU administration created an all-university department of physics whose head had jurisdiction over both campuses, uptown and downtown. A committee of deans was formed to assist this head in governing the all-university department. Although the problem of the physical separation remained, physics flourished under this set up. In 1964, however, because of the difficulty of managing the all-university departments, the university was forced to undergo some major administrative changes wherein the department head lost some of his budgetary control. As a result the departments began to drift apart again.

In 1965, the physics department proposed to the university administration that its graduate program be located in one center. After a period of considerable discussion, the university, in its drive for excellence, agreed to the consolidation of the graduate departments with the major thrust for growth centering at Washington Square. To create first-class research centers at both campuses seemed an impossible task in view of the costs and total available manpower pool.

So beginning this year some senior members of the uptown staff are spending more of their time downtown. Some graduate courses normally given at University Heights are now given at Washington Square. The entire transfer of the major portion of the graduate activity will obviously have to take place gradually. The move is expected to be completed in about three years, at which time a new $6 million building will be ready for department occupancy. By that time the department will have initiated new programs in astrophysics and experimental particle physics and will have expanded its solid-state activity. It also has applied for NSF support for a master's degree program in physics for students who have majored in other fields of science or engineering. Currently there are 275 graduate students, two-fifths of whom are full time. The expectation is to reverse this ratio by building a stronger, more attractive department. NYU still intends to fulfill its function of being of service to the local industrial community, but it will concentrate its efforts for the fully committed student.

NSF Awards $0.55 million to Missouri at Rolla Department

A one-third increase in faculty, more research equipment and enlarged graduate student and postdoctoral support will follow as a result of a $550 000 grant to the Rolla physics department by the National Science Foundation. The grant comes under the NSF departmental science development program designed to help departments whose existing strength serves as a base for further improvement.

Headed by Harold Fuller, the 20 members of the Rolla physics faculty are responsible for about 150 majors and 55 graduate students. The department produces about 30 BS physics majors annually and has begun to confer PhD's under a program started in 1960. The NSF grant will also contribute toward a new seminar program of visiting lecturers, a faculty-development program of summer leave at advanced laboratories and a visiting-scientist program for furthering research on campus. Recently, the department dedicated a 16 000 square-foot addition to its physics building funded by a $500 000 state appropriation.

AIP Issues Retrieval Classification Report

The American Institute of Physics information and analysis retrieval division (IARD) has prepared a report on a preliminary, untested classification scheme for all of physics, together with examples of its use. In the system the author will supply the classification along with the document, and editors and reviewers could approve it in the same way they approve the remainder of the paper. This classification would then become an integral

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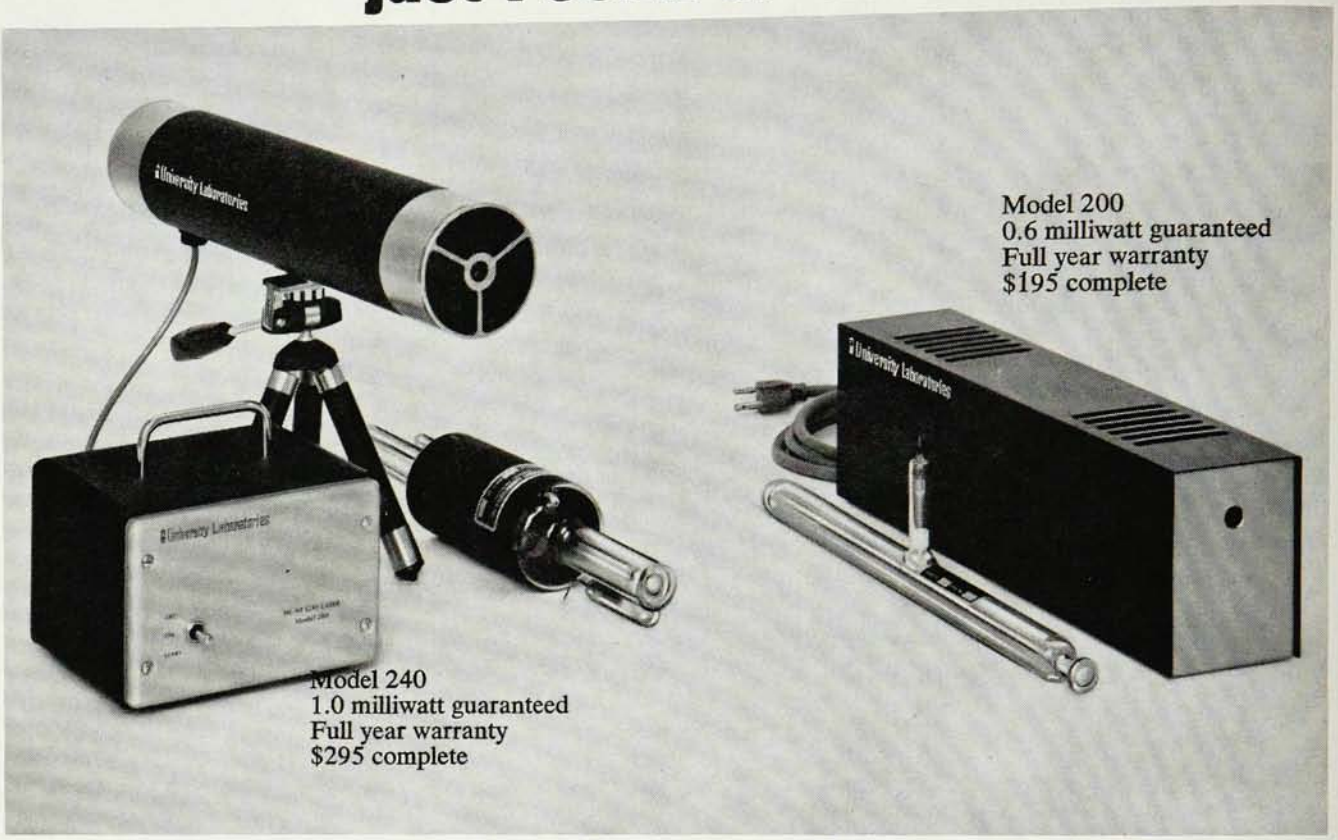

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part of the published document. To allow searchers to go from a specific category to the next most general one, the scheme would be hierarchical; to permit searching on different aspects of the subject and induce classifiers to record these aspects, the scheme would be faceted. The primary facets are of objects and methodology. The IARD staff expects that an authoritative 1968 classification scheme will be produced before the summer of 1968. They also intend to produce a handbook that would contain the classification scheme, rules for use and examples.

APS Council Issues New Rules, Forms Committee on Divisions

The American Physical Society council has approved new regulations concerning awards, membership, executive committee action and grants-in-aid. They include: (1) Candidates for the Tom W. Bonner prize in nuclear physics will no longer be limited by nationality or residence requirements. (2) Any members of the society who wish to enroll in a division can apply directly to the secretary-treasurer of the division or indicate such desire on the renewal invoice issued by the American Institute of Physics. (3) In the interim between meetings of the council, the executive committee may exercise all powers except those given expressly to the council by specific articles of the constitution. (4) Divisions and sections of the society must submit proposals for grants-in-aid to the council for approval before transmitting them to the prospective funding agency. Unanimous agreement of the president, executive secretary and treasurer acting for the council is necessary for such approval.

The council has also appointed a committee on the role of divisions and sections in society operations. The purpose of the group is to clarify and coördinate the separate activities of the divisions and sections with the overall activities of the society. Members of the committee are Robert G. Sachs, chairman, Walter Gordy, Morton Hamermesh, William W. Havens Jr, Harold E. Rorschach, J. Arol Simpson and William V. Smith. In addition the council approved monthly production of the *Bulletin of the American Physical Society*. The January issue becomes the first of twelve for 1968.

ACA Forms New Committee On Small-Angle Scattering

The American Crystallographic Association has organized an ad hoc committee on small-angle scattering, with Harry Brumberger of Syracuse University as chairman. The committee plans to hold small-angle scattering symposia and sessions at ACA meetings; it is also considering a collimation project and establishment of a program library as its most immediate goals.

FELLOWSHIPS, ASSOCIATESHIPS, MEMBERSHIPS

Guggenheim aerospace. Nine or more awards for graduate study in space flight, rocket propulsion, flight structures at Princeton University (Guggenheim Laboratories for Aerospace Propulsion Sciences), California Institute of Technology (Guggenheim Jet Propulsion Center), Columbia University (Guggenheim Institute of Flight Structures). Stipend: Up to $2400 plus tuition. Applicants: US or Canadian resident, under 30, bachelor's degree. Deadlines: Columbia (1 Feb.), Cal Tech (15 Feb.), Princeton (15 Jan.). Apply to: University you wish to attend.

NRC research associates. National Research Council postdoctoral research associates (PRA's) and resident research associates (RRA's) for advanced training at government laboratories. Stipends: PRA's $10 927–$12 000. RRA's, $12 000 and above. Applicants: PRA's, recent PhD's or equivalent experience; RRA's, recent and senior postdoctorates. Deadlines: PRA's, 10 Feb.; RRA's, varied. Apply to: Office of Scientific Personnel, Rm. 603, NRC, 2101 Constitution Ave., N.W., Washington, D.C. 20418.

Courant visiting memberships. Courant Institute of Mathematical Sciences memberships to PhD's for study and participation in advanced seminars. Stipend: Dependent on professional status. Deadline: 1 Feb. Apply to: Visiting Membership Committee, Courant Institute of Mathematical Sciences, New York University, 251 Mercer St., New York, N.Y. 10012.

In Brief

Facilities

4200 meters at the summit of Mauna Kea, the University of Hawaii is building an astronomical observatory to house a 2.24-meter telescope for planetary and stellar studies. A $3-million contract between NASA and Hawaii provided funds for the telescope and coudé spectrograph; the state of Hawaii contributed $4.5 million for observatory buildings and all-weather access. The facility will be completed in the second half of 1968.

The College of William and Mary will manage and operate the NASA space radiation effects laboratory, a center containing a 600-MeV synchrocyclotron, a 10-MeV electron linac and a 3-MeV dynamitron. Robert Siegel is laboratory director, and L. W. Swenson, H. Funsten and R. Welsh are the assistant directors.

Publications

This month, the British Institute of Physics and the Physical Society begins publishing its three major journals under one title, *Journal of Physics*. The existing journals, *Proceedings of the Physical Society, British Journal of Applied Physics* and *Journal of Scientific Instruments*, will form sections of the new *Journal of Physics* series. At the same time, IPPS is dividing its *Proceedings* into three sections: "General," "Atomic and Molecular Physics" and "Solid State Physics."

The Mobile Professors has been published by the American Council on Education. The book describes how the labor market operates, how teachers learn about and choose jobs, and what procedures have been developed to facilitate college-teaching placement. Order from ACE, 1785 Massachusetts Ave., N. W., Washington, D. C. 20036 (price $6.00). □