

tories for research at the graduate (doctoral) level is *1 March*. Proposals received prior to that date will be reviewed during the late spring and early summer. Disposition of approved proposals will be made during the late summer.

This program continues to require at least 50-percent participation by the institution, with funds derived from nonfederal sources. Proposals may be submitted for modernization or construction of research laboratories, including laboratory furnishings but not apparatus or equipment, in any field of the natural sciences. For the present, this program is restricted to those departments which have a current program leading to the Ph.D. degree. Support of facilities to be used primarily for instructional purposes will not be considered. It is suggested that, according to the discipline involved, preliminary inquiry be made to either the Division of Biological and Medical Sciences or the Division of Mathematical, Physical, and Engineering Sciences, National Science Foundation, Washington 25, D.C.

Space. As many as 18 Guggenheim fellowships for graduate study in 1960-61 in space flight, rockets, jet propulsion, and flight structures will be granted this spring. The graduate study will be done at the Daniel and Florence Guggenheim jet propulsion centers at Princeton University and California Institute of Technology and at the Daniel and Florence Guggenheim Institute of Flight Structures, at Columbia University. The fellowships provide tuition and a stipend ranging from \$1500 to \$2000, according to the stage of advancement of the student.

Fellowships are open to qualified science or engineering students who are residents of the United States or Canada, who have outstanding technical ability and qualities of leadership, and who intend to make a career of rocketry, jet propulsion, design of flight structures, or astronautics. Students graduating in physics, physical chemistry, and applied mathematics are especially invited to apply, as well as those graduating in chemical, mechanical, and aeronautical engineering.

Booklets and posters describing the fellowships have been widely distributed by the Daniel and Florence Guggenheim Foundation, 120 Broadway, New York 5, N.Y. Applicants must file applications and credentials with the university selected by *1 March*. Successful candidates will be notified by 1 April.

News Briefs

Antarctica. Sir Vivian Fuchs, who crossed Antarctica overland last year, recently sailed from Uruguay, as head of the official 1960 British summer expedition to the continent. He will lead 27 scientists in an attempt to restore the British base at Stonington Island and relieve the scientists at five other British winter stations on the 2000-mile circuit along the periphery of Antarctica. Members of the expedition hope to take many aerial photographs in order to compile a more detailed topographical map of the region than is now available.

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Columbia building. Columbia University has received \$5 million from William Black, president of the Chock Full O'Nuts Corporation, for the construction of an 18-story medical research building. One floor will be used for research projects of the Parkinson's Disease Foundation, which Black founded in 1957.

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Mental health. Dedication of the Mental Research Institute building of the University of Michigan will take place at 10 A.M. on 29 January. Among the speakers will be Ralph W. Tyler, director of the Center for Advanced Study in the Behavioral Sciences, and Detlev W. Bronk, president of the Rockefeller Institute and president of the National Academy of Sciences. During a lunch-

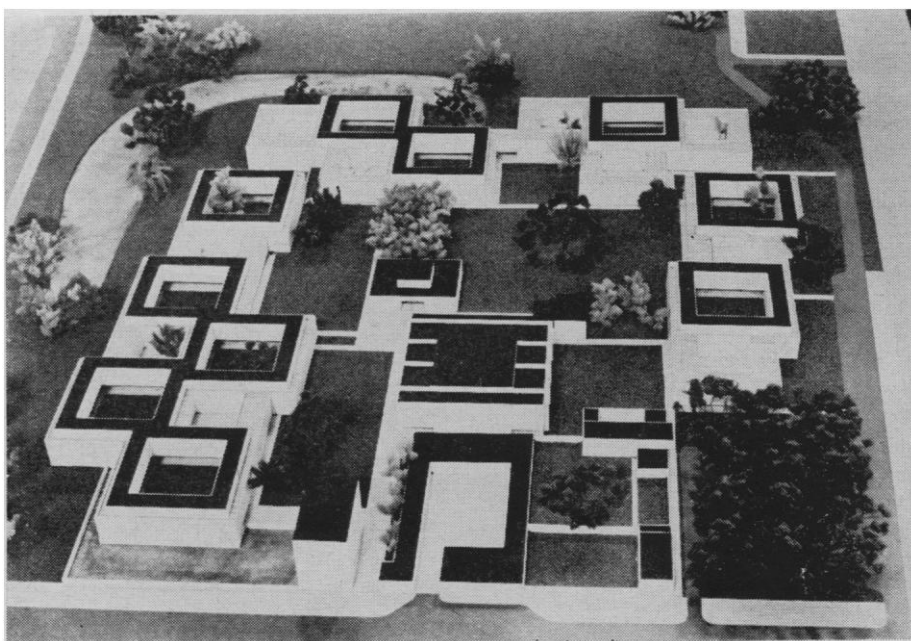
eon session Ralph W. Gerard, the institute's director of laboratories, will describe the organization's program, and at an afternoon session of scientific papers, institute director James G. Miller, will discuss "Information Input Overload."

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Philosophy of science. Princeton University is organizing a special program of graduate studies in the history and philosophy of science, leading to the degree of doctor of philosophy. Plans have advanced far enough to permit inviting inquiries for the year 1960-61, which may be addressed to Professor Charles C. Gillespie, Department of History, Princeton University, Princeton, N.J.

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Churchill College design. A modern design has won an architectural competition for Churchill College, Cambridge University. It has been approved by the trustees who met recently under the chairmanship of Sir Winston Churchill and inspected the drawings. In May 1958 plans were announced for the establishment at Cambridge of a college of science to be named after Sir Winston. Later it was announced that Sir John Cockcroft, a leading British atomic scientist, will be its first master. The college, which will accommodate 540 students, will be the first entirely modern building of its kind at Cambridge.



Architect's working model of Churchill College which is to be added to Cambridge University. Named for Britain's wartime leader, the new college of science will occupy a 42-acre site in a suburban residential area near the university. Roughly 70 percent of the students will be studying science and technology.