Stratton Describes Ford Grant

(Continued from page 1)

government. Dr. Stratton described plans for the use of a grant of more than $9,000,000 recently given to MIT by the Ford Foundation for the advancement of engineering education. The funds, he said, have been designated for the following major purposes:

1. $3,500,000 to endow seven professorships in newly emerging fields of engineering.
2. $1,000,000 for postdoctoral teaching internships — towards our responsibility to replenish the ranks of teachers.
3. $200,000 for the revision and development of engineering curricula.
4. $1,250,000 for the development of new instructional laboratories.

"The Ford grant brings to MIT one of the most exciting opportunities for developmental achievement in its history. It also imposes on us an enormous responsibility," Dr. Stratton said.

"The most critical task that lies ahead in the development of engineering curricula," he emphasized, "will be that of maintaining a proper balance between art and science. Modern engineering has its roots in and draws its ultimate assurance from physics, chemistry, and mathematics. The time gap between scientific discovery and useful application is growing steadily smaller. Today's graduate reaps tomorrow's harvest. Solid state and nuclear physics, polymer chemistry, abstract algebra and information theory already are incorporated in engineering. Clearly the great engineers of the future must have the intellectual group to cope with that kind of a technological world.

"I think it desirable and indeed inevitable that future MIT students of engineering will be far more thoroughly grounded in mathematics and the base sciences than most of us of preceding generations. But man is a social animal and I must anxiously hope that we shall make equal progress in the development of those counterbalancing qualities of the ideal engineer — the powers of judgment and detec-tion, the acumen of risk-taking clients, the ability to face and meet, an ethical approach to his calling and the mark of every high profession."

The toasts at the dinner, Charles George Durand, a vice president of John-Manville, of Bronxville, presented the Silver Stein award, given annually to an MIT alumnus in recognition of outstanding service, to Alfred Thomas of Johns-Manville, of Bronxville, presi-dent of the MIT Club of New York, and A. D. Green of Westfield, N. J., president of the Barney Corporation. Hosts for the dinner were E. C. Edgar, Chapaqua, president of MIT, E. C. Edgar, Chapaqua, president of the Barney Corporation. Hosts for the dinner were E. C. Edgar, Chapaqua, president of MIT, and A. D. Green of Westfield, N. J., president of the Barney Corporation. Hosts for the dinner were E. C. Edgar, Chapaqua, president of MIT, and A. D. Green of Westfield, N. J., president of the Barney Corporation.

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