Sales of Silicones Division have grown 800 per cent in the last 8 years. (And we're just beginning.) Because of their hard-working, long-life characteristics, silicones can be applied in almost every industry today: Cosmetics, Paint, Aerospace, Wire and cable, Insulation. Electronics. They make other products work better, last longer.

Today there are about 250 Union Carbide silicone products on the market. There are 3,500 in research and development. Which one is going to give you your reward?

Make an appointment at your placement office. The Union Carbide Silicones Man will be here on February 26.

An equal opportunity employer

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4 national companies grant MIT a total of $2.2 million last year

By Esther Glotzbach

Educational grants totaling $2.2 million have been awarded to MIT and other institutions by four business concerns.

Maytag, Sears
MIT was among 41 colleges and universities to receive contributions through the Educational Gift-Matching plan of the Maytag Company Foundation, Inc. The plan matches employer's gifts of up to $500 to eligible schools and educational funds. In 1963, the fifth year of the program, gifts plus matched amounts totaled $37,548.

The Sears-Bootsch Foundation has awarded $56,600 in college-endowment grants to 43 private colleges and universities. MIT, Boston College, Brandeis, Harvard, Radcliffe and Regis each received $750. These grants are designed to help cover the cost to colleges of educating Sears Foundation Merit Scholars enrolled at these colleges.

An additional $105,000 will be awarded to all such scholarship holders. Over the past eight years the Sears Foundation has made 100 grants totaling almost $1,000,000, making it the largest single sponsor of the National Merit Scholarship Corporation.

Eastman Kodak Company made awards totaling $250,000 to 21 colleges and university graduate departments last year, of which MIT received $57,500.

The awards, made under the research grants phase of Kodak's aid-to-research program, are designed primarily for unrestricted use in research and new or improved facilities.

The Du Pont Company awarded $31,800 million to 118 colleges and universities last year.

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This cyclotron was built and operated by the fall of 1930 and reported, at the Washington April Meeting (Phys. Rev. 37, 1707, 1931). The diameter of the chamber was about 6 inches. Placed between the 4-inch-diameter poles of a magnet with a field of 12,700 gauss and 3,000 volts on its single pole, it produced 80,000 volt hydrogen nuclei ions trapped and measured in a Faraday cage to which a measured and adequate decelerating voltage could be applied.

The do-it-yourself-with-sealing-wax days are gone from cyclotron technology forever. The tiny instrument invented by Dr. Ernest O. Lawrence at Berkeley in 1930 has been superseded many times by increasingly larger and more powerful instruments of nuclear research.

Today the business of discovery is carried on by 3200 people at the Berkeley site of Lawrence Radiation Laboratory, overlooking the University of California campus and San Francisco Bay. And the challenge of innovation remains for engineers—in advance accelerator design and in a dynamic unclassified research program.

EE's: Major electronics development programs at LRL deal with nuclear instrumentation, automated data handling and acquisition, radio frequency and high voltage power supply systems, fast-counting techniques and semiconductor device development.

ME's: Our Mechanical Engineering work concentrates on design of accelerators and the instrumentation associated with them, on magnet development, high vacuum systems, shielding problems and mechanical engineering applied to biomedical research.

Engineering graduates at all levels who want to learn more about LRL should contact the Placement Office for appointments. Campus interviews will be held on:

Wednesday, February 19 and
Thursday, February 20
Friday, March 6

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