The Tech

ACTIVITIES COUNCIL

Nominations are now open for Class B representatives to the Activities Council. Interested candidates should submit a written notice of their candidacy, signed by themselves and by the president of the engineering program they represent, to Alan Budrewicz, Ballantine, or Philip Bryden, Ware 201.

UPPET PETITIONS

Nominations for the January 13, 1956, election will be available at the Institute Committee Office in Walker Memorial for the attention of Undergraduate Association President and Vice President.

ORGAN RECITAL

Lawrence Belegue, a junior organist, will be organist in the MIT Chapel this Sunday, January 15, at 3:00 p.m. He will play works by Bach, Schoeck, Cavazzoni, Martinu, Brahms, Franck, Debussy, and J. S. Bach.

Nominations for the executive council for the spring term will be available at the Institute Committee Office.

COMMITTEE ON COMPUTER CENTER

Ties in these fields. The committee, four years ago to correlate departmental activities, has established a departmental group formed four years ago to correlate departmental activities.

COMPUTER CENTER

M.I.T. Computer

(Continued from page 4)

The computer will have stored information about the sales in a specified area over a given time period. When current material of a file is fed into the computer, the computer compares the current information with the stored information, and on the basis of this comparison is able to, for example, make estimates on future sales for the given area.

ONE OF THE problems to be explored is the preparation of consolidated financial statements. With a set-up similar to that of Sylvanitas, what is the best way to program all the data that must go into a consolidation statement? Another area to be explored is that of developing a system for processing current information through production models dealing with the level of the economy, business trends, sales of stocks, etc. in order to obtain up-to-date results. Linear programming of information to be computed is also under study. Linear programming is a mathematical optimizing device whereby a process can be analysed to determine the optimum arrangement of input and output, which in turn would optimize profits. For example, take the case of an oil company with refineries in several cities whose refineries exist not only in these several cities, but also in many other cities throughout the country. The problem now is to compute how best to route the traffic in shipping oil from the cities where the refineries are located to all the other cities where the markets exist so as to minimize the shipping costs. Linear programming has many applications, one of difficulty is in properly preparing the information.

ENGINEERING

MATHEMATICS

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