Les Brown, Ahmad Jamal Featured for JP Weekend

Les Brown and his “Band of Renown,” and Ahmad Jamal, jazz musician, will be the featured entertainers of the annual Junior Prom Weekend, scheduled for November 4-5.

Brown and his group will perform at the Friday night formal dance, to be held in the Statler Hotel Imperial Ballroom. Jamal will appear at the informal dance-Jazz concert Saturday evening.

Ticket options for the affair will be available starting during the second week of October for $2, according to Max Snoddy, junior class president and chairman of the Junior Prom committee.

MIT is building the world’s most powerful magnet under a $9,500,000 contract announced this summer by Institute President Julius A. Stratton and Lt. Gen. Bernard A. Shreiver, Com- mander of the Air Research and Development Command.

Created as a national research center, the MIT Magnet Laboratory will produce extremely strong, continuous magnetic fields in the search for new knowledge about matter and energy.

“There is a vital need for new basic information in this advanced and important segment of scientific study,” President Stratton said. “By means of this new Air Force initiative, the nation will have in the MIT installation the most advanced scientific instrument of this type for exploration of the properties of matter.” Groups from academic, government and industrial research institutions in the U.S. and visiting scientists from other nations are expected to use the installation.

The laboratory will be in full operation by 1964 with an anticipated annual research budget of $9,500,000 a year.

Professor Francis Bitter, a pioneer in development of magnets and in the study of high field magnetic phenomena, is designing his position as Associate Dean of Science in order to assume responsibility for the design and construction of the new laboratory. He will also be chairman of MIT’s policy committee and will assume new duties as Professor of Geophysics and research director. The policy committee will build a new magnetic observatory and will determine the role of magnetic phenomena in the evolution of the solar system.

Lax to Head Lab

Director of the Magnet Laboratory, Julius A. Stratton and Lt. Gen. Bernard A. Shreiver, Commander of the Air Research and Development Command, announced the appointment of Dr. Edward B. Lax, head of the division of Solid State Physics at Lincoln Laboratory as Director of the Magnet Laboratory.

Pressing Need Cited

An official Institute release declared “A pressing need exists for extremely high continuous magnetic fields. Some 20 years ago Professor Bitter developed at MIT a proton-cyclotron capable of sustaining a 10,000 gauss field and constructed a power station of 1.7 million watts required for its operation. Recently, the Laboratory at Lincoln Laboratory and at the existing MIT Magnet Laboratory indicates that fields of about a quarter million gauss could be generated with a reasonable electrical system.”

Lax will be available starting during the second week of October for $2, according to Max Snoddy, junior class president and chairman of the Junior Prom committee.

MIT Magnet Laboratory where many pioneering experiments using conventional magnets and high field pulsed magnets were performed. Dr. Lax said that the need for a more extensive, elaborately automated and sophisticated installation for extending these experiments is growing.

(Continued on Page 3)

FOREIGN POLICY IMPORTANT

Nixon Over Kennedy In Freshmen Straw Vote

Vice-president Richard M. Nixon handed Senator John Kennedy a decisive 5-3 defeat in The Tech’s poll of the entering freshmen held Friday, September 16, at the Activities Midway.

Of the freshmen passed by The Tech’s booth to hold 102 votes for Nixon and 62 for Kennedy. In addition, one freshmen cast a vote for Dean of Residence Frederick Fassett, stating that the principle issue of the campaign would be in his opinion he being.

The voters were asked to state whether they were from rural, urban, or suburban areas. The results:

K. N. T.

Urban 30 33 63

Rural 25 52 77

Suburban 7 17 27

Another question asked of each freshman was the political allegiance of his parents. Again the results in table form:

K. N. T.

Mass. 21 6 13

M. 10 17 27

Science 9 13 27

Pa. 2 10 12

Voters were also asked to indicate “the most important issue of the campaign.” Fifteen mentioned religion, ten Nixon backers and five Kennedy men. The Nixon men were counted to simply state their view, while the latter five all penciled notation on their ballots declining the fact. 66 “voters” mentioned foreign policy, 41 of these being for Nixon, and 25 for Kennedy. Conservatism versus liberalism was mentioned fourteen times, with Kennedy on top among these voters, nine to five. Sixteen of the people polled thought domestic issues such as civil rights were most important, thirteen Nixon men and three Kennedy men. The remaining freshmen regarded personality, economic policy, defense, U. S. prestige, experience, and qualifications as most important.

The Tech readers are cautioned against drawing any definite conclusions concerning the outcome of the election in November.

Six MIT students participating in the “Crossroads Africa” program spent the summer in four West African countries.

Fassett Receives Vote

$9.5 Million To Build World’s Largest Magnet For Air Force

Dr. Elias To Head Course Six

In this new position, Dr. Elias heads MIT’s largest department, which includes 70 faculty members, plus 60 lecturers, instructors, and research associates. More than one thousand students are enrolled as undergraduates or graduates in Electrical Engineering courses.

Dr. Elias has been a member of the MIT faculty since 1953, and was a professor of Electrical Engineering and staff member of the RLE prior to his July 1 appointment. He has been active in the field of communications science. An authority on information theory, he has made notable contributions in coding theory. His main concern has been analyzing pictures as messages for transmission and processing, and working on the transmission of reliable information over noisy, unreliable communication channels.

As a Lieutenant Commander in S.T.D., on Friday afternoons in October at Berkeley. His promotion to professor is announced in April, 1969.

Freshman Dance Is Postponed

The freshmen Orientation Committee has announced that the committee’s dance for all freshmen has been postponed until Saturday night, October 1st. The reason for the change was a conflict with the Catholic Club’s All-Truth-Accomplished Dance which was also scheduled for Friday night, September 28.