FRESHMEN ELECT REPRESENTATIVES TO CLASS COUNCIL

During the week of October 8, the class of 1956 held elections for section leaders in the rooms of the graphics department. The first freshmen council meeting will be held in the Moore Room on the third floor of Building Six. Two sections have not yet held elections. The following freshmen were elected:

- L. John Wing, B. James Abramson
- Roy Klim, 25.
- David Scott, 16.
- Richard Lanfer, 17.
- James Barton, 15.
- John Kennedy, 15.
- Larry Bernstein, 11.
- Robert Sukenik, 12.
- Russ Brown, 12.

The following freshmen were elected to the class councils of sections that have not yet held elections:

- Bill Chandler, 10.
- David Brooks, 11.
- Ken Hoben, 4.
- Serge Dyner, 5.
- Karl Rottner, 6.
- James Abramson, 2.

The following freshmen were elected to the class council of the Sage section:

- Neal.)

The class of 1957 held elections for dormitory leaders, and ten dormitory sections have not yet held elections. The following freshmen were elected:

- Keith M. (Continued from Page 2)

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UN 4 2324 — Appointments

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Notices

Simchas Torah Festival

Every Friday night, during Jewish Sabbath services a portion of the Torah is read such that it takes an entire year to complete the Scroll. The commencement of a new Torah is an occasion for festivities—Simchas Torah. To observe this festival, Hilft offers the Jewish students the following program, Monday, October 22, and Tuesday, October 23.

Monday, October 22, traditional meal at Hilft House 6 p.m., services 7:30, followed by a social program. Reservations for meals by Thursday, 6:00 a.m.

Hillet Brunch at M.I.T.

The first Hihat Brunch of the season at M.I.T. is scheduled for Sunday, October 21, at the Moore Room 6:30-8:00 p.m. Members are charged 50 cents and non-members 50 cents for all the food they can eat.

Combustion

(Continued from Page 1)

conditions: while the smaller, six inches in diameter, will be run at atmospheric conditions up to 65,000 feet. These engines will occupy a small portion of the second floor of the Sloan building. Research will be mainly concerned with the combustion chambers of the jets. Different fuels and fuel injection methods will be under study, with special attention focused on flame stabilization at high speeds.

Compressors

Two 900 horsepower air compressors with a capacity of 12,000 cubic feet per minute are the main units used to simulate actual running conditions. The air from these compressors, located on the ground floor directly beneath the ram jetc, will first pass through a moisture separator, and then through a condenser. Before it finally reaches the jets, it may be heated up to 600 degrees Fahrenheit if the altitude to be simulated so demands. The air heater, forty feet by eight feet in diameter, will be located on the roof of the new laboratory.

The compressed air now enters the ram jet, either directly into its combustion chamber or first through a superfine nozzle placed in front of the engine as a complete unit. The smaller jet will be placed in a "U" shaped tank fifty-four hours and a half feet long by four and a half feet in diameter. Eighteen stages of water spray rings will cool the hot exhaust gases down to 120 degrees before they pass through a silencer and leave the building. The set-up of the larger ram jet will be much the same as the smaller, and all operations will be completely soundproofed.

Although the Combustion Research Laboratory is designed specifically on the requirements of fuel research work, it may be available for other uses under the normal policy of the Institute.