The MIT varsity debate team received top honors in the four-
team division of the Boston University Invitational Tournament last
week. At the same time four MIT freshmen representing the Debate
Society finished seventh out of 21 participating schools in the
Dartmouth Full Novice Tournament.

The collegiate debating topic for this academic year concerns
the advisability of a Federal public works program to aid the
American unemployed. MIT debaters Bender and Block (affirmative)
and Johnson and Helio (negative) finished with a record of ten
wins and six losses in the four-team BU competition.

On November 13 and 14 the Debate Society will hold its annual
MIT Invitational Tournament. Approximately 25 teams from 36
schools in the New England area are expected to participate.

Interested students are invited to the final rounds of the
tournament, which will be held at 4:30 Saturday in the Little
Theatre of Kresge.

Debaters win in BU tournament; freshmen place 7th at Dartmouth

Theatre of Kresge.

SANDERS THEATER
SATURDAY, NOVEMBER 14—8:30 p.m.
Tickets: 2.50, 2.00, 1.50 Available at the Harvard Coop.

The Harvard Outing Club presents
Jim Kweskin and THE JUG BAND
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We work in space... and under the sea...

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Theory of smell proposed

An explanation of the process by which smell is transmitted by the
nervous system in the presence of an odor has been proposed by
two MIT professors. Drs. Robert Gesteland and Jerome Letwin be-
lieve that the transmitting electro-
trical signals in each nerve fiber
depend on two different receptor
mechanisms.

One increases the rate of im-
mediate-firing, and the other de-
presses that rate. The electrical
action of both mechanisms are
somewhat different and are not
linearly related.

Odorant nerve fibers have their
endings in the mucosa, or surface
of the lining of the nose. Here
they come in contact with mole-
cules of odor-producing substances
which produce a stimulus at spe-
cial receptor sites.

Using frogs as experimental
subjects, the two men recorded
both the activity of single fibers
and the average electrical activity
of the frog olfactory nerves be-
fore, during and after stimulation.
The results of these measurements
seem to indicate that the odorant
molecules apparently alter tem-
porarily the permeability of the
nerve membranes at the receptor
dsites.

Drs. Gesteland and Letwin
showed that there were at least
three processes of permeability and
resulting electrical current flows
involved in the receptor mechanism.
They also found that the electrical
pictures of the action of large
groups of olfactory nerves could not be explained by a
linearly-related unitary pro-
cess common to both mechanisms.

Armenians give $200 for suitable frosh

The Haig Guin Club of Boston
has announced the offering of a
$200 scholarship to be awarded to
an Armenian-American student
born and residing in Massachu-
setts and currently attending col-
lege.

The funds will go towards the
second term tuition of a fresh-
man. Applications must be com-
pleted by December 1, 1964; the
award will be based upon need
and scholastic ability.

Interested students should con-
tact the Student Aid Center for
further information.

Letters:

(Continued from Page 4)

office by the editor at that very
moment. He meant to begin意味着 that any publishing
company is equal opportunity.

Placement Office. The Bell Sys-

On the other hand, the profits?

Phi Omega used to handle the job
of handling the job now, and the profits?

A reasonable student di-

ally represented in the Directory!

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communications become more
important to homes, businesses
and defense.

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And those who move up are
those who can quickly evaluate
new responsibilities and are fully ac-
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We'd like to talk with you about career futures we can
offer. Sign up now at your
Placement Office. The Bell Sys-

The whole student body would
be indebted.

Robert S. Zecher, '66

Courtesy in Lecture

To the Editor:

MIT students are reputedly sup-
posed to be a mature group. It
seems to me, then, that our class
has a lot of catching up to do.

This is evident in the disappoint-
ing lack of courtesy, respect, and
interest exhibited during our lec-
ture periods. Wann't one of the
reasons for coming to MIT is
the tremendous opportunity for
studying under the best faculty in
the country? How then can we be
so barbaric as to drive a very enjoy-
able and interesting lecturer from
under the best faculty in the
country? How then can we be so

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