Fall term recruitment issue—see back page

President Wiesner attending the Freshman Picnic last Friday.

Rogers Report due for fall

By Alex Makowski and Robert Forer

A high-level Task Force on Education may recommend this fall fundamental changes in the format of MIT's undergraduate education.

The effect of the departmental structure on this four-year period could be diminished, while increased contact between students and faculty may be encouraged through a program similar to the current undergraduate research opportunities venture.

Additionally, the Task Force's report will most likely suggest the establishment of a separate Institute committee for educational research.

A new post of Dean of Undergraduate Education is also a likely proposal, but its position in the administrative hierarchy has yet not been made known.

Appointed late in the past school year, the Task Force was ostensibly to carry ahead the work of the Commission on MIT Education to the point of setting specific proposals before the faculty. The Task Force met through May and during the summer, and has reached enough of a consensus for chairman Harley Rogers to begin writing a first draft for their report.

Once the report is completed sometime during the fall it will be presented to President Jerome Wiesner. From his office it goes to the faculty for action.

The Task Force's report will recommend that the Educational Division still remain under the office of the President, and that the curriculum development now done at the Education Research Center, to include such subjects as developmental psychology.

The Division is not to have a policy role; rather, it will work with faculty on more of a consulting basis.

Such a task force was originally planned to receive recommendations of the MIT Commission and submit specific proposals, but the faculty could vote on, however, its policy-making significance and bureaucratic role would be diminished in favor of a more consultative role.

Encouraging closer contact between students and faculty stems in part from the desire to make undergraduate education a more more total involvement with MIT. Many undergraduates, professors have noted, aren't involved with what's exciting at MIT, so they become alienated from the routine fare of lectures, recitations, and labs. The Task Force envisions students spending 20 to 25 percent of the time during their undergraduate years doing some significant work with a faculty member.

Sorenson and Browning, who is Chairman of the Educational Division, is expected to receive the Task Force's recommendations.

By Alex Makowski

President Wiesner entertain at the Freshman Picnic last Friday.

Dorm squeeze persists in wake of Residence Week

By Norm Sandler

Rush week lived up to the expectations of its coordinators this year, with the satisfaction of fraternities and self-styled "living groups" struggling for their economic existence.

As with appeared as a rather disappointing start, this year's rush progressed from a fair hope Monday to an excellent chance of reaching or exceeding last year's numbers by Tuesday night. The year's goal set by the Inter-Fraternity Council (IFC) was 176 pledges, four more than last year.

According to Steve Altschuler, IFC secretary, and two more than last year's numbers by Tuesday night. The year's goal set by the Inter-Fraternity Council (IFC) was 176 pledges, four more than last year.

Two fraternities which did exceedingly well under going organizational or procedural changes were Sigma Alpha Mu (SAM) and Tau Epsilon Phi (TEP), SAM initiated an open-bidding procedure this year, under which offers of membership were extended less selectively than usual among fraternities. TEP's chapter at MIT underwent a complete organizational restructuring this year with four people taking the task of rushing freshmen.

The two coed fraternities — Delta Phi and Sigma Nu — were successful in attracting at least something like their previous membership.
Dorms still squeezed in wake of R/O Week

(Continued from page 1)

384-man (and woman) capacity, far short of the 30% Institute average.

When rooms are assigned, the freshman living group preference cards are divided into groups by the designated first choice. The number of cards in each group is compared with the space available in that dorm; any excess is divided up among the unfilled dorms by the designated second (or third, fourth, fifth, etc.) choice. Upperclassmen within each dorm assign the freshmen to particular rooms.

Freshmen had no better luck this year than last in getting their first choice. Tuesday 78% of those assigned rooms found themselves in their preferred dorm. Assignments that afternoon stopped short of placing students in their fourth or fifth choice, and Wednesday another placement round was held for those unassigned freshmen and a placement round was held for choice, and Wednesday another dorm. Assignments that after-

Wednesday afternoon more rooms were available, mostly as a result of fraternity pledging. That second day 50% of the freshmen assigned found themselves in their first choice. The final batch of 51 freshmen was assigned rooms yesterday; it was this round that demonstrated the need for squeezing extra students into the dorms to provide space for all the freshmen.

Last year the Housing Office anticipated the overcrowding by assigning freshmen to crowded conditions on the first and second rounds. Much of this excess went to East Campus, with the crowds in other dorms held over for the last few assignments. But the fraternities and dorms proved capable of accepting more of the freshmen than expected, and little overcrowding was necessary in the other dorms. "East Campus," explained Browning, "would up bearing the brunt of the overcrowding. This year we waited with selecting the overcrowded living units until we had a better picture of how the housing system would be able to handle freshmen requests."

Yet to be resolved is the problem of transfer students (there were 114 this year). Except for special cases, the Institute will not guarantee them housing. Browning said that MIT has an obligation to place a higher priority on the younger, less-experienced freshmen. Some transfer students pledging fraternities most sought housing outside the Institute's residence system. A few may be accommodated by last-minute cancellations.

There is no data yet on where MIT's black freshmen chose to live. Few went through the fraternity Rush Week. "Your shortest path to person-to-person banking."

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information, or get in touch with him for a part-time job selling U.S.D.A. memberships.
While you were away...

Tuition was raised $250 effective summer 1972, unless post-freeze measures disallow it. $2900 TPM.

* As of Tuesday there were still openings in the following Freshman Seminars: 291 The Birth and Case of a City, 202 Modern Marvelous Mechanical Machines, 403 Days Off, 409 Meet the Town, 925 How the Human Body Works, from an Engineering Point of View, 206 Bot, Acid and Boose, 203 Micro-Engineering and Social, 213 Thermal Alchemy, 214 The Science of Numbers, 084 Astrophysics - Here and There in the Universe, 083 Earth Science at MIT, 175 Community, Life and Health, 201 Ocean Environmental Waters, 173 The Hydrodynamics of Sailing Vessels, 163 Fluid Mechanics Experiments, 018 The History of Science, 175 Counter Cultures, 203 What Is (Are) the Sciences?, 201 Questions and Answers, 201 National Development, and Planning, 219 Systems Analysis, 201 Physicals, 017 DLI Environmental Measurement and Control. Full descriptions of most of these are in the Freshman Handbook. (Other seminars listed in that book may also have developed vacancies later this week.)

Each Seminar is 6 units, and is open to all students. For further information see the Seminar list. For further information are Alice Bailey, Room 7-105, 6-3622.

* Harvard/MIT Program in Health Sciences and Technology: Information on new course offerings and application forms for enrollment in Functional Anatomy and Clinical Pathology will be available at DuPont Gym on registration day (Monday). That same evening from 5-6 pm in Kresge Auditorium there will be a discussion panel of the program by the Director, Dr. Irving M. London.

* Freshmen are urged to begin looking now for summer internships, particularly in the Undergraduate Research Opportunities Program (UROP). This is an opportunity for an undergraduate to be joined by another member, as a junior colleague in his research program. If you want to become involved in UROP, consult the UROP Director, which you should have received with registration material this summer (extra copies are available in the MIT Office, 7-1111). Each department and laboratory in the Directory has a UROP Coordinator to assist you in finding a research opportunity as well as any workshops that may be planned about the program. Many of the departments and laboratories list faculty and staff who have open positions available now, and will be happy to contact these individuals directly. Don't be discouraged if you still can't find a suitable opportunity - many of the entries have only a few open positions right now, but you may match up with a faculty/staff member.

Limited support is available through UROP to offset research expenses. Inquiries regarding support for research should be directed to the UROP Coordinator. Lincoln Laboratory - a center for research in advanced electronics - has joined UROP as a resource for students to do research as computer systems, pattern recognition, detection of earthquakes, underground nuclear explosions, etc.

The Charles S. Draper Laboratory will have a student jobs program correlated with the well-known work of the Apollo Missions. Lab staff will discuss these and other interests in advanced electronics. Some of these seminars will be discussed in a Freshman Seminar being planned around the Draper Lab this fall, entitled "Environmental Measurement and Control" (EDMC). New opportunities and openings not listed in the above seminars will be discussed outside the Freshman Seminar Office, and will be published in the T-Wizard. If you have any questions about UROP, see Min. Amy Metcalfe, Room 202-222, 6-0404.

Welcome (back) to MIT.

The beginning of the year is the best time to start something new, and we're looking forward to seeing as many new faces as possible. Interested freshmen are urged to visit our Midweek booth on Friday night, of course, or stop by the Freshman Orientation desk to see what it's occupied. But upperclassmen - who know some of the Institute's ins and outs already - will be welcomed even more graciously.

This special issue contains updated academic information, and a few stories from our summer issue for those of you who weren't here and didn't get it in the mail. Our first big regular paper will appear on Tuesday. Among the contents: the Freeze and the Institute; Boston's World Science Festival - detailed talk at MIT's undergraduate housing system; How MIT Rejected the Pentagon Papers; and the burst of the big tennis bubble.

by Brent Parker and Johnny Hart
At the Edge of History

By Bruce S. Marten

At the Edge of History, Harper & Row, $6.95. 163pp.

"Is straining our industrial technology to the limit, we have, in the words of Harper Row, "more technology than every before." Now as we stand in the midst of an industrial revolution, there remains light enough to see that we are approaching a new stage in human cultural evolution.

Population, pollution, depletion, and even the breakdown of all our social, political, and economic systems. By its subject matter, it is a specialized phenomenon, unlike anything else that has happened in history. It may be that we are witnessing the end of the world as we know it, but it is not a dramatic event. It is a slow, gradual process. The planet is aging, and we are facing the consequences.

Many possible outcomes. At the edge of history, where the future is taking shape, there seem to be a few possible scenarios: one that leads to a new kind of civilization, another that leads to the destruction of the world, and a third that leads to a new form of society. Each of these outcomes is possible, but it is not clear which one will happen. The possibilities are too complex for anyone to predict with certainty.

One scenario is that we will learn to live in harmony with nature, that we will develop a new culture that is based on respect for the environment. This scenario is possible, but it is not certain. Another scenario is that we will continue to destroy the world, that we will continue to pollute the planet and destroy the environment. This scenario is also possible, but it is not certain. The third scenario is that we will create a new kind of society, one that is based on new values and new ideas. This scenario is also possible, but it is not certain.

In any case, the future is uncertain. The possibilities are too complex for anyone to predict with certainty. The future is a mystery, and we must be prepared to face whatever comes.
By Paul Schindler  
President Nixon, in an address to a joint session of Congress yesterday afternoon, strongly implied increased funding for research and development.

Nixon told Congress: "I shall present [legislation for] new approaches toward assuring the maximum enlistment of American technology in meeting the challenges of peace."

Observers at MIT, in general, seemed to feel that if the past is any guide, MIT can expect at least part of any new funds appropriated for technological research. But no one was saying for sure yet. Although he was in Washington visiting some congressional friends last night, Dr. Wiesner said he received no inkling of the President's upcoming remarks.

Dr. Wiesner did not hear the President's speech, but when informed of its content by The Tech, he said that it was "unconvincing" that MIT might get more federal funds. "MIT certainly has plenty to offer; if the government is really serious, they could challenge us to help solve these problems."

The President called a strong peace-time economy, with low unemployment and little inflation, one of the major challenges of peace, and felt it a goal that the Administration would work towards, along with its previously announced goal of a generation of peace.

"Technology alone will not buy us security," Wiesner said, however. "Nor will it replace new ideas, work or common sense. It makes a difference as to whether peace is assured by a better international situation or by more weapons."

The thrust of Nixon's proposal was explained by a staff member of Ron Ziegler's White House press staff: the legislative drive will be spearheaded by William MacGruder, who previously headed up the unsuccessful Nixon SST effort. The effort will be two-pronged: MacGruder will work with Assistant for International Economic Affairs Peterson to "produce patentable scientific breakthroughs on technological manufacturing capabilities relating to the balance of payments," he will also work with Science and Technology Adviser Dr. E.E. David on "new government-industry partnerships which might produce breakthroughs."

MIT administration officials saw only one cloud on the horizon, but were reluctant to discuss it. Usually reliable sources indicated that most of academia is "in the dog house" with the Administration, and that this fact might reduce its share of the Administration funds. Nixon to hike R&D funding

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Courses the Catalogue couldn't catch

The following subjects will be offered next year even though they were not listed in the Catalogue. The Humanities Department has sent us descriptions (all of whose courses listed are offered first term); queries about other subjects below should be directed to the appropriate department headquarters.

1.52 Advanced Structural Design (3-1-3) (the old 1.552 has been renumbered 1.553)
2.80 Comparative Ancient Technologies (3-4-6)
4.123 Architectural Design (0-1-8)
4.174 Architectural Design, Special Problems (Art)
9.311 Neural Basis of Visual Perception (3-3-6)
21.922 Musical Acoustics (3-0-6), A. J. Houtsmuller
A study of physical and psychological acoustics in relation to music. Physical acoustics examined through an introduction to the physics and mathematics of vibrations, sound waves and boundary effects; spectrum description of complex waves; systems analysis of some musical instruments; properties of musical scales. Section on psychological acoustics covers behavioral studies on the perception of musical sound and the ways in which the ear and peripheral auditory nervous system transform and encode musical messages. (Same subject as 16.38J.)
21.943 Through Politics (3-0-6), C. Ogilvie
The various current modes of extraparliamentary politics. The New Left at '60s and '70s. The decline of (social) rationalism. The emergence of alternative paradigms of political, social, psychosocial, scientific, and cosmic knowledge. The role of MIT in the critique of science.
21.945 Rhetoric and Journalism: The Analysis of Texts (Art); E. Diamond
Critical analysis and practical exercises in reporting, writing and editing. Both historical and current texts will be used to study such journalistic categories as news, opinion, features, editorials, commentaries. Organizational influences on graphics, headlines, pictures, layout. Also: consideration of bias and ethicalizing techniques (objectivity); the roles of the journalist in history; economics of publishing. Students will be responsible for creating a substantive body of work for publication and/or display in campus or extra-campus media. Examples of student work, as well as professional models, will be discussed and criticized in class and by the seminar leader. (Permission of instructor required.)

First meeting will be Friday, September 17 at 12 noon. For further information contact the instructor at extension 3147.

Nixon to hike R&D funding

Lyndon B. Johnson's budget will include an additional $1 billion for R&D (Continued from opposite page) over the current $13 billion. The increase is expected to boost research in industry as well as in the universities and government.

The increase is expected to boost research in industry as well as in the universities and government.

ly and sensibly. It is not clear, at this point, what the President means to do, or how technology will be involved. But we have done a fair amount of work for the government in the past.

The President is concerned with, Simonds said: "We're committed to technology. Asked if MIT could help solve the problems the dent is concerned with, Simonds said: "We're committed to the idea that technology can play a useful role in the solution of these kinds of problems. As a matter of fact, much of our current and on-going work is relevant to these problems." The timetable for presenta- tion of Nixon's proposals was

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Features writers
Writing features for The Tech is somewhat different from writing straight news. Features are more detailed, more subjective than the purely objective news story. Features also cover a wide range of subjects - from MIT's financial policy to in-depth interviews to the Boston scene (the Boston Museum of Science liked our feature on them so well that they reprinted it for their own publicity folders). If you like getting really involved with a subject; if you enjoy a smoother writing style; if you prefer a little more leisure in your writing, writing features for The Tech may be for you.

Artists
Can you draw? This year, The Tech would like to utilise editorial artwork much more extensively than we have in the past. Someone who can sketch well would be particularly welcome, as cameras are forbidden at many closed meetings. Editorial cartooning is another fertile field. In addition, there is often advertising artwork to be done, and our Features Editor would appreciate illustrations and original drawings.

Layout designers
Somebody has to decide how all the masses of copy and advertising will fit into the newspaper. We haven't had a layout staff since Becky and Gail quit two years ago - the editors do all the layout and, frankly, could use some help. Also, many advertisements must be set up in our shop - layout and design are usually left up to our staff - which gives a chance to do graphics design and earn some money at the same time.

Advertising salesmen
The Tech is not subsidized by MIT and depends upon advertising sales for its revenue. Those who undertake to sell this advertising space receive a commission on their sales.

Business staff
Bookkeeping and management is a largely-hidden facet of the operation at The Tech. It's good training, we feel - our business department is responsible for about $60,000 and 300,000 copies of The Tech per year.

Arts writers
The arts page is another weekly feature of The Tech. High on the list of attractions of working for our arts staff is the prospect of seeing your work in print; however, tickets to movies and shows and free review copies of books and records are also nice to have.

Production staff
Production is the process by which all of the above items become physical reality. The Tech operates a production shop next to our office in the Student Center, equipped with an IBM MT/SC typesetting system. Besides production for The Tech, the shop also handles outside jobs and, since production is a never-ending, somewhat repetitive task, production staffs get first chance to earn money producing these outside jobs. If you like seeing something take shape under your hands and would like a chance to earn some money in your spare time, production work is right up your alley.

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