The Nixon Budget: crunch on students

By Mike McNamee

The MIT faculty, in their first meeting of the spring term, approved the 4-1-4 calendar as the Institute's permanent calendar, considered changes in the Institute's patent policy, and received a report from the Special Faculty Committee on MIRV.

The Special Faculty Committee on MIRV, which was formed in May of 1970, to examine strategic ramifications to make. The committee has no recommendations concerning faculty commitment to academic duties during the arms race. Professor George W. Rathjens of the Political Science Department, chairman of the committee, admitted that they were still studying the problem and that some of the questions it was charged to study were not addressed in the complex nature of the issues. Professor Philip Mor-

unrestricted income being patent fees, facilities rents, and (endorsements) of $6.1 million. Past experience, he said, has shown that this gap is often much less than the projected gap, as departments have been concentrating on economy measures. Gray also discussed the effect of the Defer Labora-

die P
tory divestment on the budget, noting that the divestment would probably cost $2.7 million in the first year, with the loss to MIT of $1.4 million in future years.

Gray also added that a fiscal strategy had not been laid out yet for FY 1975, but stated that incremental cutting -- the policy of making small cuts in each department and area -- had al-

most run its course. Although he said that there is not an im-

mediate budgetary crisis, Gray pre-

dicted that whole programs and services may have to be cut in the near future.
Dining options proposed

By Howard D. Sieper

The Housing and Food Services and the Ashdown House Extension Committee are continuing to confer on acceptable and reasonable limited food options for the Ashdown Dining Hall.

Group offers jobs in legal agencies

By Charlotte Cooper

The MIT Urban Studies Program (U.S.P.) will offer full-time law-related positions with organizations and public agencies in the Boston area to 25 students this summer.

In Project's previous two summers, students have served as legislative assistants in the Massachusetts House of Representatives, staffed task forces at the Boston University Center for Law and Health Sciences, and developed a new court for the City of Boston. This year, positions will also be available in criminal justice, housing problems, employment and workers' rights. Students will be involved in administrative agencies, community organizing, legislative activity, or research. stan, stresses Nol Cohen, Student Project Director. "The Program has been designed so that positions in all areas will hopefully be equally rewarding."

Following spring vacation, all Project finalists must enroll in a weekly orientation and preparation seminar. During their twelve weeks of summer employment, students working in related areas will meet frequently to discuss problems and insights. Evaluation questionnaires will be distributed periodically to ascertain how completely the Program is achieving its stated goal of "allowing students to gain real-world legal experience which they can relate to their formal education."

Applications are now available at Wellesley in the Student Information Center, and at MIT in the Office for Pre-professional Advising and Education (10-186) and the Urban Action Office (Student Center, Room 417). The deadline is Wednesday, March 26, at which time 35 finalists will be selected. Students in any academic year may apply. Neither previous legal experience nor a legal experience is necessary for acceptance. Stipends for the summer will range between $1,200 and $1,500.

The investigation of feasible alternatives is being conducted from two different approaches. First, by remaining indifferent to food and service expenses, the principals are examining three plans from the perspective of useful dining services. The second manner of analysis involves the pricing of each individual option and the plan's impact on the rest of the a la carte system.

H. Eugene Braemer, Director of Housing and Food Services, revealed three options presently being considered. A possible lunch plan would consist of soup, a sandwich, a limited salad bar, dessert, and beverages. They are also comparing two dinner alternatives: a fast service menu with one specialty item, and a dinner featuring one or two courses with a limited salad that might be prepared elsewhere and transported to in Ashdown.

The Administration will review the various proposals in order to determine as optimally efficient meal plan from standpoint of expenses and appeal. Upon making such a selection, the Housing and Food Services intends to meet with the Community on Student Environment and recommend a dining plan if sufficient funding can be located. At that time, when the campus plan is concluded, the Administration will direct its efforts towards an attempt to implement a limited dining facility. The Ashdown Dining Hall will remain closed while deliberations continue. It is presently being renovated for future use.

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A MESSAGE TO

M.I.T. STUDENTS

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Names should be presented at the Manager's office of the Harvard Square Store no later than March 5, 1973.
**Faculty overwhelming adopts IAP**

(Continued from page 1)

**Special committee reports on MRV**

(Continued from page 1)

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**APRO to study barriers**

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(Continued from page 1)

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Financial Aid

By Paul Schindler

A great deal of controversy was generated by the publication of the material issued with the founding of the Committee Against Bias in Education last week. "They already have their own paper, why give publicity?" people asked.

One reason they got coverage was because they asked for it: an admission by implication of their inability to get their point across in their own medium which preaches only to the converted. It was stated here before, at first, the Editor believed the arguments had some validity. CARE is not news, and it is not a basis for lobbying.

The arguments they offer are, for the most part, not worthy of attention. There is one stunning exception which I cannot ignore: their proposal that tax money be cut off because it is supporting "bad" education. Tax money, gentlemen, supports research. The government is buying MIT minds in an arm's length transaction, and it maintains teams of observers who have precisely to prevent any use of their money for anything but research. Their other arguments and accusations are of the same caliber.

Precede the extension of the editors of Psrso and its alter ego CABE have fallen on deaf ears precisely because the political philosophy they espouse does not, in its religious fervor, tolerate dissent. "We have the one true faith," they will say. "Our ethics, epistemology and political system are the only ones which are logical and therefore right." Collectivists, at least, are willing to believe others might be right. You aren't. After a great deal of consideration, I see no way my friends at The Tech don't buy that, and at this point, most of MIT doesn't either. Why is there will be no meek and decentextension of the proposal in letters columns, or "news" stories.

Editorials

With the recent formation of The Tech's Editorial Board, it is time to straighten out a few details concerning the editorial content of the newspaper. The first and most common type is the news article, written by a member of the news staff. The second type is the opinion piece, written by the Editorial Board, which was formed for expressly that purpose by a vote of the Board of Directors. The third type is the statement, signed by the editors of The Tech, and invited authors, respectively. The fourth type is the "Letters to the Editor," which is submitted for publication - Editor.

Letters to the Tech

In recent months Greek universities and other institutions of higher education have been in turmoil, ever since the spring of 1972 groups of students have demonstrated against education reform which permits government interference in the universities. In a country where higher education has been, from the point of view of the government, the only important institution of the society, it is not surprising that the students would protest with vigour, and demand freedom and liberalization.

Last November, the military-backed Greek government published a decree which would have prevented and allowed students at the universities to elect their own student councils. Since 1967 student councils had remained minimal. The fact that they had, as a group, permitted to play in university life has been strongly. The drop in aid amounts to about $300 thousand in federal scholarship help to MIT, the elimination of the National Direct Student Loan Program and the severing of the student's ability to pay for the school dues (Harvard has already publicly announced its strong opposition). These official emphasized added that a letter writing campaign is the effective way to influence the government. The Tech's Editorial Board strongly recommends that every MIT student and their parents write their home government, protesting the the National Direct Student Loan Program. The standard address: US House of Representatives, Washington DC 20515 and US Senate, Washington DC, 20510. Letters should also be sent to the respective congressional representatives and senators (Harvard has already publicly announced its strong opposition). These officials emphasized added that letter writing campaign is the effective way to influence the government.

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Economist debates "zero growth" concept

By Jonathan Weker

"I don't think we can keep going the way we're going," warned Marshall Goldman, an economics professor at Wellesley College. "We are using up the planet's resources at a rate that has never been seen before. There are some things we're doing, we're creating out of thin air, like automobiles and consumer electronics, but they cannot be eradicated."

Gallagher's remarks came during a debate with Paul Gallagher of the National Caucus of Labor Committees (NCLC) held at MIT Wednesday. The debate, entitled "Zero Growth: A Call for Survival or Ideology of Fashion?" which Gallagher claimed to be the third largest socialist organization in the world. In arguing against the concept of zero growth, for the world's economy, productivity, and population, Gallagher opposed the Marxist Labor Theory of Value, which he interpreted as stating that humans produce and reproduce everything necessary to their existence, including the natural environment. "The natural environment, today, is being produced by men," he contended. "They produce their own environment as they produce us with it."

Gallagher claimed in his presentation that human beings reproduce themselves at a higher level in an environment which requires improvement of the mode of production. He cited as an example the "agricultural revolution" of the late nine-teenth and early twentieth centuries, pointing out that a zero growth crisis at the time was resolved by an improvement in agricultural methods.

Debating the affirmative values of zero growth, Goldman revealed that he personally did not see any solution to the world's problems, but only the problems.

Goldman pointed out that the world's population would double in the next thirty-five years, and noted that most of the planet's people were concentrated in urban areas, placing additional strain on the already overburdened resources and facilities in these localities. Furthermore, he claimed, the world is getting materially richer, though the wealth isn't evenly distributed. "Our pets have ten to fifteen times the impact on the environment as a person in India," Goldman commented.

Gallagher argued that the world has not advanced materially, and that in fact the actual purchasing power of the average individual has declined in recent years, which he claimed indicated that the globe was slipping into a state of depression. According to Gallaher the monetary crises which have confronted the Western world over the past few years have been followed by periods of austerity. He remarked that following the most recent crisis last week a number of European nations introduced so-called "Austerity Programs," a name which he felt was an admission on the part of these countries that their standards of living had been reduced. This last point was challenged by Goldman, who stated in his rebuttal that the monetary crisis had not let to austerity, but rather to a boom, and that he could not discern any "tightening of the belt." In either Europe or Japan. According to Gold- man, people now are as well off as they have ever been, a fact which he feels is perhaps the best indicator of the state of the capitalist economy.

However, he noted that eco-

nomic growth will lead to prob-

lems if it keeps going at the same rate. Goldman rejected the abo-

dation of capitalism in favor of a socialist system as a solution to these problems. In a system in which the state owns everything, he argued, obstacles such as pol-

lution should theoretically be under the control of the govern-

ment. However citing the Soviet Union as the best example of a non-capitalist state, Goldman pointed out that pollution in the USSR is, in many respects, worse than it is in the US.

Gallagher, on the other hand, contended that socialism was needed to overcome the prob-

lems facing the world. "Cap-

itallists are no longer prepared to modernize the means of production."

"Bad as capitalism has been," Goldman declared, "there seems to be little but blind faith to believe that any other system can do any better."
Technical Notes

Technical Notes is intended as a service to the students and faculty in the engineering and scientific disciplines. The column will report technical advances, innovations made by investigators at MIT or in industry. The draft will be sent to as many as possible and be modified techni- cally and in language. Product information is not published as advertising but rather to provide information to members of the MIT community who might be unfamiliar with the product. Any individual or group who is interested in having an advance or finding reported in Technical Notes is urged to send a summary to The Tech, to be noted and printed selectively.

UNIVERSAL OIL PRODUCTS COMPANY (UOP) announces that the first new technology to be utilized to combat the fast depleting natural gas reserve is with processing tar sands. Tar sands have been utilized commercially but capital costs are high and production of construction and operation problems.

Technology is currently available to permit utilization of coal burdensome plants that guilty and are currently operating in other countries, though the product quality is slightly less than xynec oil, and this is the area where UOP is working. Production of liquid hydrocarbons is also feasible, a possible start producing not only SNG but also synthetic crude. The feasibility of producing synthetic crude from all sorts of lignite is recognized.

The results of a questionnaire on the MIT-Wellesley Exchange has been analyzed and made available to the Institute community.

Organized by Jane Sauer, Administrative Assistant to Dean Robert Holden, the report examines every detail of cross registration, from curricular activities to the effect of ELP on a person's decision to take the course.

The 75-page report simply lists the questions from the survey and gave the compiled statistics on each. The survey consisted of three parts. Part I for people who have had some experience with the exchange; Part II for people who had never taken a Wellesley course; and Part III, for all respondents.

Answers for Part III were listed by groups of exchange participants, other respondents and totals. Of the 895 respondents, 240, or 25.5% had some previous experience with the exchange. It is not known how this compares with the campus-wide percentage.

In general, people who had cross registered were more enthusiastic than those who had not. For example, Part III, Section 1 asks, "Do you think MIT as well as Wellesley is a good idea?" The responses range widely from "I think exchange is absolutely a good idea," to "well, I would have liked it to have been that way," to "I don't know." A total of 123 people, 13.7% of the total, were of the opinion that they had been improved, improved; unchanged; downgraded; strongly downgraded. Among the exchange participants, 51.9% thought that the program was "strongly improved," while only 21.8% of those in the "other respondents" group thought so. However, 59.0% of the non-participating did think that MIT had been "improved," with 39.5% of the exchangees agreeing.

Sue said that she had no idea of the response that she would get, but the conclusions that would be voiced before she actually started tabulating the figures. "People come in all the time and ask questions, but you can't get any indication from that," she said.

A tall two-thirds of the report gives over to comments from the students. This section reads like variations on a theme: the MIT-Wellesley Exchange is a good idea. Even those who did not themselves want to take a Wellesley course said that their friends had been greatly en- thusiastic by the program. Perhaps that reason they thought it should continue.

One other interesting thing that came out of the study was the reasons that people do not take Wellesley courses. Almost a quarter of those who responded to the question said that they thought that taking a Wellesley course was too much bother. Still, a sign of MIT life, the largest group of those, 32.7%, said that there was never room in their schedule.

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Wednesday, February 28
3:15 P.M. Room 9150

"Joyful Technology and the Poets"
Professor John O'Neill, Sociology, York U., Toronto

Responses: Kurt H. Wuff, Sociology, Brandiefs Carl Oglesby, Humanities, MIT

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Although both were losses, the MIT gymnastics team had two good meets last week. Against UMass they lost 137.6 to 115, and against Dartmouth it was 133.1 to 128.2. The MIT score against Dartmouth was the highest score ever attained by an MIT gymnastics team.

The individual standout in both meets was Jarvis Middleton '74. Against UMass his 7.95 on the rings took a stunning first place, and against Dartmouth he scored 8.5, the highest individual score by a Tech gymnast all year. Unfortunately, Dartmouth's Mike Pancoe took first with 9.45.

Both meets had to be rated as good performances for the gymnasts, with the score differential mainly due to an improvement on the last two events in the Dartmouth meet. First off there was the gain of three and a half points on parallel bars. Larry Bell's '74 7.75 against Dartmouth took first, while sophomores Curt Tjernlund's pleasantly surprising 6.35 tied him for second. The high bar team produced an even bigger jump of almost six points, with John Austin '74, Bell, and Neil Davison '74 all scoring in the sevens.

Along with Middleton's ring performance, the rest of the ring team was great. Against UMass they were the closest of any event to winning, down by only three tenths of a point. Against Dartmouth Bell and Jon Johnson '76 finished their sets with double backs to score their highest scores ever, and Dave Mil- man '73 became the first Tech gymnast this year to score in the eights on an event other than vaulting.

The other three events were uniformly fantastic. At Dartmouth both floor exercise and pommel horse scored their highest of the season. Sophomore Brian Barrett's 7.4 and Bell's 7.55 led floor exercise, while the 7.64 Dennis Dukos '73, his highest ever, topped the Tech horsemen. Vaulting was normal; they scored fairly consistently every meet.

The disappointing aspects of the meets were the two final results. The gymnast's record is now 3-5, so with one dual meet left, they have clinched a losing season. This is the first losing season in the four years that Bob Lilly has been coach. His career record here is 22-13.

This Saturday's home meet against New Hampshire, and the New England's the next weekend close out the season for the Tech gymnasts.
In a time when several MIT athletic teams are breaking losing streaks, the wrestling team Wednesday chalked up another victory, their 4th straight and the 7th out of their last eight meets.

Now, with a reputation 11-6 team record, Coach Witt Charmers can look forward to his 11th winning season in eleven years as wrestling coach. That says something about Chamer's

The team record says something about this year's wrestler who, it was reported by Mike Mc Naughton (The Tech, 12/1/72), "would have a long way to go this season." The team got there in spite of his discouraging re-

necinct which fell Wednesday, February 14. Coach Chamer's grapplers by the impressive score 36 - 7. At 146 pounds, Jack Montgomer 73 safely accepted a forfeit. Jon Backlund 73 at 130 was clipping his hands as he took his opponent down, and broke pinned him, but had to settle for a 12 - 3 victory.

Wrestling two weight classes above his usual 118 since the beginning of January, Ed Hanley 74 wrestled in the 136 class and beat his opponent (A. Flaherty) 6 - 1. Hanley started out slowly but rose to the occasion and notably whipped Flaherty with a blend of smooth moves. Joe Archibald 76, at 142, ran away from U-Con's Renne for a one point win, and eventually won 2 - 0 in a close match. At 150, Rich Hartman '74, who hadn't eaten the training meal so could get down to 142 for Friday, looked weak but finally recovered and pinned his man 2-12.

Sneakiest and sturdy Dave Horofsky 73 nearly outwrestled his opponent 6 - 0 in the 138 class. Loren Desouza '75 at 167 was almost incorporated, of the 7 - 1, and Fred Linderman '74 subdued his man, Collins, 6 - 2 at 177. Joe Tavormina '76 has been wrestling well at 190 even though he weighs only 175; but didn't catch a match to give U-Con his only points. And finally, Erland van Lidth de Jeude '76 (Petrucci), unexpectedly forced his opponent into a head- and pinned him to 30 seconds.

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