MIT signs $8.5M research pact

The agreement calls for MIT to receive between $500,000 and $1 million the first year, between $1.5 and $2 million the second year, and between $1.9 and $2.2 million each of the last three years of the pact.

Twenty percent of the funds will be available for unrestricted microbiological research by MIT, according to Adler.

The agreement with W.R. Grace is part of a welcome trend of increased corporate sponsorship for basic university research, said MIT president Paul E. Gray '51.

MIT is receiving funds “that will help replace reduced government support” (Please turn to page 2)

MIT cutting 400 jobs to reduce budget deficit

By Barry S. Surman

MIT will trim about 400 jobs from its payroll in the next three years, in an attempt to cut its operating budget by $11 million.

The 15 percent reduction in administrative and support services will be made by cutting programs as well as personnel, according to Senior Vice President William R. Dickson '56.

The Office of the Dean for Student Affairs (ODSA), Student Financial Aid Office (SFAO), libraries, and medical department are among the areas facing the axe.

The cuts will not be applied uniformly to all departments, Dickson said, but will be made based on evaluations of individual programs. No decisions on specific cuts have yet been announced.

About half the personnel cuts will be made through normal attrition, Dickson estimated. The remaining jobs will have to be (Please turn to page 2)
MIT to cut 400 admin. jobs

(Continued from page 1) elimination by layoffs," he said. Director of Student Financial Aid Leonard V. Gallagher '54 said Institute support for scholarships from general funds will increase by over 25 percent this year despite the cutbacks. Gallagher doesn't yet know how large the administrative cuts his office faces will be, or how they will affect the services SFAO provides.

Dean for Student Affairs Shirley M. McBay was not available for comment on how budget cuts will affect ODSA's programs. The Dean's Office is responsible for campus housing and dining programs, student activities, undergraduate academic support, some counseling services, and the Institute's residence/orientation week programs.

Provost Francis E. Low and MIT, Grace sign pact for $8.5M

(Continued from page 1) mental support," said Grace senior vice president Robert J. Kunze.

Four professors will represent MIT on the committee: Maurice S. Fox, Lester Wolfe '79 Professor of Molecular Biology; Robert E. Cohen, Professor of Chemical Engineering; Christopher F. Walsh, Professor of Chemistry and Biology; and William G. Thilly '67, Associate Professor of Genetic Toxicology in the Nutrition and Food Science Department.

Dr. Joseph W. Rakis, Dr. Martin B. Sherwin, Dr. Gerald G. Loeb, and Robert E. Kunze will represent W. R. Grace on the research committee.

The deans of MIT's five schools are reviewing academic budgets for possible additional cuts. The cutbacks are being made in reaction to an estimated $2 million deficit in fiscal year 1982. The fiscal year ended June 30.

The MIT budget for the previous five years was essentially in balance, Dickson said.

Without budget cuts, Dickson said, larger deficits would be likely in future years, due to "the lag between growth rates of revenues and expenses."

The Institute must simultaneously reduce expenses and find new sources of revenue to prevent such deficits, Dickson said.

Other administrative depart- ments affected by the cuts include physical plant, information processing, campus police, safety, alumni operations, and the offices of the president, vice presidents, and provost.

Industry ties examined

By Tony Zamparuti

The new agreement between MIT and W. R. Grace is one of a spate of recent research and funding ties between universities and corporations. Government funding for university research has decreased and corporate interest in university research, especially in microbiology, has greatly increased.

Under the Institute's agreement with Grace, MIT can choose to grant either free, non-exclusive patent rights or limited, exclusive rights to the corporation. MIT will decide its policy at the beginning of each Grace-sponsored project.

In addition, Grace will have pre-publication rights to sponsored research. The projects will be proposed by MIT faculty and chosen by a committee of four Institute and four Grace representatives.

Participants from five large re- search universities—MIT, Harvard, the University of California, Stanford, and the California Institute of Technology—and from several corporations discussed potential problems and conflicts arising from such ties at a conference last March in Pajaro Dunes, California.

The final statement from the conference described some of the tentative issues and conclusions discussed at the conference.

"If not carefully managed, these patterns of affiliation among university faculty, universities and industrial firms, beneficial though they may be to the transfer of technology, may lead to serious difficulties," warned the statement. "It is important that universities and industries maintain basic academic values in their research agreements."

Participants at the conference disagreed on guidelines for patent agreements with corporations, reported MIT President Paul Gray '54 after the conference.

Participants disagreed whether or not universities should grant the exclusive patent license rights in return for research funds.

The statement also warned: "It is important that universities not influence the nature of the research proposed by their professors, postdocs or graduate students by pressing them to do work of potential commercial importance or to become involved in other commercial activities."
World

Britain to defend her firms against US pipeline restrictions — The British government announced Wednesday it would try to protect companies against American penalties if the firms choose to defy the Reagan Administration's ban on the sale of US-licensed equipment for the proposed Soviet gas pipeline to Western Europe. Spokesmen for the Conservative Party government, noting the government would not order companies to defy the ban, felt it could not interfere in the affairs of private companies by forcing them to take action which could lead to a costly legal battle with the US. The company chiefly affected by the US ban, John Browne Engineering, is continuing to work on its pipeline contract, the production of turbines worth about $200 million.

Nation

Reagan predicts slow recovery — At his press conference Wednesday evening, President Reagan announced that although the present economic recovery will be “more or less permanent,” it will also be a slow one. "It's slow now," he added. He placed part of the blame for the slow growth upon Democrats in Congress, asserting that recovery would have been much faster had they approved all of his proposed budget cuts and passed the income tax reductions exactly as he proposed them. Reagan also blamed the Carter Administration for the state of the economy, calling our economic troubles "the direct result of the mistakes of the past."

Reagan downplays pipeline controversy — The President described the conflict with Western Europe over the sale of US technology to the proposed Soviet pipeline as "a fight inside a family, but the family is still a family." He added, however, that the Administration would approve the continuation of the sale of American grain to the Soviet Union. On other foreign policy questions, the President expressed uncertainty as to the possibility of a summit meeting with Soviet Premier Leonid Brezhnev in the near future, said he wanted to develop US-China relations while adding that he would not abandon "our longtime friends and allies on Taiwan," and defended this week's decision to certify El Salvador for continued US aid.

Volcker sees higher budget deficit — In testimony before the Senate Budget Committee, Federal Reserve Chairman Paul A. Volcker backed the budget forecast issued by the Congressional Budget Office (CBO) which showed a budget deficit nearly $40 billion higher than Reagan Administration forecasts. Volcker estimated the federal government would have to borrow about $100 billion by the end of 1982 to cover spending. This estimate was confirmed by the Treasury Department. The CBO presented its forecast, which estimates next year's deficit at $140 billion to $150 billion as compared with the Administration's $114 billion estimate, on Tuesday before the Senate Budget Committee. The CBO further predicts deficits through 1985 ranging from $140 billion to $160 billion. The Administration, however, predicts a $100 billion 1984 deficit and a $70 billion 1985 deficit.

House links draft registration to student aid eligibility — The US House of Representatives, by a 303 to 95 vote Wednesday, approved an amendment to the $177.1-billion military authorization bill which would prohibit students who have not registered for the draft from receiving financial aid from the federal government. The Senate has already passed a similar measure. Critics of the amendment argued it would create enormous problems for the Education Department and the universities administering federal loan and grant programs. Some representatives argued this action discriminated against poorer students, allowing wealthy students who could attend college without federal aid to ignore draft registration. A proposed amendment allowing students to register for the draft at the time they apply for financial aid was defeated 241 to 161. Approximately 700,000 eligible Americans have not signed up since registration was reinstated in 1980.

Student Sale

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Used Student Desks $50 and up

Michael Shimazu
ResBook misrepresents
Food trucks sorely missed at lunchtime

To the Editor:

It has recently come to our attention that the Class of 1986 will be arriving soon. (Gee, I feel old.) (Me too.) So, the Dean's Office, in its usual, trulyượt, decided to send out a book to all the freshmen telling about all the neat places to live here at MIT.

Naturally, it isn't possible to give a completely accurate picture of each living group in this book. For instance, it's not a good idea to have Delta Tau Chi bringing that they can outdrink Ruttle House, as all living groups were requested not to mention alcohol in their presentations. Well, a few living groups did have some reference to alcohol in the text, or pictures of people with drinks, and in general, it looks like the Dean's Office decided to be pretty mellow about it, because there aren't many of these actually got published in the book.

But, to be fair, they do see fit to "reserve editorial prerogatives" in the case of Senior House. The house motto, "Sport Death," which has appeared in the book in previous years, and never seemed to cause much of a reaction in people beyond puzzlement, has been barred from the book. According to an article in The Tech (6/1/82), this is apparently because the phrase "Sport Death" is "potentially embarrassing to the Institute or offensive to freshmen or their parents." Well, if the reader of this book is future MIT student, then he is bound to hear the phrase eventually, so the embarrassment shouldn't be a concern in this case.

I guess this means that it's offensive. Well, that's the whole point of this publication is to give the Class of 1986 some idea of just what each living group is like. Sure, maybe someone would see the phrase and get a little turned-off and not check the place out. Well, fair, the place he'd visit instead would probably be more to his liking anyway. That's what impressions are for. By the same token, somebody else won't visit Ms Goo Gamma Foo because they all seem like macho jocks. Contra to Dean Sherwood's wishes, "an environment that all students will be comfortable in at every dormitory" simply doesn't exist. That's called diversity. That's why we have Rush Week. Bob. Well, that's sort of the idea. Not that rudi- pulous people are anybody's intent, but that the whole presentation gives an impression. And in the case of Senior House, "Sport Death" was supposed to be part of it.

So, basically, some house offi- cers, residents, and groups of Senior House are concerned about the Dean's Office decision. Some people "wondered if it was drug related."

Jean J. Cote '83

To the Editor:

The purpose of this letter is to call attention to our distress at the presentation of the food trucks from Mass. Ave. At least, we would like an explanation of this.

There are a number of reasons why we think the trucks should be allowed to remain.

Compared with the cafeteria food service provided on campus, the fare available at the trucks is quite simply, better. There is a wider array of choices, the food tastes better overall, it is portable for those of us who eat lunch on the run and it is more economical. Also, as epitomized by the example of Andy (the man who oper- ates the hot dog cart), the service is friendly and fast. Generally, the financial well-being of the people who serve food from the trucks is dependent on how much business they do and because of this, we think they try hard. Unfortunately, some people still think of the food from the trucks as "food on the run" and not part of our dining options.

We all are asking for is the op- portunity to choose, within a rea- sonable distance of our work place, what we eat for lunch.

Shelly Fitzgerald
Edward Koell
Robert Peisch

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The Tech (ISSN 0148-9607) is published twice a week during the academic year, and weekly during the summer. The Tech is published in the Central Massachusetts area, Monday through Saturday for the academic year, Monday through Friday for the summer. The Tech is a member of the College Media Assn., and is supported by advertising and subscription revenues. Copyright 1982 The Tech. Printed by Charles River Publishing, Inc.
In the next week or so you will be receiving your Financial Registration Form which lists your expected charges and credits for Fall Term 83-84. In the next spring term freshmen will receive a printed sheet of their equivalent grades from the Registrar. The hidden grades are intended to be seen only by the student and his or her advisor.

The CEP considered changes to the freshmen pass/fail system for much of the last academic year. The proposed changes are "stretching the concept of pass/fail a bit," noted Felix Villars, Chairman of the Faculty. "There's considerable sentiment in the faculty that two terms of pass/fail are excessive."
Linda Fratianne is now playing at the Medieval Manor on Turned-on Broadway. It's a great place to spend an evening. 

The Medieval Manor, 370 Commonwealth Avenue, Boston, 262-3144.

The minstrel came out to escort us in. We were brought down into the dark recesses of a basement restaurant/theatre just off of Mass. Ave., and into the dark recesses of a basement restaurant. The tremendous success of the programming in video brought a flock of audio follow-ups.

The Medieval Manor Music and Dance is a spectacle you won't want to miss. The minstrel comes out to escort us in, and the owners are friendly. The food is excellent: tasty, suitably medieval, and filling. The entertainment fun: song, play-acting, and royal courtliness. One comes away most uplifted by the whole thing — even if the immunity is not total. (There's no accounting for taste)

Hooked on Classics II, Louis Clark conducting The Royal Philharmonic Orchestra on RCA Records.

*Stuart Gitlow*

**Hot Space, Queen on Elektra/Asylum Records**

Rarity have groups been capable of attracting both rock and disco fans to their albums. Queen has apparently done just this with Hot Space. The first side of their latest album is pervaded by bass rhythms, quite familiar to funk listeners but only occasionally heard on albums oriented rock (AOR) stations. Rapidly rising on the charts from this section is "Body Language," released in April to pop, AOR, R&B, and dance music radio stations. Freddie Mercury acts lead vocalist and Brins May on the guitar even manage to add heavy metal flavor to many of the songs — but not too much flavor: just the right touch.

Side two starts a change of pace as we listen to Queen's tribute to John Lennon, "Life Is Real." Memorable lyrics as "Life is cruel/Life is a bitch/Life is real — so real" appear in this cut. Rock groups seem to get a kick out of incorporating lines of foreign languages within romantic ballads; Queen makes the record a fun way to learn the titles of compositions you've probably heard many times before.

The album includes "A Night at the Opera," "Hooked on Baroque," and "Tales of the Vienna Waltz." Definitely worth your attention. Hooked on Classics II is a step above the rest of the medleys.

Enjoy.

*Stuart Gitlow*

**Medieval mannerisms**

The Medieval Manor, 370 Commonwealth Avenue, Boston, 262-3144.

The minstrel came out to escort us in shortly after 8pm. We were brought down into the dark recesses of a basement restaurant/theatre just off of Mass. Ave., and greeted by the court jester and the oaf (just ask him), and shown to our table. Although it was a slightly tight fit, the chairs were comfortable, and the atmosphere relaxed. 

Soon thereafter, the entire "company" (the king, the minstrel, the jester, the oaf, and all the wenches) greeted us in song. Then came the food and drink. All you can eat, and all you can drink. First came bread and cheese (and cider, wine, and dark beer), then soup. Then more song, and more food. And more drink. And more food. And more song. And so on.

And so the evening progressed. The food was excellent: tasty, suitably medieval, and suitably filling; the entertainment fun: song, play-acting, and royal courtliness. One comes away most uplifted by the whole thing — even if the immunity is not total.
Lack of Technique

The MIT Community Players present

High Spirits, a musical comedy by Hugh Martin and Timothy Gray, based on the play Blythe Spirit by Noel Coward. The play will be shown on Thursday, Friday and Saturday from July 29 to August 14, plus a Sunday performance on August 8. All shows are at 8:00 pm in the Kresge Little Theatre. Tickets $5, $4 with MIT ID. For reservations and information call 253-2530.

The MIT Experimental Music Studio will present a free concert of New Music for Instruments and Computer-Processed Sound, on Friday, July 30 at 8:00 pm in Kresge Auditorium. Admission is free and open to the public. For information call 253-2905.

This weekend’s LSC movies:

Murder She Said, Friday, 7:00 in 26-100.
Witness for the Prosecution, Friday, 9:00 in 26-100.
Norma Rae, Saturday, 8:00 in 26-100.

The Brood, the Midnite Movie, Saturday July 31, second floor of the Student Center.
HARVARD COOPERATIVE SOCIETY
MIT Student Center

A Century of Service 1882-1982
I ting together last year than we did in the 30 previous majority, in the House and the Republican majority in the Senate? the field of improving business, in the gram comes out to its completion, we would have to figure competitive in the world as far as future trade is concerned.

Q: What about funding for research—research at universities, for an education—most of those in the poorer class that about 25 percent, or of 12 ous for the nation.

A: I believe there are 22 colleges and universities— About that in my district.

We've devoted much of our research and development to military might....

Q: If the President's program, or something resembling it, is enacted, how do you think it will affect—

A: We've devoted too much of our research and development to military might, and not enough research and development in the field of health, in the field of improving business, in the field of making us competitive in the world, on which we're concerned.

Q: How confident are you that you'll be able to defeat the President's program, given the narrow Democratic majority in the House and the Republican majority in the Senate? A: Well, if the bill were to stay together, I don't have a majority in the House. I do have a majority in the Senate. But we know that the Democratic party had a higher percentage of vot ing together last year than we did in the 30 previous years....

Tip O'Neill on education, politics

By Barry S. Surman

Thomas P. "Tip" O'Neill, Jr., Speaker of the U.S. House of Representatives, has represented Massachusetts' eighth congressional district since John F. Kennedy gave up the seat in 1947 after winning a term in the House. The Speaker has carried his district, which now includes Cambridge, Ros en's Beach, Revere, Revere Shore, South End, and Fenway, Allston, Brighton, Somerville, Arlington, Belmont, Watertown, Waltham, East Boston, and Charlestown, with at least percent of the votes cast in each of the last three congressional elections.

Q: Mr. Speaker, the President's economic program relies largely upon cuts in entitlements to reduce the federal def ec ts. How will you vote in favor of higher education, and how likely is the Congress to go along with the proposed cuts in student programs?

A: I would hope that the will of Congress at the present time is that we wouldn't go along with this proposal of further cuts in the field of higher education. But [President Reagan] has been very, very persuasive in the past and the student lobby is only coming into being, and America really acts to the will of the American public.

So his proposal for the future of Congress, I wouldn't expect to do and hope to do the same as he did in the social security. If your dad died ... and you were re ceiving social security, you had an automatic education built into the social security system. That has been elim inated. Only those who have gone to school after May 1 of this year are eligible for the social security grant that had been in effect since 1965 and, as you know, that is being reduced. It's true that, if you get an education, the first year this will, only get 75 percent the next year, 50 the next year.

He has the same intent with regards to the Pell Grant, which is only for the poor student, on the basis that they should have an equal opportunity to compete in the world. That has been eliminated in the nation and should get it out of the general edu cation program.

The whole program is completely disturbing to our edu cational system, and particularly me. I believe that educ ation is the greatest asset that this nation has and it's the greatest resource that we can rely on for the future. What he's doing to this program, first of all, is he's behind West Germany and Japan today in technical abilities and skills; some people estimate that we're about 10 to 20 years behind them. To be tinkering and spooling and de stating the student loan program at this time is disaster ous.

Q: I believe there are 22 colleges and universities— About that in my district.

France has said that the greatest asset that America has and it's the real acts to the will of the American public.

Q: Well, do I play a part in what our alternatives are going to be? The answer is yes, I play a part in what the American public says they want. We never felt that we were the party that was defeated by the American people, because the American people saidatisfied with the American people.

Q: You were once a member of the Cambridge School Con vention?

A: Many years ago.

Q: What is your view of the future of public education, es pecially in urban areas, in the next 15 or 20 years?

A: Well, I've got so many domestic problems, that isn't one that I've really looked into to be perfectly truthful.

Educationwise there's no question that the local schools are going to be badly hurt .... from their libraries right down to their food programs, their nutrition programs, and their vaccine programs that they had in the schools, and those are being severely hurt.

I don't know if that answers the question broadly, but I haven't been asked that before and I haven't given it that depth of thought, to be perfectly truthful.

Q: Since attempts to move a constitutional amendment re quiring a balanced federal budget through the state legisla tures failed, supporters of such an amendment have urged to Congress to call a constitutional convention. How do you feel about the proposed amendment?

A: We were within three votes of having a constitutional amendment for a balanced budget. On the face of it, everybody is for a balanced budget. But those who were re porting a balanced budget, the Javins and people like that, who were reporting in the same, they threatened a three-year tariff, because by having a balanced budget, you're going to have a cut in the GNP for a period of little America, of the poor, and of moderate America.

If you were to have a balanced budget in this country on the basis of the amendment that they had asked for, higher education in America would be destroyed. All of those who are in the ecosystem of a military com plex, and you lower taxes at the rate that you're going, and I think it would be devastating.

A: I think a constitutional convention would be the most devious thing that this nation could have. It would bring up birth control, it would bring up busing, flags in the schools—pray in the schools, rather. It would bring up a million things.

FRIDAY, JULY 30, 1982
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Councilor says MIT condo buy unlawful

By Tony Zamparotti and Monica Menis

MIT's recent purchase of eight townhouses in Cambridgeport violates two city council resolutions, one binding and the other non-binding. Cambridge city councilor David Sullivan '74 claimed.

Walter Milne, Special Assistant to the President for Urban Affairs, contended neither claim is valid and MIT's purchase was legitimate.

In 1981 the city council passed the "Institutional Expansion Ordinance," prohibiting non-profit institutions from building dormitories in specific residential areas including the location of the new townhouses.

The resolution defines "dormitory" as any housing for institutional affiliates who are not permanent residents, Sullivan said.

The townhouses will be sold or rented to members of the MIT community who are permanent residents, Milne said.

In 1980 the city council unanimously passed a resolution asking MIT to refrain from purchasing land in the Cambridgeport Industrial Area, which included MIT's Simmons land, until the Cambridge Planning Board finished a zoning review.

MIT sent a letter to the council in March 1980 pledging not to purchase land in the area for one year during the zoning review.

The review ended about one year later, but the city council has not been able to pass any zoning change for the area.

"MIT is morally bound" not to purchase property until the city council changes the zoning, Sullivan contended. "The reason the city council didn't do anything is because MIT lobbied us," he added.

MIT is not being fair or cooperative in proceeding with development of the land, including the purchase of the townhouses, with the "excuse that zoning plans are not happening, when in fact the rezoning is being worked on," city councilor David Wylie said.

"We jumped the gun," Richardson said. The Handbook contended that since the planning board study has been completed, the Institute is no longer bound by its letter or the 1980 council resolution.

MIT purchased the townhouses from the FAR Group, the Institute's sixteen units in the development should be completed in the fall.

As a result of a mistake made by the USASO, this year's Freshman Handbook describes the proposals in having already taken effect, and states, "Instructors will give you letter-grade equivalents as part of your end-of-term evaluations."

"We jumped the gun," Richardson said. The Handbook should have stated "may" rather than "will," according to Richardson.

(2) The Tech's been keeping in touch with the Tute...

The Tute's been keeping in touch with the Institute for over a century — covering issues both on and off campus that affect MIT students. From the future of student loans to the future of pass/fail grading, from fun on the football field to fun in and around Boston and Cambridge.

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The Brothers of PHI SIGMA KAPPA

Welcome
The class of 1986.
We look forward
To meeting you after
The freshman picnic.
Be sure to join us for
Our Rush Activities.
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Enjoy the rest of the summer.

MIT recently purchased condominiums on the corner of Sidney Street and Putnam Avenue.

Keep in touch with the 'Tute...