

Mattfeld new assoc. dean of students

Dr. Jacquelyn Anderson Mattfeld has been appointed associate dean of student affairs.

Dr. Mattfeld will assume primary responsibility for the women students at the Institute. She will deal with the needs of the approximately 220 women students over the complete range of Institute affairs.

In addition to personal and academic counseling, Dr. Mattfeld will assist in the development of future aca-



Mrs. Mattfeld

demically, and extracurricular programs for the increased number of coeds.

At present, Dr. Mattfeld is associate dean of instruction and dean of East House at Radcliffe College. At Radcliffe, she has also worked as director of financial aid and in admissions, student counseling, and student activities.

She is also a lecturer in the Music Department at Harvard. Originally from Baltimore,

Maryland, Dr. Mattfeld received her B.A. from Goucher College. She studied music at the Peabody Conservatory of Music and, in 1959, earned a Ph.D. in music history at Yale University.

For 11 years she taught music at schools in Maryland, Connecticut, New Jersey, and New York. From 1956 to 1958, she taught music theory and set up the music curriculum for the preparatory department at the New England Conservatory of Music.

Bexley Hall to become men's dorm; expiring leases not to be renewed

Bexley Hall will become a student residence for men in the fall.

Bexley now comprises four sections, one of which houses women students. Of the remaining apartments, some are leased by students.

The Institute is not renewing any leases that expire before August 31. Thus these apartments, as well as those vacated by the

coeds, will become available for use.

As this will not provide enough room for the 150 men who will be without adequate accommodations, the Institute hopes to use most of the other apartments as well. Vice-president Philip Stoddard has sent a letter to all residents, whose leases do not expire by August 31, requesting that they vacate by that date. It is not expected that persons with extended leases will be forced to leave.

It is reported by Dean Kenneth Wadleigh that there will be no renovation, and Bexley will remain much as it is now.

Accommodations now consist of double and triple apartments with kitchenettes. Coeds in Bexley are charged \$220 per term.

Coeds and married students who are leaving Bexley will be provided housing at the new women's dormitory and the new married students' apartments.

Present plans call for the housing of 75 to 100 men in the Bexley auxiliary dormitory.

Center construction approval

By Alan Weinstein

Construction of the Student Center has been authorized, and a ceremonial ground-breaking will be held May 15 following the annual Awards Convocation.

Work on the new building will start as soon as engineering designs permit, probably before the end of the summer. Construction is expected to require 18 to 20 months.

Four organizations—Stouffer's, Schrafft's, Wilbur's, and The Brass Rail—are being investigated and interviewed by the administration for the rights to operate all of the dining facilities in the center.

Stouffer's now runs the dining

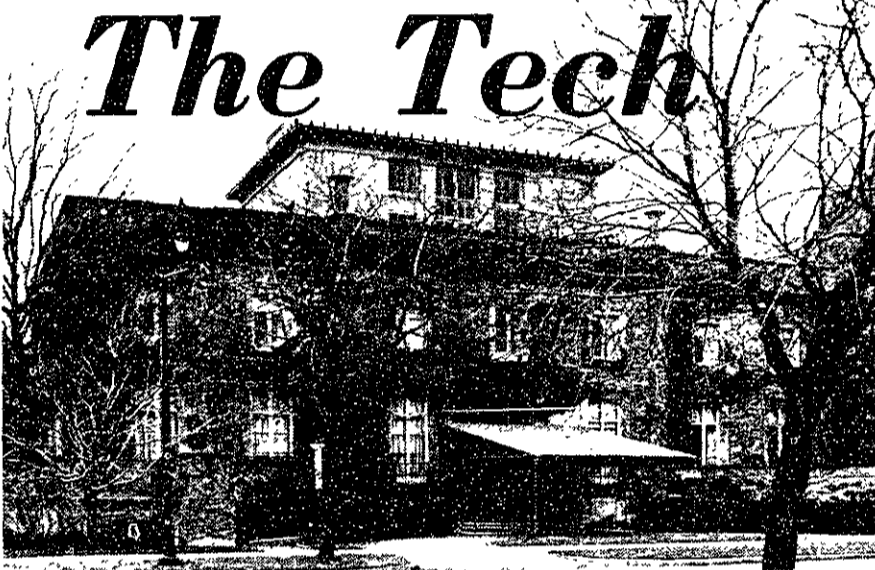
rooms in the dormitories and Walker Memorial. Wilbur's provides dining services in the Boston University Student Union.

Besides the Tech Coop, which will occupy a large portion of the ground floor, other commercial organizations have not yet been selected for the Center.

The new building, designed by Professor Eduardo Catalano, of the Department of Architecture,

in association with Brannen and Shimamoto, Cambridge, will be located between Kresge Auditorium and the Du Pont Athletic Center. It will be the fourth building started under the Second Century program and will cost about 4.6 million dollars.

To be the second largest building in the Second Century program, the center will have 150,000 square feet of floor space.



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Woman beaten, left in rape attempt on Drive

(Special to The Tech)

A rape attempt was made in a car in front of Baker House about 3 am Tuesday.

According to Sergeant Olivieri of the Campus Patrol, the car had been traveling west on Memorial Drive when a woman either jumped or was pushed out at Endicott St., across from Dean Fasset's residence. The car turned around and stopped at the intersection but sped away with lights off when the occupants saw Olivieri and Patrolman Leger, who had been investigating a prank behind Baker House.

The woman, identified by the Boston Traveler desk as a 35-year-old South Boston socialite, had been badly beaten. Hysterically she related how two men, posing as plain-clothes detectives, had tricked her into the car in Boston, driven to Cambridge, and tried to rape her. She was taken to Massachusetts General Hospital but was discharged several hours later in good condition.

Leger and several Baker House residents who witnessed the scene described the car as a "late model Chevrolet, white or light-colored." A license number was pieced together from various reports and is now being checked by Metropolitan District Commission police.

The two men were described as being over 35, well dressed in business suits. No MIT students were involved.

969 pints donated in MIT Blood Drive

A total of 969 pints of blood were donated by the Institute community in the 1963 MIT Blood Drive, April 1-4. This compares with 1168 pints donated in the 1962 campaign and 654 in 1961.

Of the 1161 persons offering donations, 192 were rejected.

506 students gave blood; faculty, staff, and employees' total was 463 pints.

Harvard's blood drive will take place April 15-19 from 10:45 am to 4:45 pm in Memorial Hall. Any MIT student under 21 who was unable to obtain parental permission by April 4 may donate in the Harvard drive and have the donation credited to MIT.

2000 Explorer Scouts to visit MIT

About 2000 Explorer Scouts will visit the MIT campus April 27. The visit will be sponsored by MIT's Alpha Chi chapter of Alpha Phi Omega, a service fraternity.

The high-school age scouts from as far away as Maine and Maryland will attend a special program of lectures and will tour the Institute.

General sessions for all boys attending the conference will be in Kresge Auditorium and will include lectures by Prof. George Bekefi and Prof. H. Guyford Stever.

Boys staying overnight will be quartered at nearby Boy Scout camps.

Guides are still needed to direct the boys around the Institute on Saturday afternoon. Interested persons should contact Roy Dewhirst at extension 3261 for details.

New registration card to be issued

A "more official looking and attractive" registration card will be issued this fall, according to Registrar Robert Hewes.

The present International Business Machines card will be modified to include a new version of the present registration certificate and a student activities card.

The registration certificate will have new spaces for the student's

birth date and nationality. There will also be a space on the back for attaching one of the student's roll card pictures.

New this year, the activities card will be the same size as the registration certificate and have space for recording activities, living group, signature, and any special information.

Both cards will vary in color from term to term.

Carnival to have over 30 booths

Over 30 activities and living groups will be running booths Saturday evening, April 27, in Rockwell Cage at the MIT Spring Carnival, sponsored by Alpha Phi Omega.

This, the fourth annual carnival will include hamster races, the dunking booth, car-wrecking and a roulette game to be played with gasoline-engine model airplanes.

Also, the Carnival Queen, chosen

by balloting in Building 10 before the carnival, will be crowned.

Trophies will be awarded to the two groups with the most successful booths and to the one with the most original booth.

Each organization sponsoring a booth receives one-third of its income. The remainder of the proceeds will be used by APO to finance its various service projects.

Visiting professor to deliver 15 lectures

Professor Bengt Stroemgren, professor at the Institute for Advanced Study, in Princeton, New Jersey, will be a visiting Institute professor from April 15 to June 15.

During his residence he will give 12 lectures on the theory of stellar atmospheres and will deliver three lectures for the COM-PASS seminar.

MIT activity in Cuban raids questioned

(Special to The Tech)

Juan Calvo '63 told The Tech that he doubts that any of the nine Cuban students at MIT are participating in guerrilla raids on the Cuban mainland.

Calvo, former Boston leader of the Cuban Student Directorate, noted that the leader of the raids, Alexander I. Rorke Jr., is an American. Cubans would rely on Cuban leadership rather than American leadership, said Calvo.

Rorke claims to have had the aid of students from MIT, Har-

vard, Boston University and Boston College. The Boston Traveler quotes him as claiming that an MIT graduate student is manufacturing explosives for his group and is among the seven students who have taken part in the raids. A Harvard professor is also said to be one of the raiders.

Students from these four universities are alleged also to be forming a group to raise funds. Most of them are said to be seniors and graduate students.

Imprisoned by Cuban dictator

Fidel Castro while an NBC correspondent in Cuba, Rorke spoke here April 17, 1962. Much discussion followed the talk, and several MIT students reportedly volunteered their services at that time.

Dean of Student Affairs Kenneth R. Wadleigh reported that he has found no evidence to support the claims of MIT participation. He added that he doubted the accuracy of the story and felt that it was largely for publicity purposes.

71 delegates attend

Conference cost \$3000 under estimates

"As a conference it was a complete success, although we would have wished that more MIT students had taken part," stated chairman Steven P. Kaufman '63 in evaluating last week's intercollegiate conference.

A total of 71 delegates from 33 colleges took part in the 4 day conclave, April 1-4. The delegates included 17 from MIT.

Original estimates of expenses were \$13,000. However Kaufman reported that costs will total only about \$10,000 due to the unexpectedly low number of delegates attending.

The poor attendance lowered

expenditures for travel allowances and housing.

In addition to those who participated as delegates, about one hundred MIT students also served in other positions.

According to Kaufman, 95% of the 55 delegates who answered an evaluation questionnaire given to them indicated that the conference did provide the learning experience it had been planned to.

A booklet containing texts of speeches and discussion notes of plenary sessions will be published and distributed to delegates, colleges throughout the nation, and to any MIT students who desire copies.

In addition, Kaufman reported that tentative plans are being prepared for another intercollegiate conference at MIT next year.

Complete conference coverage on p. 3

Six departments open doors to Frosh choosing courses

Naval Architecture

A demonstration of a hydrofoil craft in waves will be featured at the open house for freshmen offered by the Department of Naval Architecture and Marine Engineering. The open house, Wednesday, April 10 from 4:00 to 6:00 p.m., will be in the Hydrodynamics Laboratory in Building 48.

The primary theme of the Department of Naval Architecture and Marine Engineering has been the design and construction of naval craft and their components for naval, commercial, pleasure, and scientific-research usage.

There has also been a continuing interest in the problems of the management of a shipping enterprise. In keeping with this purpose, the department emphasizes both the application of present scientific knowledge and the development of each student's ability to interpret and apply future knowledge.

The naval architect's work is mainly associated with the different phases of hull design; the engines and other propulsion machinery are the domain of the marine engineer. Naval architects and marine engineers in research and development are usually not concerned with the design of ships as such. Instead they seek by theoretical study and by experiment to improve future designs. Maritime management requires men with backgrounds in naval architecture and marine engineering as well as in business management.

The curriculum followed is designed to present the professional aspects of naval architecture as well as basic scientific principles. Electives allow the student to branch out into his particular area of interest. A thesis is required; it presents an opportunity for independent research. The department emphasizes the underlying basics of design rather than the mere presentation of results.

Has 10,000-word vocabulary

Computer taught to read handwriting

By David Vanderwert

The TX-0 and TX-2 computers can now read and reproduce human handwriting, using programs developed by Prof. Murray Eden, of the Department of Electrical Engineering, and Prof. Morris Halle, of the Department of Modern Languages.

The program for reading handwriting involves a four-step process. The computer begins by analyzing a word which has been written on the screen of a cathode-ray tube with a magnetic pen, resolving the letters into their various elements. Then it makes up a code word that represents the order and position of the various elements.

The computer compares the code word with all those in its 10,000-word vocabulary. Finally, it prints all words which have the same code word as the word written.

Meaning of Code Words

The computer then looks for characteristic dividing the line of writing horizontally into three sections. The middle section includes all letters and parts of letters between the base line and the tops of short letters, such as 'a', 'c', and 'e'. The top section includes parts of letters above the first section, and the bottom section includes the parts below.

The computer then looks for characteristic formations to which it can assign code letters. A closed loop in the center section is indicated by an 'o', for example. A long downstroke is an 'L'. A loop below the line is a 'J'. Other code letters are 'R', for a loop open at the bottom; 'I', for a short downstroke; and 'T', for a long downstroke with a horizontal line drawn through it.

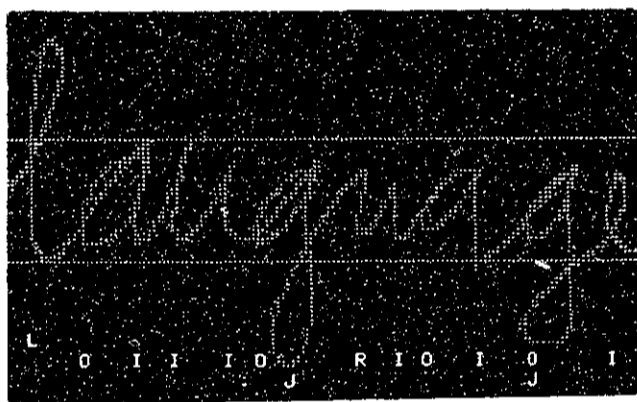
The computer works best with neat handwriting, getting about 70% of the words completely correct. For about 20% of the words the computer finds it has more than one possible selection. In such cases it prints all possible words. Approximately 10% of the words the computer misses completely. As the handwriting becomes sloppier, the computer's rate of ambiguous and missed words increases.

Additional Programs

There are two other handwriting programs. In one, the computer writes out words which have been typed into it. This program was used to write a letter to Prof. Jerome B. Wiesener, science advisor to President John F. Kennedy. For this program, Prof. Eden and Allen P. Paul '60, one of the three students working on the computer programs, devised a distinctive handwriting for the computer.

The other program allows the computer to match a person's handwriting with an almost perfect forgery.

In reproducing written letters, the computer uses four primitive elements of writing — the bar, the arch, the hook, and the loop. The bar is simply a vertical line; the hook is a broad 'J' shape; the arch is a semi-circle; and the loop is a narrow 'J.'



Using the program developed by Professors Eden and Halle and Lester D. Earnest '60 of the Mitre Corporation, the TX-2 analyzes a handwritten word, such as "language," by dividing the word with three horizontal lines. It then breaks the sections into their components and assigns code letters, shown below the word in the photo, to the strokes and loops which make up the word.

These elements can be manipulated by four rules. The first allows them to be rotated; the second allows them to be mirrored; the third positions them relative to a median line; and the fourth determines which is the beginning and which the end point.

Final Steps

With the elements and the rules for their use, strokes can be produced. However, two more steps must be taken to turn them into actual handwriting.

The first step is called collation. In this operation the separate strokes which make up a letter are pushed together to align them into a shape like a letter.

In the second step, generation, the groups of strokes which form letters are transcribed in a steady left-to-right motion, as in normal handwriting.

At present, work is going on to improve the program so that the computer will be better able to judge the words written and to distinguish, for example, between 'd' with the loop carelessly left open and 'cl.'

Also planned is a modification of the program in which the computer will write out all possible words, compare them to the original, and pick the one which looks most like the word as it was originally written.

Programs such as those being worked on now by Professors Eden and Halle may be used in the future, with suitable modifications, for settling cases of handwriting identification in court and for literary scholarship, to determine whether works of questionable authorship were written by the same person. A third application may be in communicating with computers by handwriting.

Economics and Social Science

The Economics and Social Science Department will present an open house tomorrow at 4:30 in the Freeman Room, 52-361. The undergraduate course (Course 14) combines a program in political science or economics with one in a field of engineering or science.

The political science program gives special attention to the growing relationship between government and science. The objectives are: (1) to provide an understanding of the nature of political behavior; (2) to examine the role of government in science and technology and its role in international relations; and (3) to develop familiarity with the techniques of policy formulation and decision-making in issues of public policy.

The objectives of the economics program are threefold: (1) to develop the ability to analyze economic problems of the firm, the industry, and the economy as a whole; (2) to provide knowledge and understanding of economic and social institutions; and (3) to promote skill in examining broad questions of social and economic policy.

After completing the introductory subjects in his field, the student in Course 14 has a great deal of elective freedom. In addition, many of the classes are small, average, encouraging contact with senior faculty members.

Most Course 14 undergraduates regard their social science field as a major and the engineering or science field as a minor.

Although traditionally they have been required to take subjects in one science or engineering department, it may be possible to arrange a sequence in an area like computer science involving subjects in two or more departments.

More than 75% of graduating Course-14 seniors go directly to graduate school. The others either enter business or get a junior professional job in the government.

Economics majors have entered such diverse fields as business administration, economics, and law.

Physics

The Physics Department will sponsor a tea in the Emma Rogers Room (10-340) at 5:00 this afternoon for freshmen interested in majoring in physics.

Course 8 offers a curriculum designed to provide the student with the background necessary to specialize further in physics or to build a career in industry. The knowledge of theory required of the experimental physicist as well as the feeling for experimental physics needed by a theoretician are part of the foundations which the Physics Department tries to lay in the undergraduate program.

Beyond the general Institute requirements, an additional chemistry course (5.60, 5.41, or 5.64) is required, along with 18.05 (advanced calculus for engineers), 6.14 (electronic networks and devices), and a series of courses designed to give a broad background in physics.

The sophomore courses, 8.031 and 8.041, comprise an introductory sequence in the fields of electricity and magnetism.

8.72, taken in the senior year, treats much the same material, but from more sophisticated mathematical viewpoint. 8.08 is the study of various devices encountered by physicists.

8.05 and 8.06 are an introduction to modern physics and the quantum theory. 8.09 and 8.10, taken also in the junior year, are laboratories in atomic and nuclear physics. 8.11 and the thesis requirement provide additional training in experimental methods.

The program is rounded out with 8.711, which applies powerful mathematical methods to classical mechanics, and 8.07, an introduction to thermodynamics, kinetic theory and statistical mechanics.

Architecture

An open house will be given tomorrow afternoon at 4:00 in the Emerson Room (7-403) by the Department of Architecture, one of the original departments dating back to the founding of MIT. Today the department still holds an important position at the Institute, in a separate academic school; in many respects it is unique, both at MIT and in comparison to similar departments at other schools.

The department, under the administration of Prof. L. B. Anderson, offers the undergraduate course 4-A, averaging an enrollment of about 25 students per year. Students come from other colleges and other Institute courses, with a wide variety of previous experience.

No drawing experience is necessary. The course has been designed with the flexibility needed to handle all of the applicants and to provide a comprehensive, and generally terminal, course.

The department at MIT offers a broader scientific basis than most schools; building, mechanical engineering, electrical engineering, acoustics, materials, and structure are all emphasized.

The artistic aspects of architecture are outstanding here. In this area the department has had to create its own subjects, so that the Visual Design Department is not part of a humanities course, but is unique both at MIT and nationally.

At MIT the department is aware of its responsibility to use both the new technology of materials and structures and also the applied arts to produce new and better architectural work.

Metallurgy

The Department of Metallurgy will hold an open house for freshmen tomorrow afternoon from 4:00 to 6:00 pm in the Given Room of the Building 35 penthouse.

An important technology since the beginning of civilization, metallurgy continues to grow as an engineering science as advances in technology call for new metals and other materials. The importance of the field is being recognized at MIT by a new Center for Materials Science and Engineering, which will open in 1965.

The department offers four-year undergraduate programs in both metallurgy and materials science. Each leads to a degree of Bachelor of Science in Metallurgy. Graduate work of the department includes advanced studies and research on selected topics in metallurgy, mineral engineering, ceramics, and materials engineering.

The undergraduate program combines the basic resourcefulness of a small student program with the multiple advantages of an extensive elective system. Since the average graduating class is 25, each student finds a remarkable close faculty relationship. This feature, combined with the 77 hours of electives, allows for extensive opportunities in both research and enriched studies.

The majority of the students in the program take the elective hours in fields outside of metallurgy but in related areas. Unique combinations, therefore, often arise between metallurgy and electrical engineering, chemical engineering, and solid state physics.

The Department of Metallurgy prepares students for key roles in industrial production, research and development, and academics. The definite shortage of personnel in the field precipitates vast opportunities for summer employment.

The Federal Government—How Much?

Price: Research responsible for growth

Research and education are now responsible for a large part of our economic growth, said Prof. Don K. Price.

The dean of Harvard's Graduate School of Public Administration spoke Saturday afternoon at the final plenary session of the MIT Intercollegiate Conference, entitled 'The Federal Government—How Much?'

Said Price, businessmen and politicians are now beginning to demonstrate their belief in science and education by backing it with money. Moreover, science has been breaking down the barriers in our society so that it is becoming hard to tell which areas are in the military and government domain and which are under civilian private control.

As long as government is supplying research capital, observed Price, we will be breaking down the precise barriers between government and private tasks that once existed in our society.

Price cited the Rand Corporation as an example of a civilian group handling military matters. This corporation was formed to advise the Air Force on strategic matters.

Price also observed that there is a marked autonomy of the divisions of the federal government.

The Dean said that the President has very little control over the departments, and the departments, in turn, have very little control over the bureaus in the federal government. Each bureau acquires a corporate identity and competes with the others and with private industry.

Bureaucrats are human, and, like corporate executives, they like to work on important and interesting projects. They are also fond of increasing the prestige of their organizations.

McCracken discusses government spending

"Just what do we want government to do for us in the public domain?" asked Prof. Paul McCracken, of the University of Michigan. He spoke at the opening plenary session, 'The Role of the Government in Economic Growth and Stability,' last Thursday morning in Kresge Auditorium.

At present, 38% of our national income is spent by government, McCracken pointed out. If the trend in government outlays from 1955 to the present is continued, this figure will have hit 50% by 1977. Deciding whether this trend should continue is "a pretty important question."

McCracken recognizes three functions of federal spending: (1) redistributing national income; (2) providing for public consumption; (3) influencing national income both in cyclical fluctuations and in long-term growth.

Considering national income redistribution, McCracken pointed out that most agree that equality of opportunity should be provided. However, excessively progressive taxes and other means of redistributing national income lower economic incentives and adversely affect growth in the national product.

In at least one area of public consumption, defense, we are receiving more information on spending effectiveness than in the past. The newly developed cost effectiveness techniques in defense spending are analogous to corporation profit centers, which measure costs versus sales.

McCracken stated that federal fiscal policy has been very useful in manipulating long-term growth and short-run fluctuations. However, one problem in short-run fiscal policy is the necessity for rapid action when recession looms near. To allow this action, McCracken advised that the President be given limited powers to cut tax rates in slowdown periods.

Lerner: 'Growth not important to US'

"A tendency to confuse freedom of people with freedom of enterprise" exists in the United States, said Prof. Abba P. Lerner of Michigan State University.

He spoke at the plenary session on 'The Role of the Government in Economic Growth and Stability' in Kresge Auditorium last Thursday morning.

"Growth is of no great importance for a rich country such as the United States," Lerner asserted. "I do not find myself excited" by increases in the standard of living, he said. Lerner pointed to the 10 billion dollars spent on advertising each year as evidence that Americans are satiated in their consumption desires.

Efficient use of resources and full employment are more important than growth in gross national product (GNP), Lerner said. Closing the employment gap would add 30 to 50 billion dollars a year to the GNP. Lerner prefers not to call this increase in GNP growth, since his emphasis is on stability rather than growth.

Lerner also stated that a growing economy with increasing population and productivity should also have an increasing national debt. If the United States resists government deficits, there will be little likelihood of reducing the rate of unemployment, Lerner said. The social effects of unemployment damage the United States image in the world arena.

Baker cites need for government support of research

Dr. William O. Baker, vice-president in charge of research at Bell Telephone Laboratories, discussed the efforts of the federal government in the support of research and development at the Thursday evening plenary session.

The increasing size and complexity of the systems introduced by new science is putting their

development beyond the capability of individual corporations, according to Baker. Such systems as nuclear reactors and weather forecasting programs can be initiated only by an organization as large as the federal government.

The government's support of research and development is heavily slanted toward industries involved in national defense, such

as the aircraft-missile and electronics industries. This imbalance, commented Dr. Baker, reflects our value judgement of what type of industrial activity is most important to our society.

The problem of quality versus quantity in research bears directly on the matter of governmental support. Major innovations, Baker pointed out, are usually made by bright individuals rather than by teams, and they may be made outside of expensive laboratories.

He pointed out a dilemma facing the government in its support of research. Innovation is a primary mission of applied science, but innovation is generally unnatural for governing agencies, with the exception of defense and welfare agencies.

Dr. Baker pictured some historical trends by a series of rising graphs plotted against time.



Bert Knight, second from left, is the student group leader of this discussion group in Rehearsal Room B.

Wiesner brands project evaluation as major research grant problem

Evaluation of projects competing for federal research and development grants is a major problem today, said Jerome B. Wiesner, Institute professor and professor of electrical engineering.

Wiesner, who is special advisor for science and technology to President John F. Kennedy, addressed the plenary session on research and development Thursday evening.

Today's extensive programs of research and development, he said, result from our increased dependence upon technical innovations and from the experience of World War II, which convinced many people of the value of team research.

Asking rhetorically "Where do we apply the brakes?" (in regard to research spending), Prof. Wiesner suggested that we should give as much aid as possible to basic research by "good men." As the research is more and more ap-

plied, stricter criteria should be placed upon its usefulness.

As higher salaries and more glamorous projects attract many of the best scientists and engineers to military research, added Wiesner, a problem which arises is that of getting more capable people into important civilian research.



Jerome Wiesner

Shultz urges improved retraining program

The proper role of the government in labor-management relations is solving problems of technological change and regulating union-management conflict, said Dean George P. Schultz of the Graduate School of Business, at the University of Chicago.

Dean Schultz spoke at the third plenary session, 'The Role of the Government in Labor-Management Relations,' last Friday afternoon in Kresge Auditorium.

A basic principle in labor-management relations, says Schultz, is that any decision involves the balancing of costs and gains.



George P. Schultz

"We want to have technological change," but there are usually accompanying costs associated with disruptive change.

Technological change can usually be anticipated, and government-financed retraining can often be started in time to teach new skills to the worker whose job is to be eliminated. However, there are some problems in the present federal retraining programs. One of these programs is that only those workers who are easiest to retrain and place are given training. Ideally, says Schultz, those with the greatest need would receive training.

A high level of government intervention in labor disputes "can do great harm in our economy," in Schultz's view. Intervention by high-level officials, such as Labor Secretary Goldberg's settlement of the Metropolitan Opera strike, reduces the effectiveness of mediation by lower-level officials.

Also, says Schultz, "some conflict is the price of freedom." Strikes are responsible for only 0.16% of all man-hours lost each year in the United States. This, Schultz believes, is "not a very high price to pay."

According to Schultz, the federal government should act to end racial segregation in retraining programs.

Wallen: Government should not dictate labor contracts

Collective bargaining provides "very real and deep values" in a free society, said Saul Wallen, professional labor mediator.

Wallen spoke at the conference's third session, 'The Role of the Government in Labor-Management Relations,' in Kresge Auditorium last Friday afternoon.

Collective bargaining, in Wallen's view, decentralizes power and the "locus of decision-making." The purpose of government in collective bargaining is to provide the framework for negotiations. Government should not attempt to set the terms of a labor contract.

Even though union membership is a declining fraction of the nation's total labor force, Wallen

pointed out that it still represents 36% of the non-farm work force. Over 150,000 labor contracts are now in existence in the United States, and these contracts are often pace-setters for industries in which most of the labor force is not organized.

Government should intervene in strikes, according to Wallen, only in cases of national emergency. He pointed out that a clearer definition of 'national emergency' is also needed. He cited as an example that strikes at missile sites may endanger national security, but the Metropolitan Opera dispute was "hardly a national emergency."

Wallen pointed to the steel and automobile industries as industries in which labor-management negotiations have had "very good results."



Saul Wallen



Paul McCracken, standing left, and Prof. Ithiel Pool, standing right, listen carefully along with Abba P. Lerner, seated.



Wm. O. Baker

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Foreign Students-I

About the biggest problem facing many foreign students when they arrive in Cambridge is the difficulty in finding housing. The majority of these students have never been in this country before, arrive with an imperfect knowledge of the idiomatic English spoken here, are not familiar with American customs or current market prices on room rent and other necessities.

Foreign students are quick to point out that it is sometimes difficult for them to meet American students. They feel that this problem is most acute just after their arrival at MIT, a time when they are most likely to be lonely and need help from those acquainted with the local environment. On-campus housing would fulfill these needs.

MIT guarantees housing for all incoming freshmen, Americans and foreign. However, the freshmen account for only forty of the foreign undergraduates who enter the Institute each year. The other forty, transfer students, suffer not only from the last-priority-on-everything status that all transfer students have, but also the handicaps that foreigners face all over the world.

The Administration seems to feel that the present housing shortage makes it impossible for them to provide space for all foreign undergraduates at this time. Since housing is, in general, guaranteed for all entering freshmen, the Administration is saying in effect that American freshmen deserve a higher priority on housing than foreign transfer students.

The problem is going to diminish or disappear within the next few years as additional housing is provided. The

roughly 85 beds to be added when Boxley Hall is converted to a men's dormitory, along with other action to be completed by September, should provide enough space to house all incoming freshmen. After this, the next addition to undergraduate dormitories is expected to allow foreign transfer students to be given on-campus housing when they arrive at MIT.

MIT Conference -- How Much?

The Conference Committee members deserve praise for the excellent job that they did to ensure the success of MIT's Intercollegiate Conference last week. Local and out-of-town delegates were unanimous that the conference very effectively achieved its major goal—education.

It is surprising that so few MIT students went to the plenary sessions. The explanation of the Conference Committee Chairman, Steve Kaufman '63, is that "MIT students aren't interested in this sort of thing." This is perhaps a weak explanation, but it raises two questions: Why aren't Techmen concerned about the most important decision-making organization in the nation? Should anything be done to increase interest in the federal government?

The travel subsidies to out-of-town delegates cost MIT about \$4000. Some of the delegates from West Coast colleges and universities were originally from New England.

It is difficult to understand how delegates can contribute significantly more to a conference simply because they have come a longer distance. Future conference spending would be more efficient if travel subsidies were greatly reduced or eliminated.

A regional conference can be as educational as a national one, and less costly as well.

Open Houses

MIT Departments are currently sponsoring orientation open houses to aid freshmen and sophomores in selecting a course. Each student must choose a course by the end of his sophomore year.

Speaking on course selection last month, President Julius A. Stratton said, "Don't be misguided by the employment notices, or the current popularity of a particular field. You can't outguess the future of technology." The greatest motivation to achievement in one's field is an intense interest. A consuming interest in one's field also enhances the satisfaction of work.

Many students choose their courses with little knowledge of what other disciplines offer. This kind of selection is unfortunate.

The open houses are provided to eliminate some problems in course selection. We urge freshmen and sophomores without courses to attend these open houses.

Even though the choice of a course is important, it is not irrevocable. There is room for flexibility even after a choice has been made. Total commitment to a single field is outmoded today.

Inside Incomm

UAP Nixes Alligator Race, Sends Pennant to Indonesia

By Jerry Luebbers, UAP

Paradoxically, I'd like to open this column with a discussion of the notion of having my own little corner in which to vent opinions more properly belonging in the editorial column, it has been decided that "Inside Incomm" should be an outlet for a broad spectrum of comments from a diverse group of people on a wide variety of topics (in an incredible number of styles!)

In addition, I'd like to capitalize on the chance to convey to you impressions of happenings around the Institute, to fill you in on those details with which you might not otherwise be familiar.

The things that happen run the gamut of credulity. One school wanted us to send them \$1.00, with which dollar they would outfit a baby alligator, and decorate him in any manner we chose to specify. They suggested that we

might be fortunate enough to be the proud possessors of the "fastest" alligator in the country.

Another school was sponsoring a turtle race, and a third wanted an MIT tug-of-war team. At the other end of the scale is a grade school in Indonesia in which the sixth grade chose MIT as its "representative school."

This group got a pennant and other assorted literature. The alligator was ignored, although it occurs to me that there must be some gaming Techman who'd have forwarded the dollar.

Be that as it may, these are the lighter questions. Foreign opportunities, a model United Nations, and academic affairs will constitute topics of a more substantial nature. Your suggestions are welcome, which makes this column important, as it is your readership that

Kibitzer

By MICHAEL LINAH

NORTH
 ♠ Q J 10 6
 ♥ A Q 8
 ♦ Q 4
 ♣ A 9 6 3

WEST
 ♠ A 7
 ♥ 9 6 3
 ♦ K 3
 ♣ K Q J 10 8 5

EAST
 ♠ 9 8 5
 ♥ 10 7 5 2
 ♦ A 9 5 2
 ♣ 7 4

SOUTH
 ♠ K 4 3 2
 ♥ K J 4
 ♦ J 10 8 7 6
 ♣ 2

The Billing. North South were vulnerable. West dealt.

WEST	NORTH	EAST	SOUTH
1 ♣	double	pass	2 ♠
3 ♣	3 ♠	pass	4 ♠

ALL PASS

Some bridge hands play themselves. No problem other than following suit need be faced. Other hands require great care. Today's hand comes from a recent duplicate, where only one declarer managed to make his contract. At all tables the king of clubs was opened, declarer winning in dummy.

At one table, declarer led a small spade from dummy, his king losing to West's ace. West forced declarer to ruff by leading the queen of clubs. Declarer was in trouble, both he and East were out of clubs, but East had higher trumps. He now led a diamond which West won. West led a club, East ruffed high and cashed the diamond ace for down one.

At the next table, declarer decided to cross-ruff the hand. He won the ace of clubs, and led a club from dummy, ruffing it. He returned to dummy with a heart and led another club. East ruffed with the eight, forcing South to ruff with the king. Again declarer has developed a losing position, with both him and East out of clubs, with East having higher trumps. Down one.

At another table, declarer led the queen of spades from dummy at trick two. West won his ace, and led another club, South ruffing it. South saw the danger in the club suit, and compromised by leading a small trump to the queen, leaving a trump out, but retaining the king of spades in

his hand. He now led a diamond from dummy. East won and returned his last trump, leaving South with no trumps in his hand. Declarer now went down two, West cashing two club tricks upon gaining the lead with the king of diamonds.

Finally, we come to our hero, who made the contract. He recognized that trumps in the hand must not be touched after the ace is knocked out. He led the queen of spades from dummy at trick two, West's ace winning. West continued with a club South ruffing. South now led a small diamond, and the defense is helpless. South has the king and a small trump left in his hand to control the club suit, and eventually more careful play will bring in the diamond suit for club pitches. He only has to be careful to play the heart suit so as to create two entries to his hand.

Today's hand emphasizes that part of the game which is the hardest for most players to master, correct timing. Unfortunately, it can only be learned through hard experience, and the defeats often met.

Answer to last week's hand: You as South hold:
 ♠ K 9 5 ♥ A J 4 ♦ A Q J 4 ♣ Q J 7

Your partner opened one club, and East overcalled four hearts. Your side only is vulnerable at duplicate. What do you do?

Answer: First of all, don't double. Slam is probable, and you may not set four hearts 500 points. Next, you can not bid four notrump, as this is not Blackwood, but merely would indicate a desire to play there. Five hearts is probably the best bid, bidding six notrump at the next opportunity.

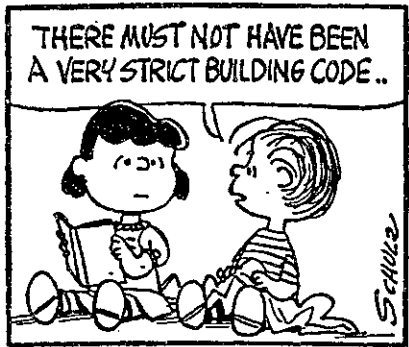
This week's hand: You South hold as dealer:
 ♠ J 7 5 ♥ K 7 4 2 ♦ K J 4 ♣ K Q 3

What do you bid?

Married students housing

Applications for residence in the married students' apartments, to open in September on the West Campus, should be made to Mr. Henry K. Dow, director of housing. Mr. Dow's office is in the Armory, at 120 Massachusetts Avenue.

Last week The Tech announced that F. G. Fassett, Dean of Residence, is accepting these applications. This was incorrect.



PEANUTS appears daily and Sunday in the Boston Herald.

Liberal thinkers supported American patriots

By Anthony Pappas
 In the late 1760's and early 1770's many liberal thinkers in Great Britain sympathized with the American colonies in their attempts to procure a greater degree of freedom from the British Crown. Yet their influence on future events was slight. In a lecture in the Kresge Little Theater, Prof. J. H. Plumb, of Cambridge University, described the various factors which shaped British attitudes toward the American Revolution. Quoting widely from diaries and letters of the day, Prof. Plumb showed the close correspondence

in thought between British radicals and colonial patriots. The belief that colonization was for the sake of liberty was particularly prevalent. This was coupled with a great distaste for King George III and his cabinet. Many radical commentators called the government a tyranny and expressed the wish that the American colonies could strike a blow for freedom by removing the imperial yoke.

Business Interests

Many of these radical thinkers were representatives of the industrial forces that were emerging in Great Britain, according to Prof. Plumb. As such, they wanted a social revolution in England which would change the structure of society. They regarded the contemporary political system, with its attendant corruption and patronage as an obstacle to business activity.

However, lacking any sort of organization or leadership, the pro-American forces proved to be impotent once the rebellion was transformed to a war. The British radicals could not reconcile their patriotism with support for the American cause.

Natural Xenophobia

Once hostilities commenced, Plumb stated, the natural xenophobia in both nations was enflamed.

In America, radical sentiment exploited national feeling and the radicals replaced many of the conservative New England merchants and Southern planters. In England, however, the conservative element utilized the war to associate advocacy of liberal ideas with a lack of patriotism.

Prof. Plumb pointed out a curious fact in connection with the downfall of Lord North's cabinet and the ending of the war: This event was brought about by the same conservative groups which had opposed the British radicals. For more than one hundred years the rural interests had generally supported the government. Finally, however, they rebelled, for they were disgusted with the war's progress and the burden of high taxes which it imposed. Their self interest eventually caused them to vote against the government.

One result of the American Revolution, according to Plumb, was the shackling of Britain to its feudal past. Indeed, demanding political and social equality became seditious during the Napoleonic Wars. The possession of empire and the pursuit of commercial aspirations also tied England to antiquated institutions and strengthened the conservative forces. In Britain there was no genuine social revolution, and it took longer for the British to establish modern frameworks of political and social representation.



Didi Perry, of Chattanooga, Tennessee, is this week's Techretary. She is librarian at the circulation desk in Hayden Library. This five-foot-three southern blonde graduated from Randolph-Macon Womans College, Lynchburg, Virginia. "It's a well known school," she says. "Everyone I've ever met from Harvard knows all about it, but MIT men have never heard of it."

Didi likes working at MIT because she has a chance to take courses. This term she is taking religions of the West and philosophy. She also enjoys the chance to meet many people.

About Techmen she says "I can't tell you what I think of them as a whole, but I can certainly tell you about some individuals . . ."

What did Didi come to Boston for? "Adventure." She arrived a year and a half ago and became a systems service representative with IBM. "Then I decided I hated machines, so I came to MIT."

Probably the main reason why IBM and Didi didn't get along is that she was a music major. She plays the piano and the harp.

"I'm one of the few people who think Boston is interesting," she says. "There are concerts, plays, and other events, and I just love the winter sports like skiing and ice skating."

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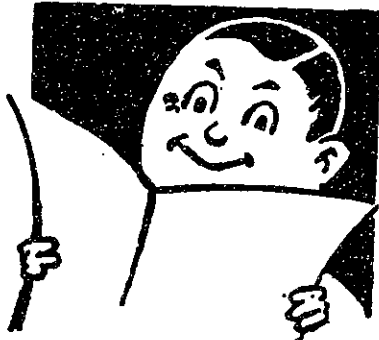
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THE TECH COOP

We would like to thank all those Students, Faculty, Fraternities, and Campus Activities who helped with the Intercollegiate Conference this past week. Without your aid the Conference would not have been possible.

Thank you,
 The Intercollegiate
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movies ...

Hitchcock's 'Birds' splendid thriller

By Gilberto Perez-Guillermo
'The Birds' is a splendid film, one in which Alfred Hitchcock's mastery of the medium is once more apparent. His cynicism, even regarding motherly love and death, is also evidenced; he seems to scorn the audience's feelings, exploiting its lowest instincts for the purpose of suspense. This is perhaps his most sadistic film; it is, at any rate, an outstanding work.

Hitchcock is one of the most significant directors of our time. Operating in Hollywood, he has enjoyed an artistic freedom unseen since the silent age; like Griffith, Chaplin and Keaton, he enjoys the favor of audiences as well as of connoisseurs. There can be little doubt concerning his great technical skill.

In France, Hitchcock is one of the favorites of Cahiers du Cinema an influential critical magazine. The Frenchmen have advanced a much-attacked theory concerning Hitchcock as a metaphysician. True or not, a metaphysical analysis of 'The Birds' should prove interesting. In any case, the Cahiers group deserves credit for its recognition of films like 'Vertigo,' one of the great masterpieces of the screen.

Hitchcock's style emphasizes appearances, which he treats in a characteristically detached

THE BIRDS; produced and directed by Alfred Hitchcock; screenplay by Evan Hunter, based on a story by Daphne du Maurier; at the Keith Memorial Theatre, Boston. Running time: 120 minutes.

CAST:
Melanie Daniels ... Tippi Hedren
Mitch Brenner ... Rod Taylor
Mrs. Brenner ... Jessica Tandy
Annie Hayworth ... Suzanne Pleshette
Cathy Brenner ... Veronica Cartwright
Mrs. Bundy ... Ethel Griffes
Sebastian Scholes ... Charles McGraw
Mrs. McGrunder ... Ruth McDevitt
Salesman ... Joe Mantell

fashion. In 'The Birds,' a group of human beings is attacked by a mysterious bird invasion, and Hitchcock views them objectively, with a somewhat scornfully clinical interest in their behavior. "I wanted to see what you looked like on the other end of a gag" is what Mitch Brenner Rod Taylor tells Melanie Daniels (Tippi Hedren), a spoiled socialite and experienced practical joker, at the beginning of the film. Hitchcock takes a similar attitude towards humanity. Man is no longer the persecutor, but the persecuted. After centuries of bird caging, human beings are caged by birds at least three times in the film—in a car, in a telephone booth, and, in the climactic sequence, in a house. This may be viewed as a practical joke; it will readily lend itself to a metaphysical interpretation.

The action is skillfully developed. A frivolous and passionless flirtation between Miss Hedren and Mr. Taylor is interrupted by a seagull attack. The menace of the birds is interplayed with inconsequential happenings. Slowly, Hitchcock lets frivolity give way to horror.

The suspense techniques may be illustrated by a scene. Miss Hedren is waiting outside the local school for Mr. Taylor's eleven-year-old sister. She does not notice a bird that flies to the school yard. She lights a cigarette, looks at the school building, but fails to see the birds, which have increased in number. The children are singing, reminding us of their danger—Hitchcock mercilessly exploits the audience's weakness for children. Finally, Miss Hedren sees a bird fly by and follows its course. Thus, after minutes of suspense, she sees the danger.

Hitchcock's usual strange characters are present—Mr. Taylor's mother (Jessica Tandy) plays a crucial role. In the climactic sequence, when the birds attack the house, a dazzling effect is conveyed by mother and daughter moving terrified, around the house, the camera following them.

Hitchcock's tremendous ability with the camera, his splendid 'The Birds,' colour suggests effects different from those in 'Vertigo.' The landscape is never pretty. In the beginning it prefigures a storm; in the end, it acquires Grecoesque tonalities suggestive of the end of the world. Green is a fundamental element in most compositions. Music is absent; only the sound of birds, used to unusual advantage, appears.

A SPRING FESTIVAL OF MUSIC AT M.I.T.

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MAY 4th and 5th
Saturday Evening, May 4 at 8:30 p.m.
M.I.T. Symphony Orchestra, Concert Band, and Brass Choir, John Corley, conducting. Works by Schoenberg, Piston, Lalo.

Sunday Afternoon, May 5 at 3:30 p.m.
M.I.T. Choral Society and the Cambridge Festival Orchestra, Klaus Liepmann, conducting.
BACH, B MINOR MASS
Dorothy Renzi, soprano Donald Sullivan, tenor
Eunice Alberts, contralto Thomas Pyle, baritone

MAY 10th, 11th, and 12th
Friday Evening, May 10 at 8:30 p.m.
Repeat performance of BACH, B MINOR MASS.

Saturday Evening, May 11 at 8:30 p.m.
Repeat performance of M.I.T. Symphony Orchestra, Concert Band, and Brass Choir.

Sunday Afternoon, May 12 at 3:00 p.m.
M.I.T. Glee Club, Douglass College Choir, and Cambridge Festival Orchestra. Klaus Liepman, conducting.

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Catherine Rowe Linville, soprano
Walter Carringer, tenor; John Powell, baritone

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A limited number of tickets are available for M.I.T. students at \$1.00. On sale Lobby, Bldg. 10.

Harvard Law Forum to discuss tax program

The Harvard Law School Forum will present a program entitled 'Tax Administration of the New Frontier' April 15 in Lowell Lecture Hall at 8:30.

The featured speaker will be Mortimer Caplin, professor of law at the University of Virginia and commissioner of the Internal Revenue Service.

HARVARD SQ. UN 4-4500

Hitchcock's "Suspicion" 1:40, 5:35, 9:30
"A Place in the Sun" 3:20, 7:20
Starting Friday
"Son of Flubber" 1:15, 4:35, 8:05
"The Lion" 2:45, 6:20, 9:45

BRATTLE SQ. TR 6-4226

"The Seven Samurai" (formerly titled "The Magnificent Seven") 7:00, 9:30—Sat. Mat. at 4:30
Sun.-Tues., Laurence Olivier in "Hamlet" 7:00, 9:40—Sun. Mat. at 4:15
Starting Wednesday
"Odd Obsession" 5:30 7:30, 9:30

Boston Dance Theater to give three ballets

The Baton Society will present the Boston Dance Theater and the Symphony Orchestra in a program of three ballets April 19 and 20 in Kresge Auditorium at 8:30.

The program will include the 25th anniversary production of Walter Piston's 'Incredible Flutist'; 'The Seasons,' a classical ballet to the music of Glazounov; and the premiere of 'Roots of Sand,' a modern dance to music by Gerald Siddons.

Making the Scene

THIS WEEK MUSIC

Chamber Music for Woodwinds—New England Conservatory, April 10, 8:30 Jordan Hall; Piston's 'Trio for Flute, Clarinet, and Bassoon,' Barber's 'Summer Music,' Mozart's 'Serenade No. 11,' free
Michael Schneider—organist, Apr. 10, 8:30, Kresge Auditorium; works of contemporary German Composers; \$1.50
Hori — and his African Dance Co., Apr. 12, 8:30 Kresge Audit.; \$2.50, \$1.50
Orchestra Dance—International Student Association, Apr. 12, 9:00; \$5.00 to members, others \$1.50
Folk Sing—International Student Association, Apr. 13, 9:00
James Levine—pianist, Apr. 14, 3:00, Gardner Museum; works of Mozart, Schoenberg, and Schumann
Madrigal Concert—Medieval and Renaissance Music, Tower Court Great, Wellesley College, Apr. 14, 2:15

THEATRE

'The Cursed Daughters'—Loeb Drama Center, Apr. 10-13, 3:30
'The Italian Straw Hat'—France, 1927 and 'The Flower Thief' USA, 1920, Apr. 11-13, Penthouse Cinema
LSC Classics Series—'Les Mains Sales,' Apr. 12, Room 10-250, 6:00, 9:00; Fernand Rivers' film version of 3:00; Paul Sartre's play. The story deals with an impassioned idealist who joins an underground movement, hoping to free his Central European country from Fascist oppression. France.
LSC Entertainment Series—'Parrish,' Apr. 13, Room 10-250, 6:00, 9:00; Tracy Donahue, Claudette Colbert, Karl Malden, Connie Stevens. Donahue goes to work in the tobacco fields of Karl Malden, a ruthless tycoon who attempts to put other independents out of business. While Donahue becomes romantically involved with a trampish girl, Stevens, his mother, Colbert, meets and finally marries Malden. Based on the novel by Mildred Savage.

MISCELLANEOUS

Herve Alphonse—French Ambassador to the US, 'The French View on Europe and the Atlantic Alliance,' Burr B. Lecture Hall, Harvard, Apr. 19, 8:00; \$5.00
Dr. Markus Barth—'The Beatitudes in the Sermon of the Mount,' Apr. 10, Penelton Hall, Wellesley College, 7:45
Richard Wilbur—poet, reading his own works, Hayden Library Lounge, Apr. 11
Mark Van Doren—'A Reading from his Poems, with Commentary,' Apr. 14, 8:00, Jordan Hall, Ford Hall Forum
Harvard Law School Forum—'Tax Administration of the New Frontier,' Apr. 15, Lowell Lecture Hall, Harvard, 8:30
'Twenty Alumni from 20 Years'—Museum of Fine Arts, through Apr. 29, Museum School Gallery; paintings by graduates of the Museum school
Contemporary German Books—display, Bldg. 7, Apr. 11

NEXT WEEK MUSIC

Concert of Instrumental Music—New England Conservatory, Apr. 17, Jordan Hall, 8:30; Griffes's Sonata for piano, Brahms' Quartet in C Minor for Piano and Strings; free
Boston Dance Theater—and MIT Symphony Orchestra, Apr. 19-20, 8:30, Kresge Audit.; 'The Seasons,' 'Roots of Sand,' 'Incredible Flutist'; \$1.00
Folk Sing—International Student Association, Apr. 20, 9:00
Yves Chardon—cellist, and Frederic Tilloton, pianist, Gardner Museum, Apr. 21, 3:00

THEATRE

'She Stoops to Conquer'—Apr. 19-20, Alumnae Hall, Wellesley College, 8:00
'Miss Julie'—Sweden, 1960, Apr. 18-20, 9:30, 7:00, Penthouse Cinema.
'The Braggart Warrior'—by Plautus, Loeb Drama Center, Apr. 23-27, 8:30
LECTURES
Dr. Jamil Abul Naser—'Problems of Evolution in North Africa,' International Student Association, Apr. 21, 8:00
William Henry Chamberlain—and Prof. Frederick L. Schuman, 'What Price Co-Existence?' Apr. 21, Jordan Hall, Ford Hall Forum, 8:00
Claudio Guillen—Modern Language Dept. Wellesley College, Apr. 23, Jewett Audit., 7:45
David Mulfinger—pianist, Jordan Hall, Apr. 21, 3:30; \$2.10, \$1.55

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movie schedule

Tues., Apr 9 through Tues. Apr. 16 (Unless otherwise stated, the Sunday schedule is the same as the weekday schedule except no movies are shown before 1 pm)

ASTOR — 'The Longest Day', 8:15; Wed., Sat., Sun., 2:00; Sun. 7:30

BEACON HILL — 'David and Lisa', 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00, Sun., 1:30, 3:30, 5:30, 7:30, 9:30

BOSTON CINERAMA — 'How the West Was Won', eves., 8:30, mats. Wed., Thurs., 2:00, Sat., Sun., 1:00, 4:45

BRATTLE — 'The Seven Samurai' (formerly titled 'The Magnificent Seven'), 7:00 and 9:30; matinee Sat. at 4:30. Sun.-Mon.-Tues.: Laurence Olivier in 'Hamlet', 7:00 and 9:40; matinee Sun. at 4:15. Starting Wed.: 'Odd Obsession', 5:30, 7:30, 9:30

CAPRI — through Apr. 11, 'Love is a Ball', 8:30, 11:30, 1:30, 3:30, 5:30, 7:30, 9:30; starting Apr. 12, 'David and Lisa', 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00

COULIDGE CORNER — through Apr. 11, 'Coming Out Party', 1:30, 7:50, 9:00; starting Apr. 12, 'Son of Fubber', 9:20, 2:35, 5:50, 9:15, 'Rage of the Lion', 11:45, 4:15, 7:40

EXETER — 'Love and Launcy', 2:15, 4:00, 5:50, 7:35, 9:25

FINE ARTS — today, 'Gold Rush', 'Knights of Giberia', no times available; starting Apr. 11, 'Taste of Honey', 3:30, 7:00, 10:00; 'O La Belle Americaine', 1:45, 5:15, 8:30

HARVARD SQUARE — Hitchcock's 'Suspicion', 1:40, 5:35, 9:30; 'A Place in the Sun', 3:20, 7:20. Starting Fri.: 'Son of Fubber', 1:15, 4:35, 8:05; 'The Lion', 2:45, 6:20, 9:45

KETH MEMORIAL — 'The Birds', 9:50, 12:10, 2:30, 4:50, 7:10, 9:30; Sun., 1:00, 3:05, 5:12, 7:18, 9:24

LOEW'S ORPHEUM — today, 'Five Miles to Midnight', 11:15, 2:40, 6:00, 9:25; 'War Hunt', 9:50, 1:10, 4:35, 8:00; starting Apr. 11, 'My Six Loves', 11:25, 2:50, 6:15, 9:40, Sun., 2:35, 5:55, 9:15; 'Wonderful to be Young', 9:50, 1:15, 4:40, 8:05, Sun., 4:20, 7:35

MAYFLOWER — through Apr. 11, 'Boccaccio 10', 10:00, 12:35, 3:15, 5:55, 8:35; starting Apr. 12, 'Man from the Diner's Club', 11:15, 2:35, 5:55, 9:15, Sun., 2:30, 5:50, 9:10; 'Fury of the Pagans', 9:45, 1:00, 4:20, 7:40, Sun., 1:00, 4:15, 7:35

MIF — Friday, 'Les Mains Sales', Room 10-250, 6:00, 9:00; Saturday, 'Parish', Room 10-250, 6:00, 9:00

MUSIC HALL — 'Girls of the Night', 10:00, 12:35, 3:10, 5:45, 8:20, Sun., 1:00, 3:35, 6:10, 8:45; 'Voodoo Village', 11:27, 2:02, 4:37, 7:12, 9:47, Sun., 2:27, 5:02, 7:37, 10:12

PARAMOUNT — 'Days of Wine and Roses', 10:20, 1:00, 3:45, 6:30, 9:15

PENTHOUSE CINEMA — 'Miss Julie', Apr. 13-20, 7:00, 9:30

PILGRIM — 'First Spaceship on Venus', 9:45, 12:40, 3:30, 6:30, 9:30, Sun. 1:00, 3:30, 6:30, 9:35; 'Varan, the Unbelievable', 11:25, 2:20, 5:15, 8:10

SAXON — 'Mutiny on the Bounty', eves., 8:15 mat. Wed., Sat., Sun., 2:15

WELLESLEY COMMUNITY PLAYHOUSE — Apr. 10-13, 'Sabrina', 7:45, 2:00, Apr. 14-16, 'Fancy Pants', 'Tarzan Goes to India', 2:00, 7:45

Theatre Schedule

ACTORS PLAYHOUSE — 'Knit One, Purl Two', 8:00

CHARLES PLAYHOUSE — 'Candida', Wed.-Fri. 8:30, Sat. 5:30, 9:00, Sun., 3:00, 7:00

COLONIAL — 'The Sound of Music', eves., 8:30, mats. Wed., Sat., 2:30

IMAGE — 'The Master Builder', Tues.-Fri., 8:30, Sat. 5:00, 9:00

SHUBERT — 'Rattle of a Simple Man', eves., 8:30, mats., Thurs., 2:15, Sat., 2:30

WILBUR — 'Mary, Mary', eves., 8:30, Mats. Wed., Sat., 2:30

At the Coffeehouses

Cafe Yana
50 Brookline Ave.
Near Kenmore Square
Thru Sat.—John Hammond Jr.
Starting tomorrow—Greg Hildebrand

The Unicorn
825 Boylston Street
Through Apr. 14—Carolyn Hester
Apr. 15-28—Rambling Jack Elliott

Club Mt. Auburn 47
47 Mt. Auburn Street
Today
Jim Kweskin, Geoff Muldaur
Thursday
Charles River Boys
Friday
Tom Rush, Carol Langstaff,
Robert L. Jones
Saturday
Rooney, Val and Applin
Sunday
Hootenanny with Jack Parnley
Monday
Film: "Passage to Marseilles"
Tuesday
Jackie Washington

's comedy 'Candida' at Charles Playhouse

CANDIDA; by George Bernard Shaw; directed by Michael Murray; produced by Frank Sgrus and Michael Murray; production supervised by Aloysius Petrucci; lighting by Walter Dolan; scenery by Richard Gullicksen; costumes by Norman Whanack; at the Charles Playhouse.

THE CAST
The Reverend James Mayor Morell Leon Shaw
Miss Proserpine Garnett Denise Huot
The Reverend Alexander Mill Norman Bowler
Mr. Burgess Robert Van Hooten
Candida Gwyda Donahoe
Marchbanks Tucker Ashworth

of this production, but the success of "Candida" rests upon the script. Only exceptionally poor acting of this production, but the success could hurt this play, for Shaw's script is artistry.

Shaw sometimes thrusts the double-edged sword of wit and insight. For example, when the tipsy secretary is admonished for her intemperance, she replies, "I'm only a beer teetotaler, not a champagne teetotaler. I don't like beer." The crusading minister accuses his industrialist father-in-law of hypocrisy by stating, "I like a man to be true to himself — even in wickedness."

On the other hand, Shaw can score with the rapier of pure sincerity, as in the reply of the minister when his wife asks what he offers as his bid for her continued love: "I pledge my strength for your protection, my industry for your well-being, my dignity for your honor, and my abilities for your support. That is all any man can offer."

The only real deficiencies of this production arise from the physical layout of the Charles Play-

house. The action is inadequately adapted to the three-quarter round stage of the Charles. Post-fire remodeling has not changed the high proportion of undesirable seats at the theatre.

All factors considered, one should see this fine play at the Charles. The evening is worthwhile, for 'Candida' is more than just good entertainment. It is a work of substance, proficiently performed.

Gbadegesin Ilori to dance in Kresge

Solomon Gbadegesin Ilori and his African Dance Company will perform at Kresge Auditorium Friday at 8:30 pm in celebration of African Freedom Day.

The program will include 'Dances of Fire,' 'Dances of Fertility and Initiation,' 'Talking Drum,' and other dances.

Tickets, at \$2.50 and \$1.50, are available at the Technology Community Association. Phone reservations may be made at Kresge Auditorium, extension 2910.

Pulitzer Prize-winning poet will read works tomorrow

Richard Wilbur, American poet who has won the Pulitzer Prize, the National Book Award, and the Prix de Rome, will read from his works tomorrow night in the Hayden Memorial Library Lounge.

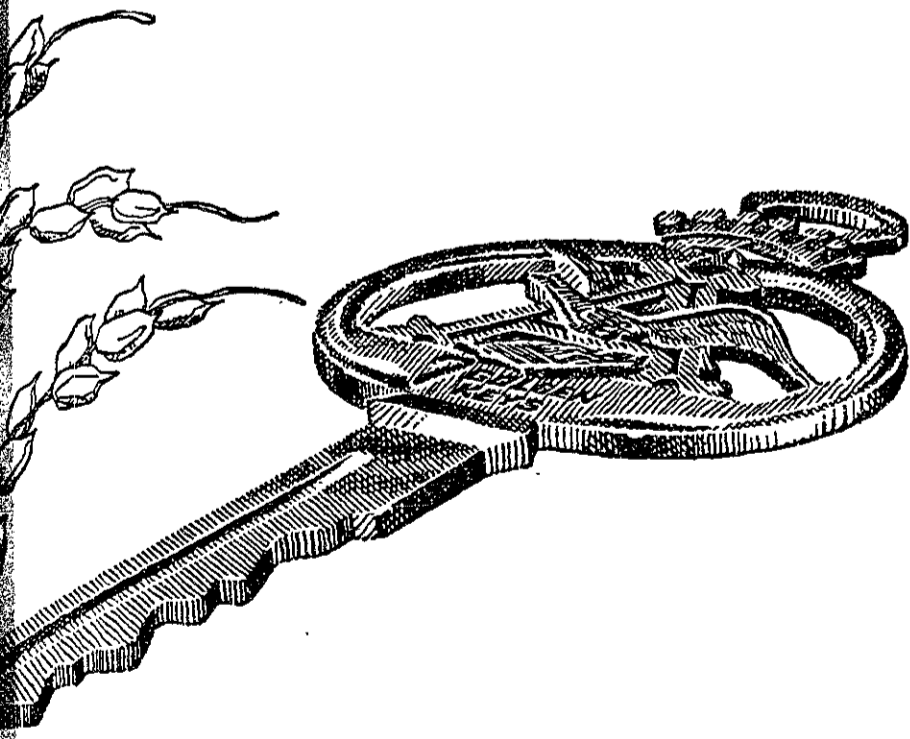
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movies...

'How the West Was Won' Cinerama spectacular

By Gilberto Perez-Guillermo

It is hard to view 'How The West Was Won' from any serious position. As a fictionalized history of the conquest of the American West, it lacks historical sense. The story, which follows several generations of the Prescott family as they go through the West, is sketchy and rather trite. Aside from the usual corny stuff, there is no consistent romanticizing of the legends of the West, and this is missed. There is little Western flavor in the film. If any serious attempt at American epic has been made, it has certainly failed.

Still, one may view 'How The West Was Won' as a gigantic circus, with little depth and much excitement. There is no denying the entertainment potentialities of such a genre, and 'How The West Was Won' is very exciting at times. The train robbery sequence is an excellent example; although the story is a bit absurd, the scene is thoroughly breathtaking. Henry Hathaway, who directed it, made full use of the excitement resources of the huge screen, playing with them in an undeniably amusing fashion.

But there is little difference between Hathaway's use of Cinerama and the look-no-hands approach of the roller coaster sequence in 'This is Cinerama.' In-

HOW THE WEST WAS WON: directed by John Ford (The Civil War), George Marshall (The Railroad), Henry Hathaway (everything else); produced (in Cinerama) by Bernard Smith; screenplay by James R. Webb. At the Boston Cinerama. Running time: 162 minutes.

CAST:
Linus Rawlings... James Stewart
Lillian Prescott... Debbie Reynolds
Eve Prescott... Carroll Baker
Zebulon Prescott... Karl Malden
Rebecca Prescott... Agnes Moorehead
Colonel Hawkins... Walter Brennan
Dora... Brigid Bazlen
Cleve van Valen... Gregory Peck
Agatha Clegg... Thelma Ritter
Roger Morgan... Robert Preston
Zeb Rawlings... George Peppard
Abraham Lincoln... Raymond Massey
General Grant... Harry Morgan
General Sherman... John Wayne
Red Soldier... Russ Tamblyn
Mike King... Richard Widmark
Jethro Stuart... Henry Fonda
Charlie Gant... Eli Wallach
Marshal... Lee J. Cobb

deed, there is no use of the medium to tell a story; rather, a story is used as a mere pretext for the insertion of the usual Cinerama trickery.

The first half of the film, directed by Henry Hathaway, is little more than a travelogue, exciting and dull in turn. Thus, at the time of the intermission, one is inclined to conclude negatively on the possibilities of Cinerama as a cinematic medium.

However, the sequence on the Civil War, directed by John Ford, offers a refreshing contrast. There is little of the travelogue approach in it—no Indian attacks, no fighting of the rapids, no buffalo stampede. The war scenes are brief, sober, and effective. The departing of the son for the war is unusually good, the huge screen actually conveying a tender sentiment. Unfortunately, the sequence is rather brief, and quickly gives way to the travelogue.

Still, even the best John Ford effects would have probably come through just as well on some of the other large, but not so large, screens. And the dividing lines, ever present in Cinerama, seem too much of a shortcoming. It is not only annoying to see the image distortion, but, as a result, the dialogues are practically restricted to the central panel, leaving the sides merely for sight-seeing purposes. Needless to say, the dramatic effect is rather bad. Some attempts have been made in 'How The West Was Won' to disguise the divisions, without much success.

A large gallery of Hollywood stars is present, and some of the performances were good. Not expecting any character individualization in a film of this kind, I didn't mind the fact that most of the characters were standard cliches. The verisimilitude of the stories didn't bother me either; only the lack of imagination did.

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Dean Burchard gives views on architecture

John E. Burchard, dean of the School of Humanities, gave two lectures for the Course XXI Society entitled 'The Dilemma of Contemporary Architecture.' Given March 18 and April 1, the presentations consisted of comments by Dean Burchard, along with a collection of slides.

In the first lecture Dean Burchard pointed out that while history does not provide absolute critical truth it does have things to teach us. In the specific field of decoration, the slides depicted what the past accomplished. The question presented was what contemporary architecture is doing, if anything, in this field.

In the second lecture Burchard evaluated modern architecture with reference to both structure and decoration. Though the recent trends have highly emphasized "honesty" of structure, still many forms of decoration, often new and radical, are becoming more important. In many new buildings in Boston, especially schools, excellent form and decoration are displayed.

Dean Burchard feels that the enthusiasm in both aspects of architecture reflects the dynamic period the field is experiencing, which he compares to the Renaissance. At such a time theories are made and broken by the great men of the field. Not all of the results are good, but some are very good indeed.

Since the results of the architect's art are so apparent to all, Dean Burchard feels all have a right to criticize. Again history indicates a conclusion of some value, that not all contemporary criticism is later considered accurate. But at least everyone can assess with a level head and enjoy the often-fine work done in modern architecture.

Fassett crowns Mrs. Barthelemy as queen of MIT Military Ball



Dean of residence Frederick G. Fassett Jr. crowns Mrs. Margie Barthelemy queen of the Military Ball last Saturday as Miss Judith Cordeau watches. Mrs. Barthelemy is the wife of Robert Barthelemy, Second Lieutenant, AFOTC, a graduate student in electrical engineering. —Photo by Joseph Baron

Hintregger reports effect of hard solar radiation

Dr. Hans E. Hintregger of the Air Force Cambridge Research Laboratory spoke on the extreme ultraviolet in the high atmosphere at last week's COMPASS Seminar. He defined extreme ultraviolet to include everything from vacuum ultraviolet (ultraviolet radiation to which the atmosphere is opaque) to soft x-rays (from about 2400 to 150 angstroms).

Dr. Hintregger explained that he was interested in the effects of the hard solar radiation on the composition of the upper atmosphere through dissociation and ionization.

The experimental data for this study are taken from high-altitude rockets carrying diffraction spectrographs which are scanned by a photomultiplier continuously in a 10-second cycle. This method yields data in the form of radiation intensity versus wavelength versus height.

By studying these spectral distributions, the composition of the atmosphere as a function of height can be determined since the effect of a given amount of gas above a given height completely fixes what will be subtracted from the solar spectrum.

Difficulties in this sort of measurement include the choosing of the time of scan of the spectrum. A long scan time increases the accuracy of the data on spectral intensity but decreases that of the correlation of the height, since the rocket is moving vertically with a high speed.

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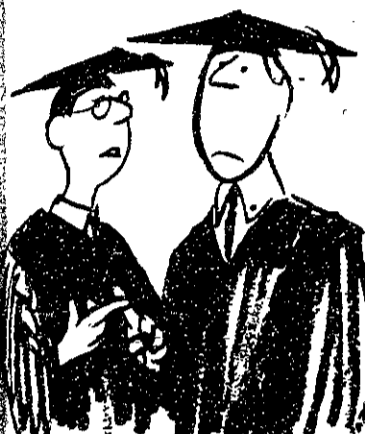
1. According to the Department of Labor, you're worth over \$350,000 as soon as you get your sheepskin. That's theoretical, of course.

I didn't even know the Department was thinking about me.



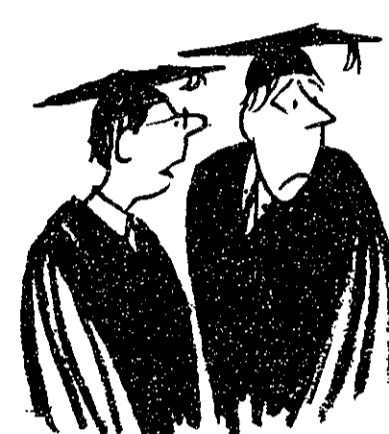
2. The way they figure it, that \$350,000 is how much the average college graduate will earn by the time he retires.

I'll take it right now in a lump sum. Would I live! Penthouse. Yacht. Homburg. The works.



3. As an Eco major, I feel obliged to tell you what would happen to that bundle. First, Uncle Sam would help himself to about 290 Gs. With the going rate for penthouses, your life's earnings would disappear in one year.

You've ruined my day.



4. Since you'd be only 22, you couldn't qualify for Social Security. You'd have to go back to your dad for an allowance.

I never could handle money.



5. Fortunately, there's a way out for you.

Tell me—tell me.
Well, you won't be getting all that money in one year. You'll be getting some of it each year, at a much lower tax rate. What you should do is put aside a certain amount of it.



6. Put some money into cash-value insurance, the kind they call Living Insurance at Equitable. It gives your wife and kids solid protection and it saves for you automatically—builds a cash fund you can use for retirement or any other purpose.

You Eco guys have all the answers.

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Tech Show '63 music now on long-play records

Records of the 1963 Tech Show, "Sins and Needles," are on sale now.

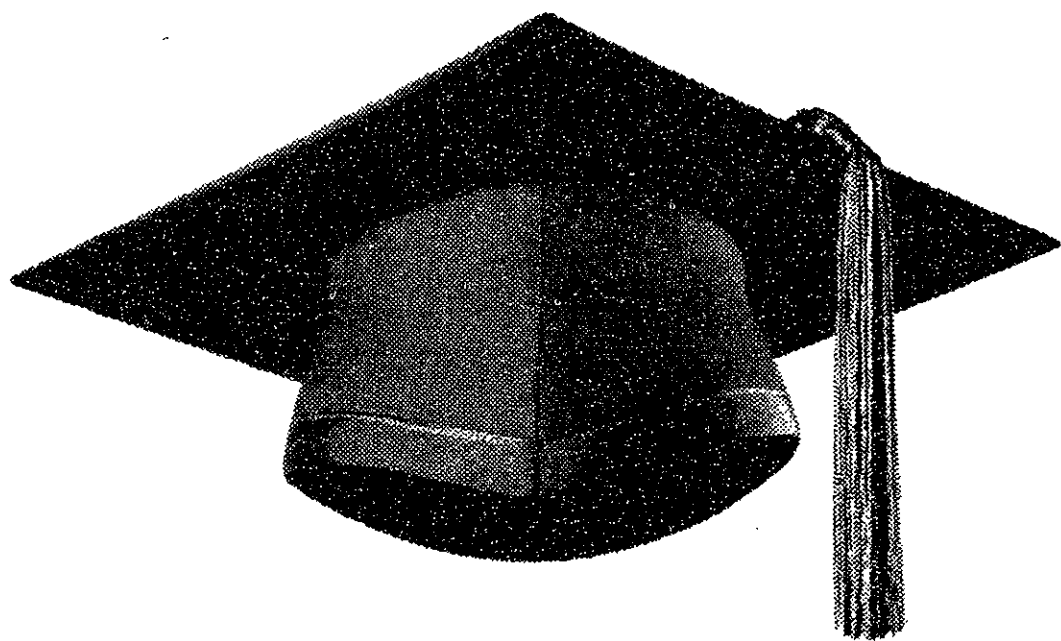
They are long-playing recordings of all the music from the recent production.

Orders may be placed by sending a check for \$3.95 (made out to MIT Tech Show) to MIT Tech show '63; Kresge Auditorium, Cambridge 39, Massachusetts.

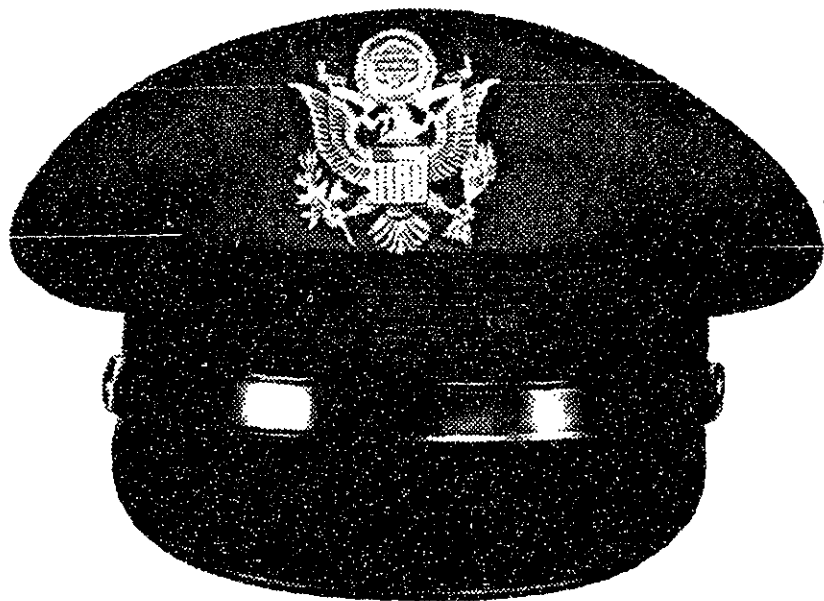
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In this case, nepotism's a pretty good idea. And the best way to get it is through Air Force ROTC—because the Air Force prefers to commission its officers directly upon graduation. But if you couldn't fit AFROTC into your schedule, you can still apply for Air Force Officer Training School. OTS offers college men and women an opportunity to assume great responsibility. When

you complete the three-month course, you'll be commissioned a second lieutenant, and become a part of a vital aspect of our defense effort. As an Air Force officer, you'll be a leader on the Aerospace Team. We welcome your application for OTS now—but the same may not be true next year. So if you're within 210 days of graduation, get full information from the Professor of Air Science.

U. S. Air Force

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SPACIOUS, low-priced 5 room apt. to let June 1-Aug. 30. Perfect for 3-6 persons, 629 Commonwealth, one block from Kenmore Sq. Call H. Ellis, x-3205 or 267-7670.

1960 SIMCA ARONDE, 4 door, radio, el. fuel pump, \$500—best offer. Weekdays 6-9 p.m., weekend mornings 262-9468 or 267-7829.

WANTED TO RENT — MIT Grad wishes to sublet furnished bachelor apartment from June 10 to Sept. 6. Full furnishings, private entrance, private bath (shower), quiet location, and reasonable rent are essential. Please send complete description to Neil Doppelt, 6387 Morrowfield St., Pittsburgh 17, Pa. Will consider Back Bay, Brookline, Allston, perhaps Cambridge.

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THE TECH COOP

Civil Service offers wide variety of jobs for summer training

College undergraduates may now enroll as student trainees with the United States Civil Service Commission.

The traineeship program is offered in accounting, architecture, chemistry, various options in engineering, farm management, mathematics, metallurgy, meteorology, naval architecture, physics, soil conservation, soil science, & agricultural statistics.

There are two types of training programs: The cooperative work-study program, which consists of alternate periods of college study and employment throughout the year, and the vacation work-study program in which students work during the summer vacation period only.

While on the job, the student trainees work under the guidance of professional personnel in the field pertinent to their specialization.

All qualified applicants are considered for employment without regard to sex, race, creed, color, or national origin. Last summer, about 8000 students were working in Washington, D.C., and 3000 more were employed elsewhere in the country.

Further information and forms for application can be had from the Regional Director, Boston Region, US Civil Service Commission, Post Office and Courthouse Building, Boston 9, Massachusetts.

College World

Tower of London taken for first time; Hits real estate market at 100 pounds

One at a time, they came. And in pairs — all morning long. Early in the afternoon, a three-ton truck got through. Down came the Union Jack and up went a skull-and-crossbones flag. Before anyone had taken notice of the infiltration, the invulnerable Tower of London had fallen to invaders for the first time in its 855-year history.

The "liberators" were 600 students from London University, participating in the annual "Rag Week." The raid had been planned for months so that it would go off like clockwork, according to one of the organizers. The use of the truck, carrying most of the invasion force, was inspired by the Trojan horse.

Grenadier guardsmen and Beefeaters (medieval-uniformed tower guards), entrusted with the security of the building and the priceless crown jewels stored there, let the truck pass into the main courtyard without challenge. The students (about 400 of them) jumped out of the truck, kidnapped the Beefeaters, and stormed the tower. They were joined in the assault by an auxiliary battalion of 200 students who had previously infiltrated the fortress.

After capturing the tower and running up their skull-and-crossbones flag, the invaders demanded

ransom. One proclaimed over a loudspeaker, "There are 600 students within these walls. We are not moving until we get 100 pounds (\$280)." On the roof, students painted large red signs across the parapets advertising a tower for sale—for 100 pounds.

The students, however, had not reckoned with the strategy of the tower's governor, Col. Sir Thomas Butler. The colonel's message was a mere "You are contravening the Official Secrets Act." With police reinforcements converging on the building, the raiders surrendered after 45 minutes.

They did, nevertheless, achieve their purpose. Aside from capturing the building, putting its guardians to shame, and being in a position to steal the crown jewels, they collected their 100 pounds.

No, they did not receive a ransom. They just sold the Tower of London—in shares to visiting tourists.

Strike in Milan

"We will not leave the building." This time the scene is Milan. Architecture students at the University of Milan barricaded themselves inside their classrooms, pushing desks and chairs against the doors to keep the professors out.

These students are on strike.

Unlike many other students, they are not complaining about being overworked. In fact, they are striking for "a tougher course that will fit us for jobs in today's world of architecture; exams that will weed out the unfit and the incapable; and lectures by modern architects who are making a living at the business and not just talk by professors on out-world theory."

The demands reported echo an often-repeated criticism of Italian education. Students complain that they are not being prepared for the actual work they will have to do, but that their courses dwell too much on Italy's past glories.

Helps 9 Out Of 10

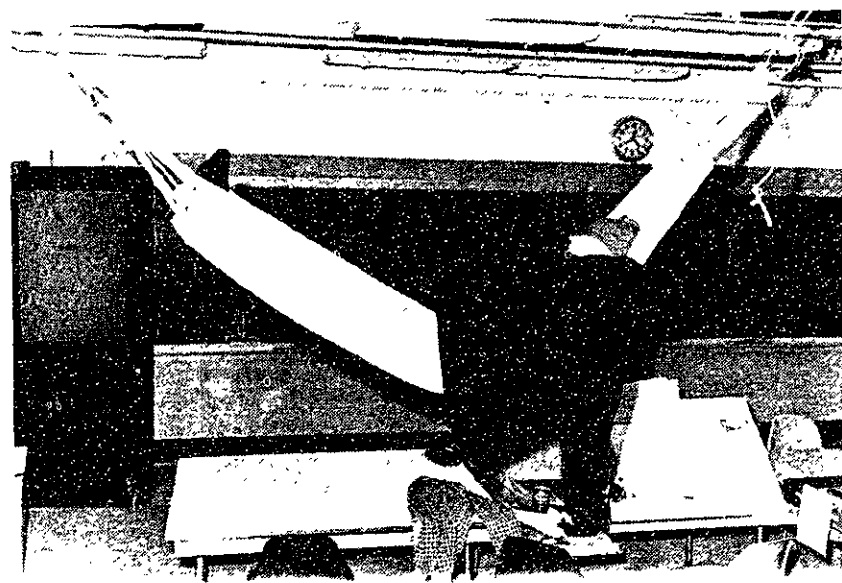
Students at Kent State University in Ohio have found a different way of getting an education. With the help of Professor Stanley Krippner, a reading specialist, they are getting better grades through hypnotism.

Professor Krippner says he has been using hypnotism for the past five years. He claims that students who underwent hypnotism could study through interruptions that would normally upset them, such as hunger, thirst, doorbells, and telephones. Professor Krippner's report says that 90 per cent of those who used the method got at least some benefit.

A New SPIN Record

"College World" last week stated that Ed Lemp of Montana State University held the world's SPIN record for spinning 1214 times in a clothes dryer. Michigan State University's State News has disclosed a more recent record. Two members of Alpha Tau Omega at the University of California at Berkeley stuck it out for 54 minutes and 40 seconds. The new record is 2000 spins.

Techman camps out in Room 3-456



As the due-date for his project approached, Georges Duval '63 Course 2, decided to move into Room 3-456 for a few days. —Photo by Joe Baron

Secretariat interviews tomorrow and Friday to select members for next year's committee

The Secretariat will conduct interviews tomorrow and Friday for the purpose of selecting next year's members. The interviews will take place in Litchfield Lounge, from 3:00 to 5:30 p.m.

According to Secretariat Dick Carpenter '64, the Secretariat will undertake a number of activities

in the coming year. These include the regular duties of coordinating Institute Committee correspondence and supervising school publicity and elections, in addition to working on special projects.

Interested freshmen may sign up for interviews in Litchfield Lounge, Walker Memorial.

Meeting set for students interested in teaching

Students interested in acting as teachers in the Summer Study Program for High School Students, may attend a meeting tomorrow at 4:00 p.m., in the Hayden Library Lounge.

Last summer's program included more than 600 students in 30 sections of 15 subjects. The instructors, all MIT undergraduates, receive no remuneration.

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On Campus with **Max Shulman**
 (Author of "I Was a Teen-age Dwarf", "The Many Loves of Dobie Gillis," etc.)

NOW YOU CAN BE YOUNGER THAN SHE IS

It is a scientific fact that girls reach emotional maturity earlier than boys. For this reason freshman girls are reluctant to make romantic alliances with freshman boys, but instead choose men from the upper classes.

Thus the freshman boys are left dateless, and many is the night the entire freshman dorm sobs itself to sleep. An equally moist situation exists among upper-class girls. With upper-class men being snapped up by freshman girls, the poor ladies of the upper class are reduced to dreary, manless evenings of Monopoly and home permanents.

It pleases me to report there is a solution for this morbid situation—indeed, a very simple solution. Why don't the two great have-not groups—the freshman boys and the upper-class girls—find solace with each other?

True, there is something of an age differential, but that need not matter. Take, for example, the case of Albert Payson Sigafos and Eustacia Vye.

Albert Payson, a freshman in sand and gravel at Vanderbilt University, was walking across the campus one day, weeping softly in his loneliness. Blinded by tears, he stumbled upon



the supine form of Eustacia Vye, a senior in wicker and raffia, who was collapsed in a wretched heap on the turf.

"Why don't you watch where you're going, you minor youth?" said Eustacia peevishly.

"I'm sorry, lady," said Albert Payson and started to move on. But suddenly he stopped, struck by an inspiration. "Lady," he said, tugging his forelock, "don't think me forward, but I know why you're miserable. It's because you can't get a date. Well, neither can I. So why don't we date each other?"

"Surely you jest!" cried Eustacia, looking with scorn upon his tiny head and body.

"Oh, I know I'm younger than you are," said Albert Payson, "but that doesn't mean we can't find lots of fun things to do together."

"Like what?" she asked.

"Well," said Albert Payson, "we could build a Snowman."

"Bah!" said Eustacia, grinding her teeth.

"All right then," said Albert Payson, "we could go down to the pond and catch some frogs."

"Ugh!" said Eustacia, shuddering her entire length.

"How about some Run-Sheep-Run?" suggested Albert Payson.

"You are callow, green, and immature," said Eustacia, "and I will thank you to remove your underaged presence from mine eyes."

Sighing, Albert Payson lighted a cigarette and started away.

"Stay!" cried Eustacia.

He stayed.

"Was that a Marlboro Cigarette you just lighted?" she asked.

"What else?" said Albert Payson.

"Then you are not immature!" she exclaimed, clasping him to her clavicle. "For to smoke Marlboros is the very essence of wisdom, the height of American know-how, the incontrovertible proof that you can tell gold from dross, right from wrong, fine aged tobaccos from pale, pathetic substitutes. Albert Payson, if you will still have me, I am yours!"

"I will," he said, and did, and today they are married and run the second biggest wicker and raffia establishment in Duluth, Minnesota.

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Crews aim for best year as season starts Saturday

By Chris Miller

The MIT crews kick off their intercollegiate season this Saturday with the heavyweight varsity, JV and freshmen crews competing against Boston University on the Charles River. The dis-

ance of the race will be one and three-quarter miles, which is the full length of the Charles River Basin from the Longfellow Bridge, through the Harvard Bridge, to just short of the BU Bridge. These races are just the

beginning of what appears from all indications to be one of the most exciting and successful seasons in MIT history.

Lights Shoot For Top

For the lightweight oarsmen, things are now measured in

terms of being best in the nation. Last year, they proved this by being part of a three way tie for first place with Navy and Cornell at the EARC sprint regatta at Worcester, Mass., which pits against each other the best lightweight crews in the East. As a result, they went to Henley, England to compete in the international championships, which are held the first few days in July. They were defeated in their second race by the crew from the National Provincial Bank of London. No one came as close to beating the Bank crew as the lightweights did, and the Bank crew set a new record for the one and five-sixteenths mile course in defeating the Tech crew.

This year, under the captainship of Bob Vernon '63, the lightweights boast four returning lettermen and a powerful newcomer, Ron Cheek '63, who has rowed with the varsity heavyweights for the past two years. 27 other oarsmen round out a strong and spirited four-boat squad.

Heavyweights Have Depth

The heavyweight squad, though having suffered the loss of several valuable and experienced oarsmen, has been revitalized by the influx of many capable sophomores. Captained by Anthony Fiory '63, the heavyweights have seven returning lettermen and three and a half boats on the water. The varsity heavyweights two years ago had just enough oarsmen for two boats, and were considered to be the best in many years. This year's greater depth can have important value with respect to increased team spirit and success.

Frosh Look Promising

The freshmen, who have trained hard all winter on the newly installed rowing tank in the basement of the Armory, look very promising this year. The frosh lightweights have five boatloads of oarsmen on the water, and the heavies have three. These two squads haven't had a chance to prove themselves yet, but from all indications possess the potential of ranking high in the nation, as Tech freshmen squads have done in the past.

Strong Winter Program

In anticipation of this year's season, all squads have been participating in a vigorous winter program of exercises, running, weightlifting and rowing on the indoor rowing machines. Full training, which started with the beginning of the second term, was climaxed by a physical fitness test, which was given for the second time this year. The scoring was far above that of last year, indicating the potential for a great '63 season.

Ready To Go

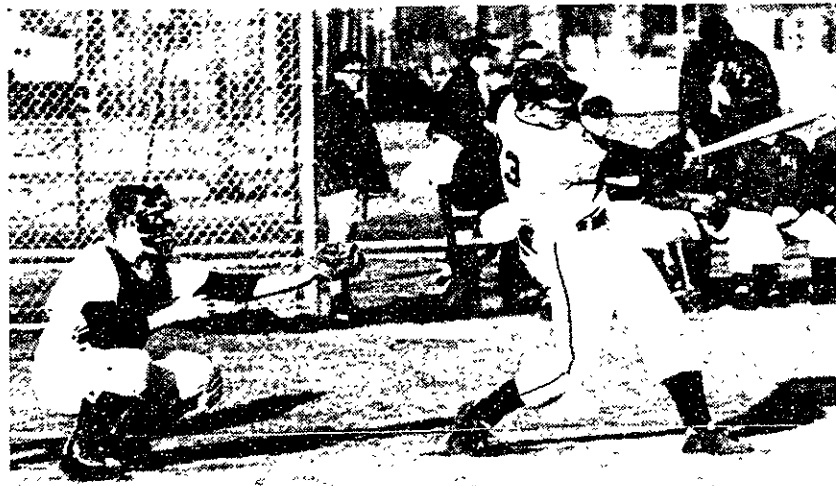
The races this Saturday will start with the second frosh race at 4:00 p.m. The first frosh row at 4:30 p.m., the J V at 5:00 and the varsity at 5:30. Boston University rowed very well last Saturday, soundly defeating Fordham University on the Charles. Our race with them should prove most interesting for oarsman and spectator alike. Varsity Coach Jack Frailey and freshmen mentor Richard Erickson have primed their squads for this opening contest. So come down to the banks of the Charles this Saturday and spend an enjoyable afternoon cheering your crews to victory.

Tech nine downed by Trinity, Wesleyan

The Tech nine dropped two games last week to bring their season record to 1-5. The team traveled to Hartford, Conn., Wednesday, April 3, where they lost to Trinity College 9-4. Wesleyan College walloped MIT 18-2 on Briggs Field Saturday, April 6.

Trinity got to Tech hurler Bob Yanus '64 early in the game with six runs on four hits and two errors in the first inning. Henry Nau '63 came in after 2/3 of the first inning, gave up three more runs in the second inning, and then held Trinity scoreless for the rest of the game.

Wesleyan got 18 runs on 14 hits and committed no errors in defeating MIT by 18-2. The winning pitcher was Terry Burks who pitched six innings, struck out four and walked one batter. The



Dave Dunford slams a double to left in Saturday's game with Wesleyan. Wesleyan won the contest 18-2.

losing pitcher was Harold Branson '63 who went two innings, gave up 8 runs, struck out 3, and walked seven.

	M	T	R	H	E	R	H	E
MIT	0	0	2	0	0	2	0	0
Trinity	6	3	0	0	0	0	0	0
MIT	0	0	0	0	0	1	0	1
Wesleyan	3	2	5	2	1	1	4	0

Trackmen fall to Northeastern, 76-58

MIT's outdoor track squad was downed by Northeastern 76-58 in their first meet of the season. The Techmen recorded six first places and eight second places in Saturday's wind-swept contest

but they could not overcome the Northeasterners.

Al Tervalon '65, Jim Flink '64 and Terry Dorschner '65 swept the 120-yard high hurdles in that order. Dorschner and Tervalon

came back for first and second in the 330-yard intermediate hurdles with captain Forrest Green '63 finishing third. Flink was high scorer for MIT as he placed second in the 100-yard dash in 10.4 seconds and won the 220-yard dash in 22.9 seconds. Green finished third in the 220-yard event led all the way to win the 440-yard dash in 51.9 seconds. Senior Tom Goddard placed second in both the mile and the half-mile. Tech Takes High Jump, Pole Vault MIT won two field events as Bill Eagleson '64 finished first in the high jump and Gary Lukis took the pole vault. Dave Carrier '65 and Roger Hinrichs '63 took second and third in the broad-jump, Jerry Dassell, '64, placed second in the hammer throw, and Kim Sloat '64 took second in the shot put.

Frosh Also Lose

Tech's freshman team was defeated by Northeastern 67-61. Joe Rife was high scorer for the Engineers, as he won the shotput, the discus and the hammer throw.

Other notable performances were given by Tom Jones in the 120 yard high hurdles and the high jump; Rex Ross, who placed in the 100 and 220 yard dashes, the broad jump and the javelin; Sumner Brown in the mile and the half mile; and Larry Schworer and Rusty Epps in the quarter mile.

Both the varsity and freshman squads are slated to meet Williams away next Saturday.

Eight IM softball leagues swing into action

Intramural softball got underway this past weekend with 17 of 21 scheduled games being played. There are 45 teams competing in softball this year, and the teams have been divided into eight leagues. After the regular schedule, the league leaders will compete in a tournament, with the finals scheduled for May 12.

Last year's winner, Paradise Cafe, showed promise of another winning season by defeating NRSA, 12-6. Runner-up East Campus registered an impressive 15-7 victory over Burton A, and 1962 third-place finisher Alpha Epsilon Pi routed Theta Chi by a 22-10 score.

Last season's fourth and fifth place squads were defeated in their openers, Grad House Dining Staff falling 12-11 to Burton B, and SAE losing to Senior House by 17-12.

Team	Score
Paradise Cafe	12, NRSA-A 6
East Campus	15, Burton A 7
AEP122	TC 10
Burton B	12, Grad Hse. Din. 11
St. House A	17, SAE 12
Chi Phi	11, SPE A 5
SAM	17, PSK 2
Student Hse.	18, TX 7
ZBT A	14, KS 12
Baker C	26, SC 10
PLP	13, TDC 9
East Campus	15, Burton A 7
GMS	9, LCA 7
ATO	18, SPE B 7
Chem Eng.	15, NRSA B 7
GEA	23, PEE 17
TEP	5, PGD 3
Club Latino	PKT (postponed)
PKE	PKS (postponed)
PMD	PDT (forfeit)
Baker A	Grad Hse. (forfeit)

On Deck

- Tuesday, April 9**
Baseball—Northeastern, Home, 3:00 p.m.
- Wednesday, April 10**
Heavyweight Crew—Andover (F) at Cambridge.
Lacrosse—Harvard, Home, 3:45 p.m.
Cambridge School (F), Home, 4:00 p.m.
Tennis—Harvard, Away, 3:00 p.m.
Browne and Nichols (F), Home, 3:00 p.m.
- Thursday, April 11**
Baseball—Boston College, Home, 3:00 p.m.
- Saturday, April 13**
Baseball—WPI (Double Header), Away, 1:00 p.m.
Middlesex School (F), Away, 2:00 p.m.
Heavyweight Crew—Boston University (V, JV, F), Tabor (F) at Cambridge.
Golf—Tabor Academy (F), Away, 1:00 p.m.
Lacrosse—Union, Away, 3:00 p.m.
Governor Dummer Academy (F), Home, 2:00 p.m.

How They Did

- Baseball**
Trinity 9—MIT 4
Wesleyan 18—MIT 2
- Lacrosse**
Boston Lacrosse Club 7—MIT 4 (called after 3 periods)
- Track**
Northeastern 76—MIT 58
Northeastern (F) 67—MIT 61
- Sailing**
MIT won the Geiger Trophy

Sailing— Sharpe Trophy, Providence. Regatta at Tufts (F).
Tennis— Williams, Home, 2:00 p.m. Andover (F), Home, 2:30 p.m. Track—Williams (V & F), Away, 2:00 p.m.

Monday, April 15
Golf—Tufts, Home, 1:00 p.m.
Tuesday, April 16
Golf—New Prep (F), Away, 1:15 p.m.
Lacrosse—Holy Cross, Home, 3:45 p.m.

The MIT Lacrosse Team played the Boston Lacrosse Club on a wind-swept Briggs Field Thursday, April 4. The game was called after three periods because of the high winds with the Techmen behind 7-4.

Tony Weikel '63 was high scorer for MIT with two goals and one assist. Wayne Matson '64, scored one goal and an assist; and Bill Dreiss '64, scored the fourth goal. The big event of this week is the game against Harvard today at Briggs Field. The game starts at 3:45 pm and the Tech squad will face a tough battle, having lost to Harvard 15-3 last year. But the Techmen will play hard against their traditional rival, and a large spectator turnout would lend them support.

Sailors win in overtime

MIT takes geiger trophy

MIT's varsity sailors won the Geiger Trophy in their first regatta of the season last Sunday. The University of Rhode Island finished second, Harvard came in third and Boston College was fourth in the contest.

The Engineers lost the first two races to Harvard, but came back to take two from BC and two more from URI. At the end of the regular races, Tech was locked in a three-way tie for first with Harvard and URI. In the ensuing sail-off, Ken Klare '63 took first while Mike Lifshitz '63 finished third. Scott Hynek '65 followed closely along with Dave Hoover '63. Also sailing for Tech were Lee Veneklasen '64, Dave Schlosberg '64, Fred Kern '65 and Neil Golden '63.

47 teams vie for IM table tennis title

Forty-seven teams are competing in intramural table tennis this year. Two divisions have been formed, with four leagues in each. Each league has six teams, and each team will play all the others in its league. The top two teams from each of the major division leagues and the top team from each of the minor division leagues will be eligible for the final playoffs.

Winner	Results
Baker A, Burton D	Loser

Stickmen set to meet Harvard today



Tony Weikel (7) carries ball for MIT in last Thursday's contest against the Boston Lacrosse Club. High winds forced game to be called with Tech stickmen trailing 7-4. —Photo by Joe Baron

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