

4 Student Textbook Agents Are Dealt Pencil Probation

The Technology Textbook Agents—Derk Pearson '64, Gene Salamin '63, William Schmid '63 and Erwin Strauss '65—have been placed on 'pencil probation' by the Institute Committee Judicial Committee. The quartet pleaded guilty to three charges and was found guilty of a fourth charge stemming from its advertised plans to sell 'pirated editions' of American textbooks at MIT.

The Judicial Committee, which acted on the case at the recommendation of Incomm's Executive Committee, reached its decision early last week. The import of 'pencil probation' is explained in the official Judcomm statement appearing below.

The controversy surrounding TTA's operations started soon after the group's April 7 advertising flyers announced TTA's intentions of selling texts at less than one-half the American retail price. The volumes, known as "pirated editions", were to be photo-offset copies of existing American books, printed in countries (Formosa, the main one) which do not subscribe to the International Copyright Agreement. They can be priced much below American retail prices because of the typesetting and royalty savings.

The legality of importing such books with the intent of sale in the United States is questionable. Apparently it is at least legal to bring the books into the U. S. for personal use, a fact which has for a long time irritated American publishers.

The question of legality was not a factor in the Judcomm decision, based solely on violations of MIT-based instructions. Also not considered by Judcomm was the ethicality of TTA's operations. TTA had indicated it would pay royalties to the authors whose works it sold.

TTA withdrew its advertising posters from the Institute bulletin boards soon after the controversy bloomed. At the Executive Committee meeting, the group announced it was completely abandoning plans for importation of the books. However, the group has since affirmed that it is still considering selling MIT humanities course texts, in legitimate United States editions, next year.

Statement Of The Institute Committee Judicial Committee

As a result of the hearing of the Judicial Committee on April 16 Messrs. D. Pearson, W. Schmid, E. Salamin and E. Strauss are placed on Dean's Office probation for the duration of their undergraduate stay at MIT. As a condition of this probation, the Judicial Committee has recommended to the Dean's office that if any of these students be found guilty of an offence by any Judicial Committee or the Dean's Office, that he be expelled from the Institute. All record of this probation shall be removed from the permanent transcript of these individuals upon their graduation from the Institute (pencil probation).

The four persons named, operators of the Technology Textbook Agents were found guilty of:

- 1) asserting that they had the approval or sanction of the Institute in their enterprise, which in fact they did not.
- 2) attempting to use the Institute mails without permission and for a commercial purpose.
- 3) using the Undergraduate Association bulletin boards without permission.
- 4) failing to follow the advice of

(Please turn to page 9)

Tours, Luncheons, Sports Mark Parents' Weekend

Parents' Weekend Section

Pages 12-17

Visiting MIT Saturday and Sunday will be more than 800 parents of undergraduate students. Coming from as far as California, they have been invited to Cambridge for the Institute's fourth biannual "Parents' Weekend." Planned by the students of all four undergraduate classes, Parents' Weekend alternates each year with an Open House for the general public.

Pre-registration data indicates that electrical engineering is the most popular course with parents. Over 200 families have expressed an interest in this department. Physics and mathematics are the next most popular departments with pre-registration figures set at 180 and 125 families, respectively. As of Wednesday,

lectures, luncheons, departmental April 18, 1273 people were planning to attend Parents' Weekend. This figure represents 406 families.

Variety of Events

Over the weekend, parents will be treated to a varied schedule of theater, musical entertainment,

tours and demonstrations, and intercollegiate and intramural athletics.

After registering on arrival Saturday morning, parents will have the opportunity to attend classes, meet freshman advisors, tour the Nuclear Reactor and Computation Center, and hear demonstration lectures by Dr. Harold C. Edgerton, professor of electrical engineering, and Dr. John Wulff, professor of metallurgy.

Dr. Julius A. Stratton, President of the Institute, will address students and their families at 8:30 Saturday evening in Kresge Auditorium immediately following banquets in Walker Memorial and Burton House. The evening will conclude in Kresge Auditorium with a performance by student finalists of this spring's All-Tech Sing. The Dramashop will run a program at the same time in the Little Theatre.

Saturday Activities

Designed to give parents firsthand contact with students, faculty, and administration as well as a cross-sectional view of undergraduate life at MIT, Parents' Weekend will present opportunities for parents to talk with professors and administrators at the noon luncheons Saturday, and at informal departmental seminars and teas.

Departments, in addition, have planned student demonstrations of laboratory experiments and class work. Several students in the electrical engineering department will demonstrate the music-making and game-playing capabilities of the experimental TX-O and PDP-1 computers.

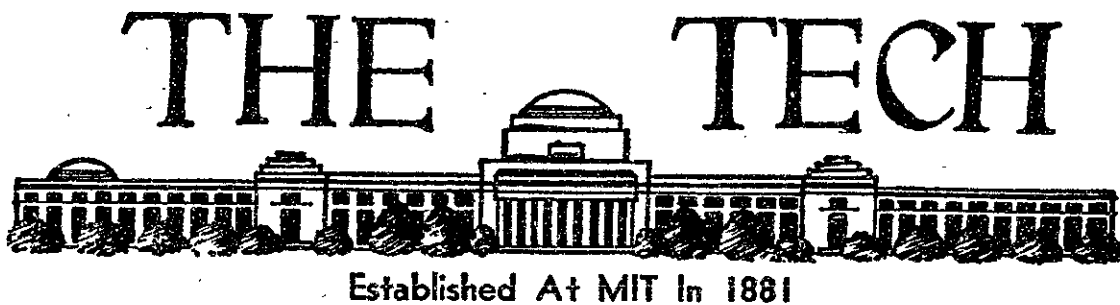
Sunday Schedule

The Weekend will close Sunday afternoon with open houses in the various living groups and in the home of Dean Frederick G. Fassett, Jr., Dean of Residence. Earlier in the day religious services will be held in the MIT Chapel.

Throughout the Weekend the Massachusetts Science Fair, being held in Rockwell Athletic Cage, will be open to visiting parents who wish to see advanced work in science produced by high school students.

Co-Chairmen of Parents' Weekend are Michael L. Jablow '62 and Bardwell C. Salmon '62. Other student members of the committee include Robert Blumberg '64, William Carither '64, C. Bert Knight '64, Henry McCarl '62, Dale Miller '63, Thomas Perardi '64, and Douglas Veenstra '64. They have been assisted by a faculty advisory committee.

Drawings Of Proposed Student Union Released — See Page 10



Vol. 82, No. 11

Cambridge, Massachusetts, Wednesday, April 25, 1962

5 Cents

At Next Meeting

Frosh Prexy Seat Is Incomm Topic

The next Institute Committee meeting will discuss the question of seating the Freshman Class President on Incomm, reported UAP Woody Bowman at the April 19 meeting.

Also to be considered is an intercollegiate conference next spring. Steve Kaufman will present the specific proposals and will act as chairman of the committee to run the project if it is approved.

Reports from FCC on Orientation Week plans for next fall, from the Activities Valuation Committee, and from the Executive Committee regarding the future status of Preview will be given before Incomm.

The Student Union Committee, composed of Woody Bowman, Allen Womak, and Steve Warner, will represent the undergraduates to the MIT Building Committee at the review of the drawings of the Student Union. The meeting will take place shortly and the drawings should be released immediately afterwards for comment by the student body.

Senior Seriously Injured In Thesis Lab Explosion

George Chris Pedersen '62, Chemical Engineering, was seriously injured Saturday from a methane-oxygen explosion in Building 12.

In addition to burns, Pedersen suffered severe cuts on the face and neck caused by flying glass. Pedersen had been working on his thesis project, converting methane to acetylene at high temperatures, when the apparatus exploded. Two other people in the lab were uninjured.

Dave Koch '62, who was in the lab during the explosion, said the accident was avoidable. Pedersen was admitted to Baker Memorial Hospital April 21, and is expected to be released in a week.

Pile Driver Begins Double Shift

The pile driver at the Earth Science Building construction site goes on a double shift this week, due to unforeseen problems. Work must remain on schedule for the concrete pouring to be finished by winter.

120-foot piles are being driven into holes, pre-drilled 85 feet deep. The piles, hollow tubes sealed at the bottom, are lowered into pre-dug holes.

A steel driving core is put in the pile. The core hammers on the bottom of the pile so that it is pulled rather than pushed into the ground. When in place, the pile is filled with concrete.

Eyesore Barge Appears On River As Realtor Flouts The MDC

By Carl Wunsch

The local real estate dealer who threatened to sink a barge in front of the Charles River Yacht Club on Memorial Drive has removed it for "further renovations."

John Briston Sullivan, who a year ago announced plans to build an apartment house on stilts on the same site, claims that he owns the land on which the yacht club is situated. He has used the barge to dramatize his fight with the Metropolitan District Commission over title to the land.

Two weeks ago, Sullivan had a barge, 131 feet in perimeter, towed through the Charles River locks and anchored in proximity to the yacht club. Claiming that he had received a building permit from the City of Cambridge for 45 Memorial Drive, exactly 131 feet in perimeter, Sullivan threatened to sink the barge in the river, and thus impede access to the yacht club.

A few days ago, the barge disappeared as mysteriously as it had come, "fading off into the fog," as Sullivan put it. Monday night, the realtor said that the barge will "not be sunk this week." Whether the barge will appear and disappear periodically like the fabled Marie Celeste remains to be seen.

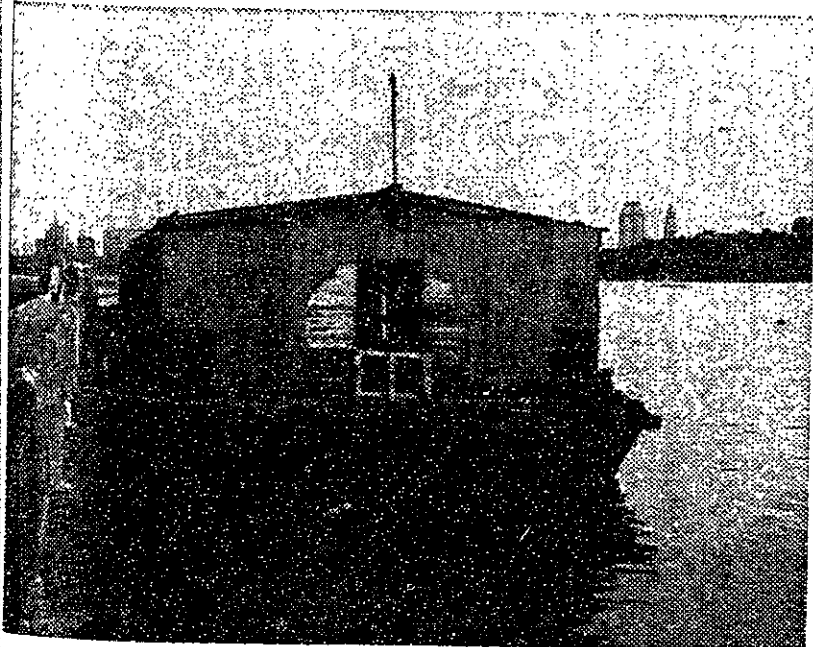
Sullivan said that the Metropolitan District Com-

mission flooded the land with the building of the Charles River Dam many years ago, according to statutory right. His complaint stems from his claim that the Commission had no right to permit the Charles River Yacht Club to build on his land. Sullivan said that he is paying taxes on the submerged land, and that while the MDC had the power to flood the land, they had no other rights pertaining to it.

According to the real estate dealer, he purchased the rights to the land in 1957 from the estate of Joseph White, who had obtained them from the MDC. The MDC had originally taken the land by right of eminent domain for the building of Memorial Drive and then sold it to White.

Sullivan had threatened to carry his suits against the MDC and the yacht club to the US Supreme Court. Suit is currently pending in the state Supreme Court.

The Harvard Crimson recently reported that Sullivan had threatened to anchor his barge in front of the home of MIT President Stratton. When asked about this, Sullivan denied he bore any grudge against Stratton, and denied having any intention of defiling the President's view of the river.



Sullivan's barge, tied up in front of the Institute last week.

—Photo Courtesy The Harvard Crimson

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FREE PARKING

Prof. Hagen Disputes

Economic Theory Is Labelled A 'Myth'

By Jason Fane

Prof. Everett E. Hagen said the theory that social overhead capital is the prerequisite to economic growth in underdeveloped areas is mostly a myth.

In a lecture April 17, he said human initiative and small creative entrepreneurs are more important factors in fostering growth, than social overhead capital.

Social overhead capital refers to "basic" facilities: railroads, power plants, steel, etc. The term was coined in the 1940's by Dr. Paul Rosenstein-Rodan of the MIT economics department.

According to the social overhead theory, railroads and power plants be built on a large scale in order to be efficient. If a nation cannot get enough capital to build a large

plant it faces a roadblock.

Actually, Prof. Hagen says, a small power plant may furnish power just as well. Although the cost per kilowatt hour may be slightly higher than with large stations, it will still be low enough for the plants to help the economy. The same is true for roads, railroads, and other basic facilities.

To prove his points, Prof. Hagen cited 18th Century England as a nation that had large scale economic growth without any railroads, power plants, steel, etc. Without the benefit of any technology developed in other lands, England had the first Industrial Revolution.

To illustrate his contention that small facilities are adequate to do the job of initiating growth he showed slides of a small railway locomotive used on Colombia's first railroad. The locomotive is smaller than a modern automobile, and was carried over the mountains by teams of men serving as beasts of burden.

Dr. Hagen is a professor in the MIT economics department, and has studied intensively the factors that promote economic growth in underdeveloped areas and traditional societies. From 1951 to 1953 he was a consultant on economic growth to the government of Burma.

The lecture was sponsored by the Inter-American Program of the Civil Engineering Department. It was part of a series of weekly lectures given in 3-133 Tuesdays at 4:00.

CLASSIFIED ADS

Typed, prepaid classified ads may be submitted to The Tech, Walker Memorial. Rate: 20 cents per 30 character line.

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**TECH
COOP**

Four Students Attend Yale Colloquium, Hear Boulding, Fulton Lewis

By Don Goldstein

Four politically conscious Techmen attended an intercollegiate colloquium entitled "The Challenge of the Crisis State," held at Yale University April 13 through 15. Gerald Gottlieb, '62, Jason Fane, '63, Ronald Baecker, '63, and Don Goldstein, '65, represented MIT at the colloquium, sponsored by a Yale group called "Challenge," dealt mainly with the internal economic, social, political, and moral effects of the cold war upon the United States.

Although they termed the conference a broadening experience, all four students were somewhat critical of the quality of some of the speakers, most of the other student participants. Senator Bartlett, the opening speaker, "made me question the validity of the democratic system," commented one of them. Another characterized his talk and his answers to questions as "bombastic nothingness."

The next event was a debate between Norman Thomas and Fulton Lewis III, on the topic, "Resolved: That America's response to the Cold War has imperiled her democracy." Thomas pointed to the economic and psychological commitment of the United States to the arms race, mentioning that already one-half of the research money and one-third of the scientists and engineers in the nation are being diverted to the defense effort.

Lewis' reply said, essentially, that America had not yet made a response to the cold war. Likening America to a football team with a losing streak, he called for a "new coach," and a "new goal," specifically the liberation of the world from totalitarianism, rather than peace.

Professor Kenneth Boulding of the University of Michigan was generally acclaimed to be the most stimulating and challenging of the speakers. Terming the nation-state as "militarily obsolete," Boulding showed why this was true by means of a theoretical system analysis. He complained that not nearly enough intellectual effort, particularly of an international character, is being devoted to study of the real problems of living in the 20th century, and that the U.S. today seems to be afraid to face disarmament, mainly because "we just don't know the 'rules' of how to live in a disarmed world."

Max Lerner also favorably impressed the four MIT representatives. His talk centered about three factors that he felt were essential to America's continued survival and progress: and "elon" or life force, and "elite" or leadership superior in both character and ability, and an "ethos" or system of values central to our culture.

The most prominent criticisms of the colloquium were directed at the student seminars and the platform co-ordinator, Professor Huntington of Columbia. "Discussions were conducted on the most superficial level, and I was also disappointed by the lack of dynamic or intelligent leadership at my seminars," said Ron Baecker. Jason Fane found the educational value of one seminar in the fact that, "It was interesting to see how crudely students with a non-scientific education handle problems in their own area."

Professor Huntington, who called himself "an ardent advocate of the status quo," antagonized much of his audience by describing the Radical Right and the Peace Movement as being equally dangerous to America and as quite similar in aims, methods, and psychology.

UAP Bowman Dunked At APO Spring Carnival



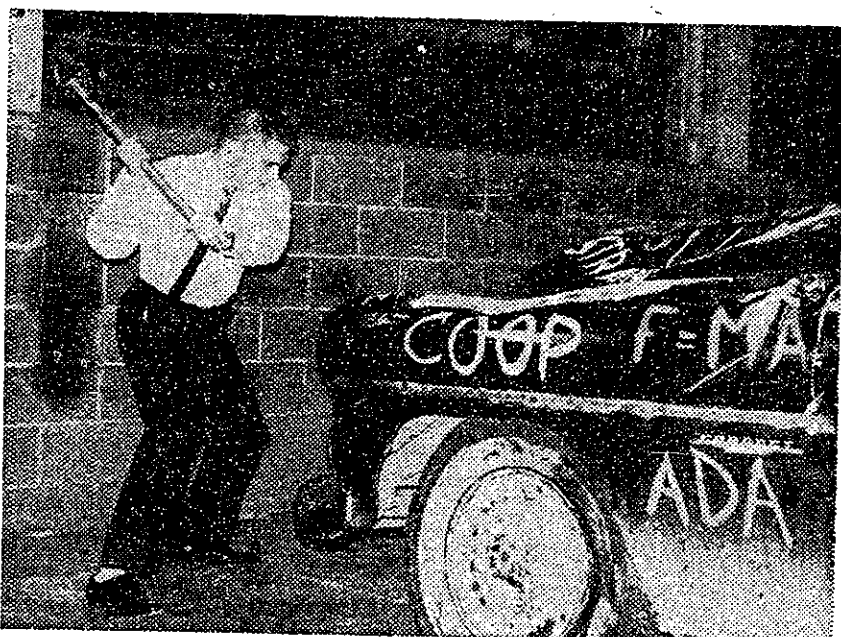
Woody Bowman '63, UAP, drops into a tank of water at the Zeta Beta Tau booth. Ron Gilman, president of the class of '64, was given the honor of dunking him.



Dean Fassett crowns Nancy Quinn Queen of the APO Carnival, as her date, Gary Helmig '62, watches. Nancy attends the Prince School of Retailing of Simmons College.

—Photo by Conrad Grundlehner

—Photo by Curtiss Wiler



A Techman works out his frustrations on an old car. Wreckers were given the opportunity of trying for pieces as souvenirs or aiming for "The Coop", "5.02", "Stratton", and various other symbols of the student's troubles.

By P. Berube

Nineteen hundred people took part in the APO Spring Carnival Saturday, April 21, at Rockwell Cage. Profits are estimated at \$300.

The Carnival, sponsored by Alpha Phi Omega, featured 27 booths, each managed by a different campus activity. These booths collected 10,000 tickets, at 10 cents each.

The "Ducking Pool," by Zeta Beta Tau, won the most original booth award. This was a canvas pool with five feet of water. Customers could shoot two balls at a target thirty feet away; a good hit tumbled into the water whoever was sitting on a platform above the pool. Woody Bowman, President of the Undergraduate Student Association, served as one of the victims.

Phi Delta Theta won the award for doing the most business with a numbers game, using

stuffed animals for prizes. Hamster races were held at the Sigma Phi Epsilon booth. Parimutuel bets were taken on the animals.

Queen of the Carnival was Nancy Quinn, a retailing student of Simmons, the date of Gary Helmig '62.

Profits this year declined slightly from last year. The money will be donated to the Boy Scout movement.

'Fanny Full Of Fender' Sought For Tech Hitchers

George Frazier, in his column "... Another Man's Poison" in the Boston Herald Monday, April 23 wrote:

"Not a lift, but a fanny full of fender should be the answer to those MIT students who thumb rides across the Mass. Avenue Bridge."

Inscomm Elects

Institute Committee met Thursday April 19 for five hours and elected twelve committee chairmen and board members.

The results of the election are:

Judicial Committee Chairman: Bob Morse elected over Ken Weyler and Bill Jessiman.

Judicial Committee Secretary: Ken Wyler elected over Bill Jessiman.

Executive Committee Member-at-large: Jim Champy over Jim Holcroft (declined nomination) and Ron Gilman.

SCEP Chairman: Al Kessler elected on a white ballot.

FCC Chairman: Bill Pinkerson elected over Lanny Gardner.

IPC Chairman: Juan Calvo elected on a white ballot.

PRC Chairman: Bob Johnson elected over Art Connolly and Ralph Grabowski.

Finance Board-Junior Members: Steve Miller, Jerry Luebbers, and Bob Scott elected over Don Alusic, Dick Carpenter, Bob Clark, and Bert Knight.

Finance Board-Senior Members: Frank Verlot and Mike Lifschitz elected over Bob Morse.

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Deadlines: Advertising, noon Thursday. Entertainment,
Features, Letters to the Editor, Photography, Sports, noon
Sunday. News, 7 p. m. Monday.

Make-up: Editorial, Sports, Entertainment, Features —
Sunday, 1-4 p. m. News — Monday, 7-11 p. m.

Office Hours: Monday, 11-12; Tuesday, 11-12, 2-4; Wed-
nesday, 11-12, 2-4; Thursday, 10-11, 2-4; Friday, 11-12, 1-3.

Unsigned editorials appearing in THE TECH constitute
the opinion of the newspaper's Board of Directors, and not
that of MIT. The newspaper welcomes letters from its
readers. Space permitting, such letters will be printed in
whole or in part, if deemed by the editor to be of sufficient
interest or benefit to the community. Brevity increases the
chance of publication. Anonymous letters will not be printed.
Names will be withheld upon request.

To Parents

We of The Tech would like to extend a cordial greeting to the 400 families who will be on campus this week to participate in MIT's fourth bi-annual Parents weekend. You will be given a brief glimpse into the ways we live and work, shorter than we might have wished, but long enough, we hope, to be enjoyable and informative.

Parents' Weekend, like so many MIT activities, is conducted by the Undergraduate Association, which is a long way of saying that it is not only the administration and faculty of MIT, but also we as members of the student body who have planned and are interested in your visit.

Time is short; see as much as you think you can enjoy, but try not to miss our outstanding crew's bouts with Yale, Harvard and Dartmouth Saturday.

Our only request of you is that you return home with a little better idea of MIT and how it works. And know that though we may complain a lot, it is still a pretty good place.

Student Union

MIT's proposed student union reflects a new trend in long-range campus planning. Its location is part of a plan to move the focus of community activities and especially of undergraduate activities to the west side of the campus. It will tie together geographically the Institute's athletic program with other extra-curricular activities, and will be close to the areas of proposed dormitory expansion. It points to the eventual elimination of the East Campus area as a center for undergraduate housing.

This shift of geographical emphasis will not be upon us quickly, but will probably accelerate rapidly after completion of the center.

Another interesting facet of center philosophy is implied by the large amount of space which will be devoted to activities for individuals and unorganized student groups, an area in which this campus has long been deficient. The union plans presently contain a number of open lounges, a bowling alley, an open

darkroom, music practice rooms and a room for arts and craft work.

These "open" rooms, when considered with the union's four dining facilities and commercial space, should ensure that the center will be used by almost everyone on campus.

Walker Memorial, which has since the construction of the du Pont Athletic Center been the focus of non-athletic extra-curricular activities, has been devoted almost entirely to space for organized groups.

The disposition of Walker Memorial after the center is finished is still undetermined. Present plans do not call for moving WTBS, and unless the center is expanded immediately, it is very probable that other new activities will find space in Walker.

Student union planning has hit a snag in increased foundation costs, leaving the future of the center in doubt. We do not feel that the amount of money allotted for the construction of this single non-academic student facility is commensurate with its announced goals. If however, the Institute should be unwilling to allot more funds and must limit its present plans, we suggest that other alternatives be considered. Why not extend and remodel Walker? It seems we might be able to get more for the two and one half million dollars the Institute has earmarked for the construction of the student building commercial facilities on the West Campus site. It would be desirable to have all facilities together in one central location, but if we cannot raise enough money then let's not compromise our needs.

The Casino

An era is coming to an end in Boston. Burlesque is going to die. The Gaiety, the Park, and the Globe are long dead. The corpse of the Old Howard has been cremated. And now the Casino is being crucified. On Good Friday, April 20, Mayor Collins of Boston pronounced the death sentence, the new government center in Scollay Square will be built on the Casino's remains.

Bumps and grinds and the old comic will be gone from Boston. The Record-American, in an intense campaign of an editorial and some candid photographs, convinced Mayor Collins to order the city censor to revoke the Casino's license. ("Take off!" rather than "Take it off!") And yet the Record-American still carries the Casino's daily advertisements. (This week Kismet; next week Chili Pepper.)

Opposition to the Casino Theater is morally based. The tradition of burlesque in Boston, the unique nature of the burlesque comic, the high regard which many of the performers have for their art, and the esteem in which these performers are held by their fans, all of this has been set backstage to the size and thickness of G-strings.

Well then, let them make the G-strings a bit bigger and thicker, and then the opposition will have barely a leg to stand on. The proposed new theater on Washington St. has been guaranteed clean by the management. City censor Richard J. Sinott claims that the new Casino would be like a "breath of spring" compared to other Washington st. establishments.

So why oppose it? A breath of spring is most certainly welcome in the days of the bomb. A few letters to the mayor might well help him to change his mind.

Letters to The Tech

Penfriends Wanted

To the Editor:

I have started an international penfriends' club in Sydney, and have many Australians on my books, university students and others, who would like to correspond with students of your Institute.

There are wonderful opportunities in the world today for the enrichment of individual experience by contact with other kinds of people, new ways of life, and unfamiliar examples of the beautiful and interesting on art and nature.

To offset this, we have ignorance

and prejudice, and the fears that they breed. Intellectual contact between people of all races, creeds and color can help to break down these barriers, and even a small ripple on the dark pool of mutual misunderstanding should not be underrated.

Those interested can write to me direct, telling me their age group, interests, etc. I shall do my best to put them in touch with those of similar tastes here.

Mrs. D. Clyne,
7 Catalpa Crescent,
Turramurra,
Sydney, N.S.W.
Australia

Kibitzer

By Steve Levy '63

NORTH

♠ J 5 4 3 2
♥ A J 5 2
♦ A K 9 3
♣ —

SOUTH

♠ A Q 10 7
♥ Q 10 8 7
♦ J 5 4 2
♣ 5

Contract: 6 Spades

Opening lead: King of Clubs

The hand for this week comes from a unique book on the play of the hand, *Spotlight on Card Play* by Darvas & Lucas. By a series of questions they lead the reader through the critical junctures of several hands.

The distributional nature of the North-South hands warns declarer to take every precaution against unbalanced distribution in the opponents' cards. What is the best play in trumps? The play of the jack is clearly superior because it allows declarer to pick up the whole suit even if East has all outstanding trumps and the jack keeps the lead on the board in case another finesse is required.

What suit do you attack first? Since the play of hearts can only go one way and the play of diamonds depends on how many tricks can be lost there, hearts are tried first. The lead of the ten of hearts is preferred to that of the queen. If West covers the ten it is unlikely that he held four or five hearts to begin with because the cover in that situation is extremely difficult to guess; the queen would be covered automatically providing no clue as to a 4-1 split. If West covers the ten, then the play of the jack retains a finesse on the nine four times with East. If West ducks the first heart and shows up with four hearts, declarer retains a finesse on his nine, but he must postpone that until diamonds are tried; he must use the spade entry to his hand to try the second heart fin-

esse and thus, if he does, has no protection against club leads if the queen of diamonds is lost.

The play in diamonds depends on whether one trick can be lost. If so the standard safety play is the Ace followed by low to the jack which guarantees three tricks. What happens if no diamond tricks can be lost? The Ace should be led first. If the queen doesn't drop, the best play is the King of diamonds, not the finesse for the drop of the ten. If the queen drops from West on the first round, the hand is cold; if it comes from East declarer must decide whether East started with queen-ten of queen alone. The same decision is faced if the 10 drops on the first round.

Since Saturday is the major part of Parent's Weekend, the MIT Bridge Club tentatively plans not to hold a tournament then. The next meeting is the May 5 masterpoint game, followed May 12 by the Men's Pairs. The season concludes May 19 with a special Masterpoint game.

PUZZLER

NORTH

♠ 8 5 4
♥ A J 6
♦ Q 10 9 6 5 2
♣ 5

WEST

♠ J 10 7 6
♥ Q 9 5 3
♦ A K
♣ Q 9 2

Contract: 3 NT by North-South
Opening lead: 6 of Spades

Partner's nine of Spades covers your lead and is in turn captured by South's queen. South leads the jack of diamonds. What should West play? Answer next week.

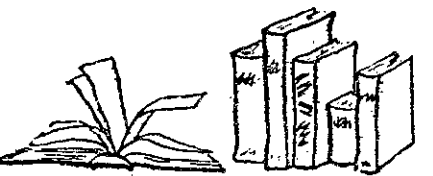
Book Review

My Life In Court

By Mary Gail Menze

Perhaps the most surprising thing about "My Life In Court" is the revelation to the reader that real-life court trials are as dramatic as they appear to be in fiction. Mr. Nizer recounts no sudden exposure of the culprit in the courtroom a la Perry Mason, but he manages to convey some of the intensity attendant to a legal proceeding which may determine the future life and reputation of the principals.

Two of the more interesting accounts involve not murder & mayhem, but such relatively common (yet infinitely more difficult to prove) transgressions as libel and plagiarism, under the right of reply. (Rey-



The first concerns the suit of Quentin Reynolds against Westbrook Pegler, and the second the action brought by the writer (as later proved) of the music for "Rum and Coca-Cola" against Morey Amsterdam and others.

Pegler had alleged in his column, among the milder charges, that Reynolds was a "voluptuary," "fellow-traveler," had a "mangy hide" and a "protuberant belly filled with something other than guts" and coined other epithets too obscene to recount. He cast doubt on Reynolds' record as a reporter at the front during the war by calling him "an absentee correspondent" and a "war-profiteer."

The problem for Mr. Nizer as Reynolds' attorney was to establish the libel to his client and to convince the court that Pegler was exceeding the lati-

(Please turn to page 5)

My Life In Court

Louis Nizer

Doubleday & Co: New York

524 pages, \$5.95

allowed him as a writer had previously written a book in which Pegler was treated with mild disfavor. The lawyer made most effective points crossing Pegler when he various passages to him asked his judgment. When he condemned what Nizer as "pro-Communist propaganda," "utter nonsense" and "the lawyer then tri- antly announced that he been reading excerpts from his own writings! Re- final vindication was an of \$200,000, not taxable, tive damages.

suit for plagiarism was esting mainly because it ed the slow and tortuous ulation of evidence that alypso music written in n Trinidad was the basis e popular hit "Rum and Cola" some forty years . Lacking concrete proof e theft itself, Mr. Nizer ed to an attempt to show riking and uncoincidental nity in the nature of the s and rhythm of the two

tunes. He was able to prove that the sad and haunting chord progressions which accompanied the original tragic lyrics had nonetheless been mated with the seemingly unsuitable comic words of "Rum and Coca-Cola."

Mr. Nizer writes with understanding and sympathy, as when he describes a malpractice suit against a physician and a negligence suit against a railroad, and demonstrates his wily legal acumen in recalling his adventures in the Loews' proxy battle. In speaking of the divorces he has handled, he offers some cogent advice which would behoove many a married couple to read. One or two of the more bizarre divorce cases, however, might better have been omitted from the book, having been given extensive and sensational newspaper coverage at the time: they are scarcely more appetizing in the retelling.

"My Life In Court" has been first on best-seller lists for some months, and if it is popularized courtroom non-fiction, that may not be such a bad thing after all. The reader will surely emerge with a deeper respect for the law, the courts and the officers of the courts.

College World

It was only a week ago yesterday that the revolutionary news stunned the Ivy League. A 261-year-old college was on the threshold of taking the fatal step. A special faculty committee at Yale recommended the eventual admission of women undergraduates as a "substantial proportion of each class."

The committee report went further in stating that "Yale has a national duty, as well as a duty to itself, to provide the rigorous training for women that we supply for men." The report is now under consideration by the Yale Corporation, the university's governing board of trustees. Presently only the professional and graduate schools of Yale are open to women.

Even More Revolutionary

Because the University of California is already coeducational, it must look ahead to new horizons for the expansion of its admissions policies. UCal (at least according to the *Daily California*) is consequently now admitting a new type

Revolutions In Admission Circles: 'Yale Coed' - 'California Venusian'

of female student—coeds from Venus.

Theora Thuvis, the Venusian coed, in an interview with a reporter of the *Daily Californian*, stated that there are now 500 Venusians in the United States. "Most of them are women," she said. "We have a shortage of men on Venus. I'm thinking of taking a few back when I leave."

Theora first got the idea of going to college on this planet from watching a Venusian television program about life on Earth. When asked her opinion about life on Earth, she replied, "You earth people are very interesting. We're six centuries ahead of you, but for a backward race you do rather well."

The interview was part of a publicity promotion for a major social event on campus.

New Policy In Ohio

Admission policy changes are being made in Ohio, too — especially with regard to entrance requirements. Now, it seems, a person can get into Ohio State Uni-

versity by obtaining the proper police recommendation. One Cleveland resident, for example, was recommended on grounds of housebreaking.

His application had apparently been accepted, for the judge informed him, "You are hereby sentenced to one to five years in Ohio State University." The "student" would have had enough time to get his bachelor's degree and to do a year's work on his master's had a court clerk not caught the error. He would have had a state scholarship, too.

Detectives Apologize

Seemingly satisfied to leave "students" to the police, a Houston detective agency decided to concentrate on professors. In fact, it sent out letters to six college presidents in Texas, offering to spy on "controversial professors."

The letters explained "that a number of other schools are already using the system and find it very beneficial and informative." They continued: "The agency does not specify who the controversial professors are, but assures the president that almost every department of a college has a teacher that meets the controversial description and could stand watching." Most colleges using this service were interested in learning of anti-segregation and pro-Socialist activities among their faculty, according to the letters.

In addition, the agency offered to keep an eye on kitchen help and janitors by planting their men in these departments and reporting any signs of trouble to the school presidents.

Professors would be watched by having detectives enrolled in and attending classes like average students and then turning in reports to the agency office.

This entire plan of action was very strenuously objected to by the American Association of University Professors, who wrote to the agency and demanded an apology. The AAUP termed the offer "entirely inconsistent with every concept of academic freedom and academic due process."

At first, the detective agency refused to either confirm or deny that campus investigations were being conducted. Later, the head of the agency apologized to the AAUP and explained the original letter as "a case of misguided sales enthusiasm to get new business."

Yawn. . . Sleep

Detective agencies never sleep, but students (contrary to the hopes of professors) sometimes do. The *Bonaventure* (St. Bonaventure University) recently took a poll to determine just how contagious the dreaded disease, drowsiness, is.

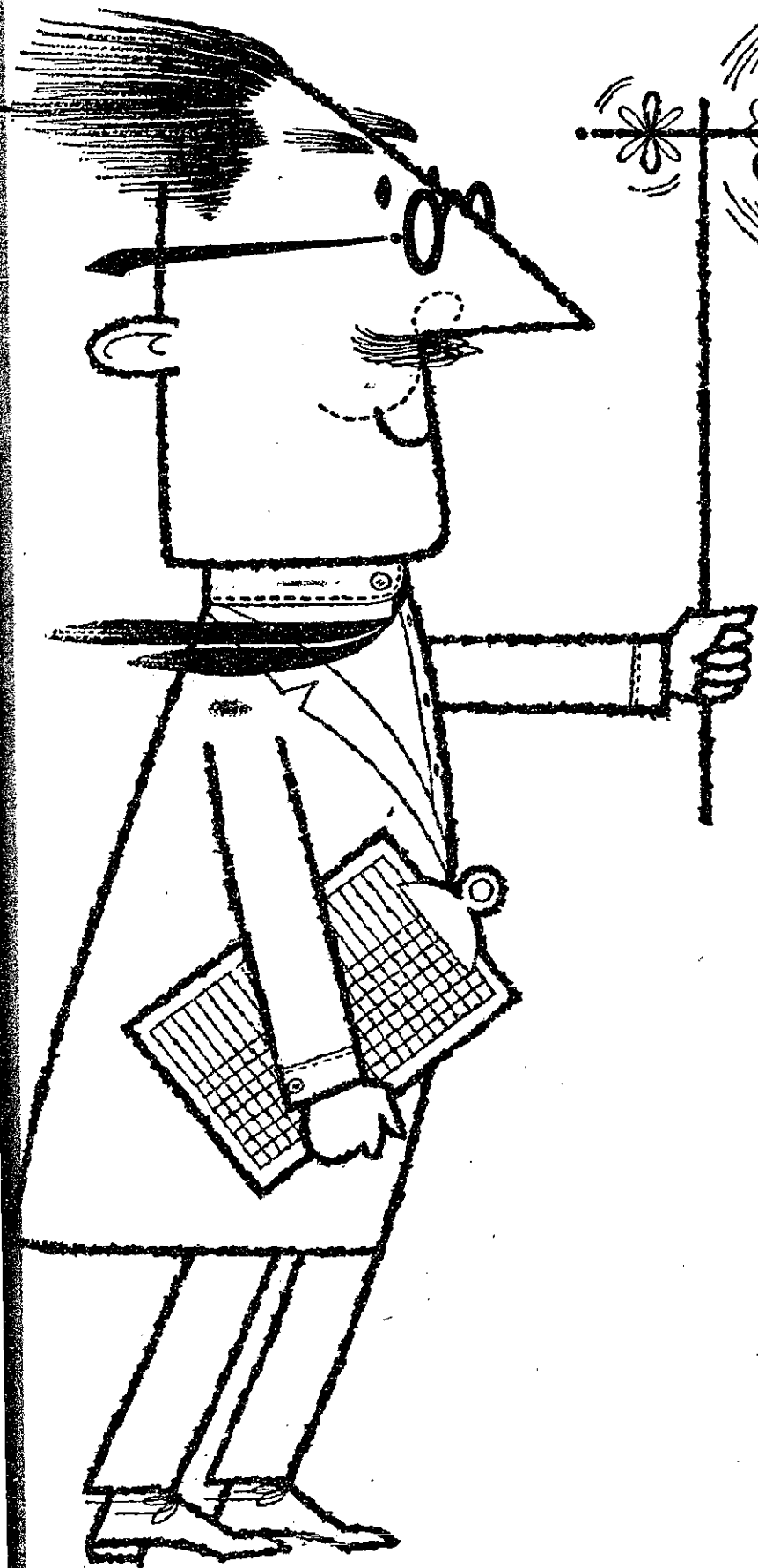
When questioned about the amount of time spent sleeping, Bonamen admitted dozing off from five to fourteen hours daily, averaging 7 hours, 22 minutes per day (or about five hours longer than MIT men).

Among other questions was "Do you sleep with a teddy bear?" This received three unqualified affirmative answers and several comments, among which was: "No. The last teddy bear I slept with bit me." Still other questions inquired about length of afternoon naps (average: 1 hr. 28 min.), sleeping position (favorite: on stomach), retiring time (average: 12:04 a.m.), and preferred type of pillow (best-liked: foam rubber).

Were You Sleeping?

How many of you were awake when you read last week's *The Tech*? Did you notice that one of the classified ads wanted a buyer for a 1964 car?

we've been blowing up a storm!



The reason: to find the shape of the future—future cars, that is. By creating man-made monsoons in laboratory wind tunnels, Ford Motor Company scientists and engineers are able to test the effects of aerodynamic design on the fuel economy, passing ability and stability of passenger cars.

They use 1/4-scale model cars and blow gales past them up to 267 mph—to simulate 100-mph car speeds. In addition to analyzing shapes with an eye to reducing air drag, our scientists and engineers are studying means of improving vehicle control through proper aerodynamic design.

Experimental projects like this are helping pave the way for major advances in tomorrow's cars . . . advances which could bring even better fuel economy, better performance with less engine effort and safer driving at higher cruising speeds. This is just one more example of how Ford is gaining leadership through scientific research and engineering.



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Sat., May 5, 8:30 P.M. at YMCA, 316 Huntington Ave., Boston — Admission \$1.75

On Campus with Max Shulman

(Author of "I Was a Teen-age Dwarf", "The Many Loves of Dobie Gillis", etc.)

CRAM COURSE NO. 4: BATHYMETRY

Continuing our series of pre-final exam cram courses, today we take up bathymetry—the study of ocean depths.

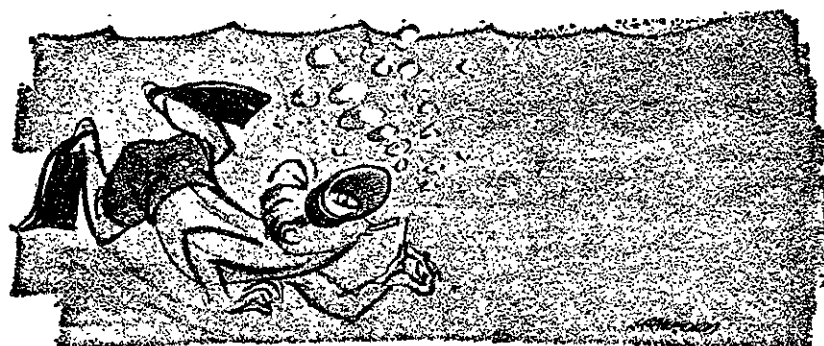
Admittedly, this is not a terribly popular course on most campuses. And small wonder. In the whole world there is only one bathyscape, and only two people can get into it.

Nevertheless, the study of ocean depths is of great importance. Why, do you realize that the ocean is by far the world's largest biological environment? The ocean has more than *three hundred times* as much living room as all the continents and islands combined! Unfortunately, only fishes live in it.

And small wonder. Who'd want to live some place where he couldn't smoke? Surely not I! I wouldn't give up my good Marlboro Cigarettes for the Atlantic and the Pacific put together. Nothing could induce me to forego Marlboro's fine mellow flavor, Marlboro's clean white filter, Marlboro's flip-top box that really flips, Marlboro's soft pack that's really soft. Let others repair to the spacious deeps. Me, I will stick with my Marlboros and the tiny garret I share with a tympanist.

But I digress. Back to the oceans. The largest, as we know, is the Pacific, which was discovered by Balboa, a Spaniard of great vision. To give you an idea of Balboa's vision, he first saw the Pacific while standing on a peak in Darien, which is in Connecticut.

Even more astounding, when Balboa reached San Francisco, he clearly saw the Hawaiian Islands! Being, as we know, a friendly cuss, Balboa waved merrily to the Hawaiians and shouted, "Great little ocean you got here, kids!" The Hawaiians, also, as we know, friendly cusses, waved back, declared a half holiday, organized a luau, built a cheery fire over which they prepared several gallons of poi, a suckling pig, and Captain Cook. This, of course, was the origin of Cooking.



Who'd want to live there?

But I digress. The Pacific, I say, is the largest ocean and also the deepest. The Mindanao Trench, off the Philippines, measures more than 5,000 fathoms in depth. (It should be pointed out here that ocean depths are measured in fathoms—lengths of six feet—after Sir Walter Fathom, a noted British sea measurer of the seventeenth century who, upon his twenty-first birthday, was given a string six feet long with which he used to go scampering all over England measuring sea water until he was arrested for loitering. A passion for measuring seems to have run in the family; Fathom's cousin, Sir Sol Furlong, spent all his waking hours measuring race tracks until Charles II had him beheaded in honor of the opening of the London School of Economics.)

But I digress. Let us, as the poet Masefield said, go down to the seas again. (The seas, incidentally, have ever been a favorite subject for poets and composers.) Who does not remember Tennyson's "Break, break, break"? Or Byron's "Roll on, thou dark and deep blue ocean, roll"? Or the many hearty sea chanties that have enriched our folk music—songs like "Sailing Through Kansas" and "I'll Swab Your Deck If You'll Swab Mine" and "The Artificial Respiration Polka." My own favorite sea chanty goes like this:

*A girl loved a sailor and he did jilt her,
And she did weep and roar-ho!
Until she found a perfect filter,
And a perfect smoke—Marlboro!
Sing hey, sing ho, sing ring-a-ding-ding,
Sing tars and spars and patches,
Sing pack and box and lots to like,
And don't forget the matches!*

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The landlocked makers of Marlboro wish you smooth sailing through your final exams and smooth smoking—with Marlboro, of course. Have YOU settled back with a Marlboro lately?

Movie Schedule

ASTOR — "El Cid." Eves. at 8:15, except Sun. at 7:30. Mat. Wed., Sat. & Sun. at 2.
BEACON HILL — "Les Liaisons Dangereuses." 1:20, 3:25, 5:30, 9:35.
BOSTON — "Cinerama — South Seas Adventure." Eves. at 8:30 except Sun. at 7:30. Mat. Wed., Sat. and Sun. at 2:30.
BRATTLE — "The Hidden Fortress." 5:30, 7:30, 9:30. Mat. Sat. at 3:30.
CAPRI — "Black Tights" (in four parts): "Diamond Crunchers," 1:00, 3:06, 5:14, 7:22, 9:30. "Cyrano de Bergerac," 1:28, 3:34, 5:42, 7:50, 9:58. "A Merry Mourning," 1:57, 4:03, 6:11, 8:19, 10:27. "Carmen," 2:21, 4:27, 6:35, 8:43, 10:51.
EXETER — "Last Year at Marienbad." 2:10, 4:00, 5:45, 7:35, 9:25.
FENWAY — "Through a Glass Darkly." 2:15, 4:01, 5:47, 7:33, 9:19.
FINE ARTS — "La Belle Americaine." 2:30, 5:30, 8:30. "Battle of the Sexes." 4:00, 7:10, 10:00.
GARY — "West Side Story." Eves. at 8:30. Mat. Sun. at 2:30.
HARVARD SQUARE — "Stalag 17" and "The World of Suzie Wong" today. Revivals of "Ninotchka" and "A Night at the Opera" Thurs., Fri. and Sat. "Loss of Innocence" and "Sail a Crooked Ship" begin Sun.
KEITH MEMORIAL — "The Day the Earth Caught Fire." 1:00, 3:55, 6:45, 9:55. "Six Black Horses." 2:30, 5:25, 8:30.
KENMORE — "Carry On Nurse." 2:35, 5:40, 8:45. "Doctor in Love." 1:00, 4:05, 7:10, 10:10.
LSC — "Mexican Bus Ride." Fri. 6:30 and 9:00. "The Cranes Are Flying." Sat. 5:15, 7:30, 9:45.
METROPOLITAN — "State Fair." 1:25, 3:55, 6:15, 8:30.
PILGRIM — "Experiment in Terror." 10:50, 2:20, 5:50, 9:30. "Siege of Syracuse." 9:15, 12:45, 4:20, 7:50.
SAXON — "Judgment at Nuremberg." Eves. at 8:15, except Sun. at 8:00.
STATE — "The Lonely Sex." 1:00, 3:29, 5:58, 8:27. "Diary of a Naturalist." 2:14, 4:43, 7:12, 9:41.
TELEPIX — "The Lower Depths." 1:00, 3:03, 5:06, 7:11, 9:16.

Entertainment-wise

Collins Bars Casino Move

By Tom Maugh

Boston's "hotbed of sin" has finally been quenched. Mayor John F. Collins exercised the prerogative usually reserved for women, and changed his mind Saturday.

The mayor ordered City Censor Richard J. Sinnott to revoke a license that would have permitted the Old Howard-Casino to move from Hanover street to the Stuart Theatre at 700 Washington Street.

The burlesque house will be torn down at the end of the month to make way for the Scollay Square redevelopment project.

In revoking the license, the mayor reversed his previous stand that "live entertainment in properly-policed premises has some place in a metropolitan city." Evidently he has decided to kowtow to the whims of the City Council, which recently passed "strongly-worded" resolutions requesting the mayor to prohibit "indecent and obscene" theatrical shows in the city.

The mayor made his decision on the basis of photographs taken by

a newspaper photographer 6, the day after Sinnott approved the license.

Anyone who has visited a Casino recently will, we are sure, take issue with the mayor's observations. The management pledged to keep the shows within the bounds of "decency and taste" in the future, and this has been done. The co-owners of the Casino had planned to invest \$100,000 into a major facelift of the Stuart Theatre, where planned to present "top notch" acts, a follies-type show, similar to many of Broadway's legitimate theatre musicals.

A few days before the revocation of his decision, the mayor publicly stated that he did not think "any one, two, three, or four people are going to dictate to him the kind of entertainment will have."

Theatre Schedule

CHARLES — "The Autumn Garden." Tues. to Fri. 8:30, Sat. 5:30, Sun. 3:00, 7:00.
DRAMASHOP — "Amedee, or the Get Rid of It." Tonight through 8:30 p.m.
SHUBERT — "Borscht." Closed through Sun. Nights at 8:30, Sat. and Sun. at 3:00.

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Making The Scene movies...

MUSIC
Chamber Music, with Daniel Pinkham conducting a chamber ensemble program, including the Brandenburg Concerto No. 4 by Bach, New England Conservatory, Jordan Hall, April 25, 8:30. No admission.
Lise Nadeau, nineteen-year-old harpist, will present a program of music of the XVII, XVIII, XIX, and XX centuries. Isabella Stewart Gardner Museum. No admission.
Ray Charles, in a singular concert performance prior to Carnegie Hall, Donnelly Memorial Theatre, April 25, 8:00 p.m.
The Technicians of MIT and the Big Band from Harvard present "The

Big Sound of Jazz," featuring "The Suite for Two Bands" by Vic Schoen. April 27, Kresge Auditorium, 8:30 p.m. Admission free if tickets are obtained in advance at the booth in building ten.

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LSO
Classic Film Series — "The Mexican Bus Ride," a delightful fantasy about a bus ride by the avant gard Leds "Le Chien Andalou" Buneul. April 27, 10-250, 6:30 and 9 p.m.

Entertainment Film Series — "The Cranes Are Flying," the classic Russian Film. Room 10-250, April 23, 5:15, 7:30 and 9:45. Admission 30c.

LECTURES
Ford Hall Forum — Philip M. Klutznick, one of the United States delegates to the U.N., will speak on "The United Nations — Its Prospects." April 29, Jordan Hall, 8 p.m. No admission.

R. Buckminster Fuller — The inventor of the geodesic dome — which sheltered the American exhibit in Moscow last summer — represents a revolutionary approach to architecture. Slossberg Recital Hall, Brandeis University. May 1, 8:15 p.m. Admission \$1.75.

Brattle Theatre
Harvard Square
"The Hidden Fortress"
5:30 7:30 9:30

As a break in a seemingly endless chain of British comedies and Bergman films, the Exeter Theatre now offers us "Last Year at Marienbad", directed by Alain Resnais, the fellow who did "Hiroshima, mon Amour".

This latest picture can best be described as an anti-film. All the usual artistic processes that go into making a film are reversed: Images are repeated over and over until they become mere patterns of black and white; phrases are repeated until they lose their meaning and become mere sounds; cinematic tricks of every description are used sometimes for obvious effect and sometimes just for the hell of it. The dream-like, romantic quality of the film is purposely exaggerated so as to become a parody of itself. The central "story"—suggesting nice,

'Last Year At Marienbad' Is Anti-film

By Richard Hornby

juicy French topics like illicit love, adultery, and rape—degenerates into sheer nonsense. Just as the character "X" in the film tries unsuccessfully to find a key to the "Marienbad game", we the audience try unsuccessfully to find the key to understanding the film itself.

Living people are compared to statues, statues are compared to people, landscapes are compared to painted perspectives, painted perspectives to landscapes—until the distinction between life and art is triumphantly destroyed. Time and space are treated with violence. The film rapidly cuts back and forth from "last year" to this year (not a single dissolve is used to show passage of time); the camera pans away during a dialogue, then returns to find the characters in completely different positions, or even cuts to find them in a completely different scene, as the dialogue continues. Actors pose in stylized positions, and sometimes are even shown in a still. The same shot is repeated over and over. The heroine falls on her bed four times in a row, each from a different side; at another time the camera zooms in again and again on her leering face, only to cut back and start all over. The very foundations of cinema are destroyed. There is almost no movement within the frame (Kracauer said: "There is no film that would not represent or rather feature things moving. Movement is the alpha and omega of the medium."), nor is montage at all meaningful. Each shot and each scene has almost no connection with the one before or after it. (The projector operator could have mixed up the order of showing the reels, and no one would have noticed.)

As in other "New Wave" films, in LYAM neither the camera nor the narrator is omnipotent. The narrator often insists that events—like the rape scene—did not happen as shown. Furthermore, we are constantly shown things which we are sure must have meaning—the heroine's costume of white feathers, for instance, and her later costume of black ones; or the

LAST YEAR AT MARIENBAD, directed by Alain Resnais. Original script and dialogue by Alain Robbe-Grillet.

Cast
A Delphine Seyrig
X Giorgio Albertazzi
M Sacha Pitoeff
and others.

At the Exeter Theatre. Running time: 99 minutes.

switching from underexposure to overexposure; or the play entitled *Rosmer*—but their meaning is not made clear to us, and we can only invent far-fetched hypotheses. (The program handed out says, "You will want to give meaning to what you see, and most certainly you will find one; but your neighbor will perhaps find an entirely different one." Big deal.)

All this is not art in any sense that we now understand it. Art unifies; this film demolishes, shatters, tears apart. Art normally gives life to lifeless objects by using them symbolically; this film takes living objects and "thingifies" them. We are made especially aware that a movie is light flashing on a screen and noise coming over an amplifier.

My question is: Why bother? Or more interestingly: Why go? Why do people queue up to pay \$1.49 to see this film? Why did my editor have me hotfooting it over to review it? Why did it receive so much publicity, including coverage in *Time* and *Life*? The film doesn't have the sensational qualities of "Hiroshima, mon Amour"—sex, atom bombs, and white-washing of Japanese and Nazis. Certainly a sophisticated art house audience shouldn't be taken in by the Ladies Home Journal type blurbs outside the theatre. ("Listen to the voice that... relates this unusual love story that is, perhaps, a dream of love...") And even if this type of film has value to which I am blind, such value must necessarily be of such an esoteric nature as to require a gradual building up of interest against great resistance. One would hardly expect such sudden enthusiastic response to a film whose approach is carefully calculated to be dull.

The answer, I think, is snob appeal. Not the snobbery of the cinema devotee (*Sight and Sound* in a recent issue gave "Hiroshima, mon Amour" a well-deserved pan), but the liberal-intellectual snobbery of *Time* magazine, of people who, afraid of being identified with the philistines who abound in the history of art, are always ready to support the latest well-advertised artistic fad. Nowadays, of course, to admit that a work of art has content as well as form is a faux pas; this had led to a demand for new art forms that is itself an art form, and a tendency not to see the woods for the many trees in a silly film like "Last Year at Marienbad".

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"A New Epoch In
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— N.Y. Post
with
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BULLETIN No. 14 SPRING 1962
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Tech Coop

'Top Secret' Envelope

Techman Chosen For Priority Mission

Ever want to be a CIA agent? David Trevvett '65 was recently given the opportunity—well, sort of. When he returned to his room Monday night, there was a letter sitting on his desk, rather conspicuously stamped "TOP SECRET" (in blue ink, of course).

Cautiously opening the envelope, he discovered (supposedly) an Eastern Air Lines "air shuttle" ticket to New York and the following letter:
Central Intelligence Agency
Letter No. 112—Copy No. 1
Dear Mr. Trevvett,

The contents of this letter must be kept strictly confidential.

In the course of our activities we frequently encounter problems and situations requiring agents of varying backgrounds, who also possess great natural talent. At the moment we are faced with a certain situation in which we feel

that your aid would be of the greatest assistance. Of course details of this mission cannot be revealed until you decide to cooperate fully. If you would be willing to help your country, instructions for your future actions follow.

Please come to New York City immediately. That means tomorrow, April 24. You will be fully reimbursed for all expenses encountered upon this mission. Upon arrival in New York report immediately to the lobby of the Plaza Hotel. At 1:00 P.M. a man wearing a turquoise suit will enter through the West 64th Street entrance. You will make contact when this man says, "Say, bud, do you think the Yankees will finish seventh this year?" After this, do whatever the man says.

If you decide to refuse to aid your country burn this letter and forget that you ever saw it.

If you decide to come along with us, remember that we will be unable to officially acknowledge your valiant efforts in the cold war. However, we are prepared to make it well worth your while. Also remember that we have quite a bit of pull with the Institute if you ever need help.

Sincerely yours,
John A.

(The last name of the signature was rather illegible, but fitted in with "friends'" suggestions that it might be that of John A. McCone, head of the CIA.)

Two of the conspirators were waiting in the victim's room, posing as innocent bystanders. They gave appropriate responses as Dave read them the "obvious fake," naturally verifying from personal experience such, "facts" as the location of the Plaza Hotel, which isn't really on 64th Street.

The "fun-loving Techmen" played on the facts that their victim wasn't overly familiar with New York and that, never having flown, he wouldn't know a plane ticket if he saw one. The letter's chief author, Madis Sulg '65, was very helpful in finding people to verify the authenticity of the "ticket," which was actually only a ticket receipt.

"The thing that really surprised us," commented Madis, "was that the 'ticket' went as far as it did. Trevvett wasn't the only one who was fooled; one person who wasn't even in on the plot positively identified it as genuine."

Dave called Eastern Airlines, but this action also failed to expose the hoax, as the ticket agent was only confused by the description of the "ticket."

"At this point," explained Dave, "I really believed the ticket to be real, and was almost ready to take off for New York. I figured that if anyone was willing to buy a thirteen-dollar ticket just for a hack, then there just might be a man in a turquoise suit in the Plaza lobby."

Through a (real) friend, Dave was able to identify the possessor of the "TOP SECRET" stamp; before long the envelope had been traced to Madis. By this time the so-called "ticket" was also known for what it was. The affair ended in general laughter, with threats of lawsuits being thrown back and forth.

The culprits divulged the following: through a friend they had obtained possession of the "TOP SECRET" envelope, and they just had to do something with it. After Dave's roommate discovered that he was the intended recipient of a letter informing him that his security clearance for physics labs had failed, he suggested the final victim.

"Incidentally," said Madis, "we originally had written 'dark blue suit,' but that seemed too corny; we needed some color which was spelled with nine letters, so we finally hit on turquoise."

WTBS Program Schedule

FRIDAY, APRIL 27 — 8:00 p.m.: Jazz Special. Part 3 of the "History of Classic Jazz" series. Recordings covering Chicago Style, Harlem and New York Style.

FRIDAY, APRIL 27 — 8:30 p.m.: "The Big Sound of Jazz." Live broadcast from MIT's Kresge Auditorium of the Technicians of MIT and The Big Band from Harvard playing the modern sounds of big band jazz. Featuring "The Suite for Two Bands" by V.K. Schoen.

SATURDAY, APRIL 28 — 8:00 p.m.: Folk Music from Club Mount Auburn 47. Broadcast live from this well known folk music center in Cambridge.

SUNDAY, APRIL 29 — 8:00 p.m.: Drew Pearson speaking on "Has the U. S. Become a Second Class Power?" Recorded at MIT.

MONDAY, APRIL 30 — 7:05 p.m.: MIT Department of Humanities Poetry Evening: An informal reading and discussion with David Perry, contemporary poet. Recorded April 3rd at MIT's Hayden Library Lounge. This is the final program of this Poetry series.

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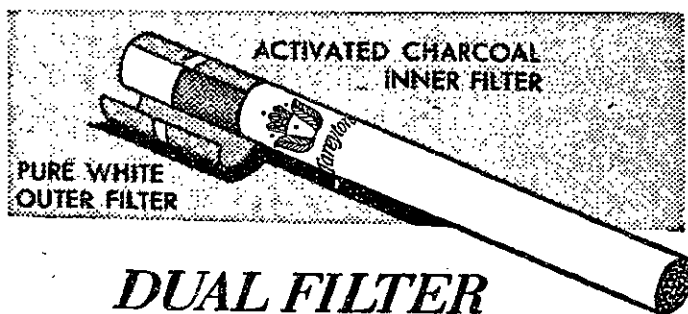
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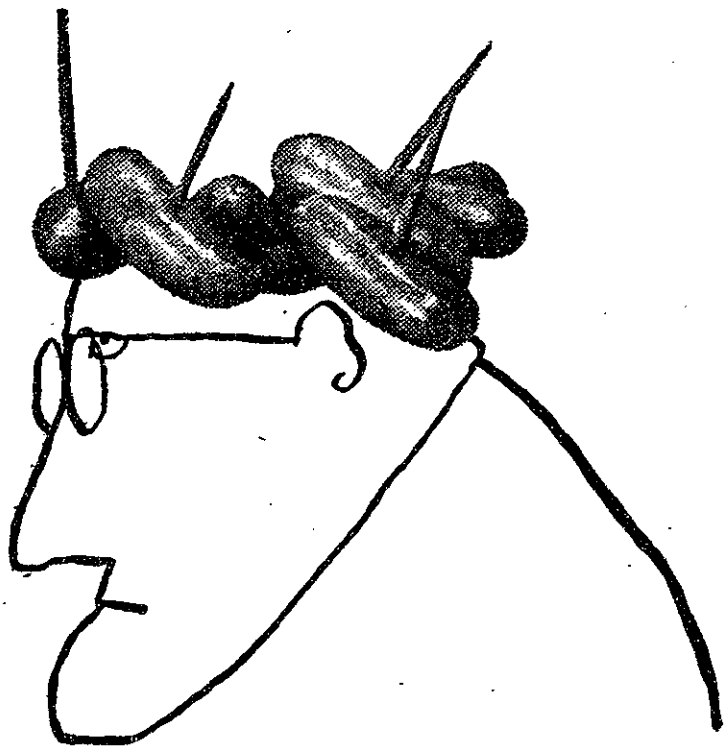
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Library Book Sale Next Friday

A second-hand book sale will be held Friday, May 4, in 14-0413 from 8 a.m. to 4:30 p.m. Room 14-0413 is located directly below the Hayden Exhibition Gallery. The only entrance to this area will be from the north wing. Reference books, textbooks, journals, novels, plays, and biographies will be on sale at 10 cents a copy.

T-Club To Sponsor Spring Weekend Lunch

T-Club will be sponsoring a noon of Spring Weekend. The luncheon at Briggs Athletic Field, lunch will consist of hot dogs, between the float parade and the cold drinks and potato salad for athletic contests Saturday after- \$.75 per person.



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Dramashop's 'Amedee' To Open Tonight

"Amedee, or How to Get Rid of It," Eugene Ionesco's bizarre comedy about a couple who have a corpse that will not stop growing, in their bedroom, will be presented by the MIT Dramashop as its major spring production. This is one of the first productions of this play in America.

The cast of the play will include: Michael Meeker, Joan Tolentino, Caroline Crawford, Ralph Wiggins, Stan Michalik, Roger Gans, Selma Alperen, Ron Jansen, Joseph Morlan, Leonard Rubenstein, Norman Anderson, Gary Feldman, Catherine Maher, and James Laurino.

The play, which is directed by Joseph Everingham, Director of Drama at MIT, opens tonight at 8:30. It will play nightly through Saturday, April 28.

All seats for the play are \$1.50, and reservations may be made by phoning the Kresge box-office, ext. 2910. Tickets will also be available at the door.



Amedee (Mike Meeker, G) attempts to explain his involvement with a 30 foot corpse to an American soldier (Lenay Rubenstein '63) during rehearsal for Dramashop's production of Amedee which opens tonight in Kresge's Little Theater.

—Photo by Conrad Grundlehner

4 Textbook Agents Receive 'Pencil Pro'

(Continued from page 1)

the Dean's Office in this matter.

It was the opinion of the Judicial Committee that the four students had undertaken this venture in full partnership and were therefore equally responsible for any improper action by any member of the group.

Some General Comments

On Student Enterprise

It is the opinion of the Judicial Committee that the following are some important considerations in the start of any student enterprise.

1) No undergraduate or undergraduate group may use the name or seal of MIT in any connection

with its activities without the express permission of the Undergraduate Association through whom this privilege is delegated.

2) At no time may any person or persons use the name of MIT in such a manner as to imply that the Institute approves any specific project unless express permission has been granted. This permission is never granted to any commercial activity.

3) No group may use the Institute mail system without express permission from the Undergraduate Association and the Dean's Office.

4) No person or group may use the Undergraduate Associate bulletin boards located in (buildings 1, 2, 3, and 4) without the permission of the Undergraduate Association and no one may use them for a commercial purpose as defined by the Secretariat.

5) All groups entering into an enterprise must register with the Executive Committee of the United Association stating the names of the persons involved, the nature

of the business and the Institute facilities which it desires to use.

6) All groups are advised to be scrupulously careful of any advertising, being sure that it does not contain any misrepresentation, particularly with regard to item 2 above.

7) Until an adequate method is set up within the Undergraduate Association for the control of student enterprise, all entrepreneurship activities will be handled jointly by the Dean's Office and the Undergraduate Association. Anyone contemplating a business venture within the MIT community is advised that he must contact both groups and obtain their permission before entering into any business. When a suitable mechanism is set up, all control activities will be delegated to the Undergraduate Association by the Office of the Dean of Student Affairs.

Anthony J. J. Rourke, Jr.
Chairman

April 23, 1962

Inside Inscomm

Text Agents Prompt Changes In Inscomm Regulation Book

By Woody Bowman

The recent difficulties which the Institute Committee encountered with the Technology Textbooks Agents dramatized the deficiencies in our present system of dealing with entrepreneurs. A committee, under Walter Winchell, has been appointed to make recommendations for changes, and, I hope, a general tightening-up of policies.

In the opinion of the Executive Committee, the actions of TTA were unethical and we will refuse to condone any efforts of any other organization along the same lines. Representatives from Preview will be interviewed by the Executive Committee today to determine the nature of its operation for the coming year.

At the next meeting of the Institute Committee, several items are pending: the question of granting a vote on the Committee to the Freshman Class President, the format of orientation weekend, and the possibility of the Institute Committee sponsoring a national intercollegiate conference next year. The topic proposed for discussion at the conference will be announced to the members of the Institute Committee Monday because there are several alternatives which are being considered.



The current investigations on the library facilities and activities development are completed and the information is being compiled. The results will be announced shortly, and will be sent to the appropriate members of the faculty and administration.

Two problems are on the agenda for future meetings. A review of the Institute Judicial System will be made over the course of the coming term. Anyone with opinions about the present system which he thinks will be useful in this study should itemize them and mail them to Litchfield Lounge.

With the obvious lack of campus support of Spring Weekend, its future is in question. We must consider the continuation problem now. The decision must be made before the end of the term. Each living group which wants the weekend must be prepared to announce the extent of their proposed support for next year, and each group which opposes it must be prepared to state its reasons and give the minimum points of compromise before support would be rendered.

I am very interested in the adjustment of freshman orientation. Work will begin immediately, though it is too late now for any changes to be made for next year. The Freshman Coordinating Committee will be needing new men. There will be an FCC smoker in the Miller Room Thursday at 3 p.m.

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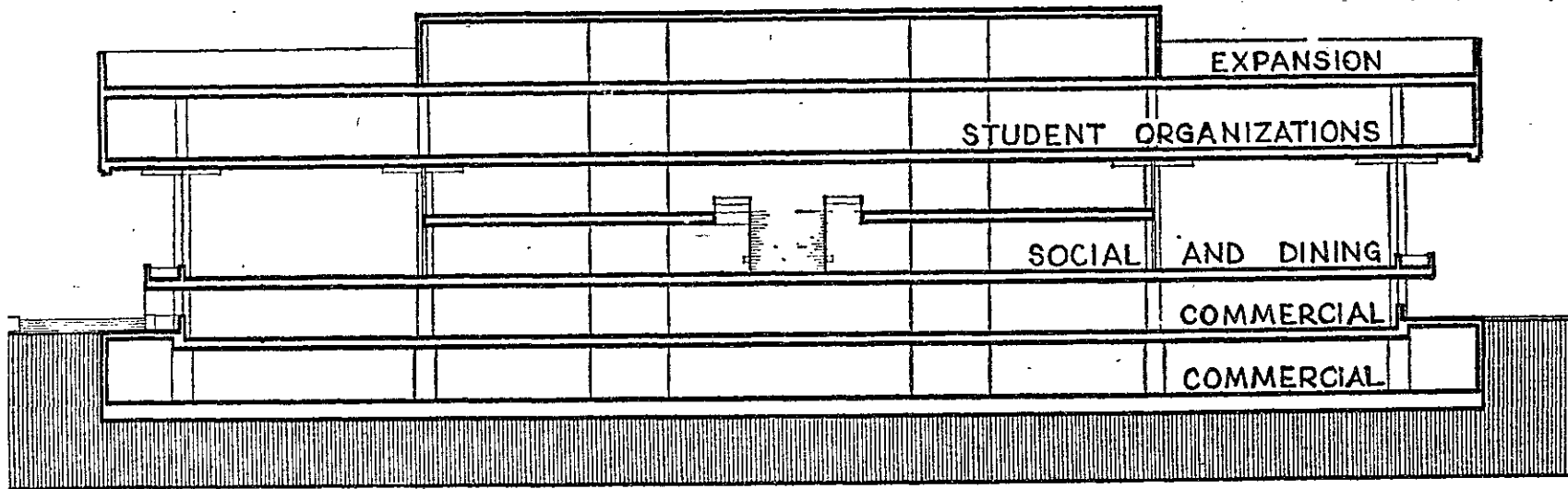
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Catalano's Student Union Plans Will Go T



Section plan of the proposed Student Union.

Tentative plans for the Student Union Building have been submitted to the Institute Building Committee by the architect, Professor E. F. Catalano of the Architecture Department.

The projected four story building will include space for stores, social activities, dining and student organizations.

Final plans and details for the building will be discussed when President Stratton and the Institute Building Committee meet with three student representatives next week. Final cost estimates will be ready by that time.

The Building Committee includes several vice-presidents and other officials. The student representa-

tives at the meeting will be Woody Bowman '63, Undergraduate Association President, Steve Wanner '63, Chairman of Activities Council, and Allen Womack '63, Editor of *The Tech*.

O. Robert Simha, Institute Planning Officer, told *The Tech* Monday that construction will probably be delayed because of lack of funds.

He explained that most of the money donated to the Second Century Fund is earmarked for such specific projects as the Earth Sciences Building and the Women's Dorm. So far alumni and other donors have shown very little interest in contributing to the Student Union Building.

The Student Union Building is to

be located on Massachusetts Avenue between Bexley Hall and Dupont Athletic Center.

\$2.4 million from the Second Century Fund have been budgeted for student facilities in the building. In addition, over a million dollars will be spent to provide commercial facilities. According to Mr. Jay L. Marden of the Planning Office, these facilities will pay for themselves.

The commercial facilities will be on the ground floor. Some of the stores will extend to the basement which will also include eight bowling alleys.

The main floor, which has a di-

rect outside entrance, and the mezzanine will be devoted to social activities and will include:

- 1) A large multi-purpose room that can be used as a lounge, chamber music theatre, movie house, auditorium, banquet room, dance floor. It will hold about 500 people.
- 2) Several private lounges for general use. These can also be used as small dining rooms for sixty people, suitable for breakfasts, small parties, and dances.
- 3) Exhibition spaces and lounges to be used for waiting areas, art exhibits, and specialized shows of science.
- 4) A large coat room, browsing library, first aid center, telephones, storage rooms, rest rooms, and an information booth combined with the Technology Community Association ticket office.

The entire top floor will be devoted to student organizations. It will also include several medium size lounges, a meeting room for 85 people, an art studio with space for drawing, painting, metal work, silk screen printing, etc.

There will also be dark rooms for photography, and several music practice rooms. The design

provides additional floor space to house future student activities.

Expansion Planned

The Student Center is designed so that an additional floor may be added to expand the building. This expansion will not affect the appearance of the building.

Tentatively planned are a bank, post office, barber shop, drug store, and others, in a total of 33,000 square feet of floor space. The Coop is expected to expand its present facilities and provide new services not presently offered.

The building will include three main dining rooms, and several smaller ones.

New dining services will include:

- 1) A 300-seat cafeteria for students, guests, faculty and administrative personnel.
- 2) A 100-seat restaurant serving higher priced food.
- 3) A 100-seat sandwich shop.
- 4) Several private dining rooms, each with 24 seats. These can be used as additional meeting rooms.

The Institute is studying a proposal to connect the basement levels of the Student Center and Building 7, via a tunnel under Massachusetts avenue.

Discuss Disarmament

Russians Meet Pi Lams After Kresge

By Mike Jablow

Roland Timerbaev, counselor of the Soviet Mission to the United Nations, and Peter Maslennikov, first secretary of the UN Soviet mission, visited the Pi Lambda Phi fraternity house for an informal discussion Thursday, April 19, after their lecture at Kresge Auditorium. Other guests of the Pi Lams included Dr. William E. Griffith of the Economics Department, Professor Bernard T. Feld of the Physics Department, and Dr. Alexander G. Korol, resident political scientist associated with the Center for International Studies.

The major topic of discussion was disarmament. Mr. Timerbaev, a specialist on disarmament problems, emphasized the need to convince the people of the United States that disarmament was not only necessary, but desirable. He also re-affirmed the Russian anti-colonialism policy and interpreted the Congo situation as an English and Belgian colonial offensive.

Dr. Korol raised the point that American academic groups working on the problems of disarmament needed more Russian basic research material than was available. Mr. Timerbaev started to name a book on this subject. Dr. Korol finished in Russian the complex title and stated that the vol-



Shown here before delivering a talk on disarmament in Kresge Auditorium last Thursday as part of International Week at MIT, are three representatives of the Russian Government: (left to right), Leonid S. Ponomarev, Tass; Peter Maslennikov, First Secretary to the Soviet Mission to the United Nations; and Roland Timerbaev, Counselor of the Soviet Mission to the UN.

ume was published in 1939. Subsequently, Mr. Timerbaev cited more recent publications.

Mr. Timerbaev would not discuss the Chinese-Indian border dispute, contending that it is a problem for the Chinese and Indian governments. It was suggested that the Red Chinese use of Russian MIG planes was inconsistent with Russia's proffered colonial

policies.

Dr. Feld raised the point that a basic paradox existed in Russia's optimism with regard to world peace and essential pessimism on the colonial front. It is hard, he argued, to advocate complete disarmament on the one hand, and the basic Marxist doctrine of encouraging people's armed revolutions on the other.

—Photo by Conrad Grundlehner

Reaffirm Red Stand

Dick Stein Reports On Air Fo

By Dick Stein

(Ed. Note: Mr. Stein was the MIT delegate to the Fourth Annual Air Force Academy Assembly, April 4-7. Following is his analysis of the conference and its decisions.)

Can there be a meaningful national consensus on a topic as fraught with emotional overtones and as complicated technically as Arms Control? Can the citizen be well-enough informed to exert a positive influence on our government and military departments? These questions, so vital to the continuance of our democratic institutions were in the minds of many student delegates as they convened in Colorado from 60 U. S. universities for the Fourth Annual Air Force Academy Assembly, sponsored by the American Assembly.

The political views of the student delegates varied from staunch supporters of the conservative Young Americans for Freedom to liberal proponents of world government and unilateral initiatives. The background of the students in the field of arms control

was also diverse, but each had at least read the American Assembly's paperback, "Arms Control—Issues for the Citizen."

In addition to round-table discussions, the students listened to a group of distinguished speakers. The opening speaker was Prof. Lincoln Bloomfield, head of the Arms Control project at MIT's Center for International Studies. Dr. Bloomfield asked whether stability was becoming a real possibility. He pointed out that no scheme for total disarmament can unlearn the ability to make nuclear weapons. He then suggested that our present task is to "create history." We must get on with first steps in arms control, get agreements, tacit or formal, to give us experience and a background in making the world a safer place in which to live and still disagree.

The keynote speech of the conference was delivered by Harold Stassen, special assistant to President Eisenhower on disarmament. Mr. Stassen stated that we must keep firmly in mind as the goal of American foreign policy, "the future well-being of all men in this world under God."

The concept of nationalism is too limited and outdated. He went on to point out that increased pressure on Russia is also no real answer. Ever increasing pressure of an arms race would not cause Russia to fold or withdraw, but it would prevent the young educated classes, the scientists and managers, from causing the evolution of Russia away from the totalitarian methods of Stalin.

The real heart of the conference and its primary value lay in the round table discussions, in each of which about 18 students, led by

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5 All-Tech Sing Groups Will Entertain Saturday

Following Dr. Stratton's address to the parents on Saturday night in Kresge Auditorium, five singing groups from the All-Tech Sing will entertain for the remainder of the program. The groups are Theta Delta Chi, Burton House, Sigma Chi, the Association of Woman Students, and Phi Kappa Theta.

The real heart of the conference and its primary value lay in the round table discussions, in each of which about 18 students, led by

an expert for a total many faces in the final report of the in hammer amendments and form Among contains tal issues General ment — emphasize eral and with the "We fear all-embr would just of achie control issues. We when get armame objective await me environ makes ourselves accept." personally strongly GCD a urging measures were re Limited Control posed measures a) A adequate b) Un the dang accident c) Ag outer spe only.

Building Committee

Change Course!

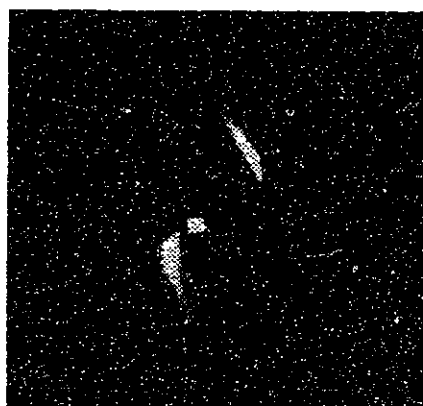
Space Battles Fought With Computer

By Jeff Levinger

Spiraling near the sun for added acceleration, the thin silver ship swiveled slowly, firing its space torpedoes steadily, creating a spiral wave of death ahead of it. As it swept past the sun, a hail of answering rockets flashed by, barely missing, and the sudden explosion of another ship lit the space behind. The scope flickered, and the two ships appeared again at diagonally opposed points with the sun as a center. The controls for each changed hands, and the game began anew.

The game is Space War, played on the display screen of the PDP-1 computer in 26-260, with the aid of a program written mainly by Steve Russell of the Harvard Computation Center. Two former MIT students presently working for the Electronic Systems Laboratory, Shag Graetz and Pete Samson, also worked on the program and supplementary software.

Each person controls his ship with an acceleration button and a rotation switch, acceleration and orientation being constant while the proper control is on.



Two spaceships circle the sun on the 'scope display of the PDP-1 Computer.

—Photo by Curtiss Wiler

The central sun (there is an entire background of stars, accurate to fifth magnitude on the equatorial plane) is the only one with gravity . . . and if you fall in, you reappear at the corner from which you are accelerating. Losing (exploding) is a large luminous square where your ship was, which appears if your ship is hit by a torpedo or the other ship.

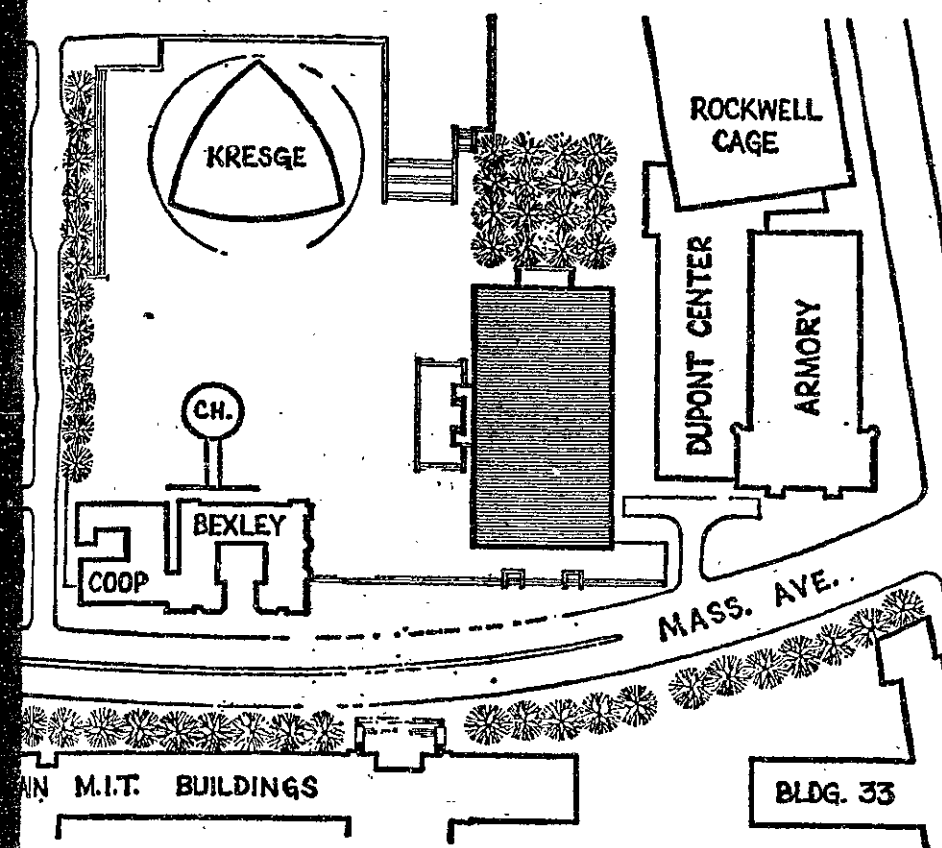
The original game was to orbit

around the sun without falling in, and then to destroy the other ship with a limited number of torpedoes and a long reload time between shots. One danger (since reprogrammed) which destroyed many a hopeful skipper was due to the fact that torpedoes ignored the sun: and running into your own torpedo as you orbit is a rather humiliating defeat.

It is possible to go beyond the space pictured, in which case you wind up coming out of a new corner to begin again. This is known as the curvature of space. Torpedo number, duration, and reload speed (no machine-gunning) are variable, easily adjusted for beginners or experts.

For Parents' Weekend the PDP-1 will run this game for parents and their Techmen between 12 p.m. and 6 p.m., with a special version designed for this purpose. As an example of the whimsical uses of computers this is something parents shouldn't miss. As a simplistic preview of future war games, it might well be classified were this report to fall into the wrong hands.

Model of the proposed Student Union.



Model of the proposed Student Union (crosshatched).

Arms Control Conference Trip

d) Measures to prevent the spread of nuclear weapons to other nations, including both members of the Communist bloc and NATO countries.

e) Limitations or complete moratorium on production of fissionable materials and weapons delivery systems, again with adequate inspection.

The report goes on to discuss the principles we should use in framing arms control proposals, the role of inspection, the role of international bodies, the shortcomings of the deterrent and the need for taking risks. A large majority voted for a statement indicating that acceptance of a major, inspected disarmament plan might well be sufficient grounds for recognition of Red China if this were necessary to obtain the inclusiveness needed.

If there was one characteristic that was most noticeable throughout it might have been the honest, frank attempt of all present to meet Reinhold Niebuhr's challenge not to flee from difficult problems by recourse to impossible solutions. I have some disagreements with the final report, but these, too, were honest differences fairly arrived at. I welcome discussion of these stands, and I will consider my job as MIT representative well done if debate in the form of letters or informal discussion, coupled with a concern for the essential problems, is aroused on both sides.

After resting at a Unitarian Church in Wellesley Hills, where the walkers were provided with a snack, the group hiked on until 9 p.m., when the procession stopped for the night at the Woodland MTA station. Some footsore marchers enjoyed overnight hospitality at the homes of local residents, while others temporarily left the area.

Saturday morning the Walk resumed, and the ranks swelled while it passed through Cambridge. As the procession passed by MIT, about 15 persons from Rational Approach to Disarmament and Peace, an MIT student organization, joined them.

Walkers, some of them 21 miles weary, gladly rested on benches in the Common while Harvard Prof. H. Stuart Hughes spoke about the necessity for peaceful American initiatives and intelligent political debate on foreign policy. He is currently campaigning as independent candidate for



Peace marchers on their way to Boston pass the Institute on Mass. Ave. last Saturday afternoon.

—Photo by Conrad Grundelner

the US Senate from Massachusetts, for the same seat that President Kennedy vacated two years ago. Mrs. Elizabeth Boardman, Republican primary candidate for the third congressional district of Massachusetts, reminded the women of their responsibilities in furthering peace.

Hiroshima Visitors Speak

Other speakers included two young Hiroshima pilgrims, survivors of the first atomic bombing. One was a 26-year-old woman, still scarred from radiation burns suffered during the blast, and the other was an eloquent 18-year-old boy who lost his parents in the disaster. As they addressed the crowd, a band of eight self-styled "freedom fighters," who, throughout the rally, had been picketing with misspelled placards ("Pacifist Menace," "Anti-Communist Literature Here"), yelled "Remember Pearl Harbor in an attempt to drown out their remarks.

The two Japanese visitors appealed to Americans and all others to oppose new atmospheric nuclear testing, pointing out that every test killed or diseased more Japanese survivors of Hiroshima or Nagasaki who had received some radiation already.

In spite of small disturbances created by the few picketers, the walk and rally were marked by decorum and dignity. Onlookers and passers-by generally accepted and read Turn Toward Peace literature explaining the Walk and TTP.

Other Demonstrations Held

Turn Toward Peace is a joint effort by national and regional peace, student, religious, labor, veterans', women's, and businessmen's organizations to build pop-

ular support for peaceful alternatives to the arms race.

RADP of MIT is one of the local student organizations assisting Turn Toward Peace. TTP also sponsored demonstrations similar to the Boston one in other major cities last weekend.

The direct and personal motivation and appeal of Turn Toward Peace and the Peace Walk were summed in the closing paragraph of the officially distributed leaflet entitled: "Why We Walk."

"Please think about what you have just read. We want to close by asking you two questions: If the arms race is not stopped now, when will it be stopped? If you do not help to stop it, who will?"

5 Activities Council Seats To Be Elected Next Month

Elections for five rotating seats on the Activities Council will be held in May. The Activities Council, the legislative and managing body of the Association of Student Activities, is composed of fourteen permanent member activities and five rotating members who are elected annually.

IFC Officers Announced

The Inter-Fraternity Council has announced its new officers. Jim Champy '63, Phi Kappa Sigma, is Chairman; Jack Downie '64, Delta Tau Delta, is vice-chairman; Jim Allen '64, Delta Upsilon, is treasurer.

Jim Holcroft '63, Sigma Nu, and Steve Colburn '63, Sigma Chi, are IFC representatives to Incomm; Bob Gray '64, Sigma Alpha Epsilon, is Rushing Chairman; Mary Friedman '64, Phi Kappa Sigma, is dance chairman.

Summer Project

Seek To Bounce Signals Off Satellite

American amateur radio operators will attempt to bounce signals off a communications satellite this summer, in an effort to substantially increase the reliable communications range of certain types of "ham" equipment.

Operators with special equipment will attempt to relay signals via the Echo A-12 communications satellite, a 135-foot reflecting sphere to be placed in orbit later this year for structural tests and for independent communications experiments.

The radio operators expect that satellite relay techniques, if successful, may eventually double the range of amateur radio communications in the very-high-frequency region of the radio spectrum. At

present, the reliable range is approximately 500 miles.

The satellite-bounce experiment will be carried out by members of the Office for Satellite Coordination (OSSC), assisted by the nationwide American Radio Relay League and by the National Aeronautics and Space Administration.

Raphael Soifer '63, director of OSSC, described plans for the experiment in a talk Sunday at the convention of the ARRL in Swampscott.

Radio amateurs working with OSSC on the Echo A-12 project will track the satellite by means of radio beacons attached to it and by orbital data sent out by the federal agencies.

Although Echo A-12 will offer

Communications Research

hams the first opportunity for practical, extended communication via satellite, amateur radio operators have been actively involved in space communications for some time, Soifer noted.

The OSSC organization, which now has 83 members throughout the world, is the outgrowth of a satellite communication experiment carried out in 1960 by Soifer and several other amateur radio operators.

The hams bounced radio signals off the ionized trails of two satellites (Explorer VII and Sputnik III) in the first successful two-way communication with the aid of artificial satellites.

As OSSC director, Soifer is acting as coordinator for the Echo A-12 experiment.

Tech Pace Hits Parents Over Weekend

Friday, April 27:

6:00-9:00 p.m. Massachusetts Science Fair: Rockwell Cage
8:30 p.m. Techtonians Concert: Kresge
Drama Shop Production: Little Theatre, Kresge

Saturday, April 28:

8:45-12:00 a.m. Registration: Building 10 Lobby
Attend classes with son or daughter
Pre-arranged meeting with Freshman advisor
11:00-12:00 a.m. Demonstration Lectures: Huntington Hall and Compton Lecture Hall
11:00- 6:00 p.m. Massachusetts Science Fair: Rockwell Cage
12:15- 1:30 p.m. Luncheons: Walker — Engineering
Burton — Science
Baker — Courses 4, 14, 15, & 21
1:45- 5:00 p.m. Departmental Programs — see enclosed articles
Tours of the Computation Center & Nuclear Reactor
2:00 p.m. Freshman Baseball with Harvard: Briggs Field
Freshman Tennis with Belmont Hill School: Briggs Field Tennis Courts
2:30- 3:30 p.m. Lightweight Crew (Biglin Cup): Harvard, Dartmouth and MIT
4:00 p.m. Heavy crew with Yale: Charles River

6:15- 8:00 p.m. Banquets: Burton - speaker - Prof. Charles H. Townes, Provost
Walker - speaker - Dean Kenneth R. Wadleigh
8:30 p.m. Talk by Dr. Stratton and performances by All-Tech Sing finalists: Kresge Auditorium
Kresge Drama Shop Production: Little Theatre

Sunday, April 29:

Morning Religious Services
2:00- 4:30 p.m. Open House at Dean Fasset's and living groups
3:00- 4:30 p.m. Massachusetts Science Fair: Rockwell Cage

Religious Services:

Friday, April 27:

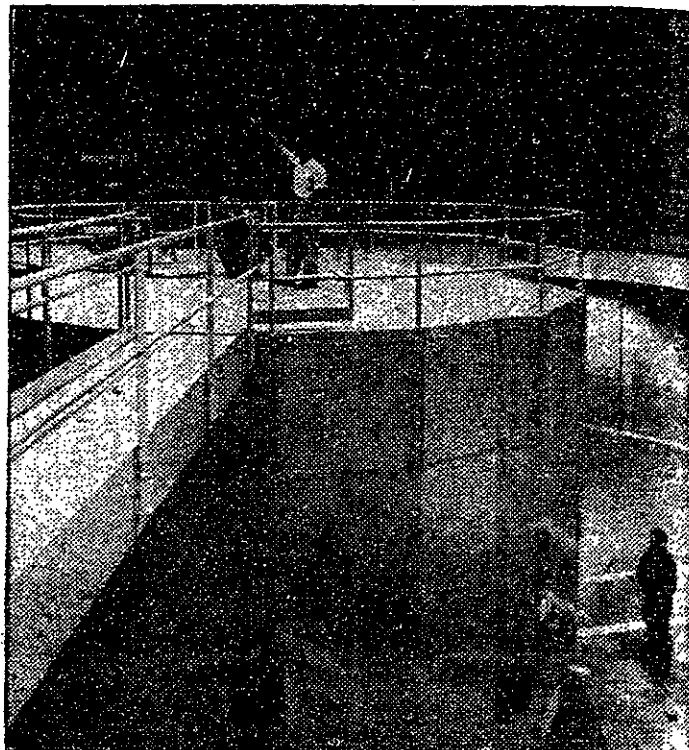
7:30 p.m. Jewish Sabbath Service: Chapel

Saturday, April 28:

9:00 a.m. Jewish Sabbath Service: Chapel

Sunday, April 29:

8:00 a.m. Roman Catholic Mass: Chapel
10:00 a.m. Roman Catholic Mass: Kresge Little Theatre, followed by Communion breakfast in the Campus Room of the Graduate House
10:45 a.m. Protestant Service: Chapel, followed by dinner in the West Dining Room of the Graduate House
11:00 a.m. Hillel Brunch: Blue Room, Walker



The smooth steel sides of the MIT Reactor enclose 600 tons of heavy concrete and other protective walls of lead, steel and graphite. Within these shielding walls, in a tank filled with heavy water, occur the fissions of enriched uranium-235 atoms. Fuel elements are loaded from the top, which is reached by a bridge from the balcony. The Nuclear Reactor will be open to parents Saturday afternoon from 1:45 to 5:00. The reactor is located on Albany Street west of Mass. Ave.

Edgerton, Gamble, Wulff To Talk Sat.

Because of the exceptionally large turnout for Parents' Weekend, Professor Lee E. Gamble of the Department of Chemistry will deliver one of the morning demonstration lectures Saturday. Dr. Gamble, who lectures for the Freshman chemistry course, will talk in Room 6-120.

Theses Copied Resumes

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Professor Harold E. Edgerton of the Department of Electrical Engineering, and Professor John Wulff of the Department of Metallurgy will give the other two lectures in Rooms 10-250 and 26-100, respectively.

Civil Engineering Will Show Its Hydraulics, And Soils Laboratories

The Department of Civil Engineering will begin its Parents' Weekend program with talks by Professor Miller in Room 1-246 on Saturday at 1:45 p.m. This brief speech will be followed by two laboratory tours, each lasting about an hour and a half. Simultaneously, there will be refreshments and informal talks with the faculty in the Spofford Room from 1:45 to 4:00 p.m.

The tours, organized by MIT undergraduates, who are now members of the American Society of Civil Engineers, will be led by two Juniors. The various demonstrations, each lasting about fifteen minutes, will be carried out by members of the Senior Class. One of the tours will begin by visiting the C.E. Computation Center; here, the students will briefly explain the use of the IBM 1620 Digital Computer. They will then run a "bouncing ball" program, a short, but fascinating program using both the Digital Computer and a digital plotter. Next, the tour will be shown through the Soils Division Labs and the Model Structures Lab. The visitors will then be conducted to the Building Materials Testing Lab, where two students will perform a timber beam bending failure demonstration, an experiment designed to show the power of hydraulic testing machines.

The second tour will follow much the same pattern.

Coffees For Economics, Industrial Management

The Departments of Industrial Management and Economics will be holding coffees at 4:00 p.m. on Saturday, in order to give the parents, who are coming to MIT for the Parents' Weekend, an opportunity to converse with various professors. These informal meetings will last for an hour or two, that of the Economics Department in the Freeman Room, and that of the Department of Industrial Management in the Schell Room, (52-461). Building 52 will be open all afternoon to any parents who would like to visit.

To the parents:

Numerology At MIT

MIT is number oriented. Buildings are numbered. Departments are numbered. Subjects are rarely, if ever, referred to by their names. Students prefer to call them by their number. Numbers are a standard part of the shorthand-language of MIT. In fact, students themselves are known by number as part of MIT's program of processing records by computer.

To help you look at the departments in the same way your son does, course numbers have been inset into the descriptions of department activities. The departments are:

Aeronautics and Astronautics	16	Geology and Geophysics	12
Architecture	4	Humanities	21
Biology	7	Industrial Management	15
Chemical Engineering	10	Mathematics	18
Chemistry	5	Mechanical Engineering	2
Civil Engineering	1	Metallurgy	3
Economics and Social Science	14	Naval Architecture and Marine Engineering	13
Electrical Engineering	6	Physics	8

Aeronautics To Display Missiles

The Department of Aeronautics and Astronautics will begin its Parents' Weekend program Saturday afternoon with brief talks by two or three faculty members (tentatively including Dr. Charles S. Draper, Head of the Department) in the DuPont Room (33-203). Some models of aircraft or missiles will be on display. Following the discussion a departmental tour will leave from the DuPont Room, going first to Room 33-204 for a brief demonstration, explanation, and exhibit of inertial guidance and aircraft instruments.

The tour will then move to the adjoining rooms to view several student projects in progress. It is hoped that a demonstration of an analog computer can be arranged in this area.

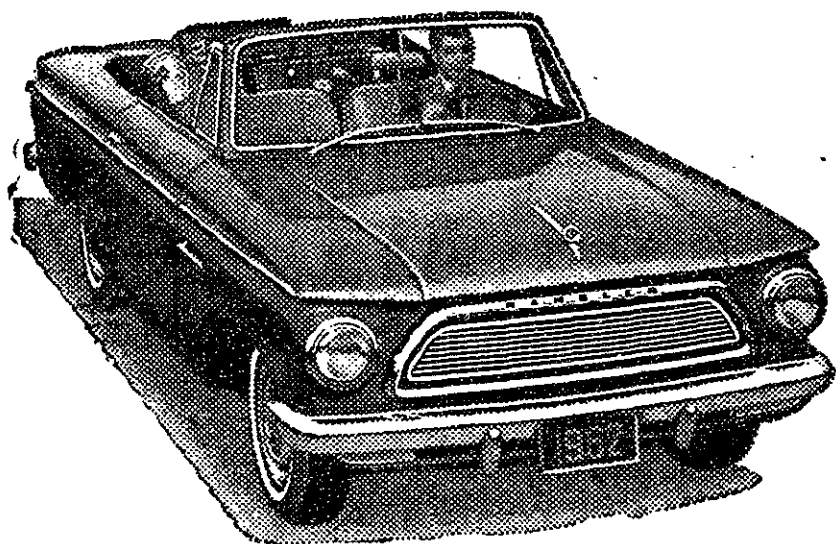
The tour will then visit the 5x7 foot wind tunnel in the Aeroelastic and Structures Lab (33-120) to view any project of interest set up there. The tour will continue to the Experimental Projects Lab (33-015) where student projects will be in progress and will be explained by the students. Other projects will be visited in 33-012 and at the return leg of the low speed wind tunnel.

Leaving Building 33, the tour will go to Building 17A where the Supersonic Blowdown Tunnel will be observed and explained; and then to Building 17 where the Wright Brothers Wind Tunnel and its history will be explained and, if possible, demonstrated. Also, experimental apparatus (force balances, manometer boards, pilot tubes, etc.) will be on display.

The departmental tour will end at this point. Anyone desiring to see the drafting room or the library will be taken there. Since these areas are of little general interest, however, they will be omitted from the main tour.

Tentative departmental plans for Parents' Weekend included the showing of a National Aeronautics and Space Administration movie of the John Glenn Orbital Flight. Final arrangements for the showing of the film have not yet been completed.

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Unusual Computer Advances At MIT

There have been a number of recent developments in the computer field around MIT. The TX-0 and the PDP-1, small educational computers, are being used for experimental work. A technique has been developed for use in conjunction with the 709 computer which edits and prints manuscript. An MIT graduate student has developed a mechanical hand, which, in conjunction with a computer, is used for investigating the field of animal response.

The mechanical hand, which manipulates wooden blocks very much in the manner of a young child, has been developed by an MIT graduate student for his doctorate.

The hand explores its environment by a sense of touch. With the computer it forms possibly the first artificial creature that can deal with the outside world and have a limited understanding of it.

The hand-computer system can find a block, determine its size, pick it up and place it on top of another block. It can continue and make a pile of blocks. It can also locate a box, explore and determine that it is a box, then find blocks

and put them in the box. Although blocks are a good toy for the hand, it can handle any object.

The mechanism was developed by Dr. Heinrich A. Ernst, a student from Switzerland, as part of a basic study in artificial intelligence. Although such computer-operated hands might have practical applications in industry, Dr. Ernst believes their likeliest use may be as robots for space exploration.

The hand, equipped with sensors and combined with a computer mechanism that permits a new approach in artificial intelligence research. Dr. Ernst said, "We wanted to study the cognitive, or thinking, processes in connection with the everyday activities of human beings and animals—such functions are grasping objects, lifting them, collecting and piling them. Hardly anything about the mental processes controlling these actions is known."

Perhaps the most important aspect of the hand-computer system is its ability to deal with the unexpected, Dr. Ernst said. If a board is placed to bar the path of the searching hand, the hand by its own initiative will feel its way around the board. "In other words, the system is capable of understanding its environment, even though in a limited fashion, because it is capable of correlating its program—in the computer—with the problem it faces. Much of our learning is exactly that, too—some procedures are taught us, but it is up to us to apply them."

A computer, a special typewriter and a standard photographic typesetting machine have been teamed up by two other scientists at MIT.

With this system, a draft of any book or document can be typed on a paper tape punching typewriter—a common office machine which produces typewritten pages and at the same time punches the text in code on a paper tape. The typewritten draft then can be proofread and editing instructions—all in simple English terms—typed out and a correction tape produced at the same time. Working on the information from the two tapes, the computer performs all deletions, insertions and other editorial changes at high speed and itself turns out a master tape of a completely correct text. The master tape, which contains directions for the selection of letter size and style, justification and format control, is then used to operate a Photon typesetting machine. Operated at a constant high speed by the tape, the Photon machine produces a finished positive on film or paper, ready for reproduction by offset or letter press printing. In the past Photon machines have generally been operated from a keyboard.

The system, developed by Professor Michael P. Barnett and Mr. Kalon L. Kelley as a by-product of their research in theoretical chemistry which involves extensive use of electronic computers.

Liquid Metal Pours From Furnace



A scene in the foundry of the Metals Processing Laboratory of MIT. The foundry, on the fourth floor of Building 35, will be the site of a metal casting demonstration, Saturday afternoon at 3:15.

Fassetts, Burton, Baker, Bexley, And E.C. To Host Informal Teas

Teas will be held for parents and students in four of the MIT dormitories on Sunday afternoon from 2:00 to 4:30 p.m. These informal meetings, affording the parents an opportunity to converse with various faculty members, will be held in Burton House, sponsored by Professor and Mrs. Bartlett; in Baker House, organized by Professor and Mrs. Alar Toomre; in Senior House, sponsored by Professor and Mrs. S. J. Mason; and in Bexley Hall, organized by Mr. and Mrs. Douglas East. In addition, Dean and Mrs. Frederick G. Fasset Jr. will be holding open house at their residence, 372 Memorial Drive, on Sunday afternoon.

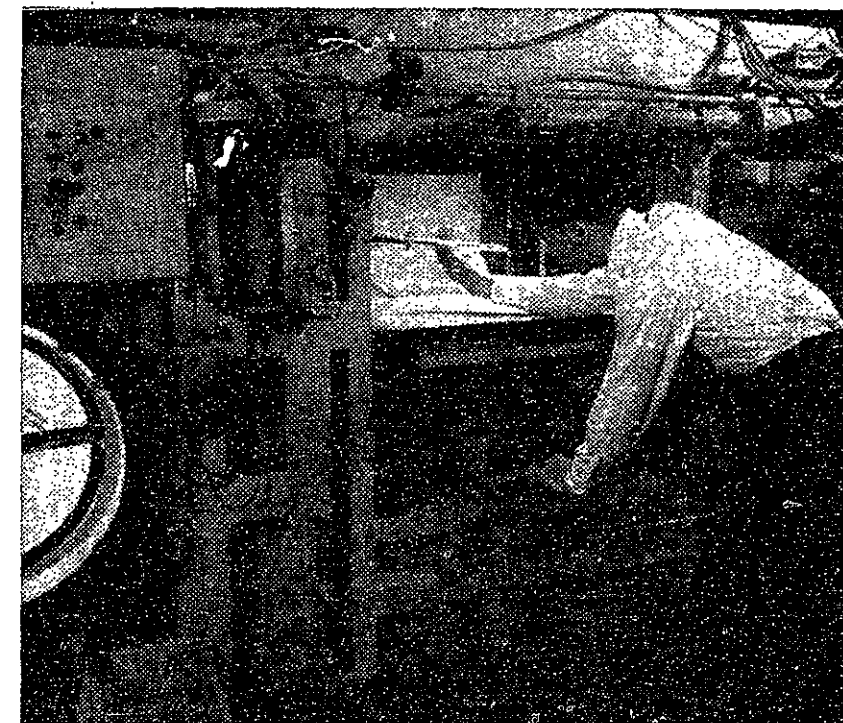
Parents' Weekend

Humanities Faculty Lounge Site Of XXI Open House

From two to five o'clock in the Humanities Faculty Lounge (14N 406, Hayden Library Building, top floor, near elevator) the director of Course XXI, members of the staff of the Department of Humanities, and some students currently in Course XXI will be happy to meet parents and students to discuss the Course. Refreshments will be served. In addition, a selection of books written by members of the Department of Humanities will be on display in the corridors near The Hayden Library Gallery, and books and materials used in the Department and in Course XXI will be available for inspection in the Humanities Reserve Book Room, 14N 132.

Wind Tunnels Open

Supersonic Winds Buffet Models



The Supersonic Blowdown Tunnel will be part of the tour of the Department of Aeronautics and Astronautics. The tunnel, shown being used by a student, uses a second tunnel as a pressure chamber and can generate winds of up to twice the speed of sound for a duration of fifteen seconds. The tunnel is in Building 17A.

Mechanical Engineering To Show Remote Control Maneuvers In Lab

The Mechanical Engineering Department is opening several of its laboratories for inspection Saturday afternoon. On display in the Sloan Laboratory (Building 31) will be several thesis projects. The Control Lab (3-059) will present various current departmental displays. Demonstrations of the department's Analog Computer will be held in Room 3-359.

In the Experimental Stress Analysis Laboratory will be an exhibit of photoelasticity, the use of polarized light for the determination of mechanical stress, and also a display of various strain gauges. The lab is in 3-259. Also open for inspection Saturday afternoon will be the Engineering Projects Laboratory, Room 3-143.

Featured in another of the afternoon's demonstrations, in addition to apparatus for studying airplane pilot response, will be a study of remote manipulation of objects on the moon by human operators on the earth. These demonstrations will be in the Man-Machines Systems Lab, Room 3-365.

A departmental tour will leave Room 3-174 at 2:00 p.m.

Inspection Of Chem Labs Part Of Course V Plans

In the Moore Room (6-321) at 2:00 p.m. on Saturday, the Chemistry Department will begin with a brief introductory talk which will be followed by tours of the various chemistry laboratories, during which parents and students will have a chance for informal talks with various faculty members. The tours and talks will last until 4:00 p.m.

Hillel Will Hold Brunch For Parents On Sunday

The MIT Hillel Society is sponsoring a brunch on Sunday morning at 11:00 A.M., and will be followed by a discussion to consider the difference between the religious ing for any interested parents. The brunch will be held in the environment at home and at Tech. Blue Room of Walker Memorial at 11:00 A.M. The cost will be \$1.00 per person.

From 21 To 12,000

MIT Grows Over Century

MIT was founded in Boston by William Barton Rogers, one of the leading geologists and natural scientists of his time, who had proposed a plan for a "school of practical science" as early as 1846. The charter was granted by the Massachusetts legislature on April 10, 1861, two days before the shelling of Fort Sumter and the outbreak of the Civil War.

Because of the war, the opening of MIT was delayed until 1865, when six professors and fifteen students met for the first classes, held in rented rooms until the first building, at Copley Square in Boston, was constructed and ready for use in 1866. Eventually the Institute had a dozen buildings but growth made the facilities inadequate, and in 1916 "Boston Tech," as it was popularly known, moved to the present site, in Cambridge, across the Charles River from Boston.

A university polarized around science, MIT has five schools—the School of Engineering, School of Science, School of Architecture and City Planning, School of Industrial Management and School of Humanities and Social Science. It is a community of about 12,000 people, including some 6,200 students (more than half of them undergraduates) and an instructional staff of more than 1,200.

MIT's facilities for teaching and research include a 1,000 kilowatt nuclear reactor, supersonic wind tunnels, Van de Graaff electrostatic generators, a cyclotron, synchrotron, ship model towing tank and others of similarly advanced and specialized nature. Completed in 1961 was a six-billion electron volt electron accelerator built and operated jointly by Harvard Univ. & MIT. The world's most powerful magnet, made possible by a \$9,502,000 contract with the Air Research and Development Command, is to be constructed by MIT by 1964.

In recent years MIT has conducted extensive research under

government sponsorship. The largest of its laboratories devoted to such work are Lincoln Laboratory, in Lexington, Mass., which has engaged in a wide range of activities related to national defense with particular emphasis on radar, communications, computer technology and solid state devices, and the Instrumentation Laboratory in Cambridge, the nation's leading center for research on inertial guidance systems such as those controlling the ballistic missiles Polaris, Titan and Thor.

Graduate teaching and research centers established for advanced work in important new fields are the Center for Communications Sciences, Center for Materials Science and Engineering, Center for Earth Sciences, Center for Aeronautics and Astronautics and Center for Life Sciences.

Parents' Weekend

Wind, Fuel Cells, Blood Shown By Chem Eng

At 1:45 p.m. in the central corridor of Building 12, the Department of Chemical Engineering will begin a general tour of the laboratories in Building 12. The

10

tours will feature various exhibits of student research. At the conclusion of the tours, there will be a coffee hour, from 3:30 to 4:30 p.m., for faculty and parents in the Lewis Conference Room.

Highlights of the planned demonstrations will include work being done on the rheology of blood, fuel cell demonstrations, wind tunnel studies, and a visit to the instrumentation room.

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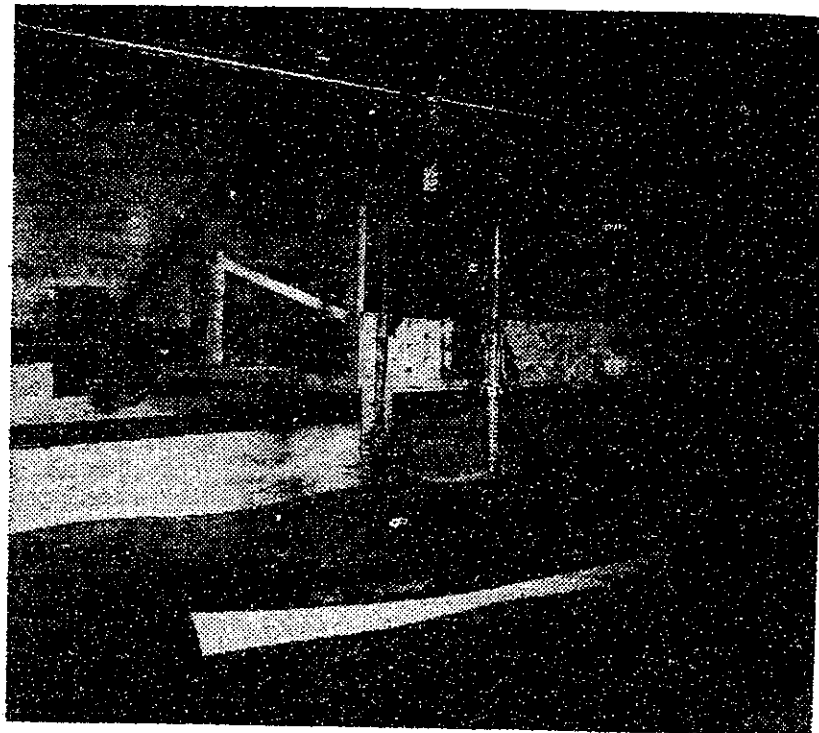
67A Mt. Auburn St., Cambridge
(Opp. Lowell House)
TR 6-5417

XIII To Create Waves And Cavitation

In conjunction with Parents' Weekend, the Department of Naval Architecture is offering tours and demonstrations of various of its facilities. From 2:00 p.m. to 2:45 the department's Towing Tank in Building 48, at the corner of Albany and Main Streets, will be opened.

The tank is used for fundamental research in ship motions and is part of an overall program aimed at enabling theoretical predictions of the motions of an arbitrary ship in any sea. The tour will include a demonstration of the behavior of a hydrofoil boat in waves of various amplitudes.

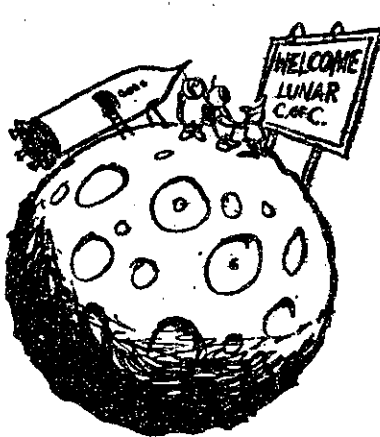
At 2:45, the department will show its Nautical Museum in Building 5. At 3:15, the tour will continue to the Propeller Testing Tunnel where the effects of cavitation will be demonstrated.



The Naval Architecture tour will visit the department's Ship Model Tow Tank in Building 48, shown here in the test of a model of a 500-foot ship under simulated wave conditions. The department is currently engaged in a study of the take-off characteristics of a hydrofoil craft in waves and will demonstrate this for Parent's Weekend. In many cases, the power necessary to take-off in rough water exceeds the power necessary to maintain flight. For that reason tests of this type will provide information necessary to predict the take-off characteristics of future hydrofoil craft.

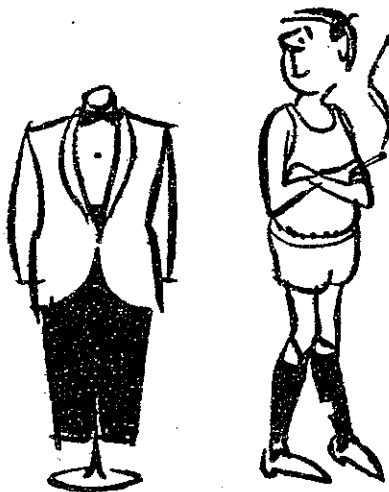
Check your opinions against L&M's Campus Opinion Poll #21

① Which would take more courage?



☐ ship to the New World (in 1492) ☐ rocket to the moon (in 1967)

② Is it true that "clothes make the man?"



☐ Yes ☐ No ☐ Sometimes

③ How did you choose your present brand?



☐ "Smoked around" till I found it
☐ Stuck with the one I started with

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HERE'S HOW MEN AND WOMEN AT 56 COLLEGES VOTED:

① New World	73%	78%
② Moon	27%	22%
③ Yes	14%	7%
④ No	31%	39%
⑤ Sometimes	55%	54%
⑥ Smoked around	83%	84%
⑦ Stuck with it	17%	16%

L&M's the filter cigarette for people who really like to smoke.

Lab Kits, Radio Signals

The Electrical Engineering Department will start its program of tours and demonstrations at 1:45 p.m. in the Bush Room (10-105). The program will conclude with a coffee hour with the faculty from 3:30 to 4:30 p.m.

The tours will include such things as demonstrations of E.E. home laboratory kits in room 3-402, radio signal detection and do-it-yourself communication receiver in room 10-475, high-speed photography in room 4-405, and a demonstration of MIT's TX-O computer.

Coffee Hour Planned By Biology

Student demonstrations in biology will be held in 16-436 beginning at 2 p.m. Saturday. These demonstrations are under the supervision of Robert W. Morris '63 and will last until 3:30. Then the Biology Department will hold an informal coffee hour with the faculty in Loofbourow Lounge, 16-711, from 3:30 until 4:30.

Physics Features Talks And Labs

The Department of Physics will begin its informal talks and tours at 2:00 in room 4-355. The tours will be highlighted with a series of demonstrations and experiments performed by students in the undergraduate physics laboratories. After concluding the tours about 4:00 p.m., there will be a coffee break for the parents and faculty in the Kolker Room (26-414).

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Cabot Spectroscopy Laboratory Demonstrated By Geology Dept.

The Geology Department plans to sponsor an open house which will include laboratory demonstrations and informal discussion with faculty members. Professors Dennen and Shrock are to be available in

12

room 24-321, for informal conferences with parents. This room will also be the starting point for tours through the Cabot Spectroscopy Laboratory in Room 24-018. A demonstration of the use of spectrometry in modern geology will be in progress throughout the afternoon. The program will endeavor to show the application of new techniques to the science of geology.

The Massachusetts Audubon Society says many birds have a poor sense of smell. The horned owl's favorite dinner is skunk.

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Famous MIT Auditorium

Kresge Dome 'Breathes' With Weather

The most unusual feature of MIT's Kresge Auditorium is its domed roof, or shell — a curved slab of concrete, triangular in shape. If you should cut a three-cornered piece from an orange peeling, representing one-eighth of the total surface, it would have the proportions and shape of the dome.

The dome is not structurally joined to the rest of the building. The tops of interior walls are separated from the dome by as much as four inches, the space being filled by rubber gaskets. Steel window frames are joined to the

dome by metal slip joints which permit slight movement between them.

This movement is necessary because there are varying rates of expansion and contraction in different parts of the dome, depending on the weather and the position of the sun. The dome "breathes."

The concrete shell is only 3½ inches thick—thinner in proportion to its area than the shell of an egg. On top of the concrete, however, are a two-inch layer of cinder concrete, a felt membrane, two inches of glass wool and an asphalt fabric.

These layers will total about eight inches in thickness at the top of the dome. The various layers not only serve to insulate the interior from cold and heat but also from outside noises, such as the sound of airplanes. The dome's total live load of 1,500 tons is borne by its three corners, each of which stands on a massive concrete buttress sunk into the ground.

'Bridge' Problems Met

Engineering problems in building the dome were more like those encountered in building a bridge than in erecting a conventional building. The structural engineers, Ammann & Whitney of New York, are a leading firm in concrete and bridge construction.

The auditorium seats 1238 people. Backs of the seats, in three shades of green, two of blue and one of orchid, give an unusual chromatic effect.

The huge stage has room for 250 musicians. At the left is a choir loft with space for 75 singers. At the right is an organ loft, which houses the Holtkamp Organ given by former governor Alvan T. Fuller. The organ was designed especially to suit the size, shape, and acoustical properties of the building.

Since the domed ceiling would tend to focus sound in certain parts of the auditorium, various acoustical devices were employed so that every member of the audience might hear well. Most important of these devices are "clouds," rectangular baffles suspended from the dome to diffuse sound.

Extensive testing of acoustics has been conducted. The layman's cliché, "you can hear a pin drop," actually applies. A pin dropped at any point on the stage can be

heard throughout the auditorium—providing the audience is quiet enough.

The clouds also serve to make ventilating, lighting and sound equipment. A row of fifteen spotlights not far from the center of the domes can be reached by a catwalk above the clouds.

Although speeches and concerts on the stage usually will not require amplification, there are loudspeakers in the clouds above the stage. These include a "twoceter" and a "woofler" for high and low frequency sounds and can be used for radio, recorded music and sound movies.

Built For TV

At the rear of the auditorium is a carefully engineered, fireproof projection booth, with lighting and sound controls and a motion picture projector. There is a soundproof booth for an announcer and there are two optical glass ports for television cameras.

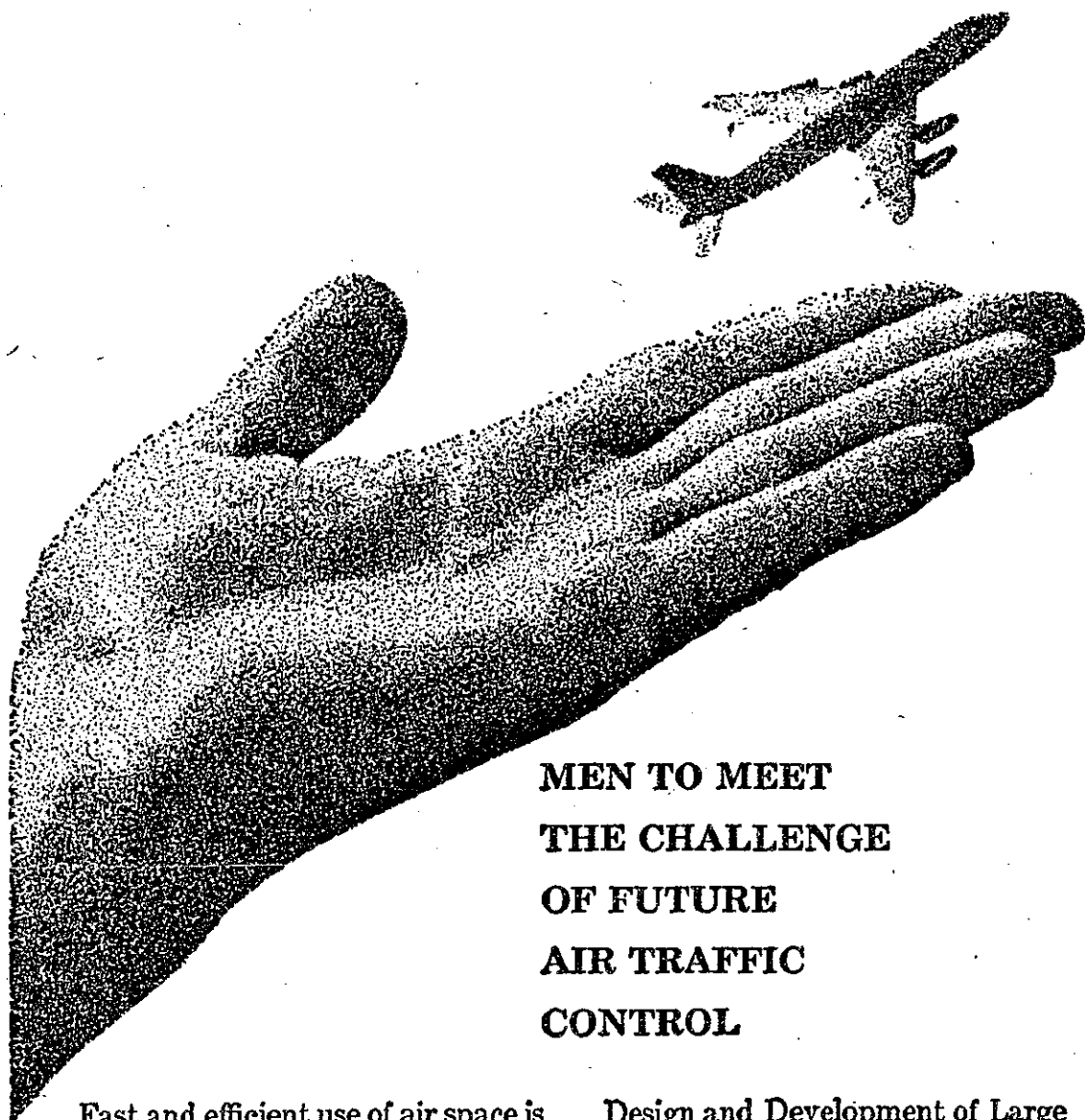
The needs of television were carefully taken into consideration in the planning, and the auditorium is one of the few buildings today with an abundance of "built-in" television facilities. As many as six TV cameras can be used at one time for the recording of a performance. There is television wiring within the walls of the auditorium which will enable cameras to be "plugged-in" at various points. Television control trucks from other stations can be parked at the rear of the auditorium, with easy plug-in connections with cameras inside.

Below the main auditorium is a small theater, seating 214, for chamber music, conferences and intimate dramatic productions. It also has facilities for television broadcasting.

There are two large rehearsal rooms in the basement for band and orchestra, both designed to meet high acoustical standards. They can also be used for radio and television studios.

Hidden below the ground level are enormous air conditioning units, in winter used also for making ice on the adjacent skating rink, which was built shortly before the Auditorium.

Construction of the auditorium was made possible by a gift of \$1,500,000 from the Kresge Foundation. The chief architect was the late Eero Saarinen.



MEN TO MEET THE CHALLENGE OF FUTURE AIR TRAFFIC CONTROL

Fast and efficient use of air space is an increasing concern of the United States. The public welfare demands a well-conceived plan for Air Traffic Control, now and in the future.

To meet this challenge, MITRE is cooperating with the Federal Aviation Agency in developing and proving out the design of the nation's future Air Traffic Control system. Making use of its Air Traffic Control System test bed in Bedford, Mass., MITRE formulates design to reduce system concepts to practice for test operation and evaluation in both live and simulated environments.

Currently, personnel assignments are available in the following areas: System Engineering, Operations Research and Operations Analysis,

Design and Development of Large Scale Man-Machine Experiments for Test and Evaluation.

Experienced scientists and engineers are needed immediately for this important job and others in MITRE's expanding role in the design and development of real-time computer based systems.

College graduates with high scholastic achievements and an interest in these fields are invited to apply.

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Parents' Weekend

X-Rays, Closed Circuit TV

On Saturday, at 2:00 p.m., the Department of Metallurgy will begin its program for Parents' Weekend with a brief meeting in Room 8-309. Following this, there will be a closed circuit television demonstration in which a few members of the Senior Class will describe the metallic phase transformation, as seen through the microscope.

At 2:45, the visitors can then go to various labs, where various MIT undergraduates will be present to explain the work carried out in each one. The labs that will be open are: the Materials Science Lab, used in the demonstration of the structure and types of metals, the electron microscope room, the Heat and Fluid Flow Lab and the X-ray Lab, in which there might be an explanation of X-ray diffraction.

There will then be a Foundry demonstration in Room 35-419, where students will explain the procedure involved in casting metal. Finally, at 3:45, a coffee hour will be held at which parents will have the opportunity to talk with various faculty members.

Mathematics Sponsors Tea For Parents And Students

The Mathematics Department is sponsoring an informal discussion and tea for parents, students, and faculty from 2:00 to 3:30 in Room 2-290.

NEWBURY'S STEAK HOUSE

94 Mass. Ave., Boston

You may now avail yourself of a \$12.00 food check book for \$10.00 (offer limited).

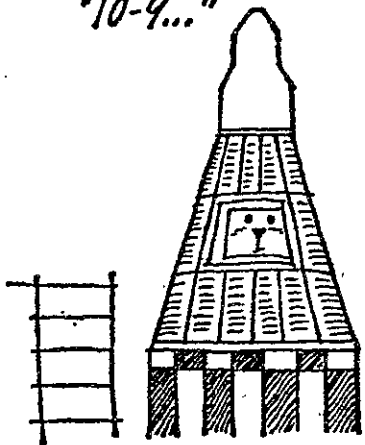
This Coupon Is Worth
50c
Towards Any Dinner
Over \$1.76

Good Until June 30, 1962

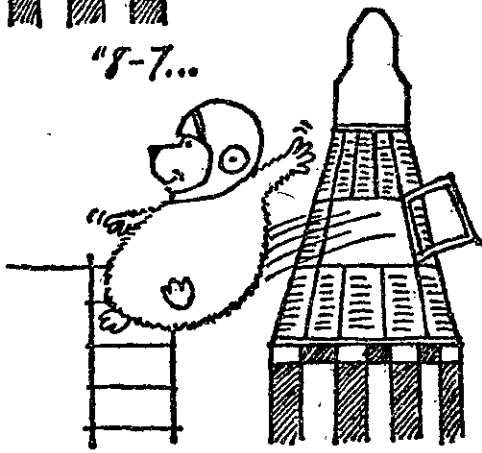
haskell

the Schaefer bear

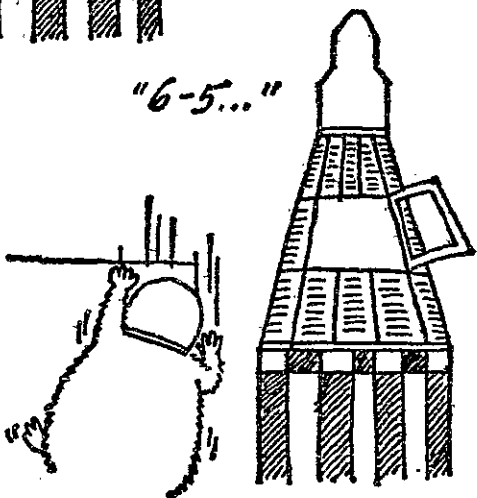
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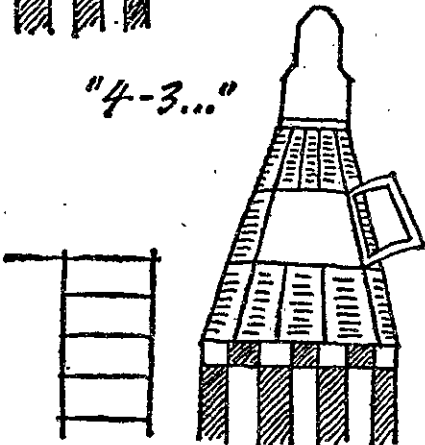
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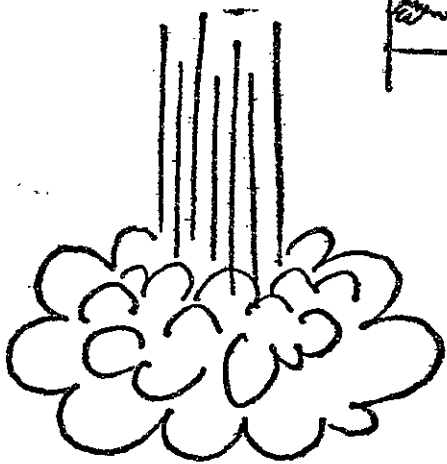
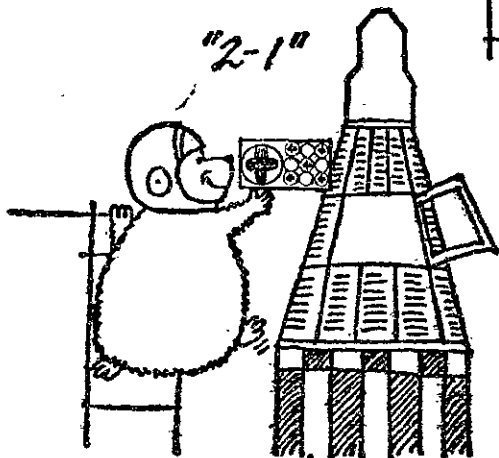
"6-5..."



"4-3..."



"2-1"



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It's the one beer to have when you're
having more than one.



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Architecture Drafting Rooms Open To Visitors

The drafting rooms of the Department of Architecture will be in use and open to all visitors this Saturday from 2 to 5 4 p.m. They are located on the 4th floor of building 7. The offices of Professor Filipowski (7-421) and Professor Preusser (5-407) will also be open, from 2 to 4 p.m., for visits by parents.

Parents' Weekend

The MIT Chapel:

Irregularly Shaped Arches Topped By Bell And Spire

A windowless cylindrical chapel that has been called one of the most extraordinary religious buildings of our time was dedicated at the Massachusetts Institute of Technology May 8, 1955.

Designed by Eero Saarinen to meet the needs of all faiths, the chapel is one of the few in the country to be used for regular services by Catholics, Protestants and Jews alike.

A solid brick cylinder, the chapel stands in a water-filled moat. Structurally, there is complete separation of interior from exterior. The building amounts to a platform for the congregation and altar which is surrounded by a separate covering.

Cut into the bottom of the chapel cylinder are irregularly shaped and irregularly spaced arches. Light is reflected from the water of the moat into the interior of the chapel through these arches. Additional soft light may be provided by pin-hole ceiling lights.

Chapel Interior

Within the chapel, the principal permanent frontispiece is a solid marble pedestal, rectangular in shape and about three feet high. The special religious objects required by the different faiths will be placed on this pedestal as they are needed.

Separate vestment and storage rooms are provided in the basement of the chapel below the pedestal and changes at the pedestal will be facilitated by elevator service between the basement and the main chapel floor. The pedestal receives its own special light from a circular glass ceiling port called a lantern. The lantern also provides artificial light for nighttime use. Both the daylight and artificial light from the lantern enter the chapel from behind a honeycomb grill.

The altar light presents a striking contrast to the dimmer light reflected from the moat. This contrast is further accentuated by a metal screen that hangs from ceiling to floor behind the altar.

Designed by the noted sculptor Harry Bertoia, the screen is not a solid partition but an open fret of slim metal rods and cross plates. It is an ornamental separator which serves to heighten the effect of the lantern above the altar.

No Bricks Alike

The walls of the chapel are brick inside and out and the irregularly shaped arches of the exterior represent an outstanding piece of masonry. Here each individual brick had to be cut to shape and no two bricks are the same.

Within, the brick walls are wavy or serpentine in shape. This waviness was needed for acoustical reasons. The chapel floor is Travertine marble set in an unusual diamond pattern and the inner brick is softened with the same wood wainscoting that is used in the nearby Kresge Auditorium.

The chapel seats are individual ladder-back chairs instead of conventional pews. They were especially designed by Saarinen for the chapel and were manufactured by a Cambridge firm.

Organ By Holtkamp

Leading into the chapel, the long narthex or passageway is walled in glass stained in antique gray. Directly above the entrance of the narthex is the organ built by Walter Holtkamp, internationally known organ maker.

The outer brick cylinder of the chapel is about 50 feet in diameter and 30 feet high, topped by an aluminum spire taller than the cylinder itself. The spire is the creation of Theodore Roszak, the sculptor, who also designed the bell which hangs at the base of the spire.

The MIT chapel has been planned as a quiet retreat. Its isolation is effected in part by the device of the moat and by the solid windowless cylinder of the chapel building.

The approach from the main campus is through a grove of trees beside a screening wall of brick. The light dims in the stained glass entryway of the narthex and, except for the altar light, becomes even softer within the chapel itself. The separation from the outer campus is complete.

Tech Railroad Club To Hold Open House Saturday Afternoon

The Tech Model Railroad Club will hold its spring Open House, on Saturday, April 28, in conjunction with Parents' Weekend. There will be two sessions, from 2:00 to 5:00 p.m. and from 7:30 to 10:00 p.m. The Model Railroad Club is located in Room 20E-216.

The Club has a large HO scale layout, with over six hundred feet of track. A twelve hundred relay automatic control system allows simultaneous operation of five main-line trains and three yard areas. The Club has added to its layout in the past year, most noticeably in the extensive scenicing of the yard areas.

Corsages For Spring Weekend

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Cambridgeport Savings Bank

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MIT Sports Program Revitalized By Million Dollar Athletic Center

Superb facilities for student athletes at MIT, including everything but a football stadium—which the Institute doesn't need—are available in the David Flett du Pont Athletic Center on its west campus. The building was dedicated October 5, 1959, climaxing a long-term program for MIT's busy and varied intramural and intercollegiate sports activities. One out of every four students now participates in intercollegiate sports at the institute.

MIT has other facilities for sports and recreation that include the Armory—which was bought from the state five years ago—Rockwell Cage, Briggs Field House, an outdoor skating rink, and a large tract of playing fields extending nearly half a mile from the rear of Kresge Auditorium on the west campus.

The du Pont Athletic Center was erected adjoining the Armory and is also connected with Rockwell Cage and Briggs Field House, both built since the war. The Center was made possible by a \$1,000,000 bequest left by 21-year-old David F. du Pont of Wilmington, Del., who was killed in an automobile accident in September, 1955, just two weeks before he was to have returned to MIT for his senior year.

One side of the Athletic Center is flush against the red brick wall of the Armory, but on the side facing nearby Kresge Auditorium, the 240-foot wall is faced with glass panels and has a strip of windows that give it the appearance of a three-story structure, although there are only two main floors.

The ground floor has a large equipment room, where all uniforms and equipment for 19 varsity sports at MIT are maintained, a huge locker room, dozens of showers, a trainer's room, a visiting team's room, and a locker room and showers for women. The men's locker room measures 50 by 147 feet and contains nearly 2,000 individual lockers for students.

The second floor is occupied by a multi-purpose gymnasium. Two folding wooden doors are located at intervals to divide the space into a wrestling room, a fencing room and an individual exercise room 43 feet in length. Flooring is hardwood over cork, and fluorescent lighting is used throughout the gymnasium area.

Dozens Of Uses Found For Reactor

More than a hundred nuclear reactors have been built in various parts of the world since the first sustained atomic chain reaction was achieved at the University of Chicago in 1942. They are of a number of different types and sizes and were built for various purposes. Some are research reactors, such as the MIT Reactor. Some are very large ones for the production of fissionable material, such as those at Hanford, Wash. Some were designed for the production of electric power.

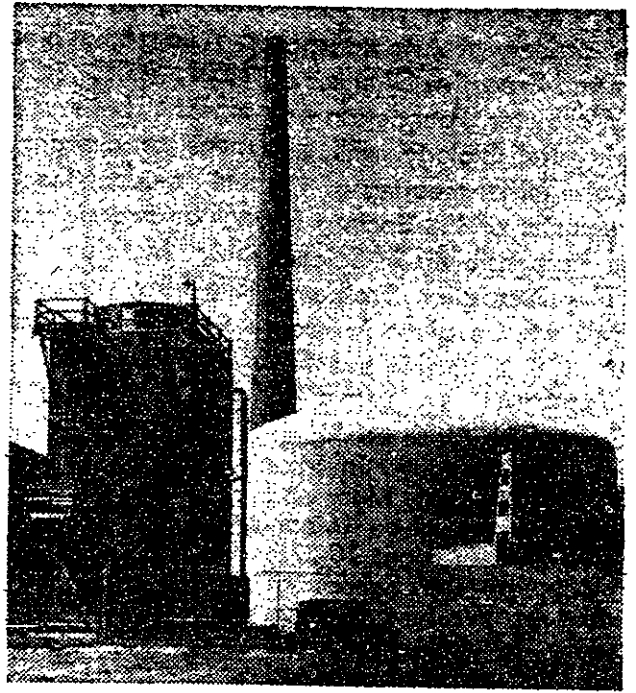
The MIT Reactor is small compared to reactors for the production of power or of fissionable materials, but it is in the first rank of the world's scientific research reactors. It is similar in type to the CP-5 at Argonne National Laboratory near Chicago and to DIMP and PLUTO, operated by the United Kingdom Atomic Energy Authority at Harwell, England, in that all of these employ solid fuels and are moderated and cooled by heavy water.

NSF Grants

Research capabilities of the nuclear reactor have been augmented under a National Science Foundation grant of nearly a quarter of a million dollars.

The grant of \$235,340 has permitted MIT to expand basic research in such areas as refinements in the theory of nuclear reactors and the extension of man's knowledge about the atom's invisible but extraordinary structure. The NSF, a Federal agency established by Congress, provides financial support for worthy scientific purposes.

The MIT Research Reactor (MITR) is a facility of the Department of Nuclear Engineering. It is the heart of a \$3,500,000 research installation located on Albany Street, Cambridge, a few minute's walk from the MIT campus. The reactor originally "went critical" (achieved sustained atomic chain reaction) on July 21, 1958. In July,



At the right is the MIT Nuclear Reactor, part of a \$3,500,000 research installation on Albany Street, west of Massachusetts Avenue. The reactor, known as Building NW-12, has been in operation since July, 1959. To the left is the cooling tower which provides water to cool the reactor.

1959, following a year-long series of operating tests and low power experiments, the reactor went onto a 24-hour schedule from Monday through Friday.

Operation since July, 1959 has been at the one megawatt power level. Additional instrumentation and heat exchangers are needed to raise the power. An increase to two megawatts was scheduled for early 1961. By adding another cooling tower or by utilizing a water line which is to be installed in the MIT Magnet Laboratory on Albany Street, the designed capacity of five megawatts will be attained, possibly in 1962.

The research staff of 30 scientists, engineers, technicians, maintenance and administrative personnel is headed by Dr. T. J. Thompson, professor of nuclear engineering. Dr. Thompson designed the MITR and supervised its installation, which was started in 1956.

Students Active In Research

In addition to the regular staff, many members of research teams from M.I.T. and outside agencies are using the facility. Approximately 80 graduate students from the Departments of Nuclear Engineering, Physics, and others also train and work at the facility each semester. Most students are engaged in the design, installation and operation of the mechanical and electronic equipment for various projects, and in the interpretation of experimental results.

Uses Of Reactor

In addition to being devoted to the training of students, to scientific research and to medical therapy, the MIT Reactor has a number of uses. Among them:

Experiments in the sterilization of foods and medical supplies.

Studies of mechanical wear. Piston rings, for example, can be made radioactive and the rate at which they are worn in an engine can be measured with precision. Such studies can lead to improved alloys, better design and better lubrication.

Research is improving materials. Plastics, can be made stronger and more heat resistant by bombardment with slow neutrons.

Speeding of chemical reactions by radiations.

Modifying the properties of transistors.

Studies of biological mutations. It is believed that the usefulness of plants and animals can be increased by the development of new strains through the use of radiation.

Testing the effect of radiation on metals and other materials for possible use in reactor construction.

Studying the changes which take place in reactor fuels while they are being consumed in a reactor.



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NOTICES

LECTURES

DR. HUDSON HOAG-LAND, President of the American Academy of Arts and Sciences and Executive Director of the Worcester Foundation for Experimental Biology, will address the initial meeting of the MIT chapter of the Society for Social Responsibility in Science on "The Population Problem." The talk will be given in room 3-270 at 8 p.m. this evening.

A SPECIAL LECTURE by Dr. Edward H. Bloch on "High Speed Photography in the Smallest Vessels of Man and Animals" will be given tomorrow at 3 p.m. in room 10-275. Dr. Bloch, of the School of Medicine at Western Reserve University in Cleveland, will present his results obtained from high-speed motion pictures of blood flow in the micro-vascular systems of living tissue. This lecture is open to all.

THIS WEEK'S PHYSICS COLLOQUIUM presents Professor R. A. Smith of the University of Sheffield in England talking on "New Detectors for the Far Infrared." The lecture is at 4 p.m. in 26-100; all are invited.

SEMINARS

THE LOCKER ROOM SOCIETY, Lambda Rho, continues to extend a friendly invitation to all breeze-shooters, bull-slingers, and all other non-silent types to its daily discussion on topical subjects. The "seminar" runs from 11-2 Monday through Thursday, and 11-5 Friday, in room 2-090. For more information, call A. Aaron, DU 9-9212.

THE CIVIL ENGINEERING DEPARTMENT presents another seminar in the MIT Inter-American Program in Civil Engineering next Tuesday, May 1, at 4 p.m. in room 3-133. Mr. J. W. Erler, former president of Sears Roebuck Co. in Cuba, and presently manager of a Sears branch in Topeka, Kansas, will speak on "I Saw Free Enterprise Die in Cuba."

MEETINGS

YOUNG REPUBLICANS CLUB will hold an election meeting in the Miller Room, 3-060, at 5 p.m. today. All members of the club are requested to attend.

MISCELLANEOUS

FRESHMEN ORIENTATION IN CHEMICAL ENGINEERING is the purpose of Course X's Open House this afternoon from 4:30 to 5:30 in the Walker Room, 12-011. All freshmen are invited.

A METALLURGY FRESHMEN OPEN HOUSE will be held Thursday, May 3 in the Given Room, Building 35, from 5 p.m. until 6 p.m.

THE FRESHMAN COORDINATING COMMITTEE announces a smoker for freshmen and sophomores interested in working of the committee. The gathering will be tomorrow from 3 to 5 p.m. in the Miller Room (3-070). Revisions in the freshman weekend program will provide opportunity for imaginative thought and original work on the part of FCC members.

WANT TO TEACH THIS SUMMER? A summer program

this year will enable MIT students, grads or undergrads, to teach high school students in college subjects, including 18.01, 8.01, 5.01, 14.01, and others. There will be no payment or charges involved for the student-teachers. Classes will be two nights a week (probably Monday and Thursday), one hour each night. Those interested may contact Elliott Bird at x3205.

THE ASTROLOGER CORDELL BRACEY said that according to the stars, the first week in May will be National Geranium Week. He adds, "No home should be without a geranium plant next week. All of the MIT community should make every effort to secure a geranium flower."

IM Table Tennis In Final Matches

Intramural Table Tennis reaches its climax this week with the round robin playoff rounds between the top six teams. Matches will continue through tomorrow evening, and begin each night at 7:30 in the Armory.

An all dormitory playoff was assured when undefeated league winners Baker B, C, and D, Burton A, and Burton Dining Staff were joined by second place playoff victor East Campus A.

Favored to win top honors is Baker D, which features last year's New England Intercollegiate champion Alan Bell. Close matchings of the other teams should provide close contests for runner-up spots.

Schedule of Events For IM Track Meet

Event	Time
Field Events: High Jump, Shot Put, Broad Jump	1:30
Dash Trials: 220 yd, 100 yd, 120 Low Hurdles, 80 High Hurdles	2:00
Half Mile:	2:30
880 Medley Relay	2:45
80 yd High Hurdle Finals	3:00
Mile	3:15
880 Relay	3:25
440 Finals	3:45
100 yd Finals	3:55
220 Finals	4:05
120 Low Hurdle Finals	4:15

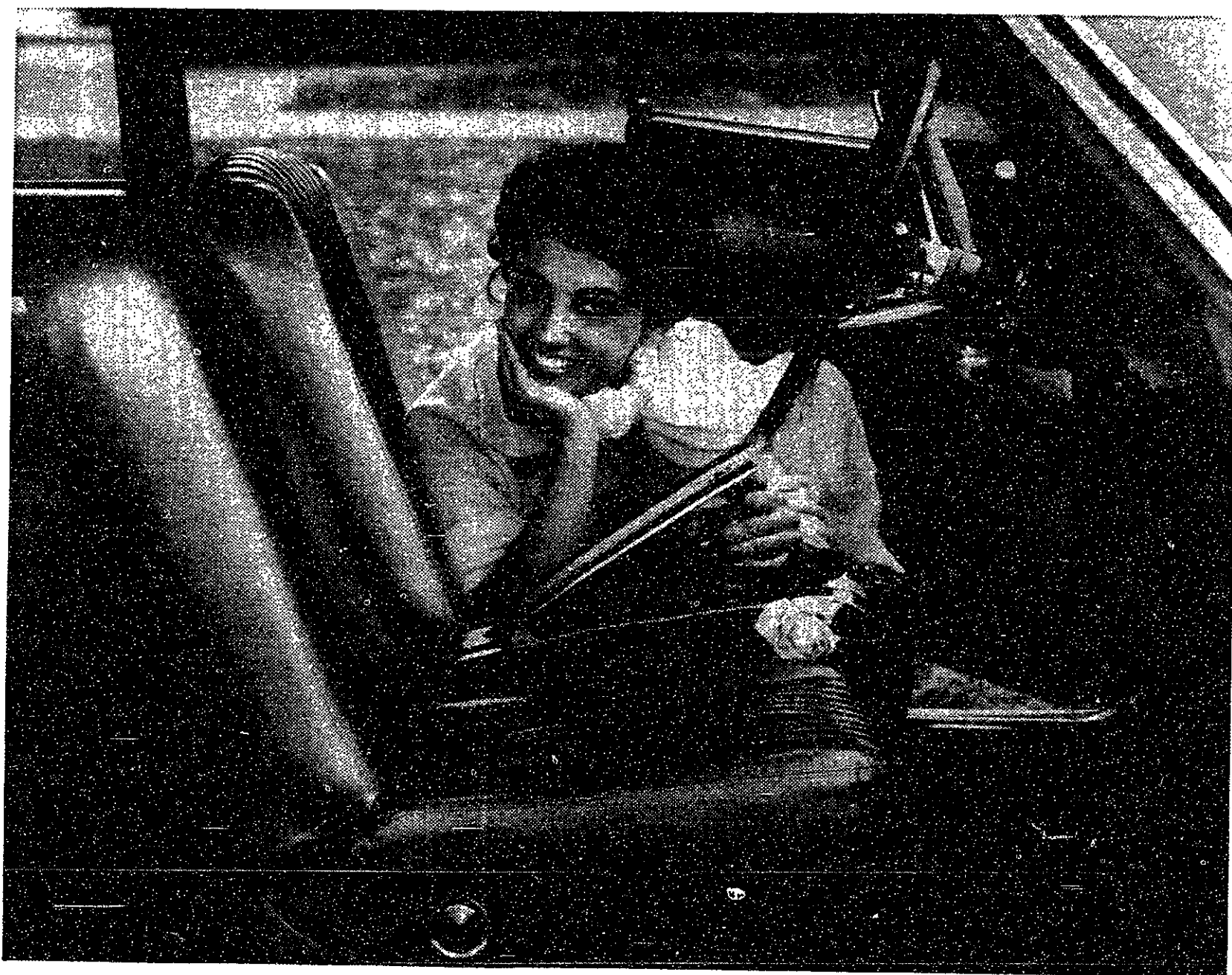
Time: April 29, 1962, 1:30 P.M.
Place: Briggs Field, MIT

MORE GOOD NEWS

Now you can get \$25,000 of Savings Bank Life Insurance's famous term protection for as little as \$100 a year, net payment, if you are age 39 or younger. In fact the younger you are the less it costs. It's designed to give the man who needs more protection NOW what he needs at a cost he can afford NOW. You can buy smaller amounts (\$3,000 minimum) at the same low cost per thousand. Look into it. Ask for the free folder: \$25,000 for \$100.

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Lively Mikki Pellettieri, Tulane '63



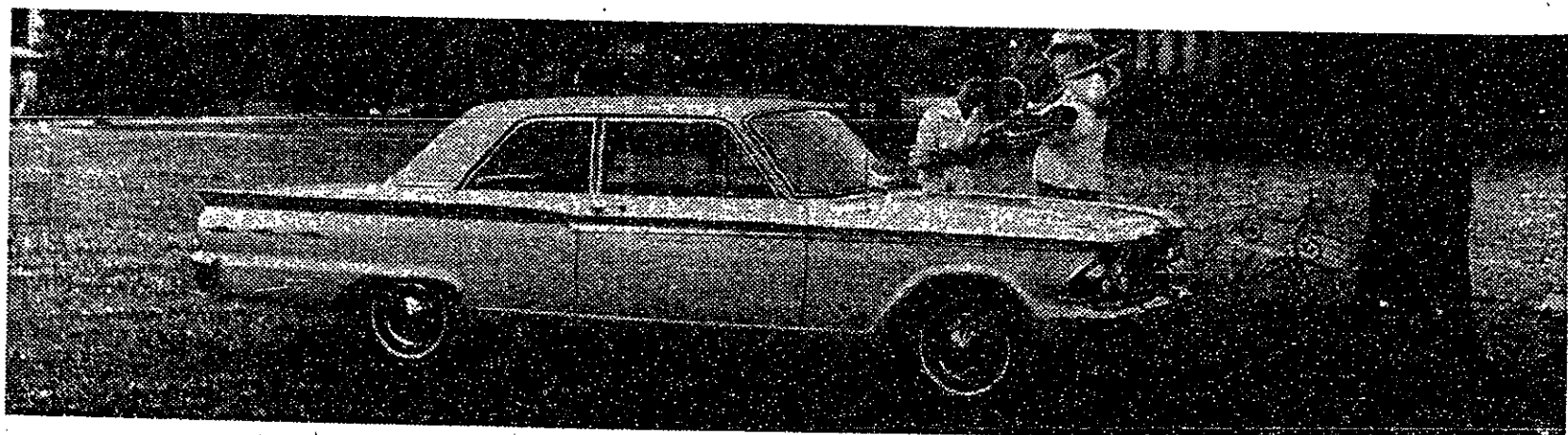
Oklahoma born Mikki Pellettieri now calls Houston, Texas, her home. She's Secretary of the Tulane Student Council.

Lives it up with this Lively One from Ford '62: the new Fairlane 500 Sports Coupe!

Mikki Pellettieri, a Year Book Beauty, has her mind on Psychology and her eye on the all-new Fairlane 500 Sports Coupe. This Fairlane "a la king" combines trimmed-for-action outside dimensions with carriage trade interior appointments, between-seats console, and

snug-fitting bucket seats. An optional torrid Challenger 260 V-8 engine delivers high-velocity performance on regular gas. See the exciting Fairlane 500 Sports Coupe and all the Lively Ones at your Ford Dealer's—the liveliest place in town!

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IM, Varsity Sports Face Heavy Slates

THE TECH

WEDNESDAY, APRIL 25, 1962

Page 19

By Howie Ellis

While a total of seven varsity and four freshmen teams compete in intercollegiate contests this weekend, action on the intramural front is picking up to a feverish pace. Four of the six spring intramural sports boast

a full calendar of contests. **IM Track Meet, Sunday** One of the most exciting of these will be Sunday's IM track meet. Last year, with eleven teams competing in ten different events, Beta Theta Pi emerged as victor. Six school records fell

in that meet, and many more are destined to topple again this year. Intramural baseball action will also continue into its fourth round this weekend. With over four hundred Techmen taking the field in seventeen separate contests, a number of league posi-

tions should be firmly decided. In other intramural activities, IM Ping Pong finishes up its final rounds, IM Squash continues into another round of play, and preparations for the IM Golf Meet (May 11th) continue. **IM Sailing Season Ends**

Intramural Sailing is the only sport to have completed its season. The two-week session ended last Monday with Phi Gamma Delta emerging victorious as school champion.

In preparation for next year's IM activities, the Intramural Council recently elected managers for the winter sports.

They are: Bob Wells, '65, (Wrestling Mgr.); Bill Brody, '65, (Swimming Mgr.), and Dick Seidell, '65, (Hockey Mgr.).

In addition to these three, the winter intramural schedule includes basketball, bowling, badminton, and volleyball. Fall IM sports are touch football, tennis, and sailing.

As a point of information, MIT is one of the few colleges where the intramural program is run completely by the students.

Varsity Schedule Heavy

But this flurry of intramural activity in no way slows down the regular intercollegiate varsity schedules. Of the nineteen major varsity sports, six are spring sports, and Saturday, squads in all six of these intercollegiate sports will compete in contests both at home and away.

By far, the biggest sporting event of the weekend is All-Crew Day. From 10:30 a.m. to 6:00 p.m., thirteen races, including ten Tech contests, will take place on the Charles River. MIT lightweight crews meet Harvard and Dartmouth starting at 2:30. From 4 to 6 p.m., the Heavies encounter the Yale oarsmen. Fresh from their spectacular ten race sweep of the previous week, the Engineers will be out to bring home the Biglin Cup.

Tech's Varsity baseball team, currently holding a 2-6-2 record, meets Middlebury College at the opponent's field. Meanwhile, the Frosh Nine faces Harvard freshmen here on Briggs Field at 2:00 p.m.

In other varsity action, the Lacrosse Team meets Amherst — away — the Golf team faces Colby College at the opponent's home course, the Track Team has a dual meet with Bowdoin, away; and the Tennis Team, currently on a three-game winning streak, faces Amherst, away.

On Deck

Today, April 25

Golf (F) — Governor Dummer Academy, Home, 2:00 p.m.
Lacrosse (V) — Massachusetts, Home, 3:00 p.m.
Lacrosse (F) — Andover, Home, 2:00 p.m.

Friday, April 27

Golf (V) — Tufts, Wesleyan, Home, 2:00 p.m.

Saturday, April 28

Baseball (V) — Middlebury, Away, 2:00 p.m.
Baseball (F) — Harvard, Home, 2:00 p.m.
Crew (HV) — Yale, Home
Crew (LV) — Biglin Cup — Dartmouth, Harvard, Home
Golf (V) — Colby, Away, 11:00 a.m.

Lacrosse (V) — Amherst, Away, 2:00 p.m.
Lacrosse (F) — Winchendon School, Away, 2:00 p.m.

Tennis (V) — Amherst, Away, 2:00 p.m.

Track (V&F) — Bowdoin, Away, 1:00 p.m.

Monday, April 30

Baseball (F) — Northeastern, Home, 3:00 p.m.

Tuesday, May 1

Baseball (V) — Harvard, Home, 3:00 p.m.

How They Did

Lacrosse
MIT 12, Holy Cross 11
UNH 7, MIT 2

Tennis
MIT 5, Wesleyan 4

Track
Tufts 63
MIT 53
UNH 49

Baseball
Bates 5, MIT 2

Crew
MIT Heavies win five races.
MIT Lights win five races.

While intercollegiate action in all six varsity sports takes place this weekend —



—on the home front, close to 1000 Techmen will storm the fields in IM contests ranging anywhere from softball to sailing.

Varsity Cindermen Place Second In Triangular Meet With UNH, Tufts

With six first places, MIT's varsity track squad copped a second place in a triangular meet with UNH and Tufts at Durham, N. H. Tufts won with 63 points, Tech had 49, and UNH finished with 49. The Engineers showed surprising all-around strength and were leading

the field with only five events left. **Goddard Wins Mile** Tom Goddard, '63, was an easy winner in the mile and came back later in the afternoon to place second in the half with a fine time of 2:02.2. Harry Demetriou, '63, took an early lead and ran away

from the field to win the 440 yard dash in 50.7. The other Tech first in the running events was a fine showing by Forrest Green, '63, in the 220 low hurdles.

Eagleson Clears 6'

In the field events Bill Eagleson, '64, cleared six feet to snare first

place for Tech. Dick Sutton, '62, won the hammer throw as Jerry Dassel, '64, backed him up with a solid second place to give the Engineers 8 points in that event. Bill Remsen, '63, took the sixth first for Tech in the shot put. Another good showing was made by Mike Simpson, '64, who captured six points in three field events with a second, third, and fourth.

Frosh Close Third

In the freshman meet the little Beavers were third behind UNH and Northeastern. UNH's score was 67½, Northeastern, 41; MIT, 37½; and Tufts was last with 19. Big point gatherers for the frosh were Terry Dorschner and Ken Morash. Dorschner won the 220 low hurdles with Morash close behind him. Dorschner placed in two other events also, including an outstanding showing in the 440 dash. Morash won the 120 highs and was in a tie for first in the pole vault along with Mike Keene and two UNH frosh. In other field event scoring George Hadley took second in the high jump.

Oliver Scores In Mile

In the 880 Dean Hubbard ran his best time with a 2:05.1 and placed third. In the mile Mike Oliver was third with 4:34.8 and Dick McMillin showed great improvement as he placed fifth with 4:48.

MIT Varsity Sailors Place 3rd Out Of 12

MIT's varsity sailing team placed third out of twelve teams in the Boston Dinghy Club Cup competition, held here Saturday and Sunday. Harvard won with 251 points, Coast Guard took second with 239, and MIT came in third with 235. Ken Klare, '63, and Mike Lifschitz, '63, were in contention until the last race.

The freshmen took their elimination races for the New England Championship in another thriller at Coast Guard.

Phi Gams Hold 7 Point IM Sailing Lead

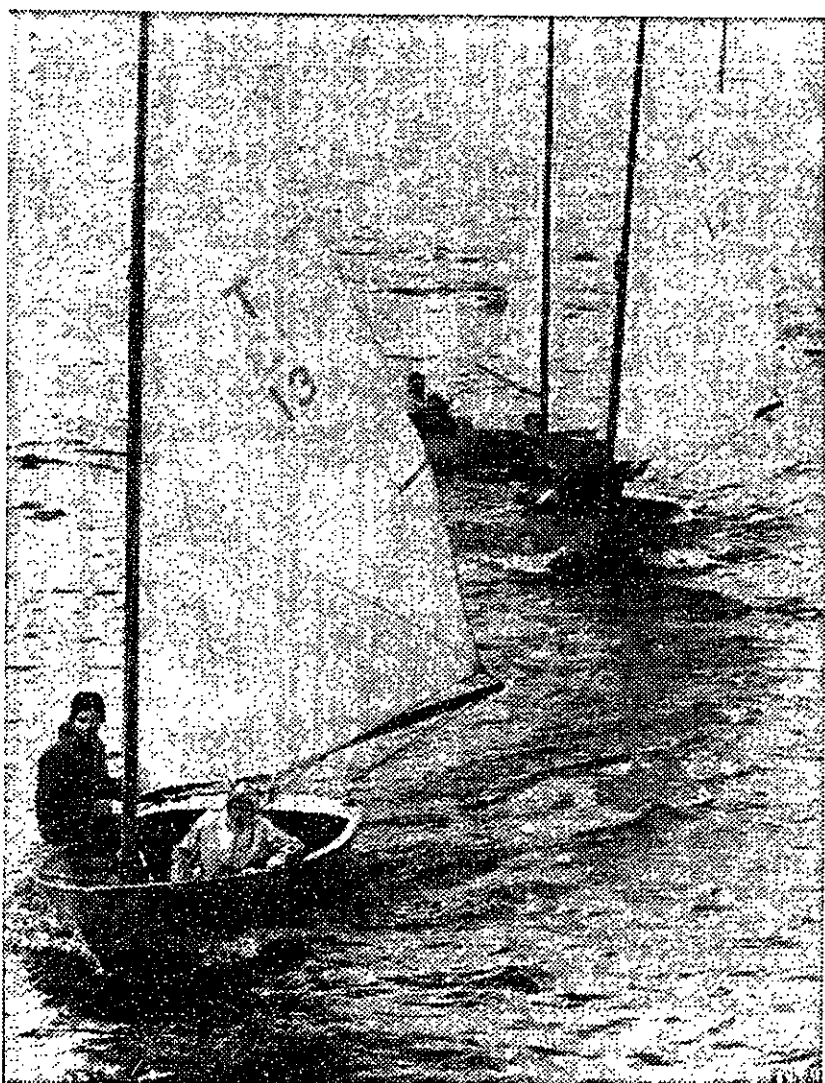
The first regatta of the intramural sailing season was held on Wednesday evening April 18 with seven teams returning from the fall competition. At the end of that competition, the returning teams stood:

- 1-Phi Gamma Delta
- 2-Theta Delta Chi
- 3-Sigma Alpha Epsilon
- 4-Grad House
- 5-Phi Delta Theta
- 12-Baker House

At the end of three races last Wednesday, it appeared as though the Phi Gams would continue their domination, with their two whippers, Hastings and Strong, sailing consistently well. SAE's whippers, Bails and Jordan, showed some good sailing, however they were hurt by protests. Nevertheless they still took a second at the end of the day; and they look as though they will give Theta Delta Chi a battle for second place in over all season's ratings. Theta Delta Chi is not giving much room, however, as they took a close third under the skippering of Felts and Strube. Grad The final regatta is scheduled to be held this Thursday at 4:30, having been postponed because of rain last Thursday and wind last Monday.

The spring standings, as of this moment, are:

Phi Gamma Delta	40
SAE	33
Theta Delta Chi	30
Grad House	26
Baker	24
Phi Delta Theta	24
Theta Chi	17



Weather was perfect for sailing last weekend as varsity and IM crews took to the water in a number of exciting races.

—Photo by Conrad Grundtner

Paperback Review

UNREQUIRED READING FOR UNDERGRADUATES / March 1962

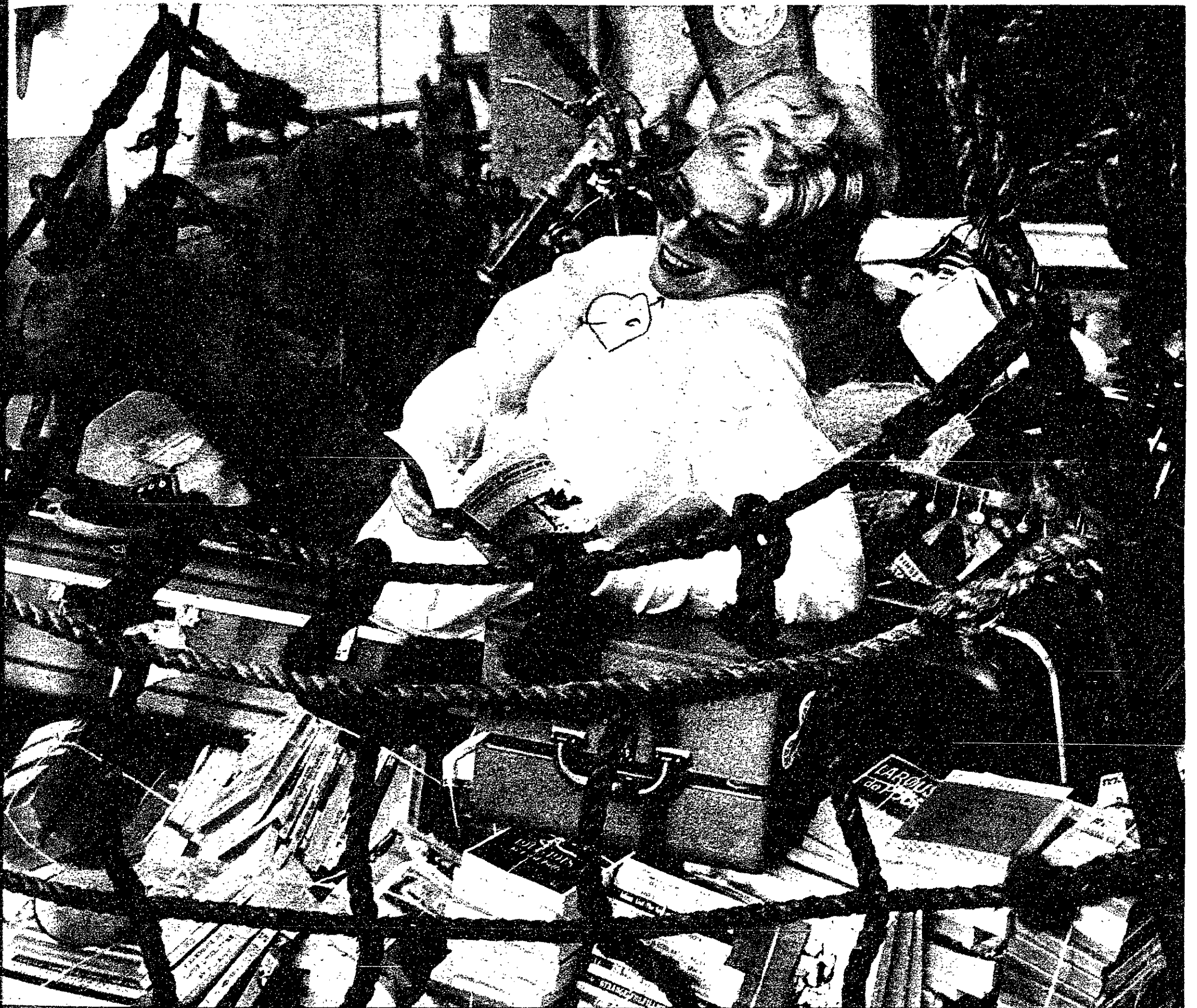


PHOTO COURTESY OF UNITED STATES AIR FORCE

Book: *THE WAYS AND MEANS OF WAR* • *THE PROPHET OR HISTORIAN?* • *MARX AND ENGELS IN BLUE AND GREY* • *THE HAUNTED HOUSES OF PUBLISHERS ROW* • *SHALL WE RECOGNIZE RED CHINA?* • *THE GLANCY BROTHERS AND TOMMY NAKEN* • *FOLKWAYS U.S.A.* • *TRAVEL SOLO TIGHT*

reflecting sunlight onto a wall, show an image of a design or inscription hidden in the polished surface.

Mr. Maryon will also explain the decorative technique used on Etruscan gold jewelry, known as "granulation," in which innumerable spheres of gold were invisibly soldered onto the surface in patterns designed to catch light.



Above: Parents get a slight taste of what we go through every registration day. 1400 parents of MIT students signed in for a weekend of touring and sightseeing of the campus. The Freshman Co-ordinating Committee of Institute Committee sponsored the event.

Right: As part of the Parents' Weekend schedule of lectures, Professor Harold E. Edgerton, of the Department of Electrical Engineering, demonstrates a sonar transducer on which he has been working recently.

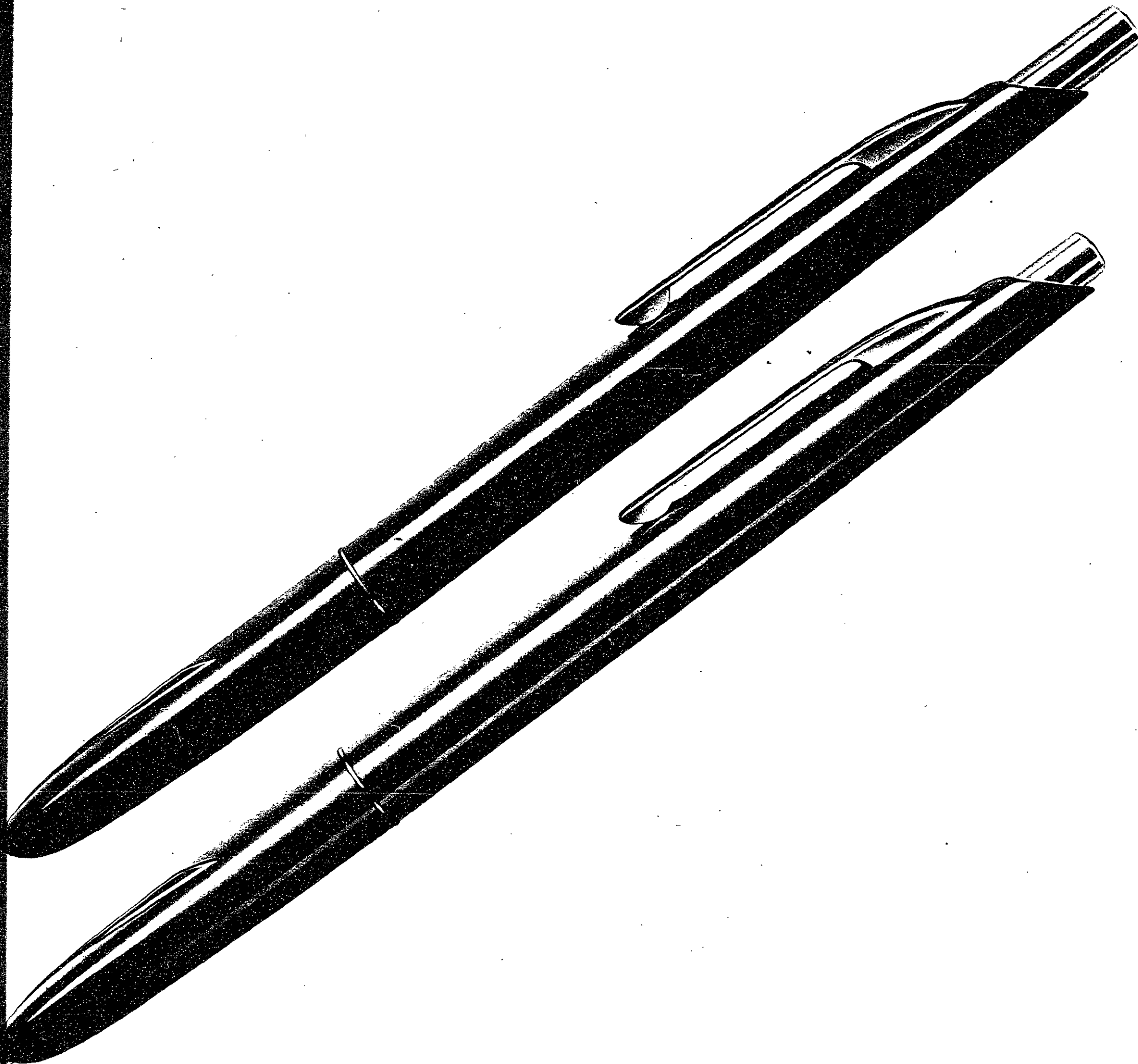
—Photos by Conrad Grundlehner



Harold E. Edgerton was economic adviser to the Government of Burma from 1951-53. He is the author of "On The Theory of Social Change: How Economic Growth Begins," to be published this month.

The third speaker will be Ruben Sternfeld, Director of the Office of Development Planning and Program of the Agency for International Development (AID).

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reflecting sunlight onto a wall,
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—Photos by Conrad Grundlehner



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Recognition of Red China?

by C. S. Jha India's Ambassador to the United Nations

RECOGNITION OF RED CHINA? Robert P. Newman
(Macmillan. \$1.95)

This book provides a refreshing change from the ready-made and *ex cathedra* opinions in the press and elsewhere on the subject of the recognition of 'Red China' and its representation in the United Nations. Mr. Newman has attempted a careful and judicious analysis of the pros and cons, and in his final chapter, come to the conclusion that "The United States should extend diplomatic recognition to the Communist Government of China with or without the guarantee of reciprocity, with or without agreement on Peking's part to renounce all claims to sovereignty over Taiwan. I see no other possible conclusion."

Few dispassionate and objective students of contemporary history will dispute the correctness of his conclusion.

Mr. Newman has adopted the rather unique method of converting himself into both an advocate for the prosecution and for the defense, and finally the judge between them. Emotionally and intellectually, this is not an easy task, but he seems to have accomplished it with fairness and courage. The fact that he has proceeded from a presumption in favor of non-recognition and placed the burden of proof on the advocates of recognition invests his conclusion with conviction.

The fact that Mr. Newman has had to write a dissertation of 288 pages, closely packed with facts, arguments, and counter-arguments, is evidence of the complexity with which the question of recognition of 'Red China' has been clothed in the United States.

Each passing year has added to the prevailing confusion and controversy, and has led to a hardening of attitudes. Today, those opposed to recognition appear so firmly entrenched that there seems less chance of a rational and unemotional approach to the question than ever before.

Mr. Newman's book brings out in clear relief the strength of the emotional and moral objections in the United States to the recognition of 'Communist China.' He has devoted considerable space to an examination of what he calls the concept of merit, or, in other words, "Does the Communist Government deserve recognition?" Throughout the book, he rightly displays disapproving awareness of the highly charged and emotional viewpoints prevailing in the United States, which boil down to the proposition that it is morally wrong to recognize 'Communist China'.

Mr. Newman urges that arguments based on the merit or morality of the People's Republic of China are not regarded by most political scientists as worthy of serious consideration. Most of the moralist arguments put forward do not stand scrutiny and the author has convincingly demolished them.

For example, he says at one place, "Americans are foolish in their concentration on Korea as proof positive of China's aggression since the record does not support such a charge. It is primarily on the Indian border that available evidence points to the aggressive nature of the People's Republic." At the same time he recognizes "Had Chiang developed the strength and efficiency achieved by the Communists and built a mainland regime as powerful as that built by his rivals, he too would have probed Chinese borders and looked longingly at the fertile and under-populated lands in the south."

Nevertheless, in his final tally, he says "the issue of merit, if it is accepted, is relevant to support continued recognition of the Nationalist and non-recognition of the Communist; but it cannot alone be decisive." In my view, any

present comparison between 'Red China' and the Nationalist regime is illogical and perhaps meaningless, since they are separate entities, representing different political values and realities. Cynically, one might say that the present Nationalist Government of China is toothless and incapable of doing much wrong.

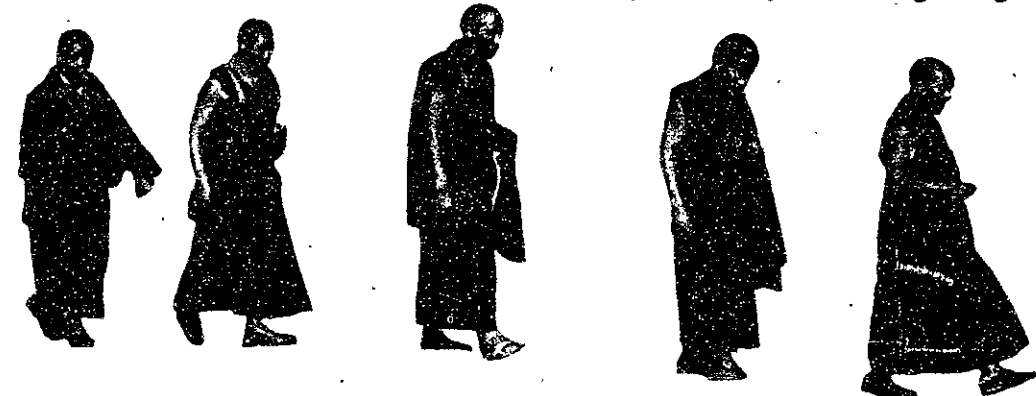
In actual practice, governments have a pragmatic approach to recognition, applying principles that were laid down for the United States by Jefferson, namely, that a *de facto* government of any country should be recognized, so long as it actually controls the country and sufficiently expresses the will of the nation to have reasonable prospects of permanency.

There was never any question of the People's Republic being the *de facto* government of the Chinese mainland since 1949, actually controlling the territory of China and having all the attributes of permanency. The emergence and increasing strength of that government is in fact the most eventful and fateful *fait accompli* of our generation. Public or parliamentary discussion on recognition of a new government is usually avoided since there is danger, as seems to have happened in the United States, of what is or ought to be essentially a sovereign executive act of an external nature being transformed into a plaything of domestic politics. As Mr. Newman points out, it would have been much easier (and indeed there seemed to be some possibility) for the United States to have recognized the People's Government of China prior to 1951. Thereafter, with the involvement of the Chinese question in the sphere of controversial domestic politics, the rise of McCarthyism and the Korean War, there came about a hardening of attitudes in the United States, and the possibility of recognizing the People's Republic of China became more and more remote.

Whether one approves of any particular aspect of Chinese international behavior or its internal organization, the impact of what has happened and what is happening in China is one that cannot be ignored by any single nation or by the international community. Mr. Newman mentions the importance of admitting China to the disarmament negotiations, the need for bringing China within the sphere of international relations and exerting upon her whatever powers of diplomacy are available, and the promotion of trade with China. I take issue with him in that I give greater weight to these arguments, and regard them as strongly favoring recognition. He regards them as only "moderately favoring" recognition.

On the contrary, in a world of interdependent nations and international cooperation, the importance of bringing the People's Government of China within the range of discussion, persuasion, argument and compromise, and into the mainstream of world trade and economy, cannot be over-estimated.

China may or may not prove too truculent in any future arms talks, but if disarmament is the problem of problems on which the survival of the human race depends, and if China must be a party to any effective disarmament scheme, then the recognition and admission of China as participant in disarmament negotiation cannot be a matter of secondary importance. Indeed, no disarmament treaty providing for global inspection and control can be effective without China's signature; and the chances of agreement by China to any treaty must necessarily be reduced if it is not associated in the negotiations from the very beginning.



As IM Squash Teams Enter Final Rounds

With better than half of the IM squash season completed, a number of teams have emerged as definite leaders. In a few weeks the top two squads from each of the three six-team leagues will compete in the finals.

Dekes, Baker Lead

In League I action, Delta Kappa Epsilon and Baker House have won every one of their respective matches (3-0) and are swamping all competition.

East Campus 'A' and Zeta Beta Tau seem to be emerging as League II leaders over the stubborn resistance of Alpha Epsilon Pi.

Due to a number of unreported scores, the standings in league III are uncertain. However, Theta Delta Chi, seasoned from last year's campaign should not have too much trouble in subduing competition.

for the victory by keeping Holy Cross scoreless in the last three minutes.

The game was by far the best offensive show of the year for Tech with Matson displaying his tremendous potential by blasting in six goals, Robinson scored two, while Prussing, Greg Brown, '62, Stu Solin, '64, and Don Yansen, '63, all contributed single tallies.

Engineers Fall To UNH

The tables were turned Saturday as UNH jumped off to a 3-0 lead at the half before the

League III		League IV		League V		League VI		League VII		League VIII	
EAST	W 3	GRAD	W 2	SAE	W 3	LGHDS	W 3	SAE	W 3	LGHDS	W 3
BURT B	1	KS	2	XP	1	ATO	2	XP	1	ATO	2
LXA	1	PKS	1	BAK D	1	PKS	1	BAK D	1	PKS	1
DKE	0	DTD	0	2PFE	1	2PFE	1	2PFE	1	2PFE	1
BAK A	0	TK	0	3TZ	0	3TZ	0	3TZ	0	3TZ	0

WEEKEND SOFTBALL SCORES

SAE 20, Baker 'D' 15	
SPE 9, Sen 'B' 1	
PGD 18, PMD 2	
KS 18, TX 3	
Sud 31, SX 2	
East C 14, Burt 'B' 0	
GHDS 17, PKS 11	
ATO 27, Baker 'C' 17	
SAM 16, PDT 10	
PLP 25, SPE 'B' 12	
ZBT 19, NRSA 6	

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Toynbee: Prophet rather than historian

J. H. Plumb



STUDY OF HISTORY (Vols. I-III) Arnold J. Toynbee. (Galaxy, \$2.75 ea.)

There is in the western world no historian whose name is more widely known than Arnold Toynbee's, and there is scarcely one professional historian, in Europe or America, who would accept either Toynbee's theories or his scholarship without considerable reserve. For many, including myself, his *A Study of History*, which is supposed to demonstrate the immutable laws of history, is as meaningless as the mumbo-jumbo of the alchemist.

Yet, some scholars pay lip-service to the impressive range of Toynbee's scholarship, which seems equally valid whether he is dealing with the Greeks or the Esquimos, the Egyptians or the Polynesians. There are philosophers who say that they enjoy the mental agility with which Toynbee sustains his complex argument that stretches over twelve volumes and covers millions of words: There are some critics who profess to see beauty in his style with its end-quotations from the classics and the Bible. There are even said to be one or two academics who actually believe that he has found the key to mankind's long and complex story.

The majority of historians, however, regard his book with contemptuous hostility.

His sales go on and on; his views are sought on every problem — past, present, and future; foundations send him careering round the world to inspect the rare societies on which he has hitherto remained from comment. He himself has courteously considered the criticism of his theories and rejected it in a volume that treats his theories with the respect that might be given to Einstein's.

Toynbee doubtless believes his work is here to stay. He has survived the savage attacks of the professional historians who have battered his public image but not destroyed it. His name carries authority and his theories convince millions of readers. Why?

To understand Toynbee's success, one must pin-point him in his class and generation. He belongs to the upper middle class English intellectual society which was bred to govern, preach, or inform at a time when the sun was setting rapidly on the British Empire. By birth and upbringing, therefore, Toynbee belonged to a country and a class that had lost, and was to go on losing, power. Although a Christian,

he had like so many scholars of his day a respect for science, particularly Darwinianism. His education, however, was entirely classical and humanist, and his belief in scientific method was as much an act of faith as his religion.

Naturally concepts of growth and decay and of the mutability of human destiny appealed to his imagination. Equally naturally, he was convinced of the superiority of spiritual experience to material well-being. (Once the latter is secure, preoccupation with it may be regarded as vulgar.) Toynbee came to judge civilizations according to the refinement and vigor of their religious experience rather than by their economic resilience or the stability of their social structures.

It was because the center of Toynbee's creed lies in his own peculiar interpretation of religion that he could dismiss the last four hundred years of the history of the western world as an uninterrupted disaster. Yet these are the centuries which saw the birth of science and industrial technology and their dissemination to the four quarters of the globe. This era witnessed the beginning of the end of poverty for the people of Europe and North America and the germination of a like hope in the rest of the world. Toynbee's panacea, however, is not more material progress but a fresh conversion to Christianity. Otherwise, he feels the disintegration of western civilization will end in total decay. And to bolster up that prophesy, for Toynbee is a prophet rather than historian, is the purpose of *A Study of History*.

This huge work deals, in what Toynbee believes to be an empirical method, with the nature of civilizations, the reasons for their birth, the conditions of their growth, the prerequisites of their success or failure. The first three volumes deal with the genesis of civilizations (twenty-one of them according to Toynbee) and they contain the famous thesis that all civilizations are a response to a challenge.

The factual range of these books, their wealth of quotation from ancient and classical literature and the high-pointing of the text with a plethora of biblical texts has been praised even by critics as ferocious as Professor Geyl. He, like many others, has expressed his admiration of Toynbee's intellectual agility.

He is too generous. The depth of Toynbee's scholarship is illusory. If one analyzes his references to the

Esquimos, or the Incas, or the Polynesians, one finds a very modest handful of books or papers, selected, one feels, almost by the chance of what happened to be present in the library in which Toynbee happened to be working. All scholars who have considered what Toynbee has to say on their own fields have remarked not only on the paucity of his sources, his ignorance of recent research and his factual inaccuracy, but also on his willful interpretation or suppression of evidence.

Few more subjective books have been written than this, and certainly none which made such a parade of being objective and scientific.

And yet, in spite of the professional hostility which these books have aroused, Toynbee goes on being read. The reasons for this are manifold, but one is of great significance.

The majority of his readers go to him because the professional historians have failed in their social purpose, which should be to explain to humanity the nature of its experiences from the beginning of time. Scarcely an historian of ability has attempted an outline of history that is meaningful to the world at large. Yet all people hunger to know where they stand in the complex and baffling history of man. At least Toynbee gives them answers; bogus and absurd they may be, but at least they attempt to explain.

The tragedy is that Toynbee belongs to a dangerous and dying section of western culture which has led him to ignore the one aspect of the human story which both makes sense of it and also gives ground for the hopes of men — that is, the material progress of mankind which has gone on from civilization to civilization, from society to society and from place to place, but so far has only paused and never ceased.

It is one of the ironies of history that the western world, which has made such great contributions to the happiness and well-being of millions of men, should treat material progress with such scant respect, should despise its historical prophet, Macaulay, and take such pessimistic and inaccurate historical illusionists, as Spengler and Toynbee, to its heart.

However, there is no better way of purging oneself of belief in Toynbee than by reading him.

"Few more subjective books have been written . . . and certainly none which made such a parade of being objective and scientific."

/5

reflecting sunlight onto a wall, show an image of a design or inscription hidden in the polished surface.

Mr. Maryon will also explain the decorative technique used on Etruscan gold jewelry, known as "granulation," in which innumerable spheres of gold were invisibly soldered onto the surface in patterns designed to catch light.



Above: Parents get a slight taste of what we go through every registration day. 1400 parents of MIT students signed in for a weekend of touring and sightseeing of the campus. The Freshman Co-ordinating Committee of Institute Committee sponsored the event.

Right: As part of the Parents' Weekend schedule of lectures, Professor Harold E. Edgerton, of the Department of Electrical Engineering, demonstrates a sonar transducer on which he has been working recently.

—Photos by Conrad Grundlehner

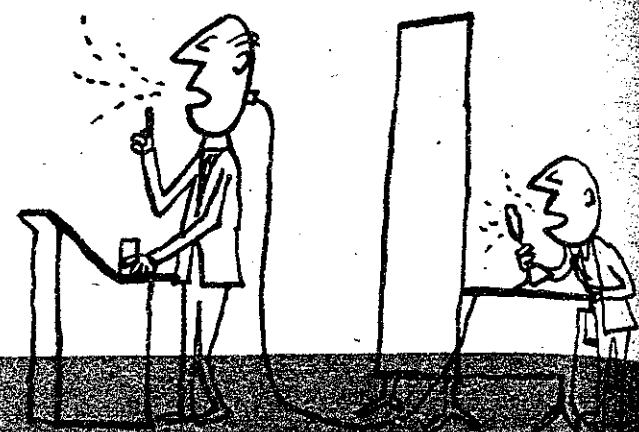


Robert E. Edgerton was economic adviser to the Government of Burma from 1951-53. He is the author of "On The Theory of Social Change: How Economic Growth Begins," to be published this month.

The third speaker will be Ruben Sternfeld, Director of the Office of Development Planning and Program of the Agency for International Development (AID).

Today's writing: Art or séance?

by Alan Levy



Last Election Eve — his first as a private citizen since 1946 — Richard M. Nixon was forced out of his rented home by flames that blazed through the Hollywood Hills. The former Vice-President of the United States climbed to his roof and fought the fire with a hose until firemen ordered him off. While the fire was still out of control, Nixon made one more dramatic gesture: he re-entered the house to retrieve the manuscript of the book he was writing, *Six Crises*.

Three-thousand miles to the east, the Publishers' Row reaction ranged from "A great publicity coup!" to an occasional "What's the matter? Didn't his ghost writer keep a copy?" But the usual cynicism surrounding the birth pangs of political memoirs had already been met frankly by Doubleday and Company. In its very first announcement of the book, Doubleday had said that Nixon would write it himself with the aid of a researcher and an interviewer. Nixon's adversary in the 1960 Presidential election, John Fitzgerald Kennedy, had weathered similar gossip. Soon after Kennedy's *Profiles in Courage* was published, a rumor had it that his aide, Theodore Sorensen, had written the entire book. (According to more reliable accounts, Sorensen and columnist Arthur Krock and others had provided Kennedy with research and advice while he was recuperating from major surgery, but the book was his.) When *Profiles in Courage* won the Pulitzer Prize, Drew Pearson repeated the ghostly rumor on a television program and Kennedy threatened to take action. Pearson pored over manuscripts and drafts — and then backed down.

Two of 1964's Republican Presidential contenders have also been haunted by allegations of ghosts in their closets. On July 3, 1961, Cabell Phillips of the *New York Times* said point-blank that Stephen C. Shadegg — a Phoenix business man, mystery writer and little-theatre impresario — was the real author of Senator Barry Goldwater's best-seller, *The Conscience of a Conservative*. Thirty-five days later, Shadegg penned a denial in which he told the *Times* that he was flattered "to be credited with the writing of such an excellent book," but he did not write it. And, in 1960, when Governor Nelson Rockefeller fired off a pre-convention blast at Nixon and the Eisenhower Administration, President Eisenhower remarked: "I see the fine hand of Emmet in this." He was referring to Emmet Hughes, who had written Eisenhower's speeches in the 1952 and 1956 campaigns. (Hughes was the author of Eisenhower's famous campaign promise: "I will go to Korea.") Eisenhower was right. In 1960, Hughes had become Rockefeller's "senior adviser on public policy and public relations."

In publishing circles, it is considered naive NOT to believe in ghosts. Three out of every four books of memoirs, autobiography or first-person adventure are written with the help of professional writers. A literary ghost has been described as "one who does literary work credited to another person" and "a midwife to the truth." He goes under many names and many titles — including, on occasion, "word mechanic," "literary liaison," "research associate,"

"information specialist," "administrative assistant," "secretary" and "investigator." Publicist Richard Maney "aided and abetted" Tallulah Bankhead's autobiography. *Wedemeyer Reports!* by General Albert C. Wedemeyer, was written by "editorial advisers" John Chamberlain and Freda Utley. In *Goodness Had Nothing To Do With It*, authoress Mae West thanked Stephen Longstreet for his "editorial assistance." While Harry S. Truman writes every word that appears under his name, it is no secret that a highly qualified professional writer flies from New York to Truman's side whenever the former President is ready to write a bylined article. Political commentator Dorothy Thompson once remarked that ghost-writing had become so common that "one can almost say our thoughts are guided by ghosts." Today, ghosting is considered a profession by some, an industry by others. It is certainly an ethical twilight zone whose geographic center is Washington, D.C. — America's leading ghost town. Washington's corps of ghosts has been described as an array of "boobs, geniuses, published novelists, part-time newsmen, magazine correspondents and some old poets." A full-time Congressional ghost can make \$50,000 a year if he builds up a good clientele of Northern liberals and Southern conservatives who will hurl his words at each other day after day.

Even when they are exposed, few ghosted "authors" have any apologies. "If I actually wrote everything that's put out under my name, I wouldn't have any time to perform my duties," said one legislator.

Ray Brennan — who "assisted" in the writing of *The Stolen Years* by Roger Touhy and *Chronicle of a Crime* by Eleanor Dabrohua — remarked that "[ghosting] is a form of art. There are many people who have excellent stories to tell, but lack the mechanical ability to put the stuff on paper, the know-how to establish a story line, the experience to establish continuity." Another prosperous ghost added: "A ghost writer serves as a screen. Sometimes, the 'author' is too close to the story he wants to tell. And almost always, two heads are better than one; in fact, they often produce a third dimension." Freelance writer Eugene D. Fleming once eulogized the ghost in *Cosmopolitan*: "At best, he performs a legitimate, valuable function. At worst, he tones down the rantings of celebrated egomaniacs for consumption by a loving public, or culls comments from mopes and turns them into bright bon mots."

One apologist for ghost writing made this analogy: "If a manufacturer is going to put out a product under his name, is it necessary that he invent, design and package it? Must he turn artist and copy writer to turn out the ads, the publicity and the promotional material? Hell, no!" But the analogy can be pursued in another direction: no Better Business Bureau would approve of a "hand-made" label on a machine-made product. How, then, can one approve of a falsely labeled book?

Ghostwriting has become such a symptom of our times that in the 1959 quiz-show scandals, one of the principal deceivers asked: "Is it any great shock to learn that important national figures generally hire

ghost writers to write their speeches, and in many instances even to write their books?"

*"Knowingly or unknowing
you are studying —
and perhaps
drawing inspiration from
ghosted documents"*

Here was an analogy that proved both logical and devastating. Ghostwriting appears harmless in individual doses. Cumulatively, however, its effect can be poisonous. Quiz fixing eventually reached a point where an attorney is alleged to have advised a defendant: "If you tell the truth and everybody else lies, then you'll be the one who commits perjury." Similarly, ghostwriting can be rationalized from "It's O.K. for the President to have speechwriters" and "I'd like to hear Rita Hayworth's story but I wouldn't expect her to be able to express it readably all by herself" to a moral climate in which fraud becomes the rule, not the exception. The cynical reactions to Richard Nixon's literary ventures are typical of today's outlook.

The prevalence of ghosts may no longer be shocking to those in the know, but it is distressing to many scholars and ordinary readers. "If I read statements made by Konrad Adenauer," one reader affirmed, "I think it's important that I know if they were written for him by an ex-Nazi." The historian once to know exactly how much of Henry L. Stimson's *On Active Service* was actually written by colleague president Kevin McCann. The late Senator Richard Neuberger, who was a professional writer himself, once said of President Eisenhower: "I fear that depends so totally on ghost writers that his high ideals cannot shine through as they should."

As Dr. Claude M. Fuess, headmaster emeritus of Andover, once pointed out: "Ghost writers can help being discreet and unadventurous. Aware of their responsibility, they have constantly on their minds the disasters that a few careless words can cause. Naturally, they tend to weaken adjectives, tone down extravagances. In pondering over every syllable, they dilute spontaneity." On the other hand, editor Janet Rosenberg pointed out that ghostwriting also creates a new area of irresponsibility. "If there is inaccuracy," she remarked, "the 'author' attributes it to the ghost, while the ghost won't because his name isn't on the book anyway."

Writing in *Commonweal*, John P. Sisk contended that ghostwriting possesses a built-in tendency toward inaccurate historymaking. The ghost, Sisk, "is often called in because someone who doesn't know all the truth of the matter thinks that he does and that he simply lacks the time or professional



In the twentieth century, President Calvin Coolidge was a man of few words—but those that he spoke were his own. The only notable exception came when he was called upon to dedicate Aeolian Hall for Boston music lovers. A member of the Boston Symphony Orchestra helped Coolidge prepare this specialized talk. Years later, however, when a collection of Coolidge's speeches was being compiled, he told his publisher: "That Aeolian Hall talk is pretty good, but it isn't mine. Keep it out!"

Franklin D. Roosevelt's "Brain Trust" included, at one time or another, some of modern history's most distinguished ghosts. Among those who drafted Roosevelt's speeches were Samuel I. Rosenman, Rexford G. Tugwell, Harry Hopkins, Raymond Moley, playwright Robert E. Sherwood, Stanley High, and Adolf A. Berle. While F.D.R. put the finishing touches on their product and often translated it into his own eloquent terms, the Brain Trusters take credit for such memorable Rooseveltian phrases as "rendezvous with destiny," "horse-and-buggy age" and "Martin, Barton and Fish." Thus, knowingly or unknowingly, today's college student is studying—and perhaps drawing inspiration from—ghosted documents.

Ghostwriting is by definition a cynical trade. One well-known writer ghosted a book and then wrote a laudatory preface for it under his own name. For Christmas, one embittered ghost sent his "author" an autographed copy of *their* book.

Literary ghosts are paid in various ways. Some get a flat fee that can amount to as much as \$30,000 for a summer's work. Some charge ten cents a word. Some get paid by the week—\$250 is a minimum; \$500 is more common. Other ghosts fight for shares of their books' royalties. The publisher of a relatively undistinguished comedian recently offered a ghost a \$5,000 advance plus a third of all royalties up to \$90,000.

Ghosting for inarticulate sports figures is one of the most lucrative tasks, but it must be done well. "The sports public is fairly sophisticated," a newspaper syndicate executive remarked. "It won't accept an article by a boxer that sounds professional or even literate—unless he's Archie Moore." Jack Dempsey once stopped at a newsstand and told a friend: "Wait till I pick up a paper and find out what I'm saying today." Sports writer Joe King has ghosted so many first-person accounts by World Series heroes that he has been nicknamed "The Prose of the Yankees."

The ultimate story about ghosting concerns Gerold Frank. An unknowing book-page editor once asked Frank to review a book that he had ghosted. Frank declined politely. The editor then offered the reviewing assignment to another man, who accepted, but then phoned Frank. "I'm too busy to write the review myself," the caller told Frank. "Could you do it for me?"

Frank recalls that "something snapped" and he said yes. He is thus enshrined in the *International Celebrity Register* as "the first author in history to ghost-write a ghost review of a ghosted book he had ghostwritten."



put it into words. What the skillful ghost es out of the fragments and a combination wn and his employer's interpretation is a o superior in its clarity to his employer's inarticulate picture that it immediately the truth for both of them."

writing today is an established American n like nepotism and advertising, it also has c past. George Washington's Farewell Ad- s ghosted by Alexander Hamilton, James and John Jay. The most generous historian t George Washington with no more than of his immortal speech. As an ex-President, adison is also known to have written Jackson's Nullification Proclamation. George a famous historian, wrote President An- nson's speeches. The Library of Congress the manuscript of a Johnson speech— tively in Bancroft's handwriting with a few crawled in by Johnson.

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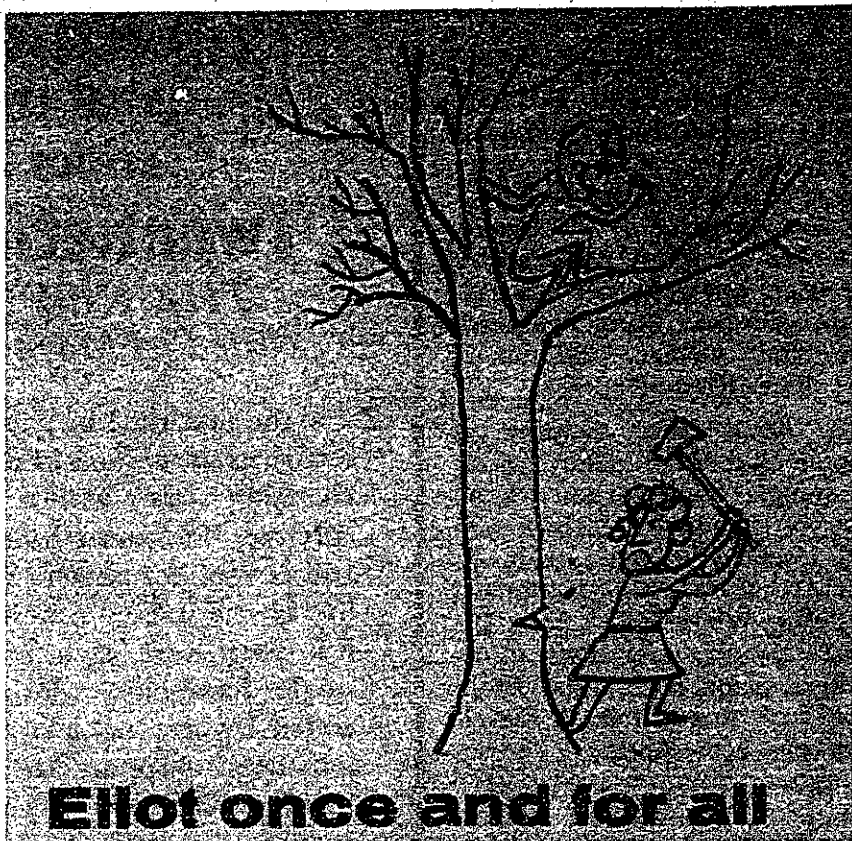
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Elliot once and for all

by Karl Shapiro

THE EMPEROR'S CLOTHES. Kathleen Nott. (Indiana University Press, \$1.75).

T. S. ELIOT: A COLLECTION OF CRITICAL ESSAYS. Hugh Kenner. (Spectrum, \$1.95).

The Emperor's Clothes is the most important book about Eliot yet written, and will probably remain so. (It is about Eliot, despite a few border campaigns against other literary-religious revivalists such as C. S. Lewis, Dorothy Sayers, Graham Greene, and T. E. Hulme.) It is the only book which pulls Eliot up by the roots and shows us what the reading public never sees: the medieval tangle of religious fanaticism, scholastic dogma, ruler-ship politics, and Culture. It is a cold and lethal document.

Hugh Kenner, on the other hand, has put together an Eliot prayerbook for the faithful. The nineteen oldish essays in the collection blend like a professional choir. Each essayist, of course, occupies his little niche in the cathedral porch, though one or two (S. Musgrove and Donald Davie) are apt to behave like little devils, even in the presence of the Master. Reading the two books together, one sees all over again the frightening abyss between natural or humanistic art and High Art, between science and religion, democracy and totalitarianism, logic and mysticism, freedom and authority.

Kathleen Nott, in attacking dogma itself, fells Eliot like a tree:

All dogma, in fact, including, and especially the dogma of Original Sin, divorces us from real and natural morality, which can only be taught us by personal and individual love, generally experienced early and unconsciously. If we cannot learn our morality from that reality, we shall learn it from another: hate.

To Eliot and his followers Christianity has meant the religion of Sin, not the religion of Love. In consequence, his life-long literary endeavor has been to acculturate modern man to his conception of religion and its wide range of fears and hates.

Henry Miller speaks of "the scholar's hatred for humanity" — a necessary exaggeration. Eliot's devotees are scholars in this sense, the deadwood of society trying by every method, no matter how septic or antiquated, to preserve their cultural power under the sanctions of religious dogma. Hugh Kenner actually quotes this in his introduction: "Deadness," wrote Wyndham Lewis in 1914 in a book Eliot admired, "is the first condition of art . . ."

Let me briefly annotate some of the essays in the Kenner book:

Arthur Mizener: unadulterated adulation of the method by which Eliot transmuted his "personal and private agonies" into the impersonal.

Wyndham Lewis: slightly amusing anecdotes.

Elizabeth Sewell: the only penetrating essay in the book, although it piously avoids its implications. Miss Sewell describes Eliot as a Nonsense writer like Lewis Carroll, in this way explaining Eliot's asceticism, infertility, and addiction to parody.

S. Musgrove: one of the best detectives in the book; he unearths surprising similarities between Eliot and Tennyson's!

G. L. K. Morris: a gentlemanly exposé of the method in *The Waste Land*, not mentioned in Eliot's "Notes."

F. R. Leavis: a treacherous explication of *The Waste Land*.

Allen Tate: a desperate attempt to isolate the poet (Ash Wednesday in this case) from its own ideological psychological device, an invention of Eliot's, leaves him to engage in culture politics without assuming any responsibility for his actions. The poet is "pure."

R. P. Blackmur: further apologetics by way of explanation of the key terms in Eliot's criticism.

Ezra Pound: a self-congratulatory toast to Eliot.

Hugh Kenner: Mr. Kenner has a way of assenting to the more vicious forms of Eliotic behavior. "Miss Alice, whose responsibility it was to develop for the first time of Mrs. Guzzard in *The Confidential Clerk*, has no producer's concern to admonish the cast, before a rehearsal which the author was to be present, that they would account to ask the author about the meaning of anything."

Donald Davie: he indicts "The Dry Salvages" for its writing as a way of proving that the "incompetence to be dazzling virtuosity"! — Kathleen Nott is mentioned as a "secular liberal."

The opposite of *secular* is *theological*, and Miss Nott goes through the theological wastes to the point at which he enters into mystical belief where, of course, no one can challenge in every detail his version of the "dissociation of sensibility" as a split between thought and feeling and, more, the split between science and theology. She denies the existence of Two Truths, one truth for science and one for religion. She relates Eliot's "Classicism" to ethics and to revive and expand the "monastic teaching orders." Comments on his negative attitude toward women and his attitude toward the poor.

She takes his disciples to task for furthering anti-human literary criticism and esthetics, and flirting with the more vicious forms of authoritarianism in the social order. She attacks the neo-scholastic hatred of the Renaissance and of Romanticism. She convicts Eliot and his set of failure to understand the method and its deep influence on European culture.

In short, she leaves no stone unturned. Her writing is incisive, and at times ringing. The poetry she leaves behind is a kind of humor that survives only in England, she says, poetry to the skies when it is mentioned, leaving the poet seated on his throne, the legs of which have been sawed off once and for all.

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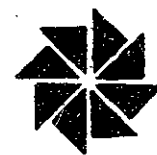
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Successors to Shakespeare . . . Impostors

William F. Rothwell, Jr.

theatre today, from Broadway to Off-Broadway, in London, Paris, all over the western world and behind the Iron Curtain, Beckett and Genet are names to be conjured with. They have their detractors—violent, scathing in their denunciations; have their partisans—equally violent, scathing in their defenses of the detractors. Beckett and Genet: poets of the sordid, or impostors? Writers of sordid, revolting, confusing nonsensical trash, or playwrights who may take their place with the great dramatists of the past?

Over judgment our descendants may give, one cannot deny the importance of these two men in the theatre today. Beckett's play, *Waiting for Godot*, has been translated into twenty languages since its first production in 1953; Genet has been the subject of a critical biography by no less a man than Jean-Paul Sartre. And, as is to be expected, emulation and imitation follow the wake of success, and erudite and non-erudite criticisms pour forth in the press. Obviously the work of Beckett and Genet deserves a hearing, as well as a seeing and a participation.

There is no doubt that, to the uninitiated, the work of Beckett and Genet will come as something of a shock. Those of us who are familiar with theatre have been taught to expect certain things of it and from it. We are accustomed, from the stage as from the movies and television, to a tradition of what we call realism. We expect to see reflected on the stage characters who are "real," whose psychological motivations, behavior and speech are what we think of as "real" or "true;" we expect a situation and a setting that are "real;" we expect, in a play of convention, such things as a plot in which conflict is central; and we look for, in serious plays, an exposition of an issue, a theme, involving a problem, and a solution or partial solution to that problem, just as we also look for an examination, in tragedy or comedy, of the human condition. We may expect all of these things; we expect to find at least some of

them in Beckett and Genet we find ourselves, if conventional at sea. What, for instance, are we to make of *Waiting for Godot*, in which nothing seems to happen, in which there is no plot, in which rather "unreal" characters, with "unreal" names, are placed in "unreal" situations, in which no problem is to be stated and consequently no solution is given, in which, at last, the play seems to end as it began?

Are we to make of *Endgame*, in which we find two characters without legs existing in ashbins, or of *Happy Days*, in which the central figure is buried to the chest in Act I and to the neck in Act II? What, in turn, are we to think of *The Maids*, in which the major characters, Solange and Claire, are mirrors of each other and are involved in a complex love-hate situation with themselves and with their mistress, or of *The Balcony*, in which illusion and reality are perhaps one and the same thing or two of each other?

How shall we criticize the language, sometimes nonsensical, sometimes seemingly flat, abrupt, jerky, inadequate, so much so that Beckett often resorts to movement to express what words themselves cannot express? And what about the four-letter words, the general "sordid" atmosphere that seems to envelop the plays, the seemingly barren settings of *Endgame* and *Happy Days* or, on the other hand, the gorgeous brothel evoked by Genet in *The Balcony*? And as for characterization . . .

But if we judge these plays by conventional standards we are confused and irritated; we must, therefore, look further afield, and proceed to the premise upon which the plays are constructed.

The premise deals with the predicament of contemporary man: man in a universe where nothing is certain, man in a world without meaning. Man has lost his bearings, his purpose, his God. In such a world, man is alone; the old standards no longer serve him, the old answers no longer suffice; what seemed reality now seems illusion and man is left in a state of anxiety and despair. It is just this predicament that Beckett and Genet are exploring; consequently, the familiar "real" world of the stage, as we have known it, no longer is of use, in the same way that the familiar world of certainty, of answers to our problems, no longer exists.

The plays, then, are no longer clear-cut expositions of an idea through psychologically-motivated characters, making use of a conventional and "real" language, which has lost much of its former meaning in today's world; the plays do not posit a problem and then provide a solution, because there is none; they rather ask us, through their presentation of the human predicament of all men, to examine ourselves, to become aware of ourselves and our condition, to ask, ask, ask and, finally, to face our own reality.

And so, if we accept the premise upon which the plays are founded, we have a chance of understanding and perhaps of appreciating and valuing the plays of Beckett and Genet, as well as those of other playwrights working in the same vein. Not that Beckett and Genet are alike—a reading of or participation in the plays will at once disclose differences. Nevertheless both writers deal with the complexities of life in a way that sometimes defies exact analysis; it is often difficult to pin down the precise meaning of the play. But this is where the spectator comes into his own; he is literally forced to take part in the poet's experience: to work and to use to the fullest whatever creative powers, intellectual, emotional, or spiritual he possesses; and he may find, to his surprise, that he possesses more than he had surmised.

The question remains, of course, of how valid is the premise upon which these and so many of our so-called *avant-garde* plays are based. How true is it? Is the world we live in one without meaning, or is this idea only a personal view of the writer's, which he is trying to impose upon all of us? Is man really unable to find answers to the questions he asks? Is the human condition, which is the exploration ground of all great artists, as senseless as it seems? Are the people of Beckett's and Genet's plays, who stand for and are *man*, touched with any of that divinity, magnificence, or nobility which we look for and sometimes find in people?

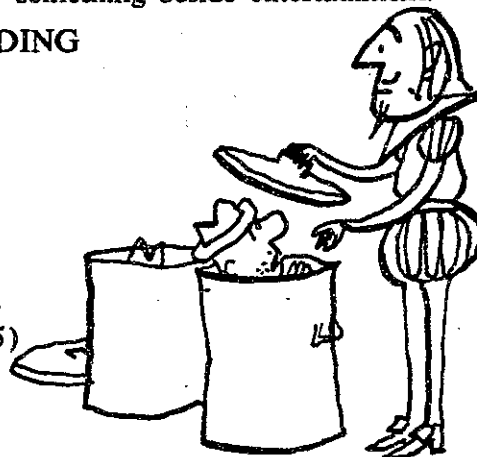
Whether one says "yes" or "no" to these questions, whether one denies or affirms the truth of the basic premise, one must, I think, acknowledge the excitement and provocation which the plays of Beckett and Genet have brought to the theatre and to all of us who look to it for something beside entertainment.

RECOMMENDED READING ON BECKETT AND GENET

By Samuel Beckett,
all in Evergreen Books:
ENDGAME. (\$1.25)
HAPPY DAYS. (\$1.45)
KRAPP'S LAST TAPE. (\$1.95)
WAITING FOR GODOT. (\$1.45)

By Jean Genet,
all in Evergreen Books:
THE BALCONY. (\$1.95)
THE BLACKS: A CLOWN SHOW. Tr. by Bernard Frechtman. (\$1.75)
THE MAIDS AND DEATHWATCH. Tr. by Bernard Frechtman. (\$1.95)

Books about Beckett and Genet:
MODERN FRENCH THEATRE FROM GIRADOUX TO BECKETT. Jacques Guicharnaud. (Yale, \$1.45)
THE THEATRE OF THE ABSURD. Martin Esslin. (Anchor, \$1.45)





There is a Tavern in the Town, and there the Clancys did sit down. The rest—praise be—is recorded history. Three sons of a pub-keeping family from Eire, and a teetotalling ex-crooner from County Armagh in the North of Ireland, have combined to create a vivid extension of the Irish Renaissance, and they'd just as soon you came along for the ride. It's entirely possible that they'll convert the entire world to their cheerfully irresistible brand of chauvinism, excepting perhaps the English, whom they gleefully lambast at the slightest provocation . . . or none. It is, after all, their national privilege.

For a fact, Paddy Clancy was a practicing member of the IRA (the Irish guerilla militia that has vowed not to rest until all of Ireland is joined together again) who traded his trench coat for a suit of RAF blue during World War II, because he believed that Hitler was somewhat worse than the Sassenachs. Coming to New York after the war, he joined his brother Tom, a well established actor hereabouts, and while trying his own hand at the acting trade, Pat founded and still heads Tradition Records. A seemingly quiet man—soft spoken—with the reserve and special courtesy that mark an aristocratic spirit, there is yet a tension to the man, and a flash of the wild in the sudden spark of his eye, that speaks of fires barely

banked within. His version of the gallows valedictory of one Samuel Hall, which you will probably never hear on record, is an overwhelming portrayal of sheer malevolence that comes as a shock to audiences who suddenly realize this charming good fellow is a man who cannot lightly be measured.

None of them can, and that is part of their fascination. You must accept them as human beings first and last, and not as mere performers to be enjoyed, applauded and dismissed. Tom Clancy parlays a rousing baritone from a manly chest, with a face that is the original map of his homeland. He specializes in leading the way on the stir-em-up numbers, yet he can be very moving in simple lament for the myriad of Ireland's shattered causes.

I've said elsewhere that Liam looks like the handsome, smiling devil of a lad who usually dies gallantly and beautifully in the next-to-last reel of the derring-do film, and whose proud and smiling face is superimposed on the clouds, as his pals in the regiment, to the tune of Garry Owen, march splendidly off the screen to Glory. His voice can caress like the lazy humming of a bee in the next garden . . . but he can sting like a bee, as well, when he turns to consider the iniquities of Albion.

The singer of them all, however, is Tommy Makem who has the face of a Leprechaun to top his six feet of ordinary mortality. Even when he sings softly, his sonorous bass-baritone can shake the chair on which you sit, as well as the pit of your stomach, and he brings an actor's truth to every song, a projection of reality that is larger than life, yet pulses with it.

They are something apart, when it comes to the sharing aspect of song. Only Pete Seeger has an equivalent magic for getting a room full of strangers to roar out songs they'd never heard before.

Today, the Clancys and the Makem are the living proof that you don't have to dirty your art in order to become professional and successful. At the present time they've become popular in some of the first rank night clubs in the country, as well as in the Folk Music rooms. They sing the same songs that they sang in the White Horse, with the same feeling and conviction, but a year of appearing before audiences of every kind has sharpened their presentation, and improved their singing to the point where they have become my favorite act, not only in the Folk World, but in all the worlds of entertainment.

Their development can be fascinatingly traced on Tradition recordings. Start with *The Lark in the Morning* in which both Liam and Tommy Makem can be heard before they left Ireland, along with Tommy's mother who, like the Clancy's mother, is a treasure trove of the old songs and the main source of the boys' repertoire. Then hear *The Rising of the Moon*, revolutionary songs recorded in the early White Horse days, followed by *Come Fill Your Glass with Us*, from the same milieu, and then to Tommy Makem's solo record, and a group effort that just bears their names on the label, and reflects their development after months of singing to Folkniks in coffee shops in New York. Then get their magnum opus to date, a record that was made by Columbia in its New York studios with some two hundred of the Clancy faithful in riotous attendance. My friends tell me that there was a three-hour bash around the Jereboams of Paddy's Irish Whiskey before a note was put on tape, and my heart is still sore that a mere 3,000 miles separation made me miss the fun. I've got the record that came out of it, and most of the fun is there. Better still, Columbia tells me there's another one on its way. Sleante!

The plow and the harp

by Skip Weshner, Jr.



This is an effort to separate the Significant (often hard to find) from the Inconsequential (usually available instantly) in terms of the music that is the most direct expression of the way people really think, feel and are. There are essences of culture and individual truth that words cannot convey, but which flourish in the yeasty soil of spontaneous song, and can be shared by the perceptive.

Consider the special magic of the Gaelic: from Ireland comes the voice and harp of Mary O'Hara, more pure than the water of any brook, but with a brisk and brave spirit, and a grave and deep knowledge of her own and her music's dignity. Her best record is on a Tradition label, and is one of the most played and best loved of my own collection.

For those who like their Scots both ethnic and memorable, don't miss the craggy art of Ewen MacColl by himself, or with A. L. Lloyd, or with the prettiest member of the ubiquitous Seeger family, Miss Peggy. MacColl is a universal genius type whose uncompromising attack on Man's inhumanity to other men is enhanced by his ability to make the Scottish muse come alive. He sings the songs of Robert Burns as if Rabelaisian Robbie himself were the singer. (Folkways, Riverside, Tradition, Vanguard Newport Festival 1960.)

The Anglo-Saxon and Celtic traditions endured a sea-change on their way to this land, and survived in modified form in our own Appalachian hills, as well as in the enclaves of Nova Scotia and Newfoundland. The entirely authentic Jean Ritchie (Elektra, Westminster, Folkways, and a fine song swapping field trip in Ireland, on Tradition), the messrs. Ed McCurdy and Oscar Brand (each on Elektra, Riverside, Prestige, Folkways, you-name-it), Richard Dyer-Bennet (on his own label), John Jacob Niles (Tradition), Andrew Rowan Summers (Folkways), Paul Clayton (Folkways) and the incredible Pete Seeger have enriched the catalogues with the songs of this tradition.

The darling of the current crop is most certainly Joan Baez, whose first two magical LP's for Vanguard ran away with the popularity polls in the folk field, with good reason. Perhaps the most versatile of all the American distaff folk singers is Jo March, whose recordings for Kapp are only a slight indication of her remarkable ability to sing almost everything, in every style of our folk, jazz and pop, as well as anyone alive. More of her records should be forthcoming, soon.

Pete Seeger is a man who believes all men are his brothers, and all songs belong to all men. And Pete practices his preachments musically as well as offstage. The Folkways catalogue is full of his gospel, and its sheer variety would be staggering, even if the quality were not so high. Surely if any talent can be singled out as great in our folk world, Pete's must lead all the rest.

Don't neglect Burl Ives. His earliest recordings remain my favorites. Here is the most complete synthesis of the new and old world traditions in balladry. His singing has been the door through which most of the pre-Kingston Trio folk fans entered into this field, and his latter-day success as an actor should never obscure his real place as a singer. Decca has most of his efforts, but there are some irreplaceable things on his early Columbia discs, as well as on his first album (Blue Tail Fly, etc., on Stenson).

At this point I would strongly suggest you expose yourself to three giants of yesterday whose influence on other singers is permanent, and grows. Folkways has the most and the best of Woody Guthrie, the 20th Century Villon, and of Leadbelly, the elemental proponent of blues and work and chain gang songs and of happy songs for kids, out of the core of the Negro experience. Brownie McGhee and Sonny Terry on a batch of labels continue this fundamental expression, as well as the addition of Big Bill Broonzy, whose name understates his size as an interpreter of this country's brand of Weltschmerz (Columbia, Mercury, Verve, Folkways).

The chief exponents of the Guthrie mystique have been Jack Elliott, who shows a fair sampling of Woody's songs on Presage (better on some EMI releases made in England), and the late Cisco Houston, Woody's long-time partner. Cisco has been caught, in all his honesty and warmth, by Vanguard on a series of recent recordings, including an imminent release of a session at New York's Folk City.

The Weavers, of course, are the most beloved group of all. They, too, range the world of song, with a strong down-home bias, and whether the group is the original, with Pete Seeger, the current one, with his replacement, Erik Darling, the style persists, featuring the rich hurrah of folk music's most stirring female voice, Ronnie Gilbert, as well as the aseptic criticism of folkdom's first accompanist and arranger, Fred Hellerman, and the profound bass and gentle satire of ex-teacher Lee Hays.

"the swingiest"

Erik Darling has one of those tremendous talents which is unclassifiable. Possessed of a high and angular sound, he makes a searchingly honest approach transform the most trite material into something wholly new and individual. His instrumental accompaniments bear as much weight as his vocals, and can be heard to best advantage on his superb new Vanguard recording, *True Religion*.

Erik's professional apprenticeship was spent with the Tarriers, respected by their peers as the hardest-swinging solid-singing bunch around. The original group can be heard on Glory records from their "Banana Boat Song" days (check their version of "Tom Dooley" on the same album, which preceded the Kingston Trio version by a few years). They were Erik Darling, Alan Arkin and the only surviving member, handsome Bob Cary. Alan was replaced by Clarence Cooper—a great singer—potentially, perhaps, the greatest of all in the American tradition. His ability to infuse truth and feeling into ballads, blues and spirituals lifts the Tarriers into an unapproached realm of artistry. Some idea of their second metamorphosis can be heard on United Artists' *Hard Travelin'*.

A highly quizzical eye is cocked at life at large, and the inevitable pretensions of Folk Song, by two delightfully civilized human beings, Gene and Francesca. Husband and wife, a rare beauty and a man of accomplishments (playwright, songsmith, parodist, architect and professor thereof at Columbia University), they bring a smiling, urbane asperity to the foibles of us all, and their own special lilt to the prettier songs of a bunch of cultures. (Elektra)

"the solidest"

Gene Raskin's special material is part of the armament of the Limelites, currently the number one draw in the commercial folk field. This group has the richest combined sound of any trio short of the operatic stage, getting its main coloration from the golden throat of tenor Glenn Yarbrough.

This chubbily handsome nature boy has the reputation of possessing the most beautiful male voice of all the folk, but (with the exception of an hour of live singing on my program a few years back) the sheer virile loveliness of his singing at parties or in coffee-shops (for the heck of it) has never been captured on record. Limeliter Alex Hassilev was an aspiring actor, who combines an emigre Russian heritage from his musical family (not speaking the language, he used to do a stirring "Two Guitars" in double-talk Russky, which absolutely scandalized his mother when she first heard him do it in a club) with a love for the Flamenco guitar and everybody's folk song. Alex brought these to the Limelite, a night club in Aspen, Colorado, which was being run at the time by Glenn. Then they got together with Lou Gottlieb, a Doctor of Music (University of California) whose mock professional style of introductory humor was a mainstay of the original Gateway Singers. This proved to be a highly entertaining combination, irresistible to those who prefer their folk music in a solidly professional package, and who don't insist on a maximum of conviction. Their sound, however, is worth the price of admission, anytime. (Victor, Elektra)

Bud and Travis, who sing together no more, are another pair who combined solid musicianship in a neat and very funny act. (Liberty. Best disc: *B & T in Concert*.) Travis Edmonson's voice and hip-shooting wit were also a feature of the Gateway Singers. Teamed with Bud Dashiell (now with the Kinsmen on Warner Brothers records) who also discovered he could be as outrageously funny on stage as he could be around a table with friends, these two created their brand of satirical non-sequiturs, also widely copied, with generally unfortunate results.

The Frank Sinatra of the folk world is Bob Gibson, the darling of the Gate of Horn in Chicago, of Aspen and, with his All-American boyish good looks and the devilish twinkle in his eye, the darling of susceptible females anywhere. This is another husky throat, whose deceptive simplicity has a foundation of musicianship behind every note. He has been tremendously influential on those other singers who recognize the complete organization behind his seemingly casual gallantry.

Therein lies the true measure of this part of our recorded Cook's tour, and of the phonograph itself. You can have any of these artists for company, at any time; and you don't have to wonder when they're going to ask for their hats, when the hour grows late, or your mood changes. Furthermore you get the best of these people, and the truth of them, at the drop of a needle, and Genghis Khan could not have commanded as much.

A further article by Skip Weshner covering other parts of the folk world will appear in a subsequent issue.



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Briefly Noted

POETRY AND FICTION NEW AND FORTHCOMING

THE QUIXOTE ANTHOLOGY (Grosset's Universal Lib., \$2.45) is interesting and amusing reading for anyone who has ever wanted to start a 'little magazine' (and this must include nearly everybody). Edited by a group of Americans living in Europe, *Quixote* flourished from 1954 to 1960, when, as all such magazines must, it faded away. This anthology of the best *Quixote* stories is interspersed with accounts of how the magazine was edited and produced. Aspiring writers will learn to their amusement or despair what happens to manuscripts before they return with a rejection slip. * * * Graham Greene's most recent novel, A BURNT-OUT CASE, is now paperback (Bantam, 60c). Greene's recently published journals, written in a Congolese leper colony where he was gathering material for this book, show how the novel's plan slowly formed in his mind. * * * Three books by younger writers are in the Scribner's First Edition series for April. Donald Windham's stories are gathered in THE WARM COUNTRY (\$1.65). Windham's reminiscences of his Georgian boyhood have appeared at intervals in the *New Yorker*. Robert Creeley's poems are collected in FOR LOVE: POEMS 1950-1960. Some of Creeley's stories appeared in *Short Story 3*. Michael Rumaker's stories have been in *Evergreen Review*. His new book, THE BUTTERFLY (\$1.65), is novel length, but he calls it "A Story in Nine Parts."

If she didn't live in South Africa, everyone would know about Nadine Gordimer. Quite a few people do anyway. The first paperback edition of her powerful and sensitive stories appears in April: THE SOFT VOICE OF THE SERPENT (Viking, \$1.45). * * * Alan Sillitoe has a new paperback, THE GENERAL (Signet, 50c), about a general who is ordered to shoot an entire symphony orchestra, captured accidentally in a total war. * * * NEW POETS OF ENGLAND AND AMERICA: A SECOND SELECTION (to be published in May) is the namesake and successor to *New Poets of England and America* (1957). Two of the original three editors (Donald Hall and Robert Pack) are still in charge. The new selection has all new poems from the first—and many new poets too. The editors of *New Poets* do not subscribe to what Dudley Fitts calls the Orphic Fallacy: i.e., "anything goes, if it is 'felt' and 'true,' one has only to utter it, and there is a poem." Protagonists of *New Poets* say this is the assumption of the 'rival' book, *New American Poetry*, 1945-60, edited by Donald Allen (Evergreen, \$2.95).

THE DIAL ANNUAL OF FICTION, out in March, has pieces by Warren Miller and James Baldwin (Apollo, \$1.45). James Baldwin's GIOVANNI'S ROOM (\$1.75) about a young American in France involved with both a woman and a man is also an Apollo paperback. * * * The stories in Peter Taylor's HAPPY FAMILIES ARE ALL ALIKE (J. B. Lippincott, \$1.95) have appeared in the *New Yorker*, the *Kenyon Review*, and other magazines. * * * The phenomenal best-seller, TO KILL A MOCKINGBIRD, by Harper Lee, becomes available in paperback this month (Popular Lib., 60c). * * * EXECUTION (Crest, 50c) a war novel by Canadian writer Colin McDougall, won the Governor-General's Award for Fiction (on a par with our Pulitzer Prize) in his own country, and has been compared by critics here to *The Naked and the Dead*, *The Young Lions*, *A Farewell to Arms*, and *From Here to Eternity*. * * * New in the Scribner Library: Hemingway's GREEN HILLS OF AFRICA (\$1.45) and IN OUR TIME (\$1.25) an early collection of stories; also C. P. Snow's tale of intrigue in the academic world, THE AFFAIR (\$1.65). Why do books in this excellent series—with good paper and readable, well-spaced type—have such dreary covers?

The latest in the Yale Series of Younger Poets is VIEW OF JEOPARDY (\$1.25) by Jack Gilbert. This is the series in which George Starbuck's *Bone Thoughts* and Alan Dugan's *Poems* have been the most recent precursors. The Yale Series of Younger Poets is open to promising poets under forty—very promising—who have not previously had published a book of verse. Read some of these volumes and then submit a manuscript to Yale University Press—if you dare. —Alison Knox

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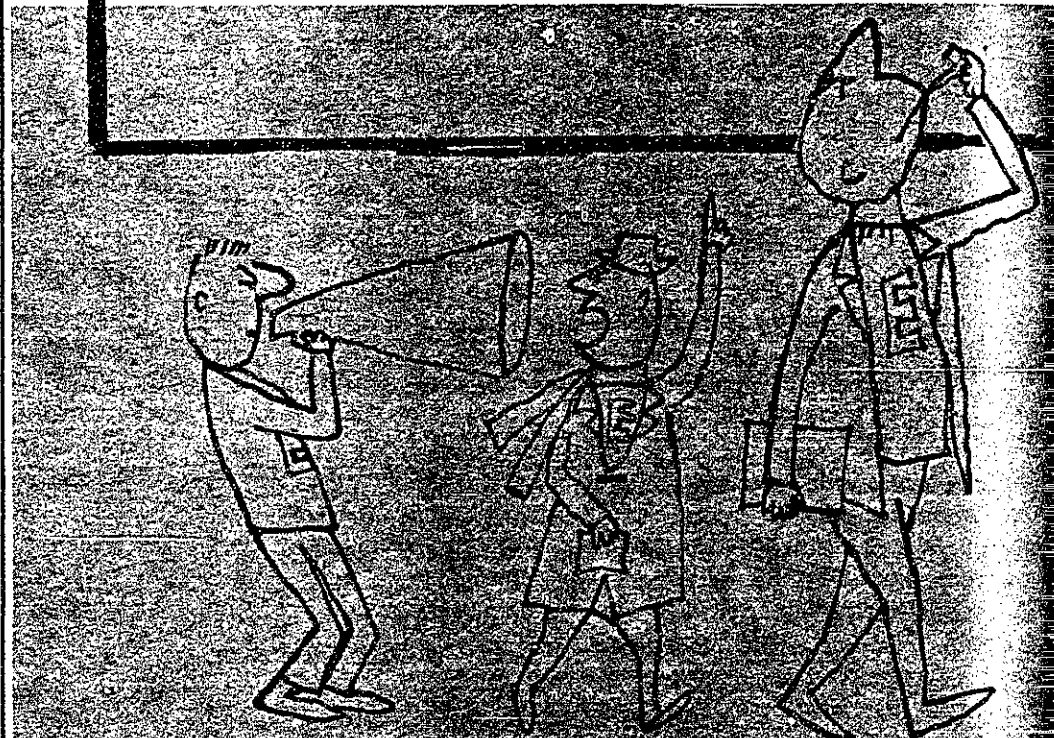
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AVOIDING THE SHEEPISH FEELING

by Hermione Onthegoe

you don't want to do the Peace Corps bit, but are just thinking about an old-fashioned trip to Europe, watch out! You don't find yourself among those pathetic groups of Americans that are the sorriest sight in Europe every summer. Sun-glassed, camera-hung, glassy-eyed, perspiring in their nylon shirts, they are led round cathedrals and museums by a guide who likely as not is chanting off what he hurriedly read in the guide book the night before. You don't get sucked into a See-Europe-in-Six-Weeks tour, whether arranged by somebody else, or planned by yourself. You want to see Europe from the inside of an air-conditioned bus, madly dashing from one 'sight' to another, stay home and look at the picture books. One or two countries is the most you should attempt in six or eight weeks. If you begin the right way, by really getting to know one place or country well, you will forever despise those who "do" Europe—and rightly so.

If you've two years of a European language, and really want to know the people of a particular country, write to the EXPERIMENT IN INTERNATIONAL LIVING in Putney, Vermont. The Experiment sends groups of American students to live with families in Europe (and not just Europe) for the summer. Ten or twelve students go to one country, each living with a different family, where he or she will have a 'brother' or 'sister' about his age. That first night you find yourself sitting at the dinner table with (say) a French family who speak no English (and whose younger children, even, speak French amazingly well! like a machine gun, in fact) you may curse the times you can't do your homework. But at the end of two months, you may even be thinking in French, and the first time you do that is an exhilarating experience comparable only to falling in love.

Another good way to stay put and see Europe is to enroll in one of the summer courses for foreign students at a European University. Sometimes you can get credit for these courses at home, but if so, you will certainly have to work. Other courses on European civilization or art are for your own interest and good, but in the meanwhile you will have lived in a famous and ancient university town, perhaps Oxford, or Lausanne, or Perugia, and come to know your way around there. Write to the INSTITUTE OF INTERNATIONAL EDUCATION, 800 Second Avenue, New York, and tell them what country you are interested in.

If you are just travelling around a country, avoid tourist tours like the plague. Take the local buses (in Switzerland, those yellow postal buses that somehow manage not to go off precipitous curves) or trains. Trains are cheap, and in most countries you can buy a pass for unlimited travel within a certain period. (Write to the National Tourist Offices of the various countries in New York for information). Trains in Europe are heavenly places. You sit in compartments for eight people, on two facing benches, which is a much more companionable system than ours. It is the time to try out your foreign language—to find out what people there are like, what they think about us, and themselves.

When travelling in a European country, go with a couple of friends. Nobody is going to talk to you if you are in a group of ten or twenty Americans, addressing each other in some loud gibberish. You are only going to get curious, resentful stares if you travel in a pack.

Probably the best way for a student to get around Europe is by bicycle. In Europe, everybody rides a bicycle, including some Crowned Heads, so don't you sniff at it. Not only the cheapest form of transportation next to walking, at night you can stay at very inexpensive youth hostels and meet young people from all over Europe. For this is how the European student travels in his summer vacation. It is best to buy a bicycle there and sell it when you are ready to leave. If you write to AMERICAN YOUTH HOSTELS, 14 West Eighth Street, New York, they will tell you how you can get a card for hostels in Europe, and a list of locations. In the British Isles, especially, you can stay in a hostel nearly every place you go—and it may be from an old mansion to a converted Quonset hut.



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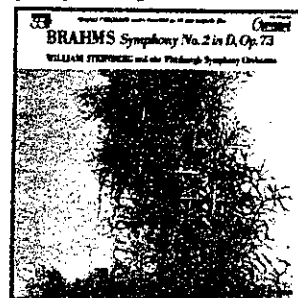
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WHAT IS SCIENCE? Ed. by James Newman. (Washington Square Press, 90c).

PHILOSOPHY OF SCIENCE. Stephen Toulmin. (Harper Torchbooks, \$1.25).

SCIENTIFIC EXPLANATION: R. B. Braithwaite. (Harper Torchbooks, \$1.85).

Apart from superficial (and often as not misleading) accounts in the daily press and popular magazines of some spectacular "break through" in scientific research or technology, even the intelligent and otherwise educated layman is likely to know little of the systematic content of the various sciences, and still less of the highly complex logic of their "methods." For that matter, scientists themselves aren't always knowledgeable about sciences not immediately related to their own; and they too may lack a clear understanding of the underlying logic or philosophical rationale of their own theoretical methods. (For it is a fact, however peculiar, that within certain limits it is not essential for the scientist to be self-conscious about his methods in order to employ them successfully.)

What is Science? is a collection of twelve essays on science and the scientific

outlook written for the layman by experts in as many fields. The editor, James R. Newman, known for his previous successes in writing and editing scientific literature for the general public, has appended a short introduction, brief biographies of the contributors, and a small but well-chosen bibliography. The essays are unusual in that they are introductions written by distinguished experts. Sir Edmund Whittaker sketches the history and scope of mathematics and logic. Hermann Bondi writes on astronomy and cosmology, tracing the background of his own radical and currently much-debated theory of the "continual creation of matter." Physics is presented by Edward Condon; chemistry by John Read; biochemistry by Ernest Baldwin; biology by Warder Clyde Allee; evolution and genetics by Julian Huxley; psychology by Edwin G. Boring; anthropology by Clyde Kluckhohn; and psychoanalysis by Erich Fromm. In addition, Bertrand Russell discusses the impact of scientific enquiry and technological developments on the situation of mankind, and deduces moral, social, and political implications. In a more ambitious and highly informative concluding essay entitled "Science as Foresight," Jacob Bronowski introduces

the reader to computers and logic machines, theory of games, information theory, cybernetics, and the logic of experiment. He explores the analogy between human thought and two types of "thinking machine."

A common misconception about "scientific method" is that all scientific theories are of essentially the same character, regardless of the particular subject matter. It is thought that insofar as they are "scientific" they must be "empirical" in the same simple and straightforward way that a generalization about particular observations is. There are theories of this sort in the sciences, to be sure. But the theoretical enterprise of the systematic sciences, physics, for example, is vastly more complex and subtle than this Baconian picture. Both Stephen Toulmin in *The Philosophy of Science* and R. B. Braithwaite in *Scientific Explanation* set out to show this.

As the sub-title "An Introduction" suggests, Toulmin's discussion will be more comprehensible to the reader with little or no technical background. With virtually no use of mathematical formulation, he considers the relation of theory to ob-

servation, the character of scientific the role of conceptual models, the "instance" of sub-microscopic particles, and the logical problems of making generalization about all examples of certain type from a necessarily limited number of observations.

The approach throughout is that of minimizing the subtle relation of the language of science to theoretical construction on the one hand, and to observed phenomena on the other. For example, Toulmin discusses at length what it means to say that light "travels" "straight lines", whether, say, this meant in the same sense in which a croquet ball travels in a straight line towards the wicket.

Professor Braithwaite's book is for more advanced student. His highly strait discussion of deductive systems and how they are employed in scientific theory, and of the mathematical meaning of statistical hypotheses probability statements requires the student to follow him over some difficult terrain.

Boy, sick. Girl, sick. by John Kingsland

BOY, GIRL. BOY, GIRL. Jules Feiffer. (Random House, \$1.50)

A decade or so ago, a woman I know, exulting in her mental health, boasted to me, "If I had been as unhappy a year ago as I am now, I would have killed myself." This may have been one of the first 'sick' jokes of our time. It was a remark which might have been taken from any Feiffer cartoon. Feiffer's first book, *Sick, Sick, Sick* was not, in fact, a collection of sick jokes, in the sense of Helen Keller dolls (which wind up and walk into walls) or of the "But apart from the unfortunate incident, Mrs. Lincoln, what did you think of the play?" genre. In Feiffer, it is the people who are sick, not the jokes . . . except that, there are not, strictly speaking, any jokes. Apparently we have come a full circle from the non-comic comics such as "Little Orphan Annie" to the un-funny funnies of Feiffer and others. A Feiffer cartoon is a satirical tableau which is best described by the subtitle to his first book, "A Guide to Non-Confident Living."

Feiffer has said that "people can become so blase about their emotional miseries that relating symptoms can become an important part of social life." This perfectly describes the activities of some of Feiffer's stock characters, who are by now familiar figures in *Boy, Girl. Boy, Girl*. Forever worried about whether they are 'in,' whether they are reading the right books or playing the appropriate sexual role, there is nothing they enjoy more than talking about their problems. There is Bernard, who never makes out with girls, and Huey, a tough charmer who always does (and who is not nearly so amusing as his weakling foil). Thus a particularly dejected looking Bernard tells us:

"I meet a girl. I tell her all of my most intimate personal secrets which she promises never to repeat to anybody. Then after a while we break up." The process is repeated through several girlfriends until he laments: "All over the city girls who no

longer like me are casually walking around my life's confessions . . . spreading me this parties all over town. The world knows Bernard Mergendieler! And I've always been secretive."

On the female side, there is the strong and weak. Fran, the tough-minded woman, is one of Feiffer's best creations. It takes a woman to begin by apologizing for a mistake in tennis game, only to leave her male partner rhaging with ulcers by the time her apology is

Feiffer has come rather a long way from the he walked into the offices of a Greenwich Village newspaper and offered to give them a cartoon week for the sake of having it printed. He had immediate success in "The Village"—that is, the country where concern with inhibition lack of them is more acute than any other. he went from strength to strength — to no syndication.

The question now is, is he facing a drowsy material? Is there only so much one can do emotional analyses? Certainly, Feiffer seems turning more and more to political satire.

And sometimes, certainly, he misses the mark. Sometimes he not only doesn't make us laugh, doesn't make us chuckle or giggle either. Occasionally, Feiffer lost me completely. The punch line of one cartoon is, "If President Kennedy could you now—I swear Marvin, there'd be no Arthur Schlesinger." I'm not sure whether I should be laughing (by being "in") at the futile frustration of the obscure, or that (by being "in") I am only those who are "out" think Arthur Schlesinger is influential. Arthur Schlesinger recently reviewed this book for a New York newspaper and ate the issue entirely. But as Feiffer further says, "The hallmark of a professional is a profound knowledge of his market."

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by Earl Schenck Miers

CIVIL WAR IN THE UNITED STATES. Karl Marx and Frederick Engels. (del \$1.95)

man-born Carl Schurz, who would exert strong influence in bringing ... recalled attending a meeting of "democratic associations" in ... in 1848. The center of all eyes — Schurz's among them — was ... thick-set man with a heavy black beard. So this was Karl Marx, ... famous at thirty for his learning and his advanced socialistic ... Schurz, writing his Autobiography almost sixty years later, could ... forget the discomfiture of that experience:

I have never seen a man whose bearing was so provoking and ... To no opinion, which differed from his, he accorded the ... of even a condescending consideration. Everyone who con- ... dicted him he treated with abject contempt . . . I remember most ... tinctly the cutting disdain with which he pronounced the word ... urgeois;" and as a "bourgeois," that is as a detestable example of the ... pest mental and moral degeneracy, he denounced everyone that ... ed to oppose his opinions.

ould have come as no surprise to Carl Schurz—and it is a circum- ... for which one should be well prepared—that the intention of the ... t volume by Marx and Engels is "to disclose the limitations in- ... in the liberal bourgeois approach to the Civil War." The curiously ... ed "Editor's Introduction" is unsigned, and perhaps it is unfair to ... t that certain passages read like the work of some old hack on the ... of Izvestia. The more important point to keep in mind is the fact ... of the champions of the proletariat and the so-called liberal bour- ... who people the faculties of our universities tend all too frequently ... the cloth of history to fit the patterns of their prejudices. Even ... ve historical method must be weighed against what, subjectively, ... torian is capable of saying.

Marx and Engels there is never any doubt. To them the American ... tion had effected the rise of the middle class and now the Civil ... the "first grand war of contemporaneous history," offered the same ... nity to the working class. Even young Carl Schurz had recognized ... Marx's utterances "were indeed full of meaning, logical and clear," ... too, within the limit of Marx's power to observe, are these com- ... ies upon the Civil War. The volume breaks roughly into two parts ... ries of articles written by Marx in 1861 and 1862 for the New ... Daily Tribune and the Vienna Presse, and a lively correspondence ... n Marx and Engels continuing into April of 1866.

result is about what one would expect: truly superb reporting in ... ng the reaction of the British working class to the cotton crisis that ... own scores of British mills; an unflinching instinct for realizing that ... s an anti-slavery war could this conflict endure; an unwavering ... ce to the "bourgeois republic" in the North since in the conquest ... "slave oligarchy" lay the hope of a future proletarian revolution; ... intense interest in battles and leaders, insofar as without a mastery ... art and strategy of war little promise remained of ever overcoming ... urgeoisie.

al leadership, in the American democratic sense, washes over ... head like a tidal wave. Thus Lincoln is never much more than a ... -headed, over-cautious country lawyer—in brief, about as good an ... etent as a bourgeois republic should expect.

its own tight little framework, however, this book is significant. ... much to teach, and also much to reject. Whether its value can be ... as far as the editor believes, so that Marx and Engels provide us ... shield against "the traditional idealistic interpretations of the sub- ... another question. The nub of that problem is: whose ideals do ... id? The editor's insistence, for example, that the American work- ... s, dedicated to securing universal emancipation, alone won the ... hile the capitalists were reaping millions as a result of fat war con- ... faces us with the necessity of rewriting a great deal of history. The ... tiots are a case in point. Clearly these must have been the work ... ed bankers who sneaked out of their cages at night to burn Negro ... ges and shatter shop windows.

TRAVEL

continued from /13

How to get there: If you have never been on an all-student boat to Europe, it's an experience you shouldn't miss. You may be crammed into a deconverted troopship which takes Sicilian immigrants to Australia in the winter time, with cabins holding twenty people and a cafeteria four decks down that you can smell from the top—but there is nothing like a student ship for fun. Lots of people will have brought their guitars or banjos, and there will be old hands, perpetual students who go every summer, who can tell you more about where to go than any guide book. Write to the COUNCIL ON STUDENT TRAVEL, 179 Broadway, New York—they also charter flights.

Student ships, however, are a little comfortless, and if you need a rest after your exams, try that other world of commercial liners. Don't consider going any class but Tourist (the others are for the Kiwanis Club), but you will doubtless succumb to every Tourist passenger's trick of sneaking into the First Class lounge. Choose your boat carefully—Tourist Class varies tremendously from one ship or line to another, and prices do not. Generally, the newer boats have larger and more comfortable cabins, the French have superior food, service on American boats is terrible. On three class ships, Tourist is in the bow, low down, and with fairly confined deck space. But some commercial liners have a small First Class, and the rest Tourist so you have the run of the ship. These are much the best.

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CHEERLEADER at University of Bridgeport, Kathy Normandy of Beacon, N. Y. was New England College Queen in 1961, a Dana scholar (highest honors), Dean's list, and Theta Epsilon Sorority.



PATRIOTIC student at Heidelberg University develops character by dueling, is more concerned with nose than chest.

Making the College Scene



FRATERNAL grip between Kappa Alpha brothers at Davidson College, N. Carolina, unites U. S. Secretary of State Dean Rusk and Herschel Sims Jr. of Charleston, W. Va.



CEREBRAL John York, a Kansas State University junior, designs three dimensional chess set. Chessmen—"astronauts"—are manipulated from level to level by electro-magnets.



PATRIOTIC Bobbie Sue Elder of University of Florida poses at Silver Springs for beautification of the State.

"Appearances Are Receiving"



THERE IS an engaging story about Baron Rothschild, the financial wizard, and his awareness of appearance.

A man asked Rothschild for a loan. The Baron refused it but said: "I will do better than that. You may take my arm as we walk together across the floor of the Exchange."

And so the man established perpetual credit.

No one claims that a good appearance necessarily gets you a job. But every business executive agrees that appearance is an important factor in judging job applicants, as well as in career progress thereafter.

Which brings to mind — Don't fail to write to *The Collegiate Digest* for our Special Supplement on Careers. This contains specific advice on how to conduct yourself most effectively at job interviews, offered by a cross section of the top executives in the country. In addition, the Supplement contains a list of commercial associations which will help you with your career programming. And the Supplement is Free. Write us for one.

—The Editors

Collegiate Digest April 1962

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WEAR WITHAL

A survey of what they're wearing and where,
from our special campus fashion panel.

EGES differ from one portion of this country to the other—in curriculum, tradition, outlook. But there's an amazing unanimity in fashion. Informality is the keynote everywhere, with dress-up occasions taken a little more seriously. Even geography doesn't make too much difference. For example, a report from Middlebury College, in Vermont: "We wear sports jackets and dress-up and sweaters and slacks for dates. There are very few dress-up shoes here, so sports clothes are the usual. Shirts, button-down and tab-collar are popular. Usually white or grey socks and shoes are worn. For class, corduroys or blue jeans are popular, worn with a sweater or sport jacket. Sports jackets are very rarely worn. Speculation fad at Middlebury is ski parkas are worn to class and athletic events." A ski-parka bit has echoes everywhere now, of course. The same report reaches Williams College, Williamstown, Mass.: "Many of us do wear ski parkas, but this is because we like to ski, not because we want to dress up."

Colgate University, Hamilton, N. Y.; sneakers in the Spring and Autumn, and surplus jackets or ski apparel in the winter. At the Holy Cross, Worcester, Mass., the same; also Mesa Junior College, Grand Junction, Colorado, and Gannon College, Erie, Pa.

ing out to Montana State College, in Bozeman, Montana, the image is much the same, special Western kicker thrown in at the dates and dress-up: Men—Sport coat, or sport shirt (no tie) or white shirt with dark socks and dark slacks. Ties are worn on bar. Women—Dark skirt (straight or pleated) with light sweater or blouse, blazer, dark or semi-cocktail dress, matching or dark jacket. Classroom: Men—Slacks (dress or semi-sport shirt and sweater (semi-bulky); khaki and-wear slacks. Women—All types of sweaters or blouse, flats or sno-boots. As for special fad, the men often wear white or colored Levi's and the women wear mid-length sno-boots with a type of squash heel."

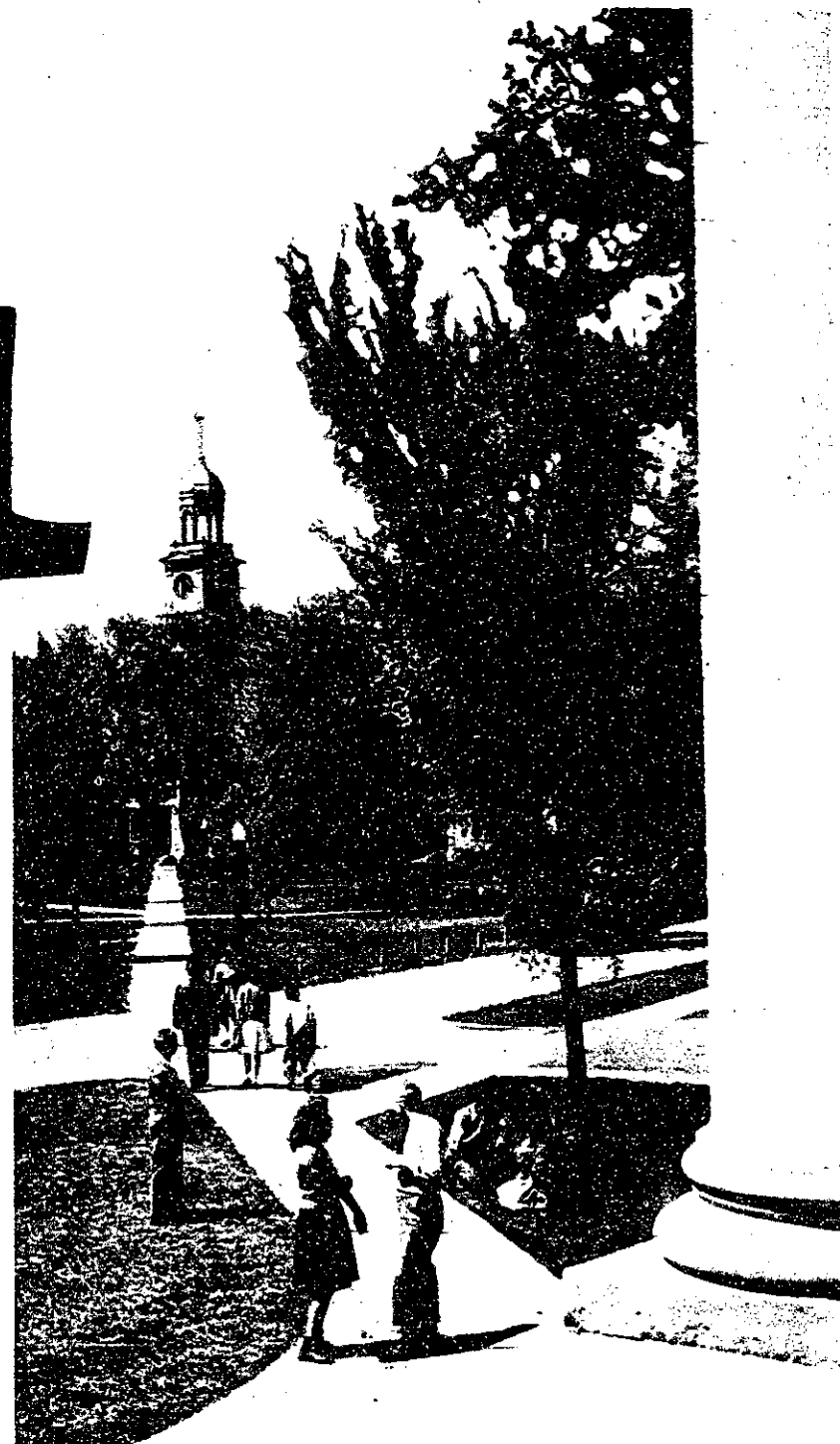


Out at California Western University, they say ditto on the general wear, with their own footwear fad a special touch: "Sports jackets, dark socks, white short-sleeved button-down shirts, thin ties of a dark color, for dates. Chinos, bermudas, button-down sport shirts, golf or crew-neck pullover sweaters, sneakers, and crew socks, for classes. Since California Western University is near to the Mexican-American border the influence shows itself in the form of Mexican huaraches (sandals) which the men often wear during class and leisure hours."

Moving up to Oregon State, in Corvallis, Oregon, a full report, not unexpected: "Most of our dates are dates to fraternity firesides, and a popular ensemble for the girls is a pastel pleated skirt and matching sweater, often the longer high-length sweater. These are also worn to shows and other casual dates, etc. The fellows like the ski sweaters or bulky sweaters and slacks with white tennis socks and black loafers. For dress occasions the girls wear wool sheaths and heels, and the fellows wear either suits or sport coats and trousers. The classroom dress on this campus is casual—pleated skirts and bulky sweaters, ski sweaters, matched sweaters and skirts, skirts and blazers. Tennis shoes in all colors are worn with the outfit. Campus coats in corduroy or twill, often with a fur collar, are very popular. The boys wear sport shirts, sweaters, and slacks. Everyone, men and women, carries umbrellas and wear tennis shoes, because of the rain. This is ski country, therefore students often wear ski jackets with sport clothes. The most popular coats are either rain coats or all-weather coats with fur linings and fur collars or beige coats made of heavy wool."

The Midwest runs true to form, as MacMurray College in Jacksonville, Ill., tunes in: "The guys here prefer casual dress for dates. Wash pants, white or colored socks, sport shirts or sweaters. Some of the fellows prefer dress slacks. Dances call for shirt and tie. Sports coats are more popular than black or other dress suits except for really formal affairs. Sweaters are probably most popular for non-dance dates. Classrooms call for more casual dress. Still wash pants and shirts or sweaters. A few jeans make an appearance but not in any sort of numbers. No sports coats here. Car coats or jackets for outdoors. (Ivy league type all-weather coats are the thing for evening outerwear.)"

Interesting point: At Northeast Louisiana State College, Monroe Louisiana, it sounds like an Ivy campus: "Suits are popular for the majority of dates. Button-down and tab shirts are both popular. White socks are gradually changing over to an assortment of colors—brown,



green, gold, black. Ties are very popular—varied colors with silk ones becoming popular. Unusual for the south, topcoats are becoming widespread in popularity, although hats aren't as popular as last year. In Classroom: Sport shirts with button-down collars—loud and varied designs. Sweaters—bulky, light-weight, assorted colors. Dress slacks, blue jeans, and ivy-league are all popular."



As for fads, the umbrella, which started some years ago hitting Southern campuses, now seems to be ubiquitous. Says Linfield College, McMinnville, Oregon: "Two fashion fads which are new to our campus this year are the use of the black umbrella and the wearing of knee-length olive-drab raincoats."

And in far-away Pennsylvania State College, at State College, Pennsylvania: "Raincoats and umbrellas (the slim black variety) are almost the uniform of the day in the spring."

Other fads by the way: At Austin State College, Clarksville, Tenn.—the narrow tie, "never over 1/2" in width." At Cornell University, Ithaca, N.Y.—"Russian-type winter hats."

And finally, a surprising fashion-stroke in the field of academic-psychology, from Bakersfield College, Bakersfield, Cal. "A fashion fad which seems to be unique here is that although women are permitted during final exams to discard the usual skirt and sweater in favor of slim jim, many of the men dress 'up' for finals with tie and suit or sports coat. This is not by any means universal here, but it is quite prevalent, and those who do so say it gives them an extra bit of confidence which helps a great deal."



How YOU WEAR IT is what counts

As for pocket handkerchiefs:

As most fellows know, there are handkerchiefs for showin' and there are handkerchiefs for blowin'. These are interchangeable as long as men use only the white squares.

However, with the increasing popularity of colored shirts why not review a few of the simple rules that permit that extra dash of fashion obtainable by the use of colored pocket kerchiefs that either blend or contrast with the suit, shirt and tie?

First of all it should be understood that the very popular silk foulard pocket squares are perfectly correct. As with linen or cotton handkerchiefs, these can be had with plain borders and plain centers. Silk squares should never be worn neatly folded. They should be casually tucked into the breast-pocket in a manner that displays a bit of both the border and the center.

There are many well-dressed men who hold that the same rule applies to linen handkerchiefs. On the other hand, many fellows insist on the neatly folded points showing or the square-type "TV fold." The casual tuck-in is the most sophisticated—but make your own choice.

The pocket kerchief should blend with or contrast nicely with your shirt and tie. It is presumed that the shirt and tie blends well with the suit. Although matching foulard tie and kerchief sets are available, the pattern of the kerchief need not match that of the tie. For instance, say that a blue tie is worn with a blue shirt and a blue or blue-gray suit. The monotony of the color combinations can be relieved with a predominantly red or yellow pocket kerchief.

For formalwear, forget the silks and keep to simple unadorned whites—folded or not, as you prefer.



Now, as to:

Sleeves. Your jacket sleeves should be enough to permit a half-inch of shirt cuff to show.

Trousers. Your slacks are probably short. Your suit trousers should break slightly at the instep. Trouser width should be three-quarters the length of the shoe.

Short, stocky guys should avoid loud and bold patterns, look for vertical details such as chalk stripes and herringbone patterns. Avoid rough, bulky fabrics, stick to chinos, flannels, worsteds. Wear tapered trousers and cuffs.

Too-tall guys look for loose clothes, wide shoulders, double-breasted jackets (as in a sport or yachting jacket in blue flannel). With a single-breasted jacket, wear a bold-patterned vest. Avoid bulky fabrics. Shirts with spread collars. Well-soled shoes. Hefty polo coat.

Plan of action:

Rotate your clothes and shoes. They'll last better that way, look better. Off of your back, up your clothes, put trees in your shoes. When you throw your coat over a chair or hang it on a hook, it'll tear it out of shape. Keep pockets free of excess bulk. And clean out the fluff once in a while. Dry clean clothes often—pressing when you're pressed for time yourself. Wash wet clothes and hang up immediately. At the season's end, have overcoats dry-cleaned and proofed, then store away.

Have breaks or tears fixed immediately. Catch buttons while they're loose, not let them after they're gone.

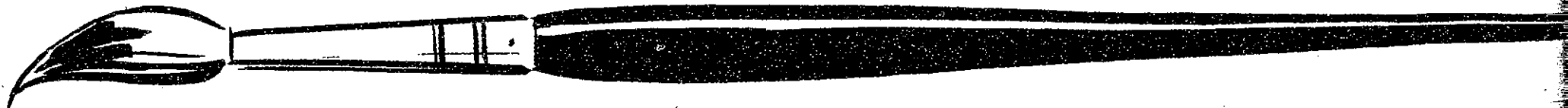
Back to shoes: have them shined immediately when new. Keep them shined, they'll last longer by longer wear and better appearance.

Have your ties dry-cleaned occasionally. If they're any good they'll surprise you by being virtually new and save replacement.

Don't forget: the best-dressed man is the one whose clothes are so inconspicuously good that you can't remember afterwards what the details were—except that the overall effect was a success.

EVEN if you have the right clothes, it is possible to look wholly undistinguished in your appearance—just as there are many ways of looking up and looking better, simply by supplying the little extra touches that possibly the other fellow doesn't know.

For example, in the matter of the color combinations shown below:—a lot of men buy their accessories—ties, shirts, socks—separately and with no thought to their suit wardrobe. They buy what they like and then let the color combo work out—except that it doesn't always do that. Many a good tie is in basic clash-color with a man's suit of the moment, and makes him look odd. Other men stick to all-blue or all-brown, which isn't bad but pretty dull in the long run. If you experiment a bit with the ideas below, you'll begin to develop character in your appearance.



1962 COLOR CHART FOR CLOTHES HARMONY

SUIT	SHIRT	TIE	HANDKERCHIEF	SOCKS	SHOES	TOPCOAT	HAT	SCARF
Navy Blue	Tan	Blue and Gold	Yellow	Blue	Black	Gray	Blue-Gray	Red and White
Blue-Gray	Gray	Red and Blue	Red	Black	Black	Blue	Slate Gray	Light Blue
Blue-Black	Blue	Blue and Silver	Red and Blue	Black	Black	Blue-Gray	Black	Silver Gray
Blue-Olive	Blue	Blue and Olive	Green and Blue	Dark Green	Dark Brown	Camel Color	Olive Mixture	Green and White
Brown-Olive	Off-White or Ivory	Green and Red	Red	Brown	Brown	Natural Gabardine or Covert	Olive or Tan-Olive	Brown and White
Black-Brown	Yellow	Brown and Black	Yellow	Dark Brown	Cordovan	Medium Brown	Dark Brown	Brown and White

MOMENT OF TRUTH

by Al Erisman



"Roomie, I am going to get a date!"



"This is the hardest part."



"Uh... hello Joan? How about tonight?"



"Oh... er... you're busy tonight."



"Well...uh...how about tomorrow?"



"GREAT! I'll pick you up at seven!"



THE INS AND OUTS OF COLLECTING SWEATERS

(OR)

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the newsy textures and tweedy tones of "Orlon" acrylic, "Orlon Sayelle" bi-component acrylic.

almost anything else, almost anything else! (So start collecting sweaters of "Orlon" and "Orlon Sayelle" right now!)



BETTER THINGS FOR BETTER LIVING... THROUGH CHEMISTRY

*"Orlon" is Du Pont's registered trademark for its acrylic fiber.

**"Orlon Sayelle" is Du Pont's registered trademark for its bi-component acrylic fiber.

"It was nothing....
I have her eating
out of my hand."



Coast to Coast

WARDROBE GUIDE

A survey of what college men are wearing in every section

NORTHEAST

College men in the Northeast cling to the unadorned three-button natural-shoulder suit and sports jacket. The matching vest is present in many of these suits. Subdued shetland jackets are augmented by some bold plaids. Navy blazers are a basic. Dark gray flannels still are the first choice in slacks, but many deep olives are worn, too. For campus wear, the duffer-type coat has made a strong comeback and lodens are seen in great numbers. Tab collar shirts have increased in popularity and chino pants are classroom favorites. No surprises, few fads—a traditional picture.

SOUTHEAST

Quite a few southeastern colleges have a far more rigorous standard of dress for their students than is found in many Ivy schools. The rules apply to classroom and campus wear, too. As a result, dressy outfits, such as the three-piece suit and the navy blue blazer worn with medium or dark gray flannels, are among the favorite items of attire. Outerwear in a wide range of styles, types, lengths and weights is very important in this area, as in all the others where Winter has a chill bite. Here, college men rate gabardine topcoats alongside of tweeds and chevots.

SOUTH

The three-piece suit with matching vest has made quite a fashion impact on students in southern colleges. This style has been extended to the lightweight Dacron-wool blends. In the Deep South, seersuckers in plaids and stripes are very popular in both suits and sports jackets. Striped sports shirts are making a comeback in that area, too. Bulky knit cardigan sweaters are a favorite, and there are many students wearing lightweight V-neck pullovers. Button-down oxford shirts in white, colors and stripes are still tops, but the snap-tab collar rates high on southern campuses.

MIDWEST

College styles apparently still move from East to West. Here's a for instance: Last year, students at the Eastern Ivy League schools adopted the tightly-furled umbrella and carried it on rainy days, as well as an accessory to their dress-up clothes. This year, the fad has reached the Midwest. Spring days find the campuses dotted with walk shorts. Tab collar shirts have been accepted wholeheartedly, but the button-down oxford shirt is still king. College men are wearing more colored and striped shirts here, too. Natural-shoulder suits and sports jackets are uniform.

SOUTHWEST

Dressy worsted flannel suits, some with matching vests, sleek mill-finished worsteds and casual corduroys mark the clothing preferences of students in the Southwest. The blue blazer is a campus "uniform," too. It is worn with medium-to-dark gray worsted flannel slacks for dress-up and with chinos or polished cottons for casual occasions. Subdued shetland and tweed sports jackets are other favorites. Climate calls for a good raincoat to keep out occasional wet and chill. The narrow-brimmed center-crease university hat, or the sporty tyrolean when dating.

WEST COAST

A more casual attitude toward clothes is reflected. At University of Southern California, T-shirts are worn alone with wash slacks or walk shorts after classes and around frat houses. Students should have some beachwear, too. The surf season lasts well into October and starts again in late April or early May. Sweat shirts, fly-front Hawaiian-length trunks and button-down sports shirts (worn with tails out) are part of beach gear. Students who are "in," frequently chop off the sleeves of their sweat shirts and wear crew socks (never knee-length hose) with walk shorts.

NORTHEAST

2 suits: Choice of medium-to-dark gray worsted herringbones; olive glen plaid, mid-weight, small patterns. All in classic three-button natural shoulder models (some with vests to match).

2 or 3 jackets: Shetlands or tweeds in medium-to-dark tones (one with bold check or plaid); navy blue flannel blazer, plus lightweight madras or patterned cotton for early fall and spring.

6 or 7 pairs: 2 dark gray flannels; 1 olive flannel; the balance, tan chinos, poplins or cords for classroom wear.

1 topcoat: Fly-front, semi-fitted with set-in sleeves, natural shoulders, flap pockets. Usually in gray or olive-blend chevot.

No overcoat.

1 raincoat: Tan or natural color poplin in balmacaan model. May be a washwear construction.

2 garments: Duffer coat in navy, green, camel or black; loden coat (may reverse to poplin) in green or gray, waist-length mid-weight blouse; hooded popover; ski jacket; college crest or name warm-up jacket.

3 hats: 1 dressy felt with small welt-edge brim and center-crease crown in dark olive, gray or pumpkin; 1 tyrolean in green or bronze velour or mixture; 1 rain hat.

2 sweaters: 1 crew neck shetland in natural or lovat mix; 1 slightly heavier or very bulky knit in either crew or boat neck.

8 shirts: Assorted button-downs and tab collars in oxford and broadcloth. Mostly whites, plus blues and stripes.

4 sport shirts: Cotton button-down collar plaids (madras-type) checks, etc.; hopsacks; heavy cottons. All in button-down collar style—some in pullover model.

8 ties: Wool challis; reps; foulards. Small prints, paisleys and stripes.

3 pairs: 1 plain-toe blucher; 1 wing-tip (both cordovan); 1 pair sneakers. NOTE: Will need 1 pair slippers.

1 tuxedo: Black in natural shoulder model with either shawl or peak lapels. Accessories to include formal pleated dress shirt, studs, cummerbund or vest and bow tie, black socks, formal shoes.

8 pairs: 6 x 3 rib wools; crew socks.

1 muffler: Plaid or plain wool.

2 pairs: 1 Madras; 1 poplin or Dacron-wool blend.

3 or 4 tie clasps and collar pins; a solid color odd vest; 1 or 2 cotton, rayon or silk ascots; wallet; toiletry kit; 12 to 24 white handkerchiefs; 2 pair gloves: 1 wool; 1 pigskin.

SOUTHEAST

2 suits: Flannels and hopsack favorite dress-up suit fabrics to dark grays and olives in colors, with navy next (especially in town). Corduroy is another favorite.

2 to 3 jackets: To one navy add one or two shetland or modest or medium-bold plaids. Brown and olive are all good.

8 to 9 pairs: Supplement 2 worsted flannels in dark or olive with 6 pairs of khaki and olive chino or poplin. Worsteds hopsack slacks in olive.

1 topcoat: Gabardines, tweeds vie for favor here, and classic chesterfields.

1 overcoat: Dark gray, olive or chevot in either fitted or fly-front and natural shoulder balmacaan style.

1 raincoat: Oyster or tan color a zip-in wool or pile fabric.

2 or 3 garments: 1 lightweight and/or heavyweight. Loden types; waist-length jackets; corduroys; parkas; plaid poplins.

1 or 2 hats: Classic center narrow-brim felt in olive, brown; tyrolean hat for sport.

2 to 4 sweaters: Crew neck Hi-V's worn at all colleges; also goes for five-button sleeveless slipovers.)

10 shirts: Oxfords in both tab collar models. White, blue, etc., in solid colors and stripes.

3 to 5 shirts: Button-down both coat and popover models. Solids, batiks and paisleys.

10 ties: Wool challis; reps; black silk knit.

3 pairs: Black or brown plain bluchers; moccasins, and sneakers.

1 tuxedo: A black tropical shoulder model with shawl lapels; studs; cummerbund (Can be rented at some schools).

10 pairs: Wools; cottons; crew socks.

1 muffler: Silk or wool, favorite.

1 or 2 pairs: Washable, patterned.

A solid color odd vest; tie clasps; 2 or 3 pairs of socks; 2 or 3 pairs of shoes; 2 or 3 pairs of gloves; 2 or 3 pairs of handkerchiefs; 2 or 3 pairs of socks; 2 or 3 pairs of shoes; 2 or 3 pairs of gloves; 2 or 3 pairs of handkerchiefs.

SOUTH

MIDWEST

SOUTHWEST

WEST COAST

Suits: 1 regular or medium-weight dressy suit with vest to match, plus a poplin, cord or lightweight. Glen plaids; herringbones; blues, blacks, charcoal grays are best dressy suits. Seersuckers in stripes and blacks are also good in lightweights.

Jackets: A blazer in navy blue, black, or other shade, plus a tweed or shetland in cool areas or a lightweight wool cotton-blend in warmer zones. Plaids, blacks and modest patterns all are worn.

Trousers: To two pairs of good worsted or other dressy slacks, add 4 or 5 pairs of lightweight wash slacks, such as flannels, corded cottons, cords, corduroys, seersuckers, poplins.

Coat: At Universities of Georgia, Florida State, a lightweight or medium-weight tweed topcoat is needed, as it is worn by Georgia Tech, Georgia State and Emory. Men favor gabardines, too. Most style is the raglan balmacaan, although a few are worn with set-in sleeves.

Coat: Oyster, natural or tan shades in flannels. Regular lengths, ¾ lengths and trench coats. Should have zip-in pockets in cool spots. (An extra plastic liner will be handy.)

Garments: Select weight and warmth according to climate. Waist-length blouses; ¾ length coats.

Hats: In cool areas, rain hat plus casual (check, plaid or plain color) felt. Also dressy narrow-brim center felts.

Sweaters: Most types of sweaters are worn in southern schools. Select from crew necks, boat necks, hi-V-necks, cardigans, bulky knits, etc. Mostly solids but some fancies, too.

Shirts: Button-downs and tab collars in flannels, broadcloths, chambrays, etc. Blues, solid colors and stripes and plaids.

Shirts: Solids, plaids; checks; Madras; batik; paisleys, and knits. Sweaters and pullovers. Some with short sleeves.

Reps; challis; knits; solids.

Shoes: Plain-toe or wing-tip cordovans; sneakers; "dirty" or white shoes.

Best climate only, white dinner jacket and black formal trousers are worn in cooler climates, black tuxedos in winter; white dinner jackets in flannel shirt; studs; links; cummerbund bow tie set. (Some students wear.)

Dark dress; argyles; crew socks;

Poplin; Madras; washwear, etc.

Key vests; gloves; mufflers (where tie clasps; collar pins; toiletry kit; 12 to 24 white handkerchiefs.

2 or 3 suits: Select from mill-finished worsteds in herringbones, plaids and plains. Also flannels; hopsacks and corduroys. Olives, grays, navy blues and browns are all good.

2 or 3 jackets: The solid-colored blazer is a favorite in the Midwest, too. Here they wear blacks, olives and maroons in addition to navy blues. Muted plaids and herringbones in tweeds and shetlands are "in" as are modest stripes.

5 or 6 pairs: To good worsted flannels, add some corduroys and chinos or polished cottons. Flannels in medium-to-dark grays or olives.

1 topcoat: Dressy coat in classic fly-front natural shoulder model of cheviot or tweed. Zip-in liner.

1 overcoat: Warm storm coat or stadium coat with tweed or gabardine shell and alpaca or pile lining. Can have self, mouton, racoon or pile collar.

1 raincoat: Select from your favorite style, ranging from natural-color classic balmacaan to split-raglan in checks and plaids.

2 to 3 garments: 1 light and/or medium-weight and 1 heavyweight. Select from waist-lengths (light-weight), and three-quarter and full-lengths (heavyweights). Poplins; suedes; lodens, shearlings; corduroys; tweeds, etc.

1 hat: Narrow-brimmed, center-crease felt; patterned cloth hat; velour or other type tyrolean, or rain hat.

2 to 4 sweaters: Crew necks; boat necks; hi-V-necks; shawl collars; cardigans; wools; mohair blends; shetlands, etc. Also horizontal stripes.

6 to 8 shirts: Button-down collar oxfords in white, blue and stripes. Also a few tabs and pin-tabs.

6 shirts: Button-downs; popovers, etc., in small figures; paisleys; madras-types; muted tartans; plaids, checks and solids.

6 to 8 ties: reps; challis; wools, and foulards in 1½" and 2" widths.

3 or 4 pairs: Dressy cordovans or blacks in plain-toe blucher or wing-tip styles; moccasins; sneakers; desert boots.

1 tuxedo: Natural shoulder model in black tropical weight; tux shirt; studs; black socks; formal shoes.

10 to 12 pairs: Ribbed wools, crew socks, cottons and a few argyles.

1 muffler: Plaid or solid wool.

3 or 4 pairs: Tans, olives; Madras.

2 pairs of gloves; tie pins; collar pins; toiletry kit; wallet; 12 to 24 white handkerchiefs. 1 vest: Reversible.

2 suits: Dark gray or olive worsted flannels; also subdued herringbones and plaids in worsteds.

2 jackets: Blue blazer or shetland or tweed in subdued pattern.

6 pairs: 2 worsted flannels; 2 polished cottons or chinos; 2 washwears.

None.

None.

2 raincoats: Poplin balmacaan in oyster or natural; plastic coat.

3 garments: Waist-length; knee length, and car coat styles.

2 hats: Center-crease raw-edge felt; velour tyrolean.

2 sweaters: Crew neck pullovers; hi-V-neck pullovers; cardigans.

4 to 6 shirts: White and colored button-down collar oxfords.

6 shirts: Button-down collars in solids, plaids, checks and neat prints.

6 ties: Reps; challis; 1 black knit.

4 pairs: Wing-tip, plus 2 loafers and 1 pair of sneakers.

1 tuxedo: Natural shoulder black with accessories; formal oxfords.

12 pairs: Dressy wools and cotton, plus athletic socks.

None.

2 or 3 pairs: Solids and madras-types.

Tie bars; wallet; toiletry kit; formal studs; links; clothes brush; 12 to 24 white handkerchiefs. 1 or 2 vests: Reversibles; solids.

2 suits: Medium-to-dark tones. Stripes "big" at Stanford; corduroy suits; blacks, olives and charcoals at U.S.C. in Dacron-worsted blends—medium grays in washwears. Herringbones and tweeds at U. of Washington.

2 jackets: Flannel blazers; muted plaids; Madras; madras-type wools. Solid shades in medium-to-light tones at U.S.C. Checks and stripes at U. of Washington.

6 or 7 pairs: Worsteds flannels; washwears; chinos; polished cottons; cords. Dark grays, olives, antelopes.

None.

None.

1 raincoat: Natural or oyster poplin, in balmacaan model with fly-front.

2 garments: Select from finger-tip, knee-length, waist-length styles in lightweight, medium and heavyweights, as required. Lined and unlined poplins; lodens; laminated knits; ski jackets; parka-types.

2 hats: One rough-textured sports model; one snap brim felt.

2 or 3 sweaters: Pullovers; cardigans; crew necks, boat necks; hi-V-necks; shawl collars.

4 shirts: Button-down oxfords in white and colors. Also tabs at Stanford.

6 to 8 shirts: Plaids, solids; knits; paisleys. Also wools and wool blends at U. of Washington.

6 to 10 ties: Narrow-width stripes; solids; knits; small prints.

4 pairs: Cordovan plain-ties; wing-tips; sneakers; slippers; moccasins; casuals.

Will rent.

8 pairs: Dressy darks; argyles; soft cottons; crew socks; stretch socks.

None.

1 to 3 pairs: Solid colors or Madras.

Odd vests (red and a few checks) worn at Stanford; tie clasps; toiletry kit; slippers; wallet; muffler and gloves, if needed; 12 to 24 white handkerchiefs.

COLLEGE SWEATER PANEL PASSES ON NEW TRENDS

Sweaters are favorite items in college wardrobes. So sweater stylists perked up their ears when a conference of college men from Holy Cross, Yale, University of Georgia, Florida State University, Indiana University, Wayne State University, University of Oklahoma, University of Houston, Brigham Young University, and the University of California (varsity football, wrestling, and lacrosse represented as well as journalism, poli-sci, engineering and advertising) got together in Sun Valley, as guests of E. I. Du Pont de Nemours & Co., to pass on current styling.

Agreed: crew neck shetland in classic ombre shadings is the classic. Also: average number sweaters owned 7.5. \$10 to \$20 retail price spread about right. Most drycleaned sweaters even if washing possible. Endorsed V necks; high-button cardigans; critical of gimmicks such as side vents or side adjustments not serving practical purpose. Bulky look less important, but still popular. Conclusion: Well-knit gang.



Tommy Johnson (U. of Ga.)



Bill Adams (U. of Cal.)



Left, Lou Livingston (Yale) right
Larry Kaluzny (Wayne State U.)



Mike Weingart (U. of Houston)

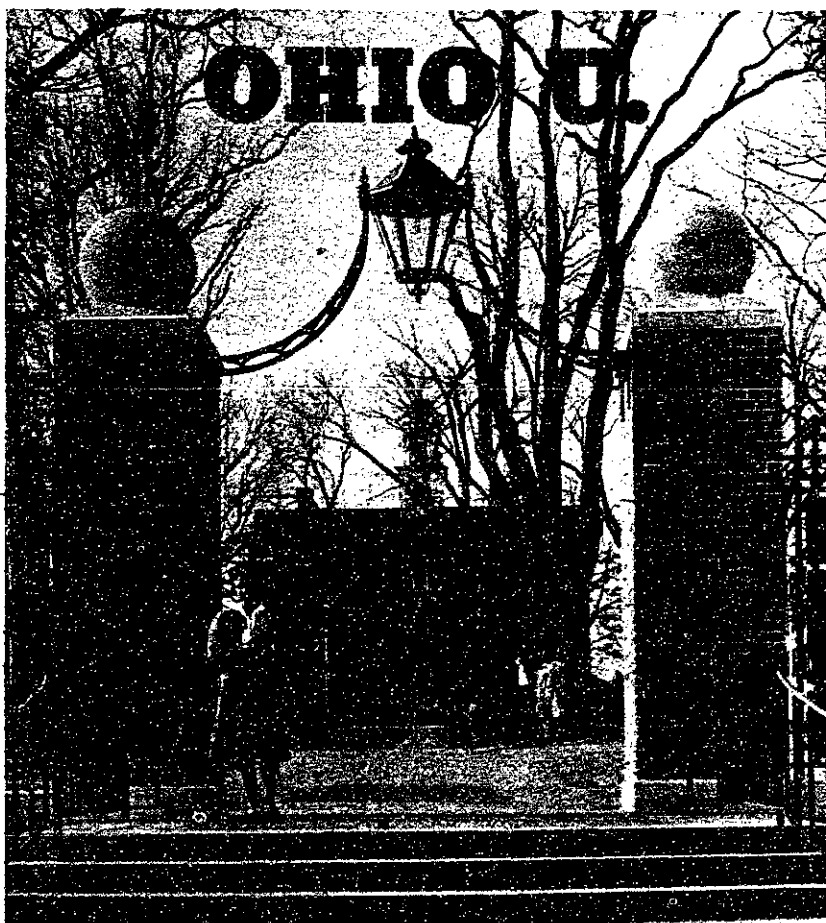


Jack Hardy (U. of Okla.)

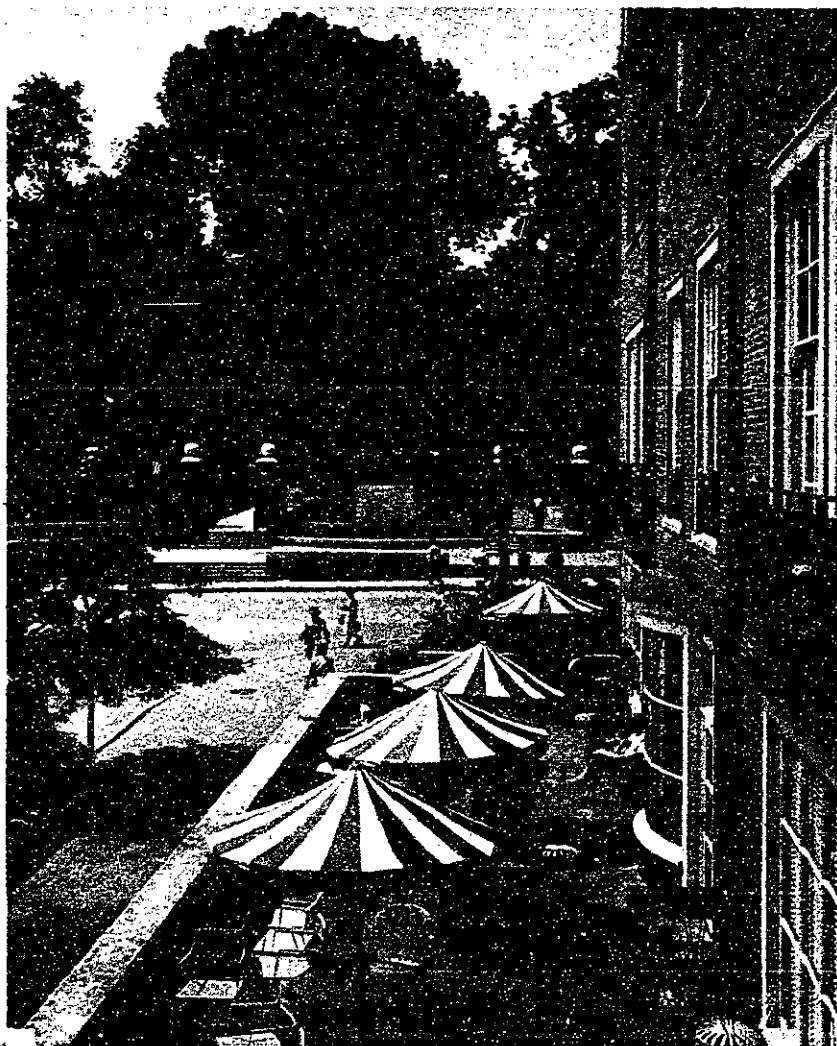


Tommy Johnson (U. of Ga.)

Getting Around To It:



A view of Cutler Hall in the winter looking through the new Class Gateway completed a year ago.



The new Class Gateway to the Ohio University Campus Green is shown looking from the patio of the John C. Baker University Center, completed in 1954 and recently named in honor of retiring president Dr. Baker.

FOUNDED in 1804 by two Bostonians, Ohio University in Athens, O., still holds onto its Boston tradition. Its New England architecture gives the campus a likeness to Harvard University's campus and for 15 years Dr. John C. Baker, a former Harvard man, has built the oldest university in the Northwest Territory from small university to large university status in physical size, enrollment and academic standards. This year the Boston tradition was continued with the naming of Dr. Vernon R. Alden, another Harvard man, as president to succeed Dr. Baker. For the first time in the history of the Harvard Graduate School of Business Administration one graduate followed another as president of a university. Thirty-eight-year-old Dr. Alden is the youngest university president in Ohio and Ohio University's youngest president since William Henry Scott was inaugurated at the age of 32 in 1872.



Dr. Vernon R. Alden and his wife, Marion, look out over Ohio University's East Green dormitory area. Dr. Alden took over as president of Ohio University January 3, 1962.



The Ohio University Campus Green in the spring.



MAKING BOOK



In order to advance a personal campaign to make this "Be-Kind-To-Those-Whose-Are-Going-Insane-For-Lack-Of-Laugh's" month, I'm compelled to divulge information about a unique little paperback. Even those of you who suffer from intense guilt feelings because you've put down that book of study and are searching for hilarity will find *College Parodies* satisfying compromise.

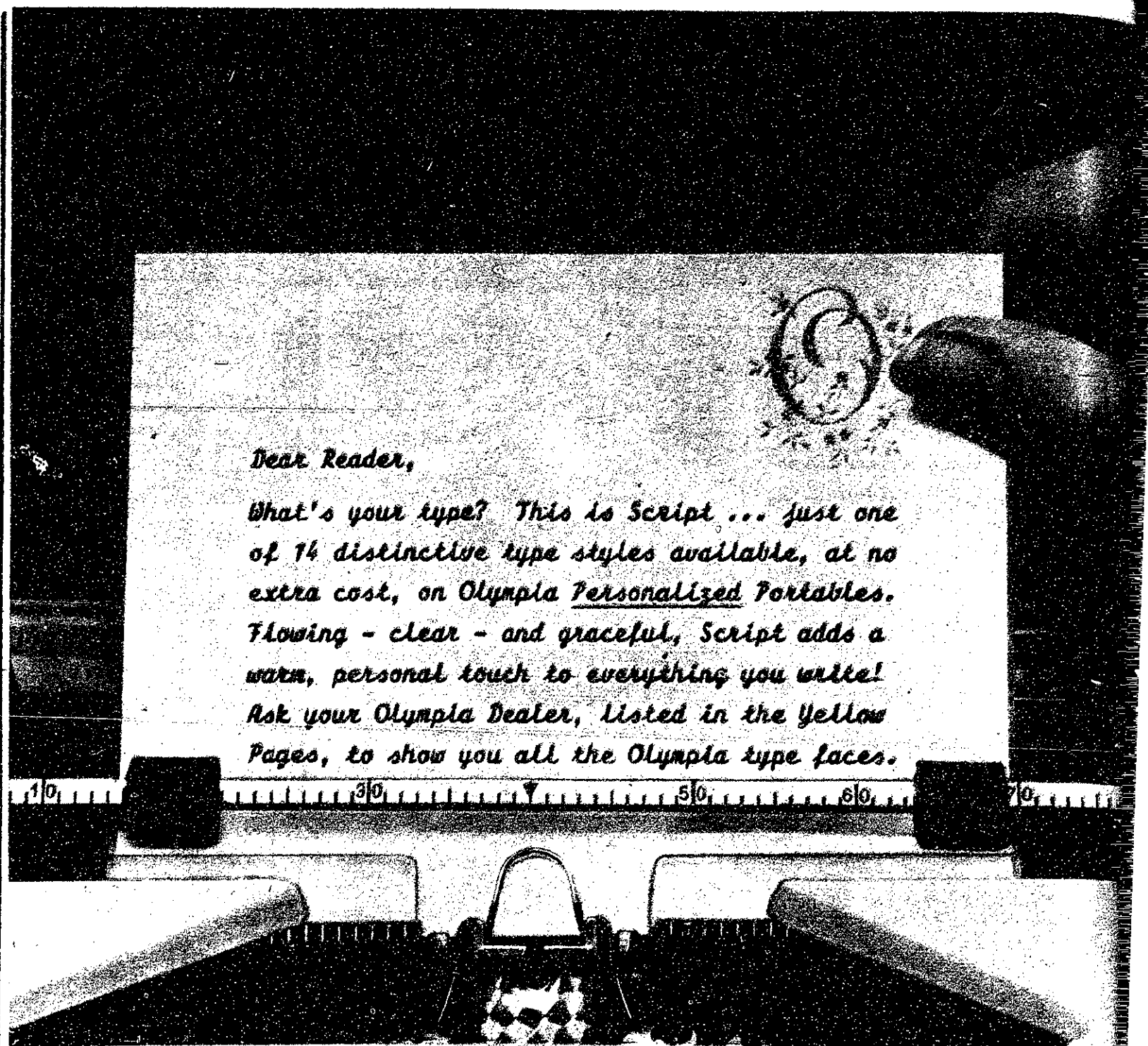
This collection of "spoofs" is edited by Will and Martin Lieber-son and is published by Ballantine Books. It includes parodies on current well known magazines and newspapers taken from such collegiate publications as the *Columbia Jester*, the *Cornell Widow*, the *Purdue Rivet*, the *Yale Record*, and others. A humorous and snappy turn is given to comic strips, ads, feature articles, short stories, and non-fiction found in sports' and news' magazines, home journals, and entertainment periodicals which fill the newsstands across the country.

Indulge yourself with a few hours of humor! Take that seventy-five cents you've been saving to buy your favorite magazine and pick up a copy of *College Parodies* at the bookstore.

While you're at the bookstore you might look for two paperbacks which are not in the humorous vein, but which I highly recommend. *Shakespeare of London*, written by Marchette Chute and published by Dutton Everyman Paperback (65c), is an excellent account of William Shakespeare and his works and the society in which he lived.

The other paperback is the essay *On Liberty* written by John Stuart Mill (A Gateway Edition, 85c). Although this work was first published in 1859, it has been a favorite for more than a century. I think you will find this essay on civil liberty particularly appealing in regard to current national and international policies.

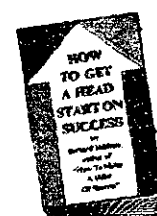
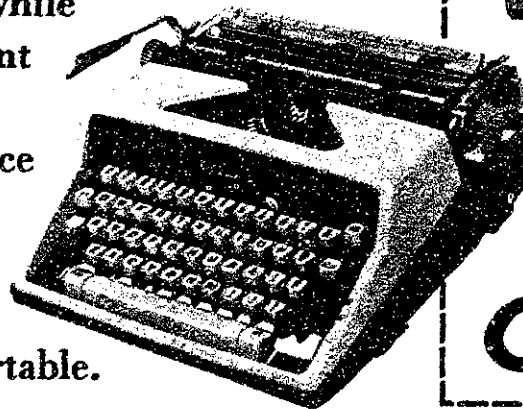
LIZ PACE
Barnard '63



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FREE ... a 40-page, career guidance booklet, for high school and college students, entitled "HOW TO GET A HEAD START ON SUCCESS." The author is Bernard Haldane, originator of the Success Factor Analysis approach to career development. Covers such informative and helpful material as: The Ten Steps in Success Factor Analysis; Interpreting Your SFA; Preparing Your Résumé; How Job Ads Are Found; How To Write Appointment-Getting Letters; etc. Send for your free copy today!

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OFF THE RECORD

One you'll want by all means is "The Folksingers of Washington Square" (CLP-4010 — Continental). Washington Square Park, as you may know, has been in the past

a burial ground for New York City's paupers, a hanging ground for its sinners, and for the last 20-odd years, the locale of outdoor folksinging in Manhattan. There

was quite a scramble over this recently. The law decided to put a stop to the singing, and proceeded to arrest any warblers for "minstrelcy." There were fights, sit-down strikes, committees, and more arrests before the Mayor interceded and gave the Square back to its singers as their own special

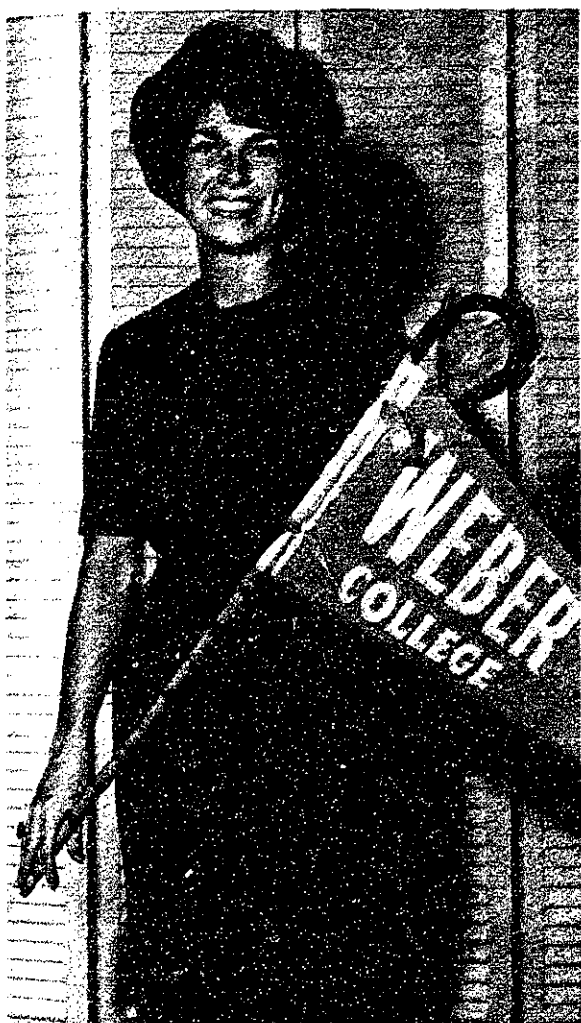
platform. This record is the triumphant results, and contains: "Land"; "Big Ball in Nashville"; "The Sailor Boy And Wander Boy"; "Hoe-Down Medley"; "Brooklyn John Henry"; "E-RI-E Canal"; "I'm Sad And Lonely"; "Hard Trials" and other

—New

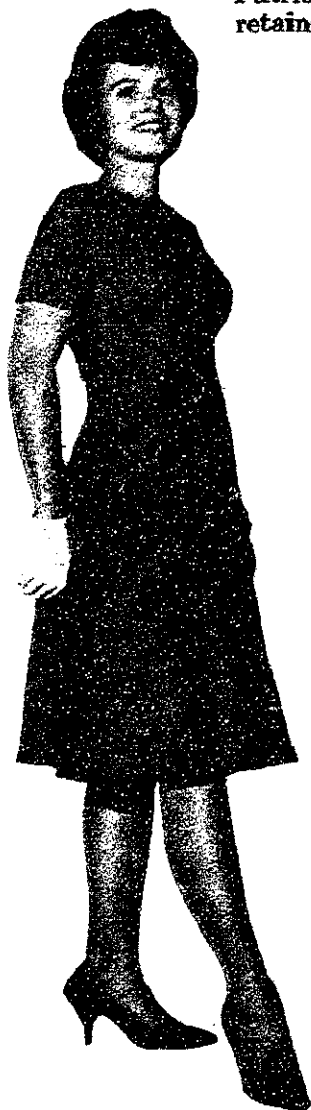
Girls-on the go

National College Queen Finalists model styles in the '62 look of studied simplicity and neatness

Patricia Weaver, "1961 National College Queen," of Wilson College, Chambersburg, Pa., wears frosted wool and orlon dress in electric shades of pink, blue, or turquoise.



Ann Frandsen, "Western College Queen," from you-see-where in Ogden, Utah, models a dress belted with large patch-saddle pockets.



Patricia Weaver goes casual in this outfit, but retains a tone of neatness and charm.



Marsha Thompson, "Rocky Mountain College Queen," from Montana State College, in Bozeman, Montana, chooses simple, smart, and figure flattering lines.



Eunice Young, "Southern College Queen," from that college there in North Carolina, prefers the tailored look with jacket, pleated skirt.



and for those odd-about moments...



Casual and yet sophisticated cotton jacquard in snappy pullover. (Hey, you're missing the box!)



Quilting parties wear a fireside dress, left and right, square necked jumper in blue and green checks, bright brass buttons.



Wide-wale corduroy in slim tapered pants, and sleeveless box jacket.



Campus favorite with a touch of extra dash, via over-shirt of bold stripes.



Redingotes will be big this spring. And dig the lace doilie on the lad on the left.

Salem refreshes your taste —“air-softens” every puff



Take a puff—it's Springtime!

Like all the softness of springtime
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