

45 Gastroenteritis Cases Reported In Outbreak at Baker House

A report issued by Medical Director James M. Faulkner states that an epidemic of gastroenteritis, a common type of food poisoning, occurred at Baker House last weekend. 45 students reported illness, seven of whom were treated by the infirmary.

Burton House President Dick Greenspan, '60, called the incident "unfortunate", and stated that the case would be mentioned at the next house committee meeting. Although Burton House is expected to begin a compulsory commons system next year, the Burton commons committee will not meet for several months.

Medical Report

Report on Outbreak of Gastroenteritis at Baker House December 3-6, 1959

Late on Friday evening, December 4, a student from Baker House was admitted to the Homberg Infirmary with symptoms of acute gastroenteritis. Later that night another student from Baker House came to the infirmary with similar complaints in a mild form. He was given some medicine and allowed to return to his room. The next day one student from East Campus was admitted to the infirmary with similar complaints and two more students with mild symptoms were treated on an ambulatory basis. On the third day, Saturday, December 5, one more student from Baker was admitted to the infirmary and another from Baker treated on an ambulatory basis. All the cases were mild. Only one had a fever and this was 100°. All who were admitted were discharged within a day or two. This is an average weekend experience for the Infirmary and no particular note was taken of it.

On Monday word was received that a considerably larger number of unreported cases of gastroenteritis had occurred in Baker House and the question of a food-borne epidemic was raised. An immediate check was made of the equipment and food-handling personnel at Baker House. No fault in equipment or break in procedure was found. None of the food handlers admitted to having been ill immediately prior to or during the epidemic.

A questionnaire was distributed to all who had upset stomachs over the weekend to which there were 45 replies. 16 had been taken ill on Thursday, 25 on Friday and 4 on Saturday. In addition it turned out that the student from East Campus who was admitted to the infirmary had eaten both lunch and dinner on Thursday, December 3, at Baker House. The time of onset of symptoms suggested that if food were a factor it would have to have been ingested on Thursday.

The clinical picture was not typical of any of the three common forms of food poisoning — staphylococcus, salmonella or botulinus. It was more characteristic of the virus type of acute gastroenteritis which is perhaps the most frequent type of mild outbreaks in families or other small groups living together such as in dormitories.

The last previous routine sanitary inspection of Baker House dining facilities on November 12th indicated excellent conditions of cleanliness. It is perhaps not generally recognized that all the MIT dining facilities are subject to a much more rigorous sanitary supervision than any of the public eating places in Cambridge. These consist of an unannounced monthly inspection by a sanitary engineer which includes checking the temperature of all ice boxes and dish washers and bacterial cultures of eating utensils, milk and cream etc. Since the inauguration of this system of sanitary inspection by Professor Horwood during World War II there has not been a single epidemic traceable to food-borne infections in the MIT dining facilities although during this period there have been a number of such epidemics in the fraternity houses which are not subject to sanitary supervision.

James M. Faulkner, M.D.
Medical Director

Residents "Disgusted"

Baker House resident Michael Padlipsky, '60, stated that the dormitory's residents were in general "disgusted" with the food situation, and that "no one was very surprised at the poisoning incident." Although the medical report on the case stresses the care with which Baker food is prepared, Padlipsky stated that it seems to be "stretching coincidence when nearly 50 people become ill simultaneously". He added that Baker residents "expect food to be bad at commons meals."

It also was learned that a freshman patron of Walker Memorial's dining services found a sizeable piece of glass in his ice tea. He suggested a "decent method of food inspection" be found.

Propitiation

Wednesday night, commons' dinner offered a choice of sirloin steak or Lobster Newburg.

LSC Loses \$1800

The Finance Board has decided not to give the Lecture Series Committee \$1800 it was scheduled to receive in the 1959-1960 Activities Budget. Dick McDowell, '60, chairman of Finance Board, gave the reason for this action as LSC's excellent financial position. He noted that LSC was operating at a profit and had money in the bank, and commented that "very few activities are as well balanced as LSC". He said that withdrawal of funds was a recognition of LSC's financial independence; however, he added that a letter had been sent to LSC offering a reconsideration of Finance Board's decision.

When questioned, LSC chairman Marv Berlin, '60, stated that he had no comment, since the executive board had not yet met to consider Finance Board's action. According to LSC's proposed budget, they anticipated expenses of \$10,700 and ticket sales of \$8,900 this year, with the Inscomm grant supplying the difference.

Biography Due For Technique Directory

All Seniors who wish to be included in the Senior Directory of the 1960 Technique should return their completed biography forms to the Technique office, 318 Walker Memorial, either in person or via Institute mail, before Christmas vacation. These biography forms, used initially to compile the Senior Directory, are retained permanently in the files of the MIT Public Relations Department. In recent years, various industrial firms have purchased copies of Technique for use in contacting graduates regarding employment. Seniors who have not yet received biography blanks may obtain them by sending a card to the Technique office.

Seniors who have not yet been photographed for yearbook pictures may still do so by contacting Harvard Studio, the official yearbook photographer. Appointments will be accepted through December 15. After this date, no pictures taken will be used in the 1960 Technique.

Dean Brown Describes Proposed Changes In Curriculum and Teaching Methods

Barely one hundred persons were in Kresge Auditorium this Wednesday afternoon to hear Dean of Engineering Gordon S. Brown speak on "The Impact of the Ford Grant on MIT".

In his talk, Dean Brown explained the philosophy of the grant, and what accomplishments were presently anticipated. He stressed that no specific developments had been fully approved by any faculty committee, and that what he mentioned were only possibilities presently under discussion.

Brown began his talk by stating that an easily obtained job was not worth coming to MIT for, and would not make much impact on society. He said that he envisioned careers for MIT students that would "keep (them) awake at night," and that "maintenance men should not come to MIT." The type of engineer that should come from MIT, he said, was a "composer" who could creatively combine seemingly unrelated ideas; who could design a standard device, but see the possibility for a totally new device for doing the same job.

"We Must Question Whether The Organization Is Adequate"

Many curricula are too preoccupied in current techniques to educate such an engineer, according to Brown. He felt that courses should be more deeply and broadly based in science, that there should be less "compartmentalization", and that it should be possible to cross from one field to another. He added that this sort of reasoning was brought to the Ford Foundation's attention, and resulted in the grant.

Tau Beta Pi Ass'n Elects 40 New Members Scholarship, Character Basis of Choice

The Massachusetts Beta chapter of the Tau Beta Pi Association recently met and elected to membership 38 seniors and two honor juniors.

The purpose of Tau Beta Pi, the national engineering honorary, is to mark in a fitting manner those men who have conferred honor upon their alma mater by distinguished scholarship AND exemplary character. Distinguished scholarship, while the primary requisite for admission, is not the sole criterion. Once scholastic requirements have been fulfilled, selection is based upon integrity, breadth of interest, both inside and outside of engineering, adaptability and unselfish activity.

Before initiation, the newly elected men must familiarize themselves with the Tau Beta Pi Association — its history, ideals, activities, and its members. In addition, they must prepare an original essay on some area of their field or some topic of common concern.

Following the familiarization program the men will be initiated in a formal ceremony and be treated to a dinner-dance with their dates or wives.

Those elected were:

Seniors:

COURSE II

Raymond R. Ambrogi
Joseph A. Verderber

COURSE VI

Bryant K. Vann, Jr.
Henry D. Chadwick
Kenneth E. Hagen
John B. Edwards
Mark E. Jensen
Sherman Karp
Richard L. Greenspan

COURSE VI-A

Paul W. Jameson
Michel M. Goutmann
Paul Thompson

COURSE VI-B

James F. Janak
Robert E. Larson
Charles W. Rook, Jr.
S. James Allen, Jr.
William Larrabee IV

COURSE X

Charles A. Eckert
Malcolm D. Fraser
Marcellus C. Porter

Albert C. Dierckes, Jr.
Barry R. Bronfin
Gerald M. Litton
Jaime H. deSola
Robert M. Hodges
George Koo
George A. Schnabel

COURSE XIII-A

Robert J. Bosnak
Myron V. Ricketts
William D. Markle, Jr.
Eugene M. Avallone
Ralph G. Davis
Mozart P. deSouza
Keith B. Schumacher

COURSE XV

C. Ralph Buncher

COURSE XVI

Theodore C. Kraver
Thomas V. Brown

Course VI-A (5th year)

Ralph Alter
Alan V. Oppenheim
Juniors:
Peter R. Gray VI-B
Donald R. Hamann VI-B

Beopple to Conduct "King David" on Sun.



Robin Longanecker, recent graduate of the New England Conservatory of Music, who will sing the alto role in Honegger's "King David", December 13, in Kresge Auditorium.

"King David", Honegger's stirring oratorio combining soloists, chorus and orchestra with the biblical narrative of David will be presented Sunday afternoon in Kresge Auditorium by the Bennington College Chorus and the MIT Glee Club and Symphony Orchestra. Klaus Liepmann, professor of music, has asked Paul Beopple, who conducted the world premiere 38 years ago, to conduct Sunday's performance.

Robert Brooks, chairman of the Poets' Theatre in Cambridge, will be the narrator. Robin Longanecker will sing the alto role. Other soloists include Joyce McIntosh, soprano, and Donald Sullivan, tenor.

Tickets at \$1.00 and \$1.50 (all reserved) may be obtained from the Kresge Auditorium ticket office, Extension 2902. The performance will begin at 3 P.M.

Videro Presents Organ Concert Tuesday

Finn Videro, organist and composer at the Royal Conservatory in Copenhagen, Denmark, will present the first concert in the MIT Organ Concert series Tuesday evening, December 15, at 8:30, in Kresge Auditorium. Mr. Videro, who is currently on leave of absence to Yale University, has planned the following program:

Three Pieces for Organ
Dietrich Buxtehude
Prelude and Fugue in G Minor
Canzona in C Major
Ciaccona in E Minor
Partita: Meinen Jesum lass ich nicht
Johann Gottfried Walther
Offertoire sur les Grands Jeux

in G Major (from the Second Organ Mass)
Francois Couperin
Three Pieces for Organ
Johann Sebastian Bach
Toccata and Fugue in D Minor
Prelude and Fugue in A Major
Partita: Sei gegrusset, Jesu gutig

Tickets for the Series of three concerts are available to the MIT Community at the reduced price of \$3.00 through December 14. Subsequently the Series will cost \$4.00, the price being charged the general public. Single tickets for the Videro concert may be purchased for \$2.00 at the Kresge Auditorium ticket office, or call UN 4-6900, Extension 2902.

The \$9.5 million provided by the Foundation over a seven-year period would be used to endow new chairs and set up new courses in such interdepartmental fields as Energy, Communication, Transportation, and Environmental Planning. Many present courses are expected to change their presentation to include more basic science. A subject combining applied mechanics and aerodynamics has been suggested as well as a materials subject based on thermodynamics, statistical mechanics, and kinetic theory.

Some people in the Department of Chemical Engineering have suggested changing the emphasis of the course from a unit-operations concept to a kinematical rate-process concept. This might involve establishment of a new Center for Kinematical and Transport Processes.

Course X Revision

In response to a question from the audience, Brown elaborated on the function of an advanced research center, in connection with undergraduate education. He said that when a student can see the apparatus, listen to the jargon, and especially come in as a lab assistant to work on experimental problems, he comes to realize the relevance of certain particularly difficult subjects he may meet as an undergraduate.

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Another innovation being considered is a tutorial system of instruction in some subjects. Brown feels that it should not be too difficult to couple the undergraduates with an "active life of learning in research", and that only scheduling and organization present problems. In connection with this, there may be a re-evaluation of the purpose and definition of contact hours. \$1.5 million has been set aside for developing teaching aids and new educational laboratories.

Dean Brown also commented that he would very much like to meet with the students at some later date, once plans and programs have become more definite.

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The Remolding

As Dean Brown stressed, the responsibility of spending nearly ten million dollars is so large that it can barely have its surface scratched in the course of a little over an hour. Yet Wednesday night the affable Dean, in whose hands that responsibility rests, provided a meager undergraduate audience with a wealth of information on the implications of the coming expenditures.

His desire for more specific elaboration in the unprecedented speech was undoubtedly hampered by the fact that specific planning is still in the embryonic stages. Many problems have yet to be solved, for the transmutation of the technical education to more science and less contemporary problem-solving undoubtedly is still a very touchy point to the faculties of courses such as mechanical and civil engineering.

Those who listened carefully and who tried to paint a mental image of the MIT of ten years hence could not help but see the significance of Dr. Brown's words: "We want you to be revolutionary, to jolt the complacency out of our social system." At the beginning, such basic disciplines as thermo dynamics and engineering mathematics will be organized so they are applicable to engineers in any course. In the end, course structures such as we now know them may be demolished and new areas of study set up. The MIT engineer will be no less than the composer of the vast technical advancements that lie ahead. "He will be on the frontier rather than be in the caboose." But the abstraction of scientific disciplines will be tempered and complemented by the physical contact in laboratories, well provided for in the Ford Foundation cash.

All of these mean change; what some might term drastic change. A new MIT will be built almost before the underclassmen's eyes.

One of the most heartening aspects of the new program is the research that is to be done in the study of both teaching and learning. Here is an area that is yet virgin soil and one that may well provide for the most basic advance of all. A few years back Dr. Edwin Land, of the Polaroid Corporation, gave a lecture advocating a "generation of greatness" which would result from a totally new concept of the American University with radically changed methods of communicating knowledge and thought processes to its students. MIT now is in a position to put to good use many of his ideas.

It is, in a way, too bad that Dean Brown speaks so calmly, for he is undoubtedly afire with enthusiasm for the educational structure which he will lead in building. Yet his flowing speech belies, to the attentive listener, much of the flame of creation which he holds. One cannot help but sense after listening only for a few minutes, that the man who is talking is speaking of a thing which he is living; and that as MIT changes and moves forward, the advance is led by a man of stature and competence.

"The Solution to This Problem Is Left as an Exercise . . ."

It was a deplorable situation. A little story we have heard may sum it up. "One day a faculty member, who was in charge of a course, decided to visit with students in a classroom situation. He walked to the first room where a class was in session, entered, tapped a student in the back row on the shoulder and asked him 'Why are you studying this?' The student, giving a cursory glance over his shoulder, replied 'Shut up, we're working a problem.'"

Evidently less than three percent of the MIT undergraduates care. Kresge, with a capacity of only about one-third of the student body, was indeed a bleak shell for Dean Brown's speech. Standing outside on that chill Wednesday evening, one could see crowds of students, books in arms, heading for the warmth and seclusion of their dormitory and fraternity house rooms; occasionally one would break from the group and come up the steps to Kresge. Most went home to work problems; only a few were interested in devoting an hour or so of their time to hear of the great changes which will, in so short a time, revamp their education.

Last year ten percent were interested enough to attend Dr. Stratton's talk to the undergraduates. It is beginning to look as if he attracted a respectable turnout. But then what could be more important than solving that problem?

review

Henry IV

Luigi Pirandello's massive Henry IV was opened at MIT's Little Theatre this Wednesday night and the unfortunately small audience was treated to one of the finest dramatic productions ever to appear at Tech.

The play, one of the most difficult to produce both from an acting and technical viewpoint, is one of the Twentieth Century's psychological masterpieces, and it must have taken a great deal of courage to have chosen it. This reviewer was, in fact, a bit sceptical as to the possible quality of its performance by a college group but once again Joseph D.

Everingham, Tech's Director of Drama, has turned out a performance the sum of which is far greater than its parts.

Arthur (Buck) Rogers, '61, was excellent as Henry, a part which is as difficult in exposition as it is huge in size. Mr. Rogers had more lines than the rest of the cast combined, yet managed to keep audience interest through page after page of well modulated monologue, a feat which few of our professional actors seem able to accomplish today.

Joan Tolentino, as the Marchioness Matilda, gave a competent and highly believable performance as did Michael Meeker (G), who was the Baron Tito Belcredi right down to his suave and polished fingertips. The supporting players rounded out the performance quite adequately.

The technical aspects of this production were handled with a sensitivity and awareness of mood far above college production level. David Paul's, '60, sets were very effective and well deserved the applause they received, and the costumes designed by Paul Brumby, '60, with lighting by Earl VanHorn, '61, took the audience from a moonlight scene in Eleventh Century Saxony to the hard light of an afternoon in Twentieth Century Italy.

Henry IV is a rarely performed play, and this fact coupled with the fine performance by our Dramashop should send as many of you as possible hurrying off to buy tickets for the remaining performances. (Through Saturday, December 12.)

B.J.

moratorium

Wednesday's colloquium, "A Moratorium on Technology", was not only provocative, it was rather disturbing. On the one hand it was encouraging that a critical discussion of the value of ever-advancing technology could take place on, so to speak, its home grounds. On the other, it was disappointing that the lively difference of opinion which emerged was inspired less by divergent views on how to attack a problem which was mutually understood than by an undertone of disagreement about the dimensions of the problem itself. Each panelist brought his own conception of the most dangerous aspect of modern technology and the aggregate of these, as a measure of the issue's magnitude, was most disturbing.

For Professor Feld, of the physics department, scientists and technical people in general have a mandate, as political decisions depend more and more on technological factors, to bring the facts to the attention of decision makers. A moratorium, or judicious braking of technological advance in order to allow humanity's power of control to catch up is for him out of the question first because it is impossible and second because technology per se has brought more good than bad to mankind. His feeling is, I believe, that the things which make technology evil for some people are not in essence technological, and that science and engineering are comparatively innocent in the matter. He also pointed out that scientists are not unaffected by the problems created by their brainchildren and cited a potential three-way conflict of loyalties between a scientist's responsibility to his discipline, to his country, and as a "citizen of the world".

Professor Wiener, a founder of one of the most awesome areas of modern technology, cybernetics and the science of logical machines, seemed very alert to the social consequences of his and others' work. He pointed out that machines are now able to learn from experience and, in a sense, to know more than was initially fed them. Because of this, the machines are no longer under man's complete control and when entrusted to make certain kinds of decisions will be false to the intentions of their programmers. The machines are dangerous to the extent that they develop presuppositions which differ from those of the

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people who use them. He fears that we will reach a stage where we do not know completely what the machine is doing, where it is going, and how to direct it. A good deal of discussion centered around a scientist's obligation to bring his discoveries — for example Dr. Wiener's cybernetics — to light, regardless of their consequences.

Technology for Professor Mumford, who is visiting in the department of architecture and city planning, is all right in its place, but he sees a "crust" of technology spreading into areas where it is neither necessary nor desirable. His particular concern is with the problem of the cities and he maintained that, rather than build more freeways and arteries to accommodate more cars, the "best way to move 100,000 people in a half-mile radius is to make them use their legs." More generally, he believes that technology's evil is that by the twentieth century it has begun to feed on itself, that its purpose is no longer rooted in human goals but in technical ones, and that machines have become their own justification. He finds this a situation of immense instability, and less of control. An unremittingly technological society is bound to be inhuman, he believes, because such a society lacks the equilibrium-restoring forces which make up the human organism. As to the validity of a continuing faith in technological progress, Professor Mumford remarked that a profusion of bridges and aqueducts did not save the Roman Empire from stagnation and decline. He also pointed out that the glory of fifth century Athens depended on the universality of each citizen and not on his specialization.

Because Professor Lerner, who is with the Center for International Studies, was moderator it was difficult to obtain a coherent picture of his views. He did seem to be enthusiastic for the prospect of machines making human decisions, called today's irrational politics the real evil, and acknowledged that the Russian threat intensifies but has not created the problem.

Professor Feld, then, was concerned with the scientist's responsibility and the effect of technology on society as a whole, but not so much, apparently, with the problems it may present for non-scientific individuals from a psychological and sociological viewpoint. Professor Wiener wants to control technology for human ends and in this Professor Mumford would concur. But Professor Mumford's remarks carried the hint of a larger concern which unfortunately was evident only by implication. For him technology is of human origin and subject to human control. But precisely because it is of human origin its inordinate expansion is symptomatic of a deeper trouble in society. For him the view that technology is a wild and independent steed which must be tamed is only close to the point. The disproportionate growth of technology must mean a disharmony in man himself.

SWW



A column of incidental intelligence by Jockey brand.

"APPLE OF THE EYE"
For this overworked phrase, we must turn to the world's richest source of quotations—the Bible. Specifically, the Old Testament, Deuteronomy, XXXII, 10: "He kept him as the apple of his eye."



"ALL IS NOT GOLD"
Seems like everybody had a crack at this piece of homely philosophy, but the originator seems to be Geoffrey Chaucer, in "The House of Fame", Book I: "Hyt is not all gold that glareth"



"COUNT 10..."
Was there any limit to the talents of Thomas Jefferson? Statesman, scientist, architect—he also authored this admonition: "When angry, count ten before you speak; if very angry, a hundred."

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Cosmic Rays Studied in Bolivia

Exactly 4200 miles due south of Boston, at a high, isolated field site, MIT scientists are gathering information on cosmic rays.

The site is 15 miles out of La Paz, Bolivia, and 2,000 feet above the lofty (12,000 feet altitude) city in west-central South America. It is one of a few places in the world where high-energy cosmic rays are recorded and studied.

For the past several years, MIT's Laboratory for Nuclear Science has been conducting research on the origin of cosmic rays. Part of the program is a project which involves recording the electronic impulses made in the atmosphere by certain high-energy cosmic rays that are thought to travel an erratic path over millions of light years of our galaxy before reaching the earth. The means of measuring these particles is known as the "Air Shower Experiment."

Grant From National Science Foundation

The MIT group, headed by Dr. Bruno Rossi, will continue research in this field for the next three years, aided by a recent grant of \$176,000 from the National Science Foundation.

The earth is constantly bombarded by cosmic ray particles. Every second, billions of billions of these particles plunge into our atmosphere. The vast majority are protons (hydrogen nuclei) having energies of a few billion electron volts, or about as much as the most powerful man-made "atom smashers" can produce. For some unexplained reason, a small fraction of the rays produced somewhere in outer space achieve energy that is a billion times greater than average. Studies of these recorded particles may furnish a key to the unsolved puzzle of cosmic radiation. This will open new areas of knowledge in astronomy and nuclear physics. It may even furnish man a new concept of the size and shape of the galaxy in which our solar system occupies a tiny volume.

COSMIC RADIATION
 Enter At Your Own Risk



Latest additions to MIT staff: Mrs. Sylvario Mammani and papoose.

Counters Used

The method involves placing a number of "catching tubs" over an area in a specific pattern. At the La Paz site, 11 "tubs" are used in star-like formation on 200,000 square meters of land. Each tub contains a plastic scintillation counter shaped like a small millstone, about four inches thick and a yard in diameter to sample the electrons and other charged particles produced high in the air by the high energy cosmic ray. In the center of the counter is a hole containing a photomultiplier tube. When a charged particle passes through the plastic, it causes a little splash of light which is counted electronically. The intensities of the light-splashes are later determined and punched on cards and the cards are returned to MIT where data is analyzed on the IBM 704 computer in the MIT Computation Center.

Grad Student on Project

Dan Scott, a 29-year-old Texan expects to receive his Ph.D. degree in physics next June, following two years as a research assistant in the Laboratory for Nuclear Science working on the cosmic ray project. His specialty is preparing programs for computer analysis of the air shower data. Scott works with Professors Bruno Rossi, George Clark and Stan Olbert.

"The experiments at La Paz and other field sites are unapplied research," Scott explained. "We are obtaining information without knowing in advance what we are going to do with it. We expect to increase our knowledge of the galaxy (Milky Way), and certainly should obtain a better idea of the origin of cosmic radiation and of the nature of extremely high energy nuclear reactors. But there is no hint that we will find a specific use for cosmic rays, such as a new source of power, an advanced type of propulsion, or a better method of communication."

Results Processed at Tech

"Most of the work is carried out efficiently in La Paz under Hersil," Scott said. "The girls read the recorded films right in the laboratory. They have been trained to read oscilloscopes, and are able to catch many errors on the spot. They punch cards as they read the film, and then the cards are air-mailed to MIT where the data is analyzed by the IBM 704 computer. Processing the counting of the high energy cosmic ray showers by hand would take a few days for each shower, and we get more than a dozen in an average day. At the MIT Computation Center, it takes less than one minute to process the information obtained from eight showers."

Watchman Entered Project

Even an Indian watchman at the site became interested in cosmic ray studies, Scott said. "Although he has no formal education, our watchman, Sylvario Mammani, actually learned to read the fast oscilloscope at the project. We discovered on a number of mornings that their positions had been shifted and eventually found that he had learned the normal wave forms and counting rates, in order to avoid unnecessary two-mile trips to telephone the project supervisor when something appeared wrong."

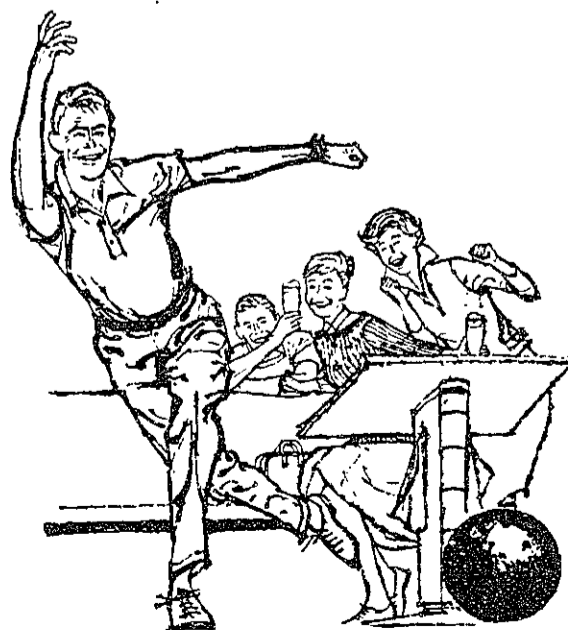


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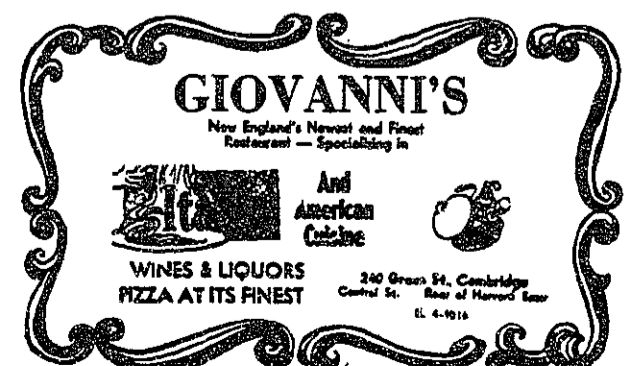
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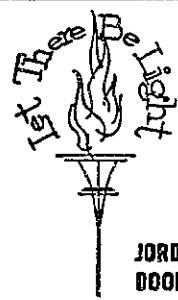
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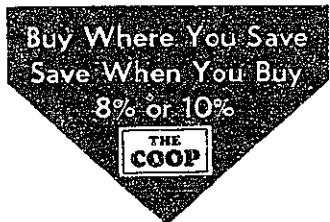
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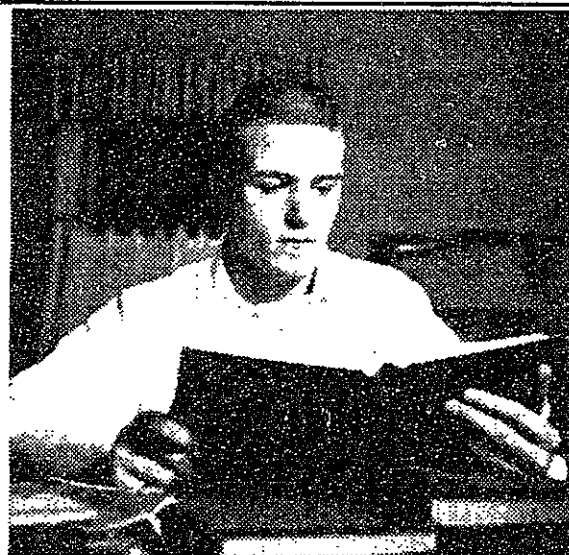
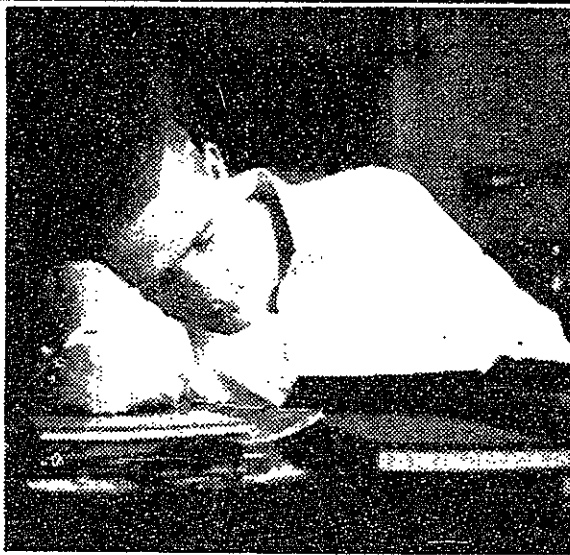
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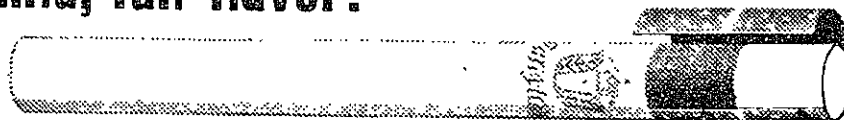
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SENIOR WEEK
The Senior Week Committee is accepting applications for the junior representative to the committee. Any interested members of the class of 1961 should contact Mark Pratt at Phi Delta Theta (Extension 3206).

MIT Dramashop
presents
"HENRY IV"

by Luigi Pirandello

Little Theatre,
Kresge Auditorium

Tonight
and
Tomorrow Night

8:30 P.M.

Admission \$1.00

Tickets UN 4-6900, Ext. 2902

Directed by Joseph D. Everingham

TMRC Open House Saturday

It's full steam ahead for the Tech Model Railroad Club this Saturday when the clubrooms will be opened to all members of the MIT Community. TMRC's Open House, scheduled for 2:00 to 5:00 on Saturday afternoon and 7:00 to 10:30 Saturday night, is an annual affair held every December.

The layout in 20E-214 and 216 is one of the country's largest. The Club's HO gauge layout is built on a scale of 1/8 inch (3.5 mm) to the foot and operates five trains at once out of the two train yards on the main line. With the 1000 relay control system, operation is almost automatic at any position on the main line.

The entire layout will be in full operation for the Open House, as will TMRC's answer to the MTA — the trolley.



John Pryke and Peter Samson with TMRC layout.

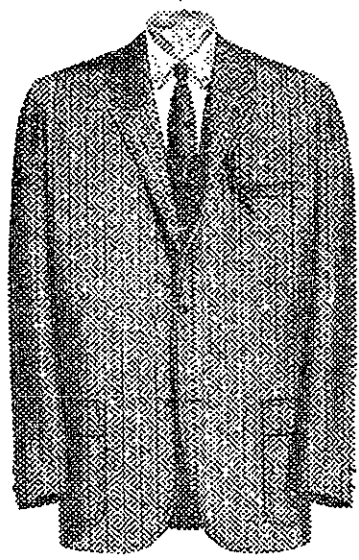


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LIL ABNER COMES ALIVE

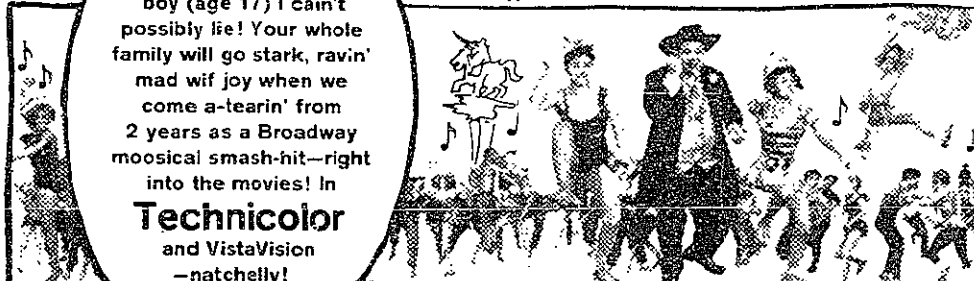


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As a 100 per cent red-blooded American boy (age 17) I can't possibly lie! Your whole family will go stark, ravin' mad wif joy when we come a-tearin' from 2 years as a Broadway moosical smash-hit—right into the movies! In **Technicolor** and **VistaVision** —natchelly!

AND (pant!) GIRLIEST SHOW



HOLLYWOOD EVER WHOMPED UP!

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Happy Songs!
"Jubilation"
"T. Cornpone"
"Namely You,"
and many more!

COMING SOON TO YOUR FAVORITE THEATRE! Watch For It!

WTBS

PROGRAM SCHEDULE

Friday	
7:30-8:45 A.M.	Rise and Shine
5:00 P.M.	Caravan
6:00	Jazz
7:00	Fiesta
8:00	Baton Society
8:50	News
9:00-2:00	Nite Owl
Saturday	
5:00 P.M.	Jazz
7:00	Show Music
8:50	News
9:00-2:00	Nite Owl
Sunday	
4:00 P.M.	Sunday Serenade
7:00	Folk Music
8:00	Jazz
8:50	News
9:00-1:00	Classical Music
Monday	
7:30-8:45 A.M.	Rise and Shine
5:00 P.M.	Caravan
6:00	Jazz
7:00	Bob Nagro Show
8:00	Potpourri
8:30	Campus News
8:50	News
9:00-1:00	Classical Music

Engineers To Have Big Weekend; Seven Varsity Teams In Action

This weekend will see fourteen athletic events for Tech's varsity and freshman teams. Heading the list is a varsity basketball game with Harvard in Rockwell Cage at 8:15 P.M., on Saturday. Both teams have lost their first game, Tech to Trinity and Harvard to Wesleyan. Earlier that evening, at 6:15 P.M., both teams' freshman squads will take the floor.

Squashmen to Play Army, Navy

A big weekend is ahead for the squash team. Both Navy and Army are on their calendar. Friday at 2:00 P.M. the Beaver squad will take on Navy, here at Tech at the DuPont Courts. Saturday both the freshman and varsity teams will travel to West Point where they will meet Army at 2:00 P.M. Both matches should be close ones.

Swimming Meet Here

The varsity swimming team will meet Bowdoin here at the Alumni Pool on Saturday at 2:00 P.M. The frosh aquamen will travel to Army, along with the squash team, where they will have an encounter at 2 P.M.

A double meet with Boston College will see both the freshman and varsity thinclads encircling the track in Rockwell at 1:00 P.M. Saturday.

The frosh stickmen will meet the Browne Nichols hockey team here in a night encounter, Saturday at seven.

Wrestlers at Wesleyan

Traveling to Wesleyan on Friday will be the varsity wrestlers, where they will meet the Cardinals at 3:30 P.M. The yearling matmen will also make the trip to Middletown, meeting the Wesleyan team at 2:00 P.M.

The Weightlifters will meet the RPI musselsmen at Troy on Saturday afternoon at two.

Rounding out the competition for the weekend will be the MIT rifle team which shoots against Norwich and Harvard in a triangular meet at Norwich, Saturday morning at ten.

Students Respond To Tackle Football; Pros and Cons Shown In Letters

In response to a recent article in *The Tech* concerning tackle football, the Sports Department has received several letters. Due to limited space, the staff is unable to publish all the letters received, but we feel that the following are quite representative of both sides of the question.

November 20, 1959

The Tech
Sports Editor
MIT

Dear Sir,

I would like to speak in favor of organized intramural tackle football at MIT. It is, I feel, more fun, more exciting, a better game than the present touch game, and with the proper protecting equipment will actually reduce the number of injuries. Such a program can be run concurrently with touch football; it can be quite successful, spirited and stimulating with proper management, officiating and wholesome attitude on the part of all concerned.

I do realize, however, that serious thought and planning must be devoted before the initiation of any such program.

Sincerely yours,
George P. Koo
East Campus

Room 52-560
X2929

November 24, 1959

The Tech
Sports Editor
MIT

Dear Abe,

Having read your article in the Tuesday, November 24, issue of *The Tech*, I must say I am inclined to agree with your reasons for not being in favor of having an intramural tackle football team here at MIT.

The solution in my opinion is quite simple. For those students desirous of playing tackle football on an intramural level, we could initiate a game that costs "nothing" and which is really somewhat safer than the proposed game of tackle. Rugby fits the bill quite well. There is present the element of body contact along with the desirable feature of little cost. In addition, Rugby is not any more "dangerous" than tackle football. True, it may seem rougher because no equipment is used, but the fact is that very few people get hurt by it. The reason for this is probably due to the fact that there is no blocking in the game.

So far as enjoyment of the game is concerned, I am quite confident that most of the ruggers who have played football also will agree that Rugby is the better sport.

Sincerely yours,
Donald Aucamp

The Athletic Association recently sent questionnaires concerning the merits of tackle football to all the living groups. Thus far, however, only a few have responded.

On Deck

Friday, December 11	
Varsity Squash with Navy	2:00 P.M.
Freshman Wrestling at Wesleyan	2:00 P.M.
Varsity Wrestling at Wesleyan	3:30 P.M.
Freshman Hockey with Browne Nichols	7:00 P.M.

Saturday, December 12	
Rifle at Norwich	10:00 A.M.
Indoor Track with BU (V & F)	1:00 P.M.
Varsity Swimming with Bowdoin	2:00 P.M.
Freshman Swimming at Army	2:00 P.M.
Freshman Squash at Army	2:00 P.M.
Varsity Squash at Army	2:00 P.M.
Freshman Basketball with Harvard	6:15 P.M.
Varsity Basketball with Harvard	8:15 P.M.
Weightlifting at RPI	

KOOL ANSWER

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Kresge Little Theatre

Friday December 11 12:25

With John DeBrine

Sponsored by MIT

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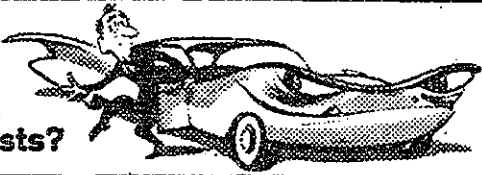
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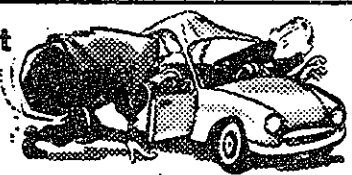
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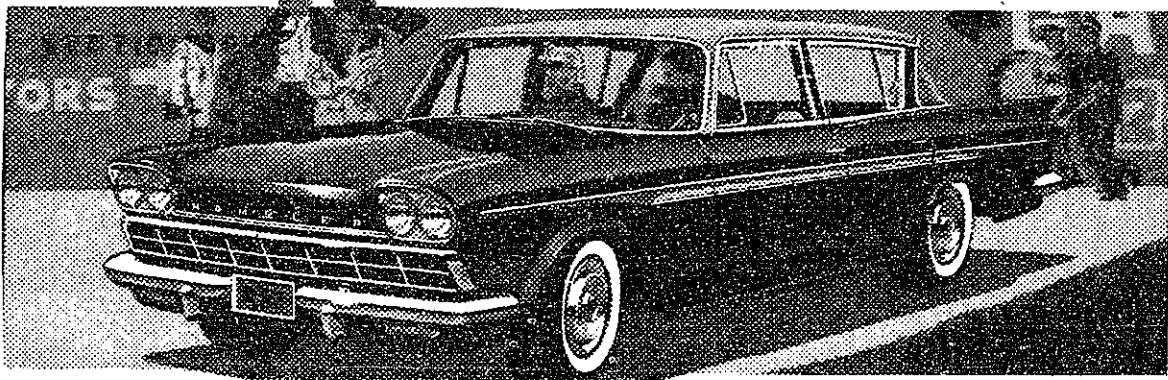
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100-inch wheelbase
RAMBLER AMERICAN 4-DOOR SEDAN
\$1844
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No. 11

ACROSS

1. Chorus girl
8. Opposite of a seeker
13. Part of an airplane wing
14. Almost remote way to act
15. Likes blondes better, for instance
16. Come all the way up to Kool's Menthol
17. Shape of diamonds or tones
18. These boats take guts
20. This can be constricting
21. Sleepy gas
23. Gin
24. Wrist operation
27. Dig it all—well, almost all
29. Guy in "Guys and Dolls"
31. Take out, but not on a date
32. Meanwhile, back at the Latin class
34. Proboscised
35. Thunderbird's Papa
36. A kind of walk
38. Little Florida
39. It used to come before plane
40. This is legal
42. A lot of sailor
44. This is how Bardot comes in
45. de France
46. Classroom resting places
47. Kools are the refreshing

DOWN

1. L'I Abner's creator
2. What this gun is for
3. Genus of olives
4. Kool's Menthol Magic leaves you more
5. Cockney way of saying 2 Down
6. Cold hand at bridge?
7. Followed Sue?
8. They hang on to skirts
9. little teapot
10. Mouthfuls of frankfurter?
11. Bleach
12. Remembered—her phone number?
19. Kind of iron
22. Them hills
23. Venus' home town
24. Cried in a ladylike way
25. Oil from wool for your hair
26. Magnetizes men
28. Mr. Autry
30. Kools have a very flavor
33. Pop tune of the 20's
37. Time for a change? Smoke
39. Roscoe
41. It rhymes with jerk
43. Alpha's last name

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When your throat tells you it's time for a change, you need a real change...

YOU NEED THE
Menthol Magic
OF **KOOL**



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Pi Lambda Phi Ranked as Favorite Senior House Runs Up 104 Points

Pi Lambda Phi heads the list of would be finalists as the Intramural Basketball season draws to a close. The Pi Lams boasting a spotless record will carry the League I banner into the playoffs.

Grad House A seems to be the top squad in League II. The Grads, also undefeated, have a balanced attack and rate as a strong contender for the crown.

The championships of Leagues III and IV have already been decided with Lambda Chi Alpha and Phi Kappa Sigma holding the honors.

Other leading contenders for the Intramural championships are Sigma Chi, Baker House, and Alpha Epsilon Pi. All three of these teams have yet to taste defeat. However, Baker and AEPI are in the same League and meet each other in the near future.

Sixteen teams will compete in the finals. These will consist of the top two squads in each of the eight Leagues. A drawing will be held in the near future to determine playoff positions.

Varsity Simmers

Rout Tufts 63-19

In Season's Opener

The opening swimming meet against Tufts was highlighted by many substitutions which were made to determine the depth and versatility of the team. The results were quite surprising.

Topping the surprises was the performance turned in by Roger Cooke, '62, in the butterfly. Cooke, normally a top freestyler, swam as an unofficial third man. Meanwhile Tony Silvestri, '61, the usual butterfly swimmer, switched from butterfly to turn in a good time in the 440 yd. freestyle.

To add to the confusion, Burnell West, '60, the team's leading man in the breaststroke, swam as a freestyler and posted a time of :57.1. However, not everyone managed to change. Dave Stein, testing his strength, turned in his best time in the 200-yard free.

Senior House Routs Commuters

A Senior House hoop squad that has improved tremendously week by week established what may be an all-time MIT intramural scoring record in defeating the NRSA 104-20. Spearheaded by the sharpshooting of Tom Traylor, '61, who scored 47 points, the Senior House team captured its fourth and most lopsided victory of the season and now rates as a darkhorse in the title race.

In previous games they had defeated Phi Delta Theta by the score of 89-23, Burton House "C" 49-16, and Delta Tau Delta, 54-17. In Tuesday's game, however, four men pitched in with at least ten points each, and this plus top rebounding produced the rout.

LEAGUE STANDINGS

	Won	Lost
LEAGUE I		
Grad House A	3	0
Sigma Nu	3	1
Dover Club	1	2
Burton B	1	2
Club Latino	0	3
LEAGUE II		
Pi Lambda Phi	3	0
Burton A	1	2
Beta Theta Pi	1	2
Apartment	1	2
Delta Upsilon	1	1
LEAGUE III		
Lambda Chi Alpha	5	0
SAE	4	1
Phi Kappa Theta	2	2
Baker B	2	3
Tau Epsilon Phi	1	3
Tankroom 5	0	5
LEAGUE IV		
Phi Sigma Kappa	5	0
Chemistry Dept.	4	1
Theta Chi	3	2
Theta Xi	3	2
Delta Kappa Epsilon	2	3
Baker C	1	4
LEAGUE V		
Senior House	4	0
Theta Delta Chi	3	1
Phi Delta Theta	3	1
Delta Tau Delta	2	2
N.R.S.A.	0	4
Burton C	0	4

Beaver - Crimson Basketball Game; Old Rivalry Renewed Sat. Evening

By C. H. Kaiz

Tomorrow evening at 8:15 the Beaver cagers will run up against the Harvard quintet in their opening home appearance of the season. The action will take place in Rockwell Cage which has been fitted with a new basketball floor for use during the 1959-60 season. Also, for the spectator's pleasure, there are new seating arrangements.

The team opened their season with a loss to Trinity last Saturday. Although set back by the 79-58 blasting, they have been carefully coached by Jack Barry and have tightened up their defense, while speeding up their offense. As an added check of the squads preparedness, they met Northeastern Wednesday evening.

The MIT-Harvard game is one of strong tradition between two long time rivals. In the past the game has always been met with enthusiastic support. Last year the two teams played rather late in the season and the Crimson triumphed 72-56 over the faltering Maroon and Grey, who finished the schedule with a dismal 3-13 record.

This year the game is being held early in the season, against a Harvard team that bears little resemblance to their predecessors. They succeeded in dropping their first game to Wesleyan and it appears that they have not as yet attained their usual coordination and speed.

MIT, on the other hand, has a new coach who has been leading the team through its paces and really giving the squad a work out. One of the biggest problems the coach faces is the fact that there is only one returning letterman, Captain Hugh Morrow, '60, who is turning in an excellent performance.

The Beavers have many exciting prospects including John Crissman, '61, Ted Hallee, '60, Al Gaston, '61, and several sophomores, all of whom will probably see action against Harvard.

All in all the MIT-Harvard game will certainly be action packed, and remember, admission is free.



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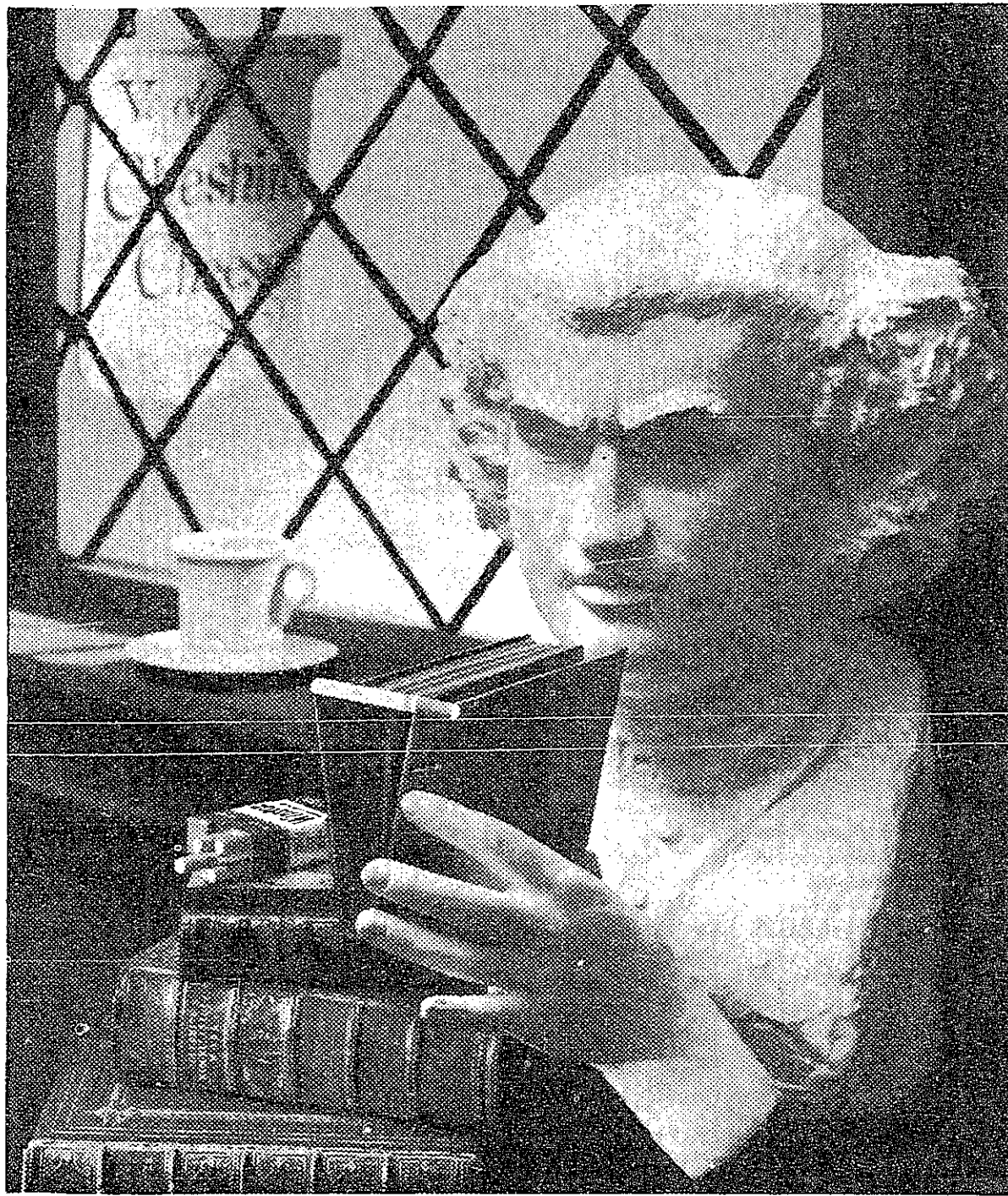
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Dr. Johnson turns another elegant phrase:



Sir, if it hasn't got it there, it hasn't got it!

Old Dr. Sam has done it again—brought his dictionary up to date in terms of modern Winston usage.

Winston (win'ston), n. A cigarette with Filter-Blend on one end and a wise man on the other.

Taste (tāst), n. What decorators argue about and Winston smokers enjoy.

Filter-Blend (fil'tēr-blēnd), n. A happy marriage of art and science. Light, mild, flavorful tobaccos are artfully selected, then scientifically processed for filter smoking.

Slogan (slō'gān), n. (e.g., Winston tastes good like a cigarette should). A statement of disputed grammar but unquestioned fact.

Front (frūnt), n. (used in conjunction with the preposition "up"). The section of a filter cigarette where if it hasn't got it, it hasn't got it. Also, the section that counts, the section where exclusive Filter-Blend is to be found.

Boswell (bōz'wēl), n. Nickname for a guy who is always hanging around to cadge Winstons from you.

"There is nothing which has yet been contrived by man by which so much happiness is produced . . ."

Boswell's Life of Dr. Johnson, Vol. 1, Page 620

SKIERS' SPECIAL PACKAGE PLAN
the low cost way to ski

You get 2 nights' lodging, 2 breakfasts and 2 dinners. Special skiers' menu. Total cost per person in twin-bedded room with bath in the Inn as low as \$22. \$16 per person in the Chalet. These rates will not be available from December 30 to January 3.

Write for further information to Dept. H

Eastern Slope INN

North Conway, New Hampshire
Charles (Pete) Pinkham, President
Phone Fleetwood 6-5533

Henry IV Opens



Henry IV and his electric scepter. (Note plug connection in lower left corner). See Review on Page 2

Pershing Rifles Pledge

The Pershing Rifles are having their pledge week this week. Smartly uniformed candidates can be seen around the campus each day carrying white wooden rifles on the shoulders. Drills are held each day. The names of those accepted will be announced sometime today.

Negotiations have been made by the Pershing Rifles to bring Sabicas, the famous flamenco guitarist to MIT sometime in January next year. It is expected that arrangements will be finalized sometime in the near future.

On January 10th, twenty four members of P.R. will give a drill exhibition in honour of the Jewish war veterans.

Band Concert Tonight

The MIT Concert Band will present its annual fall concert this evening at 8:30 in Kresge Auditorium, John Corley conducting. The program is free and open to the public.

The program, consisting entirely of original works for band, will open with Percy Aldridge Grainger's "Lads of Wrampthray," followed by the Boston premiere of "Vermont Overture," by Jack Sirulnikoff of Bennington College, Vermont and Gustav Holst's "Hammersmith," "Jericho," by Morton will precede intermission.

The second half of the program will be occupied with the complete "Symphony for Band" by Thomas Beversdorf.

WOLFGANG HAS GASTROENTERITIS (by popular demand)

News Flash!

From Wolfgang's bedside comes this cryptic quote: "Be sure to tell them to pay up their health insurance".

WANTED

MIT Students to wear our tuxedos at all your proms. Brookline Formal Wear — 392 Harvard St., Brookline — AS 7-1312.

RIDE WANTED: Christmas ride wanted to Baton Rouge or New Orleans for two people. Will share driving and expenses. Leave as early as Wednesday night. Contact Larry Pitts at Extension 3203.

RATES REDUCED

SBL Yes, the Savings Bank Life Insurance people have done it again — have **REDUCED** rates on many policies of \$3,000 and over. This makes the cost of the best protection even lower. Ask for free folder showing how you can get more protection at **LOWER** cost. Cambridgeport Savings Bank Right In Central Square — UN 4-5271 Savings Bank Life Insurance

TCA Established In New Offices; Plans Skeptics Seminars

The Technology Community Association, which began its move to its new offices over Thanksgiving, was completely established there this week. The new offices in Tyler Lounge in the entrance to Walker Memorial offer more space, which TCA hopes will allow better services.

In particular, TCA reports that its mimeographing service has seen great expansion, while its other services — book exchange, social services, publications, theatre reservations, etc., — have continued in wide use.

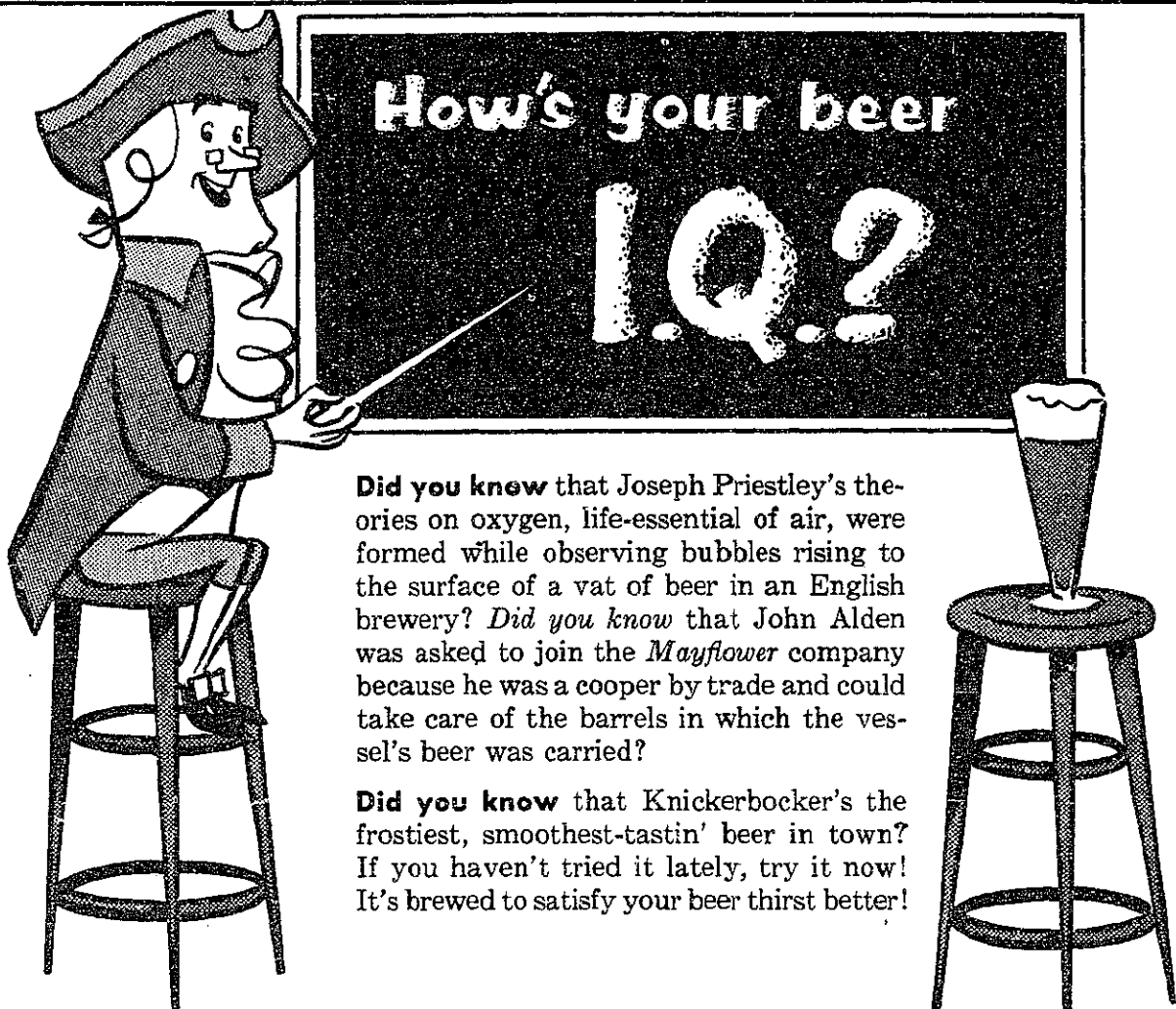
Skeptics Seminars Planned

The Skeptics' Seminar series of forums has been announced by TCA for the next few weeks. Professor Bator of the Economics Department will speak on "How Much National Defense Can We Afford". Later, Professor Bloomfield of the Political Science Department will speak on "The Politics of Outer Space."

TCA has also reported the results of the Charities drive, which formally closed several weeks ago. \$1900 was collected, which was below TCA's goal. However, some additional funds are still being received.

SOPHOMORES

Attention Class of '62, Victors of Field Day '59, Hackers of MIT — Become **AWARE**. Like a Sour Hour for Sophomores at Sammy House, 222 Babcock St., Saturday, December 12 — 4:30. This event to precede Harvard-MIT basketball rout.



Did you know that Joseph Priestley's theories on oxygen, life-essential of air, were formed while observing bubbles rising to the surface of a vat of beer in an English brewery? *Did you know* that John Alden was asked to join the *Mayflower* company because he was a cooper by trade and could take care of the barrels in which the vessel's beer was carried?

Did you know that Knickerbocker's the frostiest, smoothest-tastin' beer in town? If you haven't tried it lately, try it now! It's brewed to satisfy your beer thirst better!

RUPPERT

Knickerbocker

First in sales because it's first in taste!

JACOB RUPPERT, N.Y.C.

LUCKY STRIKE presents

Dear Dr. Frood:



Dr. Frood, Ph.T.T.

DR. FROOD'S MORAL OF THE MONTH

Things worth having are worth working for. For example: If you want a football letter, find a football player and ask him to write you one.

Dear Dr. Frood: I'm flunking everything but math. I get D in that. Help me. (Name withheld by request)

Dear Withheld: Spend less time on math.

Dear Dr. Frood: I go steady with two girls—one in the dorm, one in the Theta house. Traveling between the two places is making a wreck of me. What to do? Tired

Dear Tired: Get your girl to get your girl into her sorority.



Dear Dr. Frood: I have a ravishingly beautiful girl in my class. Sadly, she is witless. Should I flunk her? Bookish

Dear Bookish: Pass her. Other professors are waiting.

DR. FROOD AND THE AMAZING NEW FILTER



I had occasion recently to study the remarkable "no smoke" filter made of solid lead. No matter how hard you puff, you get no smoke. Incidentally, a pack of these cigarettes weighs 2 pounds. Luckies weigh less . . . and you get smoke. The best.

Dear Worried: If I were a 35-year-old freshman, I'd wear a mask.



Dear Dr. Frood: Nobody likes me. Girls despise me. Men can't stand me. Prof's detest me. Dogs snap at my cuffs. What should I do? Hated

Dear Hated: Don't ask me. I don't like you, either.

Dear Dr. Frood: I'm a non-conformist. But I smoke what everybody else smokes — Lucky Strike. How can I be different and still smoke Luckies? I. M. Odd

Dear Mr. Odd: Light both ends of the Lucky and insert a straw into the middle. Sip the smoke through the straw and say "wildsville" after each puff.

COLLEGE STUDENTS SMOKE MORE LUCKIES THAN ANY OTHER REGULAR!

When it comes to choosing their regular smoke, college students head right for fine tobacco. Result: Lucky Strike tops every other regular sold. Lucky's taste beats all the rest because L.S./M.F.T.—Lucky Strike means fine tobacco:



TOBACCO AND TASTE TOO FINE TO FILTER!