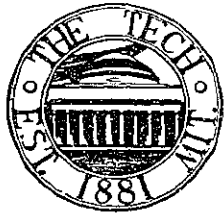


The Tech



NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXVIII NO. 50

CAMBRIDGE, MASSACHUSETTS, FRIDAY, DECEMBER 12, 1958

5 CENTS

Engineering Educat. Effectively Integrated Into USSR Economy

Engineering education of sound quality, as effectively integrated into the planned economy of the Soviet Union was one of the major observations of the eightman mission of American engineering educators who returned this week from three weeks of study and inspection in that country.

Leon Trilling, associate professor of aeronautical engineering was among the group.

In their preliminary report to the State Department, members of the mission called attention to the dynamic character of Russian engineering education, the continuous process of re-evaluation affecting it, and the ability of this controlled system to adjust to the inevitable variations in personal capabilities at both the student and faculty level.

The mission was sponsored by the American Society for Engineering Education and the National Science Foundation with the cooperation of Engineers Council for Professional Development. Its chairman was Dr. Frederick C. Lindvall, chairman of the Division of Engineering at Caltech; Professor Newman A. Hall, head of the Department of Mechanical Engineering at Yale University was secretary.

This mission was initiated by the Department of State under an agreement with the Soviets for the exchange of scientific and cultural delegations. A comparable Soviet edu-

cational mission is expected to visit this country in February, 1959.

Members of the American delegation visited 25 teaching and research institutions in Moscow, Leningrad, Kuibyshev, and Frunze. The last is the capital of the Kirgiz Soviet Socialist Republic, situated on the border of China—some 2100 miles south-east of Moscow.

Educational Master Plan

"The whole economy of the U.S.S.R. is integrated into a broad plan administered by an agency known as GOSPLAN," the report says. "The formulation of the portion of the master plan related to engineering education is the responsibility of the

(Continued on page 3)

Samuelson Receives Special Book; Economics Sales Pass Half-Million

Paul A. Samuelson, Professor of Economics, was recently honored with a gold-stamped edition of his *Economics*. Curtis Benjamin, President of McGraw-Hill Book Company, New York, presented the leather-bound volume to Professor Samuelson at a New York luncheon in celebration of the half-million copies of the text which have been sold in this country since 1948.

The 14.01-14.02 textbook has been translated into French, German, Spanish, Italian, Portuguese, Polish, and Hungarian; and has been pirated in Arabic and Korean. Nearly 50,000 American editions have been sold in Japan alone, and many other Asian countries have applied for translation.

In a short speech, Mr. Benjamin said that McGraw-Hill had published the book with great satisfaction. Pointing out that the 1958 edition has already sold 90,000 copies in six months, Mr. Benjamin hailed the

A recent Burton House fire has instigated an official crack-down on the illegal hot plates owned by dormitory residents. The fire, which occurred in room 213-C on November 22, is reputed to have been caused by a hot plate. Extinguished by an alert Techman in a neighboring room, the fire damaged a chair and scorched a nearby desk and bookcase.

Burton To Take Action

As a result of the blaze, the Burton House Committee is planning strict enforcement of the Institute rule against hot plates. Meeting on December 3, Burton Housecomm adopted the following three-point plan: 1. Hall chairmen are to explain reason for enforcement to hall residents. 2. Own-

ers of hot plates will be advised to dispose of them during Christmas vacation. 3. Any violators of the ban after this time will be reported to Judcomm for disciplinary action, with maximum penalty being expulsion from the dorm.

The Senior House Committee, in session December 9, appointed a committee of two to bring the following facts to the Dean of Residence's attention: 1. Hot plates are desired by the majority of the men in the dorm. 2. The possibility of a quota system based on the capacity of the hall electric circuit. 3. The feasibility of licensing hot plates in the same manner as refrigerators, the license fees paying for the expected increase in insurance rates. The House Committee also decided to leave enforcement of the ban to the Hall Chairmen, should such action become necessary.

Al Bufferd '59, Burton Housecomm President, said that previous student governments had failed to enforce the ruling because of the lack of dining facilities in Burton House. He said that, although a kitchen on every floor

had been tentatively proposed, the ideal solution would be a dining hall in Burton.

"No Police State"

Dean Frederick Fassett, Jr., Dean of Residence, recognized the problem that exists in finding dining facilities for those not on Commons, especially over the weekend. However, he said that, for safety reasons, the rule must be enforced. Dean Fassett had this to say about the situation: "We must rely on the good sense and good will of the men themselves, as they act through student government. Whatever flaws MIT may have, it will not operate as a police state. To do so would repudiate the whole idea of student government."

Mark Dondero, MIT Safety Engineer, revealed that a recent survey of cooking equipment in the dormitories revealed 144 refrigerators and 82 known hot plates. Since the B & P men only counted those hot plates in open view, Mr. Dondero estimated a more accurate figure would be 80% of the refrigerators, or nearly 115 illegal hot plates. No fry pans, toasters, or skillets were included in this number, although the survey revealed that two students possessed electric ovens. Mr. Dondero stated that the wiring of the dormitories did not anticipate electrical appliances in the rooms.

Dondero Doubts Enforcement

The appliance survey, an annual event, was not prompted by the Burton House fire, the two coming at nearly the same time was merely a coincidence. Mr. Dondero expressed doubt that the student government would enforce the ruling, although he said that he would be most happy if they would.

Brandeis' Dr. Stein Speaker For Hillel Society On Sunday

"The Non-Conformist in a World Joiners" is the subject of a talk to be given by Dr. Maurice Stein, Assistant Professor of Sociology and Anthropology, Brandeis University, on Sunday, December 14, at 11:30 a.m. in the Campus Room of the Graduate House. The talk, sponsored by the Hillel Graduate Society, will be preceded by a Brunch at 10:30 a.m. Dr. Stein is co-author with David White and Arthur Vidich of "Identity, Anxiety and Mass Society: Personality and Culture in Modern Times" and of the forthcoming book "Explorations in Community: The Sociology of American Community Development". Dr. Stein received his Ph.D. degree from Columbia University. Before coming to Brandeis, he taught at Dartmouth College and Berlin College.

CAROL SING

There will be a carol sing this Friday, December 12, in Kresge Auditorium from 12:15 to 1:00 p.m.

Life Study In 8.01

Physics lectures took on new meaning Wednesday morning when Prof. Stanislaw Olbert, speaking to a full house of 8,031 students on the subject of properties of bodies and media, showed an unusual slide. Having dramatically turned the lights low in anticipation of a color array of dials and graphs, he tried to find a considerably enlarged Technicolor version of a beautiful near-nude on the screen. Muttering something about the demonstration not conforming to physics, the shaken instructor took the rest of the period trying to return the lights of the students—and himself—to the originally intended ves.

book as a pace-setter in the textbook field. Ordinarily, a good college textbook will sell between 10,000 and 15,000 copies.



Best-seller Author

MIT Group Reports US Lacks Ordered Problems Approach

Do Americans have their own characteristic ways of solving problems?

"Yes, but those ways are changing," is an answer to this question given in a new book, *The American Style*, the product of a conference held last year by the Institute's Center for International Studies.

The conference brought together thirty of the intellectual leaders of the United States for four days of discussion at Endicott House.

The central theme of the conference was pinned down by W. W. Rostow of MIT in an essay which appears in the book under the title, "The National Style". The two principal American methods of dealing with problems have been compromise and practical experimentation, he asserts.

Citing various chapters in American history, Dr. Rostow expressed the opinion that decisions are likely to be made on the basis of "experience, feel and judgment, and by sensing recurrent patterns" instead of by "clean-cut logical connections of cause and effect."

He observed that, "This is how good captains of sailing vessels have worked—good politicians, good businessmen. This has been the typical American style in operating and developing the Nation's society."

"But the success of this American style," he points out, "is dependent

(Continued on page 7)

Textbook Writes Itself . . . Camera, Tape Aid Wiener

Thanks to a camera and a tape recording machine, a new book by Dr. Norbert Wiener, famed mathematician of MIT, has just been published. He did not write the book, in the ordinary sense of the term. The manuscript was put together from snapshots and tape.

The book, "Nonlinear Problems in Random Theory," is expected to be of wide interest to mathematicians, atomic physicists, biophysicists and electrical engineers. It is the first book on the subject to be published in English.

Colleagues of Dr. Wiener had long been eager for him to write such a book, however, he could not dictate

the text to a stenographer because much of the language would consist of long and complex equations which only a mathematician could understand. And no mathematician could keep up with Dr. Wiener.

Finally Dr. Wiener was persuaded by Professors Yuk-Wing Lee and Amar G. Bose to present the material in a series of lectures before a small group of students. Dr. Lee, an ardent amateur photographer who understands Professor Wiener's mathematics, took photographs as the blackboard was rapidly filled with mathematical formulas. Meanwhile, a tape recorder was making a record of the lecture.

Random theory is concerned with things which happen only in a statistically predictable way, and nonlinear problems are those in which addition of inputs does not produce addition of outputs. Dr. Wiener worked on such problems at the blackboard, very much in the way that a musician improvises on the piano. He dealt with such matters as brain waves, FM radio, quantum physics and the statistical mechanics of gases.

The mathematical work covered in the lectures resulted from Professor Wiener's curiosity about what he calls the "dip phenomenon" that he observed in brain waves recorded in electroencephalograms. In the course of building a mathematical model to

(Continued on page 7)

MIT Concert Band In Concert Saturday

The MIT Concert Band, celebrating its tenth anniversary this year, will give a free concert in Kresge this Saturday at 8:30 p.m. Director John Corley has announced a program consisting of Beethoven, Catel, Bennett, Siegmeyer, Dukas, and Hindemith.

The Concert Band was formed in 1948 by a group of students in order to have an opportunity to play music written specifically for concert band, and this policy is being continued under their director.

IN MEMORIAM

Doctor LeMoyné White, staff psychiatrist in the Institute's Medical Department, died December 9 at Peter Bent Brigham Hospital after a brief illness. In the short time since his appointment here in 1956, Doctor White had made a warm place for himself with both students and staff. Funeral services will be private, but a memorial service will be held at 4 p.m. on Sunday, December 14, at the First Parish Church in Brookline, corner of Walnut and Warren Streets.

Man In Space Will Be Subject Of Free Lecture On Dec. 14

Dr. H. Guyford Stever, Professor of Aeronautical Engineering, will explain the problems yet to be solved for manned rocket flight into space in the first of two Free Popular Experimental Science lectures at 4 p.m. on Sunday, December 14, in the Compton Hall of the Compton Labs.

Professor Stevers will discuss the difficulties of making rocket take-offs and landings safe for passengers, and some of the surprising problems of communication between space vehicles and ground stations. He believes new scientific discoveries are not needed, but several engineering problems must be solved to make manned space flights possible.

His lecture will be the first of a pair which will be presented this year by the Society of Arts.

Tickets may be obtained at Room 4-434. If space allows, those not holding tickets will be admitted after 3:55.

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reviews

The Alchemist

Wednesday night we had the honor of being at the opening performance of Ben Jonson's *The Alchemist*, brilliantly staged by the MIT Drama Shop under the direction of Joseph Everingham.

In the starring roles are Irv Weinman '60 as Subtle, the Alchemist; Tech Show veteran Gus Solomons, Jr. '60 as Face, the Housekeeper; and Joan Tolentino, long Drama Shop's very talented number one female, as Dol Common, their colleague.

We were somewhat confused at the opening scene of this very gay British comedy. The three mentioned above are engaged in a quarrel in a room of a spacious London mansion. This particular room has been made over into a place of mystic alchemy. The provocations and meanings of the quarrel are cloudy, but it ends shortly, and we enter the hilarious and absorbing plot. The butler, and two low class transients, have instituted a place of fraudulent alchemy while the master of the house is away. They are engaged in the sale of "supernatural powers" to a pleasantly diverse and very colorful group of beguiled citizens. Amusing complications arise when the scheduling of customers becomes crowded, there are disastrous interactions between them, and the master unexpectedly returns home. The resolution is further amusing, and the climax is a welcome surprise.

Gus Solomons is in his usual eloquent form, capturing the audience in his "asides". Oarsman Irv Weinman's large frame makes him ideal for his role while Joan Tolentino's good looks are reversed with wig and tooth black to help her effectively play a clever wench. Superb performance in the roles of various "clients" is had from Kelly Webb '62, Richard Hornby '60, Donald Silverman '60, and George Barnett '59. Herb Propper '56 plays convincingly as the dillitane master of the house.

Junior Jack Tomlinson's set including movable panels is the best we have seen in the Little Theatre. The background recorded music is excellent in choice and reproduction. Costumes of the major characters are outstanding, but the minor, low-class "clients" did seem somewhat overdressed.

"The Alchemist" will be on again tonight and tomorrow at 8:30 in The Little Theatre. Reserved seat tickets may be purchased in the Building Ten Lobby for a highly recommended evening's entertainment.

—PEB, Jr.

half notes

Every so often MIT is blessed with a musician of virtuoso ability. Symphony Orchestra has its Gerry Litton '60 and cellist, Karl Kornacker G who is scheduled to perform the Dvorak Cello Concerto with the Orchestra in January.

And now a new figure emerges from the depths of Kresge Auditorium. He is a freshman, Ken Bahn, who plays the cornet. He plays it well.

If you can't get into Dramashop's *The Alchemist*, you might try upstairs tomorrow night. Concert Band is giving a free program of original band music:

Military March in D.....Beethoven
Overture in C.....Catel
Rose Variations.....Bennett
Ken Rahn '62—Cornet Soloist

Intermission

Fanfare to "La Peri".....Dukas
A Glorious Day.....Roussel
Symphony in B Flat.....Hindemith

John Corley, Conducting

We'd like to dwell momentarily on two of the selections. The Hindemith Symphony is a classic in the modern band repertoire, and stands as the foremost example of symphonic composition for band. For those of you who have not heard a Hindemith before, it will serve as a suitable introduction to this contemporary American composer. Although Robert Russell Bennett is primarily known as the orchestrator of numerous musicals (*Oklahoma*, *The King and I*, *South Pacific*, etc.), his own compositions are of considerable merit. Rose Variations is an intricate and exciting work for cornet and band accompaniment. Curtain at 8:30 p.m.

QUARTER NOTES:

Sunday afternoon at 3 p.m. Humanities Series will present its second concert at Kresge: The Julliard String Quartet . . . There's a free organ recital by Heinrich Fleischer, University of Chicago organist next Wednesday in Kresge at 8:30 . . . Happy we are to report that the ROTC Band had moved indoors for the winter.

—Mort Achter '59

college world

Wellsirs, I was flat amazed! Let me tell you that this feller came strolling down the hall, big as life, and as he ambled past, he raised his head and said cheerfully, "How are you, Mr. Browder?" and I suddenly recognized my M21 instructor. Flabbergasted, well I guess so! After all, it's been somewhere like 22 months since I'd seen the gentleman, and around the Institute I generally expect to be remembered by instructors and the like for about as long as it takes for the echo of retreating footsteps to die away.

I've wasted about an hour trying to find something going on on any other campuses which is interesting, so I'll just tell the world about a poor sad roommate of mine. It was that there was a party, with lots of dates and booze and such, and all were enjoying themselves thoroughly, as might be expected in such circumstances, when suddenly I begin to notice that my poor sad roommate is drinking alone in the house bar. Thinking this a tad odd, I go to the sad one, and ask, "Sad one, where is your neat date, and why are you sitting here drinking yourself silly?" To which the sad one replies, "Roommate, I haven't any idea where my neat date is, and I am drinking myself silly because I like the taste of good Budweiser." At this point I leave the sad one, and return to our room, only to find a very close friend of both the sad one and myself there, happily making very good progress with none but the sad one's date. Extremely good progress. Such progress in fact that I hastily excuse my unfortunately entry, and retire back to the bar, ostensibly to offer solace to the sad one (who by this time is not at all in any shape to receive anything but more of the same happy juice), but really to imbibe some happy juice myself. After all who am I to interrupt our friend in his progress?

After some time our friend comes to the door, and wants to borrow the sad one's car keys, to take the sad one's date home. Since he is a friend, he gets the keys and leaves. Three hours later he returns to the bar with the keys, and I offer to drive him home (he is our friend). He thanks us all for a nice party, the sad one in particular (who hears little or nothing of what he says), and we leave. It was an interesting evening.

How to save 2½ cents easy: If you are one of those unfortunates who are forced to buy your lunch in Pritchett Lounge, hark! For some time I have been interested in the Tech Club Sandwich, which sells there for 55c. Feeling this price to be a little high for the ingredients, and spurred on by the news that now only one slice of bacon is supplied, I investigated, and found the following listed:

1 hamburger	25c
1 slice bacon @ 2 for 15c	7½c
Tomato	10c
1 bag potato chips	10c
Lettuce	gratis
Total	52½c

Considering the fantastically slow service, I figure that even this saving from ordering components instead of the completed article doesn't make the Tech Club (or anything else) worth the effort.

—Dix Browder '59

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On Campus with Max Shulman

(By the Author of "Rally Round the Flag, Boys!" and "Barefoot Boy with Check.")

THE GIFT HORSE

I know how busy you are—studying, going to class, catching night crawlers—but let me interrupt your multifarious activities—studying, going to class, helping old grads find their dentures after Homecoming—to remind you that busy as you are—studying, going to class, searching for meat in the dormitory stew—time and tide wait for no man, and the Yuletide will soon be upon us. Busy or not, we must turn our thoughts to Christmas shopping. Let us, therefore, pause for a moment in our busy schedules—studying, going to class, rolling drunks—to examine a number of interesting gift suggestions.

We will start with the hardest gift problem of all: What do you give to the person who has everything? Well sir, there follows a list of a half dozen gifts which I will flatly guarantee the person who has everything does not have:

1. A dentist's chair.
2. A low hurdle.
3. A street map of Perth.
4. Fifty pounds of chicken fat.
5. A carton of filter-tip Marlboros.
6. A carton of non-filter Philip Morris.

"What?" you exclaim, your young eyebrows rising in wild incredulity. "The person who has everything does not have cartons of filter Marlboros and non-filter Philip Morris?" you shriek, your young lips curling mockingly. "What arrant nonsense!" you rasp, making a coarse gesture.

And I reply with an emphatic *no!* The person who has everything does not have filter Marlboros and non-filter Philip Morris—not for long anyhow—because if he has Marlboros and Philip Morris and if he is a person who likes a mild, mellow, fresh, flavorful cigarette—and who does not? eh? who does not?—why, then he doesn't have Marlboros and Philip Morris; he smokes them. He might possibly have a large collection of Marlboro and Philip Morris butts, but whole Marlboros and Philip Morris? No. An emphatic *no!*

Now we take up another thorny gift problem: What do you buy your girl if you are broke? Quite a challenge, you will agree, but there is an answer—an ingenious, exciting answer! Surprise your girl with a beautiful bronze head of herself!



Oh, I know you're not a sculptor, but that doesn't matter. All you have to do is endear yourself to your girl's roommate, so she will be willing to do you a favor. Then some night when your girl is fast asleep, have the roommate butter your girl's face—quietly, so as not to wake her—and then quietly pour plaster of Paris on top of the butter and then quietly wait till it hardens and quietly lift it off—the butter will keep it from sticking—and then bring you the mold, and you will pour bronze in it and make a beautiful bust to surprise your girl with!

Remember, it is important—very important—to endear yourself to the roommate, because if anything should go wrong, you don't want to be without a girl for the holiday season.

© 1958 Max Shulman

Your gift problem is no problem if you will give Marlboros to your filter smoking friends and Philip Morris to your non-filter smoking friends. Both come in soft pack or flip-top box; both are made by the sponsor of this column.

Foreign Employment Service Available To US College Students

The American - European Student Foundation is offering summer jobs in Europe for those American students interested. Real living contact with the average peoples of Europe is offered the student along with the employment.

The Student Foundation, an international non-profit organization, is cooperating with the People-to-People program initiated by President Eisenhower. The Program, begun last year, offers the student not only a trip abroad but an unforgettable experience in living.

Available jobs consist of forestry work, child care (females only), farm work, construction labor, and other jobs requiring more specialized training. These employment opportunities are available in Germany, Scandinavia, England, Austria, Switzerland, France, Italy and Spain. The working conditions in the various countries will be strictly regulated by the labor ministries of the nations involved. In return for their work, the student will receive his or her room and board, plus a wage. However, students should keep in mind that they will be working on the European economy, and wages will be scaled accordingly.

This year the Foundation will obtain voyage tickets at a 10% reduction.

HOLIDAY CHEER

President and Mrs. Stratton will give their annual Christmas "At Home" for all students remaining on campus on Monday, December 22, from 4 to 6 p.m.

SKEPTICS SEMINAR

The Skeptics Seminar for December will be held in the Library Lounge at 5:00 p.m. today. Professors Santillana, Shannon and Filipowski will discuss "Creativity in the Arts and Sciences."

USSR ENG.

(Continued from page 1)

Ministry of Higher Education.

"A long range plan covering a period of five years (currently seven years) is formulated first. Each year this master plan is modified to take into account the accomplishments actually achieved the previous year. The plan considers the needs of the whole Soviet Union in the light of the expansion of industrial plant capacity, the need for replacements, and the replacement by professional people of non-professional personnel not adequately trained.

"The seven-year plan now being formulated contemplates that an average of 350,000 graduates in all professional fields (engineering, science, medicine, languages, etc.) will complete their training each year. This is an increase of 40% over the average of the past seven years, but in engineering it is proposed that the increase shall be 90%.

"The master plan specifies the number who may enter the institutions of higher education, the number who may train for each field of specialization, the quota of each specific institution for each specialty, and the jobs which will be available at the time of graduation. Such planning demands that each student (at present upon graduation from the ten year school at the age of 17 or 18) must choose irrevocably a narrow field of specialization when he applies for admission to college.

Application Stressed

"The duration of the full-time day program is five or five and one-half years. The first two years are broadly based on mathematics and science. But from the day of his matriculation the student pursues a specialty. For the most part he meets, in lectures or laboratories, only other students taking the same program. The illustrations in mathematics, physics, chemistry, mechanics, etc., are selected to emphasize their application to his field.

"The last three years consist of increasingly specific courses, often built around design projects, industrial practice, and an elaborate diploma

Songs, Stories By Vagabonds Charm Enthused Audience

Wednesday evening, December 10, Ron Engh and Rudi Thura brought a bit of Africa into Room 10-250 as they told of their 27,000-mile trip from Rotterdam, Holland to Gao, French West Africa. The multi-talented youths enthralled their audience of nearly 75 Techites.

Ron, a native of Ocean City, Maryland, met Rudi in a Rotterdam bar the day after Rudi, a native of Germany, returned from a bicycle tour of India. Then and there they decided to see what Africa looked like first hand. With virtually no cash, the youths strummed their guitars and sang folk songs for lodging and meals.

Ron and Rudi presented an entertaining tale of their experiences, interspersed with folk music from the various lands they visited, and enlivened with films taken in Africa. An account of their experiences will appear in the next issue of *The Saturday Evening Post*, along with many of the photographs shown here Wednesday night. Following a tour of American universities, Ron and Rudi plan to visit Mexico, and Central America, then take a raft down the Amazon. In the distant future they plan to visit the Far East, and eventually Russia. Rudi and Ron are sponsored by the People-to-People Program which has arranged for their tour of American colleges.

project requiring one semester of full-time work. These projects involve extensive detailed drawing and are intended to acquaint the student both with principles and prevailing practice in his specialty."

The report notes that, "the young Soviet engineers are well grounded, and their best men are as good as any in the world. However, it appears to the delegation that many must be limited in their outlook by knowing little engineering outside their own narrow field.

Engineering Aristocracy

"Nowhere is the engineer and scientist held in higher regard than in the U.S.S.R. Engineering students and practicing engineers are exempt from military service. Indeed, engineers and scientists are among the aristocracy of Soviet society. There is, therefore, strong motivation and social pressure to such careers.

"A motivation factor not to be underestimated is the strong devotion

(Continued on page 7)

M.I.T. Dramashop presents

Ben Jonson's "THE ALCHEMIST"

Little Theater, Kresge Auditorium, MIT
WEDNESDAY, DEC. 10—SATURDAY, DEC. 13 AT 8:30 P.M.

Directed by Joseph D. Everingham

Tickets at \$1.00 (all seats reserved) available at UN 4-6900, Ext. 2902 or at door.

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Splash on Old Spice After Shave Lotion. Feel your face wake up and live! So good for your skin... so good for your ego. Brisk as an ocean breeze. Old Spice makes you feel like a new man. Confident. Assured. Relaxed. You know you're at your best when you top off your shave with Old Spice!

Old Spice

AFTER SHAVE LOTION
by SHULTON

The Honorable Charles W. Morton Memorial Inside Page

Morton's Statement, Morton's Salt Tricycle Riding Old Lady Draws Aim First MIT Award:

"I deny categorically the baseless rumor, doubtless inspired by undergraduates, chemists and guided-missile grease monkeys, that I am, or have been, secretly employed by Robert Hall Clothes, Inc. My report in the December *Atlantic* was a spontaneous gesture intended to assist the efforts of the Charles River Basin Improvement Society, and to allay the uneasiness felt by citizens in general, encountering MIT students on the Harvard Bridge."

Charles Morton ironically has pointed out one of the basic problems of our age. While he intended to ridicule the MIT student, his statement so antiquated by the facts of our present world, becomes merely the pathetic blubbing of an old

dog unable to join the pack in the chase. His conception of the present student implies that we would take seriously his report in the December *Atlantic*. He does not realize that we have more important problems to solve than acting by the criticism of a tradition bound, prep school trained, ivory towered columnist. Evidently he still pictures the engineer as a grease monkey as he was in 1900. Mr. Morton does not realize the dependence our society has upon the scientific process—both its approach to problems and in the already solved problems. Men such as these, insulated from reality, only create a more difficult task for the new superman.

Mr. Charles W. Morton,

I begin this letter without the traditional "Dear" to emphasize my contempt for anyone who would so viciously and without provocation attack an old woman as you did in the December issue *The Atlantic Monthly*. How *The Atlantic* could ever depart from its great and gentlemanly literary and academic tradition bowing to the mass market by publishing that example of yellow journalism—the December "Accent on Living" column—is beyond my ken. I had always expected justice and integrity in *The Atlantic*. However, when you pile ridicule and contempt upon me, an old woman, for riding about Cambridge in my tricycle wearing a cape, you shatter your own myth, exposing the baseless. Has that woman's magazine with the Scottish name had such a profound influence upon you that you now discourage the unusual—the individual?

Are you or anyone else injured by my tricycle and cape which my mother once used? Do I destroy any of our American institutions other than the Madison Avenue picture of the happy, successful and consuming with the ever new car? I always say, live and let live. I shall continue to ride my tricycle about Cambridge despite your pen. I certainly bother no one in Cambridge and certainly no one is affected by my tricycle.

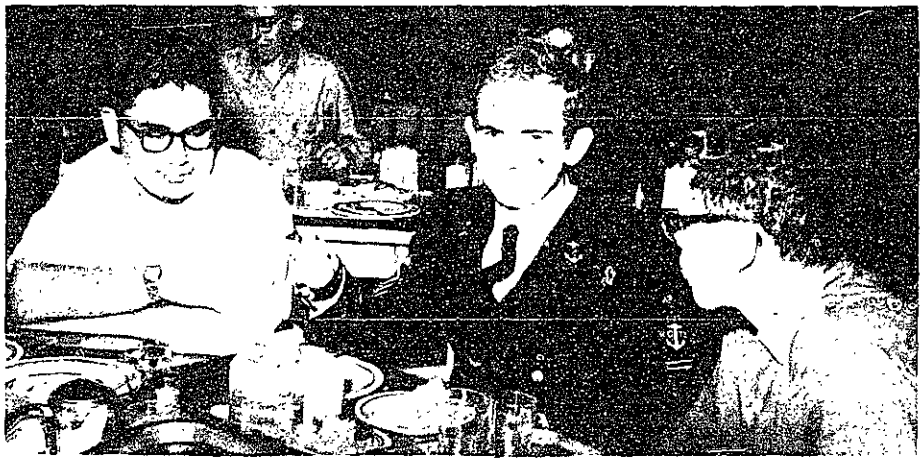
Moreover, I have a definite purpose in riding my tricycle. For an old woman such as myself it is the easiest and best way to journey visiting friends. If you had investigated and sought my reasons you would find that old ladies cannot walk any distance. Yet my friends are scattered necessitating my traveling several blocks sometimes which I do more quickly and more easily on my tricycle, and I never worry of falling and hurting myself. Mr. Morton, you certainly should understand the problems of old ladies before you write such a story again.



Founding Fathers of the Morton Institute for Tail-Tailoring present the Institute's official blazer to Mr. Charles W. Morton of *The Atlantic Monthly* in the *Atlantic's* Boston office.



Above: Student anxiously awaits Charles W. Morton for a ride while passing motorists play "spot the delinquent", that exciting new auto game. Below: Glumly a student surveys the irony and ignorance displayed by an *Atlantic* article.



Bert Portnoy
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Visit our Ivy Corner
IMPORTED SHETLAND

JACKETS \$55
IVY SUITS \$75
Gant Ivy Shirts
"Lowest Prices Anywhere"
COMPARE



Combining originality with utility our designer created this striking new concept in sweaters here modeled for the first time at MIT just before photographer ducked flying biscuit thrown by irate runner-up in clothing design contest.

Do You Think for Yourself? (THESE QUESTIONS WILL TELL YOU!*)

1. Do you find going "off the beaten track" on a trip (A) interesting and constructive, or (B) merely inconvenient?

A ☐ B ☐

2. In a heated discussion would you rather (A) be the "moderator," or (B) jump in on a side using any argument to win?

A ☐ B ☐

3. Before making a complex decision, is your first move (A) to marshal the facts, or (B) to ask the advice of a respected friend?

A ☐ B ☐

4. Do you (A) try to figure out ahead what each day will bring, or (B) face problems as they come along?

A ☐ B ☐

5. When writing a letter applying for a job, would you try to make it (A) original and off-beat, or (B) factual and concise?

A ☐ B ☐

6. If you were getting furniture for a room, would you look first for (A) something comfortable, or (B) something colorful and unusual?

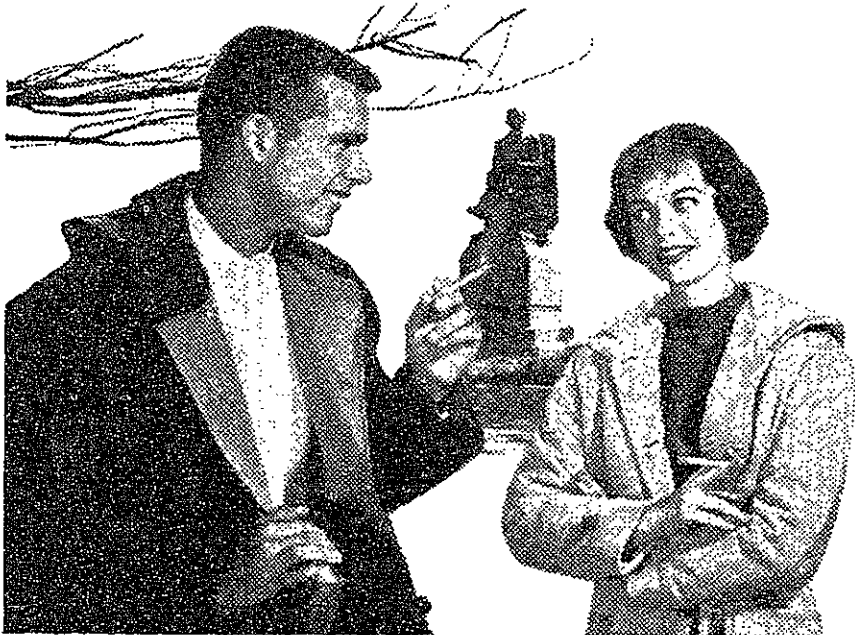
A ☐ B ☐

7. Would you prefer a job (A) in an old established firm offering security, or (B) a small company which could expand rapidly?

A ☐ B ☐

8. Would you rather be known as a person who (A) works well with others, or (B) accepts responsibility on his own?

A ☐ B ☐



9. When you step up to a cigarette counter, are you (A) confused by all the conflicting filter claims you've seen, or (B) sure of what you want because you've thought things through?

A ☐ B ☐

You will notice that men and women who think for themselves usually choose VICEROY. Why? Because they've thought it through—they know what they want in a filter cigarette. And VICEROY gives it to them: a thinking man's filter and a smoking man's taste.

*If you have checked (A) on 3 out of the first 4 questions, and (B) on 4 out of the last 5... you think for yourself!

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Familiar pack or crush-proof box.

The Man Who Thinks for Himself Knows — ONLY VICEROY HAS A THINKING MAN'S FILTER... A SMOKING MAN'S TASTE!

Survey of Clothing Past and Present at MIT

Improvements Cited:

One person who is in a position to observe and evaluate average undergraduate dress is Mr. William Carlisle, the Institute's Manager of Student Personnel. His position enables him to meet hundreds of students yearly and it is his duty to look for—in addition to skill—consideration, thoughtfulness, awareness, initiative, and that all-important element of a short interview-appearance.

However, in direct contrast to those who have recently discredited MIT dress, Mr. Carlisle expressed that he has never been as optimistic on this subject. He maintains that there has been a definite upward trend to dress appropriately and an increasing awareness on the part of the student to look his best. In fact the Class of '62 by his standards is the best-dressed class to arrive on campus.

The feeling that undergraduate appearance has improved was also shared in the Dean's office. Nevertheless, Dean of Students, John T. Rule, asserted that there is feeling among some of the faculty that it is regrettable that so much indifference to dress still exists. Very informal apparel he commented may be fine for the lab, but for dinner or for any of the social functions, better clothing is in order, especially where it would tend to create a more favorable atmosphere.

Associate Dean for Student Counseling, William Speer, too saw a need to match clothing to the occasion, but he wanted to emphasize the difference between merely expensive clothes and good clothes. By better dress he explained that he did not necessarily specify many costly items

but only such clothes that would suit the purpose and the budget.

In the Student Placement Office, Mr. Thomas W. Harrington, Jr. was of the opinion that most MIT students dress well when they have to make a good appearance. And when they do dress up, they do so in a conservative manner.

Sound[?] Basis for Styles of Dress Seen in Institute's Fashion History

A feature on clothing at MIT would scarcely be complete without some mention of the habits of dress of past generations of Tech men. Upon scanning the back issues of the old college rag, it becomes obvious that the lowly engineer has long been a favorite target of Boston's haberdashers.

The year 1881, when the first issue of *The Tech* marked the beginning of history, found students being urged to buy their "blue and gray milled suitings for bicycle costumes" so as to be the chic man of the hour when riding their Harvard Roadster high-wheelers to and from Tech.

Travelling on to the turn of the century, we find that the suit for a well-dressed young man was the double-breasted sack. Unlike its current feminine counterpart, it featured the broad shouldered, military effect. MIT non-conformists, led as always by Course IV, shunned this apparel and affected a peculiar piece of clothing, the Greeley Gown, a loose, hip-length, slip-over jacket

which resembled nothing so much as the upper portion of a maternity dress. Whatever the coat style, the man of Technology couldn't be caught with his pants down, however, so a thriving business was done in President Suspenders, "the only suspender made on a scientific basis, to move when you move, follow every bend of the body," somewhat in the manner of a Playtex girdle.

The Tech man of 1912 was caught in the era of the high, starched removable collar, varying from two to three inches high, and was advised to buy Arrow Donshester shirts because—"the bosom cannot bulge."

Since this time, dress at the Institute has degenerated to its present state. The depression of the thirties popularized the narrow, Ivy look as a means of saving material. This clothing style has stayed in vogue here at MIT principally because, in this time of ever increasing tuition costs, it is the only style which will properly cover the emaciated, undernourished frame of the Tech man.

Secretaries Pose Paradox; Bells Solve

Sparked by the article in *The Atlantic Monthly*, describing and judging the dress of the MIT man, *The Tech* began a survey of the clothes the Tech really does wear. The approach was to be twofold: we would ask various people their opinions of the student attire and secondly we would actually count people wearing various types of clothing.

Following an old tradition or perhaps for precision we might say an old urge we probed about the Institute asking various secretaries their opinions of the MIT student's apparel. Having a general feeling that we probably are pretty sloppy, the tirade against the clothes came as no surprise. This tirade mainly a one woman enterprise in a three woman office generally deplore the taste of the MIT student in choosing his clothes both in his purchase and in the combinations he wears. Definitely not or at all conservative Ivy League concluded the girl.

The next office we dropped into held a girl who really had not noticed very much though she could think of some "awfully grubby people".

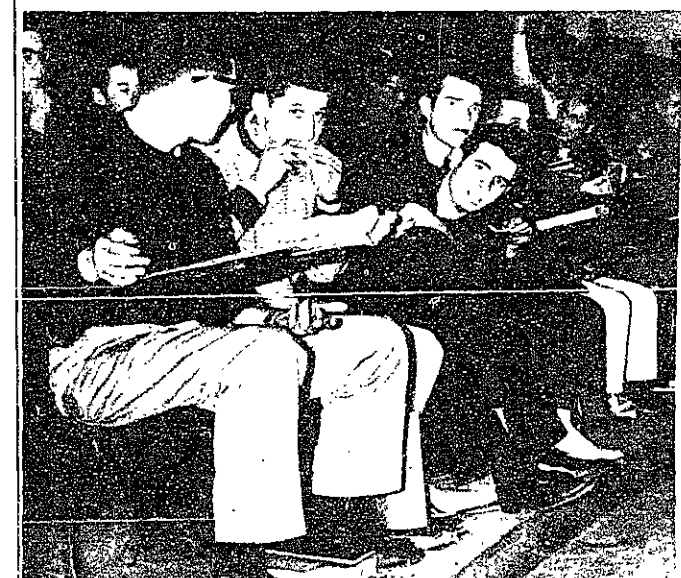
The answer at the next office by now was trite: sloppy, grubby, dirty, shave, etc. were all commonly used.

By now we were very disheartened and had almost been swept away by emotion and ready to declare better dress for the future. However, the MIT man was saved by a woman who could have been his mother and a woman we would all be proud to call mother. She believed that what the boys wear is their own business and she really does not care as long as he is clean shaven and neat as she thought most of us were. Others soon followed who also stated that while we certainly are not dressed up most of the students are very clean and very neat.

This puzzled us. Some secretaries thought us to be slob and some thought we were neat and clean though not well dressed. There must be some difference between the secretaries rather than in the dress of the students in the different parts of the building. Aha, with admitted exceptions there did seem to be a tendency. The secretaries young and without a ring on that important finger seemed far more critical of the clothes than did the older married women with children. Wonder what the distinction is? I really doubt if it is because if the unmarried types are looking and thus very conscious of appearance. Also it seems unreasonable that those married and with kids know that the measure of a person is not his clothes because look at junior sometimes he doesn't dress so well but he is a fine boy.



Excellent snowball protection is provided by the Canadian Northwest jacket available at the COOP.



A sandwich nurtures the grease stains and soup spots of the front row sporting their 3 day shirts and 30 day pants while hand in back ground wards off paper wads thrown at what was thought to be a wastepaper basket. Copycat discovers amusement in letters bringing expressions of grave concern to others while displaying his copy of the coveted MIT award.



CANADIAN NORTHWEST

SHELL . . . Highly mercerized all cotton sanforized Gatineau gabardine.

LINING . . . Timme Tuft 100% heavyweight alpaca.

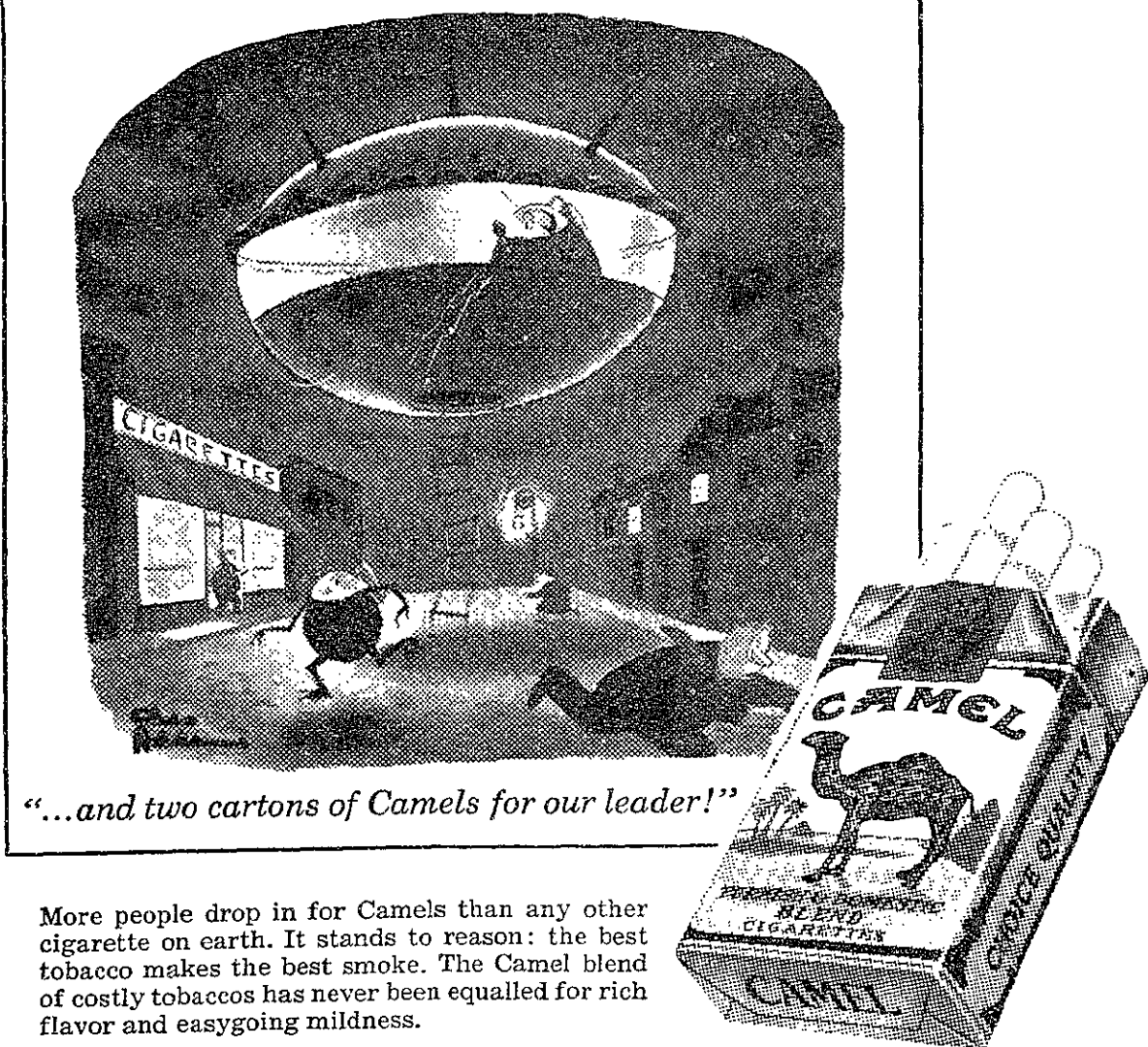
COLLAR . . . Convertible weatherproof Timme alpaca collar which may be worn as a hood in stormy weather.

FEATURES:

- Sleeve tabs.
- RUGGED ZIP for easy grip (extra heavy-duty zipper)
- Inserted elastic belt hugs the waist for added warmth.
- Two lower flap pockets and two hand-warmer pockets.
- Railroad stitching at bottom.
- Fly front.
- Body length 34".

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ONE WEEK EARLY FOR US
NEW OPENING JAN. 9th
MERRY CHRISTMAS

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• DEDICATED TO ORILLARD •
COPLEY SQUARE HOTEL

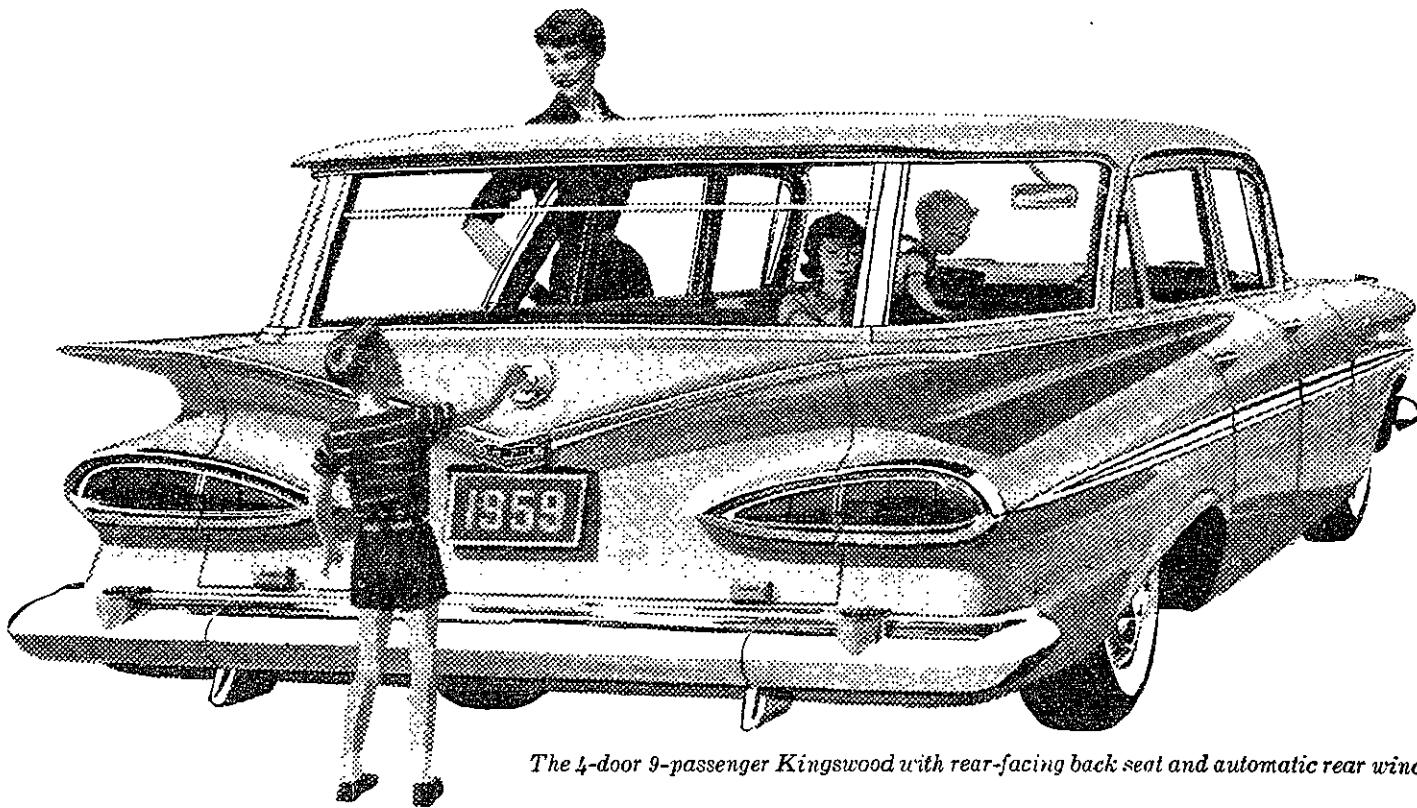
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The 4-door 9-passenger Kingswood with rear-facing back seat and automatic rear window

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THIS IS THE ONE FOR WAGONS! 1959 CHEVY

Chevrolet's five stunning new station wagons for '59 are shaped to the new American taste with fresh, fine Slimline design. And they're beautifully practical—with roomier, quieter Bodies by Fisher, an even smoother ride, new ease of handling!

Wagons were never more beautiful or dutiful. From low-set headlights to wing-shaped tailgate, these '59 Chevrolets are as sweet looking as anything on wheels. They're just about the handiest things on wheels, too—from their overhead-curving windshield to their longer, wider load platform. Besides additional cargo space, you also get added seating room (4 inches more in front, over 3 inches in back). And you'll find such other practical advantages as new easy-ratio steer-

ing, Safety Plate Glass all around, bigger, safer brakes, smoother-than-ever Full Coil suspension and a roll-down rear window (electrically operated as standard equipment on the 9-passenger Kingswood). Your dealer's waiting now with all the details on why this year—more than ever—Chevy's the one for wagons.



now—see the wider selection of models at your local authorized Chevrolet dealer's!

THEY SAID IT COULDN'T BE DONE - BUT TODAY'S L&M GIVES YOU-

THEY SAID IT COULDN'T BE DONE!
Who would believe you could get college credits by watching TV? But television now offers daily classes in atomic physics—and over 300 colleges and universities across the nation are giving credit for TV courses.

Puff by puff **Less tars & More taste**

DON'T SETTLE FOR ONE WITHOUT THE OTHER!

Change to L&M and get 'em both. Such an improved filter and more taste! Better taste than in any other cigarette. Yes, today's L&M combines these two essentials of modern smoking enjoyment—less tars and more taste—in one great cigarette.

LIGHT INTO THAT LIVE MODERN FLAVOR!

Big car bills cramping your social life?



**GO
RAMBLER**
For '59—and Save!



Now for '59, Rambler gives you even more miles per gallon, saves even more on first cost, too—up to \$214 on comparable 4-door models. Easiest to turn and park... first with Personalized Comfort: individual sectional sofa front seats. Go Rambler!

New 100 inch wheelbase RAMBLER AMERICAN

\$1835

Suggested delivered price at Kenosha, Wisconsin, for 2-door sedan all left. State and local taxes, if any, automatic transmission and optional equipment, extra.



SEE YOUR NEARBY RAMBLER DEALER

USSR ENG.

(Continued from page 3)

to a system that greatly encourages education. Those who qualify for admission to an institution of higher learning need not be concerned because of a lack of financial resources. Grants are provided by the state in sufficient amount to care for basic needs.

"A system that offers such unique advantages to the educated instills a strong desire for higher education in the youth of both sexes. Currently about one third of the total enrollment in the schools of engineering technology is comprised of girls. Competition for admission is keen. The planned economy provides one opportunity for every three to nine applicants, depending on the prestige of the institution and the importance attached to the specialty. Since students may make only one application for admission in a given year, the less able are motivated to apply for admission to a specialty in which there is less competition.

"As a result of these factors, a seriousness of purpose pervades the classroom and laboratory. This is clearly evident to the most casual observer. The students themselves have a genuine respect for intellectual achievement and disdain for the

laggard. For example, we saw cartoons on bulletin boards drawn by students to scold those who do poorly in their work. They also saw a statue of a student studying his lesson on the way to class and were told that poor students are hazed by their fellows before this symbol. In this atmosphere, approximately 90% of those who gain admission to the day schools complete diploma requirements and 50% of those in evening and correspondence programs graduate.

"Some fourteen outstanding institutions offer more advanced and individualized curricula. These institutions are given greater freedom in changing their curricula from the prescribed pattern. Modifications of appreciable magnitude are usually approved by the Ministry with little delay. These institutions, as well as the stronger industrial groups and research institutes, are expected to provide leadership in changing programs to meet new scientific and engineering developments. It also appears that competition to enter these institutions is keener and that the most able students are attracted from all over the U.S.S.R.

"For several years there has been much expressed difference of opinion in the U. S. concerning the quality of technological education in the USSR. This Mission has had the opportunity to observe classes in operation, to talk with teachers and to examine curricula. It is clearly evident that thorough, scientifically based programs are in operation.

"Laboratory equipment is of good quality and in ample supply but varies appreciably between institutions. In addition, considerable imagination has been used in developing equipment to demonstrate basic principles. Textbooks appear to be in ample supply and carefully prepared. They are encyclopedic in nature and include much practical information in addition to the theory. Furthermore, an extensive background in mathematics is required to follow accurately much of the text material. It appears that the entering student knows as much mathematics and somewhat more physics and chemistry than college freshmen entering the better engineering schools in the U.S.A. The Soviet curricula afford time to give a good theoretical background in addition to much practice with problems specifically related to the student's specialty. However, the members of the Mission agree that engineering in the U.S.S.R. cannot be compared realistically with that in the U.S. because it is tailored to quite a different system.

"The delegation was accorded every courtesy by the Ministry of Higher Education and by the faculties of the institutions that were visited.

WEINER

(Continued from page 1)

explain this phenomenon, he noted that he had succeeded in giving a complete characterization of an electrical circuit—which he had been unable to do when he and Dr. Vannevar Bush attempted nearly 40 years ago to define impedance in a non-linear circuit.

Professor Wiener's main interest in recent years has been in increasing the fineness of mathematical analysis of brain waves. He mentions experiments in which electrostatic induction has been produced directly in the brain, rather than through a sense organ. "This causes," he remarked, "a decidedly unpleasant sensation."

PROBLEMS

(Continued from page 1)

on two conditions. First, the problems confronted must be relatively familiar and capable of solution using only moderately radical innovations."

Then, he continued, there must be sufficient time to explore possible solutions, and for the osmotic process of acceptance of change to occur. "The American style is least effective when it confronts issues which require radical innovation promptly."

"With respect to techniques of innovation outside of politics the national style is now less empirical than it was once, and the major institutions of the nation, both private and public, are increasingly sensitive to the problem of how innovation can be induced in large bureaucratic institutions."

WILLIAM F. BLOOMFIELD, B.S.I.E., LEHIGH, '53, SAYS:

"Join me for a day at work?"

Bill is Plant Service Supervisor for New Jersey Bell Telephone Company at Dover. He joined the telephone company after graduation, has held many jobs to gain valuable experience. Now he has three foremen and 32 craft people working for him. "It's a challenging job and keeps me hopping," says Bill. "See for yourself."



"8:30 a.m. With my test bureau foreman, I plan work schedules for the coming week. Maintaining equitable schedules and being ready for emergencies is imperative for good morale and service."



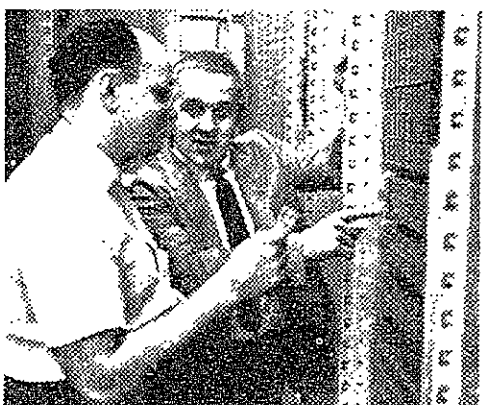
"9:10 a.m. The State Police at Andover have reported trouble with a mobile radio telephone. I discuss it with the test deskman. Naturally, we send a repairman out pronto to take care of it."



"11:00 a.m. As soon as things are lined up at the office, I drive out to check on the mobile radio repair job. The repairman has found the trouble—and together we run a test on the equipment."



"1:30 p.m. After lunch, I look in on a PBX and room-phone installation at an out-of-town motel. The installation supervisor, foreman and I discuss plans for running cable in from the highway."



"2:45 p.m. Next, I drive over to the central office at Denville, which is cutting over 7000 local telephones to dial service tomorrow night. I go over final arrangements with the supervisor."



"4:00 p.m. When I get back to my office, I find there are several phone messages to answer. As soon as I get them out of the way, I'll check over tomorrow's work schedule—then call it a day."

"Well, that's my job. You can see there's nothing monotonous about it. I'm responsible for keeping 50,000 subscriber lines over a 260-square-mile area in A-1 operating order. It's a big responsibility—but I love it."

Bill Bloomfield is moving ahead, like many young engineers in supervisory positions in the Bell Telephone Companies. There may be opportunities for you, too. Talk with the Bell interviewer when he visits your campus and get the whole story.

**BELL
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Strong Mermen Drub Tufts, Relay Team Breaks Record

Winning first places in all ten events and sweeping four of them, the varsity swimmers smashed Tufts Wednesday night, 68-18, at the Alumni Pool. The highlight of the meet was the Beaver victory in the 400 yard medley relay. The Engineer team, comprised of Neil Divine '59, Burnell West '60, Tom Ising '61 and Roger Kane '59, won the event in record time of 4:16.6, a full three seconds under the old school record.

Pete Bankson '61, in his best performance to date, took top scoring honors for Tech with wins in the 220 and 440 yard freestyle. John Windle '60 captured first in the 100 yard freestyle in a startling 55.6 seconds.

Under the expert coaching of Charlie Batterman, the mermen have shown themselves to be the strongest teams in quite awhile. They will go for their third triumph in as many meets against RPI tomorrow at 2:00 P.M. at Alumni Pool.

Engineer Pucksters Downed By Cadets In Season Opener

Opening game nervousness hit the MIT varsity hockey team hard as they were dealt a 12-0 defeat by Army at West Point last Saturday afternoon. After a poor showing during the first period, the Engineers tightened their defenses somewhat in the second session, and then went on to hold the Cadets to one goal while narrowly missing several opportunities themselves in the final stanza.

Beaver goalie Sid Altman '60 turned in a fine performance under pressure considering the fact that he had played only one period of intercollegiate hockey as netminder previously. Assisting him in holding back the smooth-skating Army machine were starting defensemen Larry Turner '59 and Hunt Schleinertz '61. Leading the Engineer offense, which was constantly improving, was the first line of center George Lerner '60, George Peckingham '59 at left wing, and George Kirk '59 at right wing.

Due to their practicing on the short Briggs Field rink, the Techmen had trouble adjusting to the long indoor expanse of ice at West Point. The home pucksters had another advantage as they already had one game under their belts.

Iceemen Swing West

The Beaver sextet will be in action twice this weekend, meeting Cornell tonight in Ithaca and Hamilton tomorrow afternoon in Clinton as they tour western New York State. This is the Big Red's first season with a full hockey schedule, and the Engineers appear to be set to give them a tight battle. Hamilton, on the other hand, has a strong squad that recently has tied Bowdoin and been edged by Colby, both of whom are perennial powerhouses.

Local fans will be able to see the MIT pucksters in action next Tuesday night when they face UNH.

Pistolmen Triumph, Continue Undefeated

By winning over Parkway 1011-1007, the varsity pistol team continued unbeaten in Greater Boston Pistol League competition. The win was sparked by the consistently keen shooting of team captain Tom Remmers '60, who fired a 269. In support were Dennis Kelly '60 with a 254, Bill Eldridge '60 and Sheldon Michaels '61 shooting 245 and 243 respectively. Another notable score was that of Gus Drier '62. In his first competition Tuesday, Drier came within one point of scoring for the Beavers. However, despite the up and coming freshmen the pistolmen will sorely miss the talents of letterman Jim Von Benken '60 who is leaving.

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Engineer Cagers Trounce Clark, 72-54, Brilliant Play In Last Half Gains Victory

Hitting from all over the court, the Beaver varsity basketball squad broke open their Wednesday evening contest with Clark University in the second half, and went on to win easily, 72-54. Rockwell Cage was the scene as first Bob Polutchko '59 and then Hugh Morrow '60 paced the Engineer offensive after an indecisive opening session. The victors' two big guns poured in 17 points apiece, with Polutchko tallying 12 points and Morrow 15 after the intermission.

The beginning of the contest moved slowly as both teams had difficulty locating the basket, however, the Engineers found the range and gained an 8-1 lead, as Dennis McGinty '59 headed the early attack. The visitors came back with their backboard domination paying the way. With three minutes remaining in the first half, the men from Worcester held a 32-25 advantage as their outside shots were unstoppable. Then a layup by Brian White '61, a foul shot by Phil Robinson '61 and a pair of free throws by McGinty closed the gap to one basket at the buzzer.

on deck	
Friday	
Hockey—at Cornell	7:30 p.m.
Squash—Army	7:00
Rifle—at Northeastern	6:00
Wrestling—Wesleyan	8:30
Frosh Wrestling—Wesleyan	7:00
Saturday	
Basketball—at Harvard	8:30
Frosh Basketball—at Harvard	6:30
Track—Boston College	1:15
Swimming—RPI	2:00
Fencing—at Cornell	2:00
Hockey—at Hamilton	3:30
Rifle—at Army	2:00
Frosh Squash—at Army	2:00

Polutchko Leads Rally

The Beaver quintet that took the floor after a ten minute break was a hustling group. During the first few minutes, four baskets by Polutchko and a jump shot by Cooper sandwiched around two field goals and a free throw by Clark gave the Engineers a 40-37 margin.

Operating with a man-to-man defense instead of the zone used in the first half, the Cardinal and Gray forced the visitors to take many bad shots. Then, to the great approval of the MIT fans Morrow recovered the shooting eye that made him the star

of the past two games, and reeled off seven points in a row. Swishing one jump shot after another, he tallied a total of fifteen points in nine minutes. With four minutes to go, Coach John Burke benched his first team, and let the rest of the victors' squad complete the romp.

Accuracy from the floor proved the difference, as the Beavers were 19 for 35 in the final half after a loose opening twenty minutes in which they hit only 9 for 36. In contrast their foes were 17-33 during their early drive, and a feeble 7 for 33 during the closing stanza, as the Engineers pulled out of reach.

Tomorrow evening, the MIT hoopsters journey up the Charles River to face their toughest opposition of the season so far, Harvard. The Burke-men will be seeking revenge for last year's 81-61 defeat.

MIT SCORING				
	F.G.	F.T.A.	F.T.	T.
Cooper r.g.	3	4	2	8
Morrow l.g.	7	3	3	17
McGinty c.	4	5	5	13
Polutchko r.f.	6	6	5	17
Robinson l.f.	2	2	1	5
Bradt	2	0	0	4
Crissman	2	0	0	4
Gaston	0	0	0	0
Pogarian	0	0	0	0
Eliot	0	0	0	0
White	2	0	0	4
Halle	0	0	0	0

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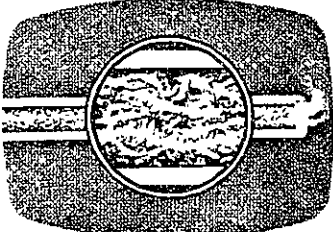
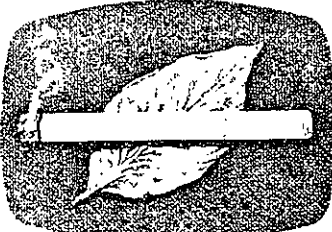
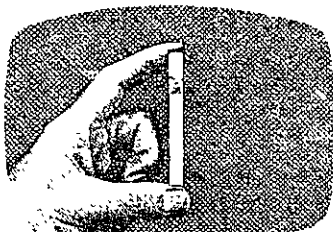


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