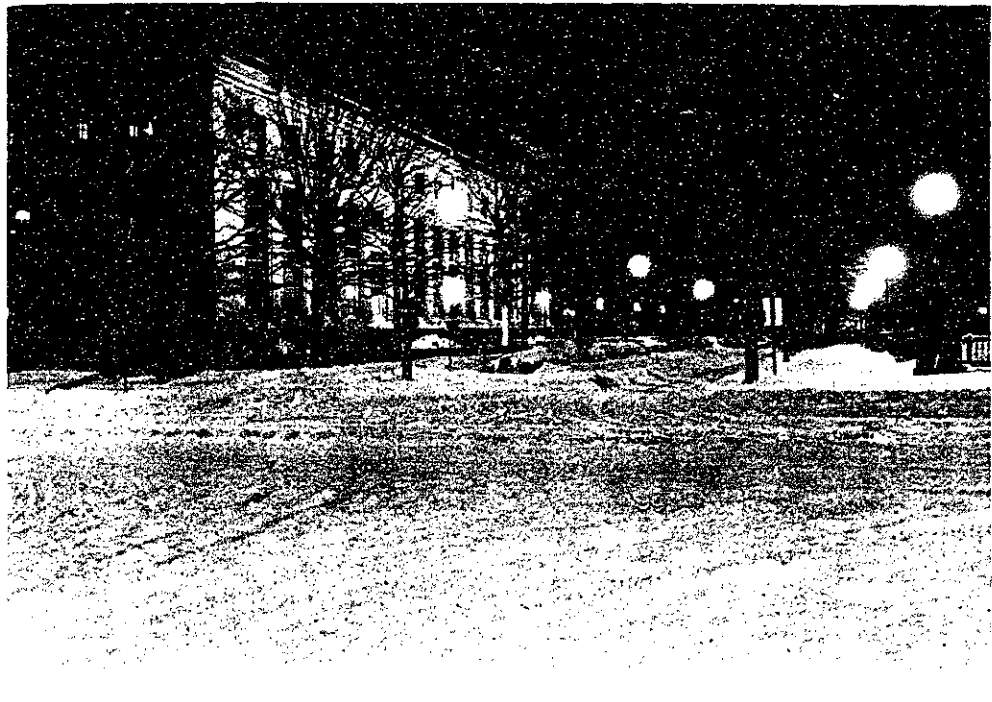


Institute Snowed - - For A Change



— Photo by Curtiss Wiler '63

Last Monday evening, the only hints of life were the lights on in Building 2.

Six Already Appointed

Faculty Members Named Kennedy Advisers

Six faculty members have been selected to advise President-elect John F. Kennedy.

Professor Walt W. Rostow is likely to be an adviser on defense and foreign policy. At 44, he is noted as an economic historian and a specialist in foreign economics. He has publicly declared that in order to be strong abroad, the U.S. must overcome the inflation and productivity problems at home. Rostow also supports increased military spending with emphasis placed on mobile, solid-propellant missiles.



Walter Rostow

A second man being tapped for an advisory post is Professor Paul A. Samuelson of the Economics Department. Samuelson, internationally known for his textbook and his pioneering of mathematical symbols and processes for use in

economics, stands on the principles of more public spending, fewer unemployed, and greater productivity. He does not believe that an increase in spending or a deficit in the national budget will cause inflation at this time.

Professor Jerome Weisner has been named as an adviser on disarmament and possibly as a special assistant on science and technology. He is the director of the MIT Research Laboratory of Electronics and the Center for Communications Science. Weisner's views on disarmament are that it can be attained



Jerome Weisner

effectively only through a phased reduction in weapons and a limited inspection rather than the present U.S. plan of total inspection. He also believes that disarmament will be achieved only when both the U.S. and the U.S.S.R. view each other's fears more objectively.

The three other men who are to advise the president-elect during at least part of the next four years are Professor Robert C. Wood, Dr. Max F. Millikan, and Dr. Lucian Pye. Wood is a specialist in metropolitan problems, and Pye is considered an authority on Far Eastern affairs. Millikan, an MIT political scientist, will be contributing ideas on foreign aid.

Kennedy has claimed that he would "denude" the MIT faculty in his efforts to form a cabinet and advisory staff.

Mile of Microfilm

MIT Acquires Unique Records

Sears, Roebuck and Company presented MIT with nearly a mile of microfilm last week. The fifty-one roll set consists of a complete transcription of the last sixty-six years of Sears catalogues. It was presented to MIT by Theodore V. Houser, a retired chairman of the board at Sears, and will be kept in the Dewey Library for the use of persons doing research in business, finance and related subjects.

Professor William N. Locke, Director of Libraries, cited various uses in accepting the gift on behalf of the Institute. "They can be used to study such things as the history of lighting equipment, changes in transportation, price indices based on commodity prices, development of commercial art and advertising," he stated.

Among the items once sold by Sears, the researcher may find artificial glass eyes for horses — a steal at \$5; 10 pounds of salt trout for only 85c, and a churn powered by your dog.

Polaris Guidance System Improved

Officials at the MIT Instrumentation Laboratory recently released information pertaining to the latest inertial guidance system now being developed for use in the Navy's improved A-3 Polaris missile. Designated the Mark II, this system contains the first digital type computer ever incorporated in a missile guidance package.

In addition, the computer, together with the super-sensitive gyroscopes, accelerometers, and other components incorporated into the system, has been so miniaturized that the total weight of the system is less than that of the earlier Mark I model.

Weight reduction, of course, adds to the range of the missile, and the A-3 Polaris will more than double the 1200 mile range of the now-operational A-1 model. Nevertheless, despite its longer range, the A-3 is programmed for greater accuracy than any previous model.

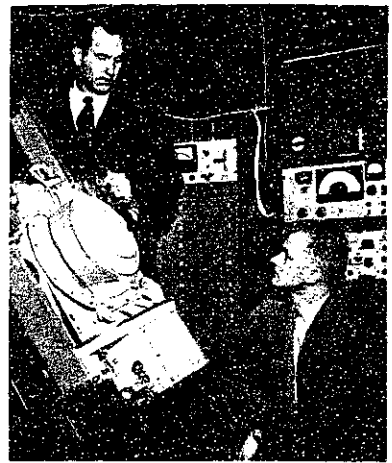
In inertial guidance, a missile is pre-programmed for a set course just prior to launching. Gyroscopes and accelerometers sense the rocket's position in space without reference to landmarks, radio, or radar signals, thus making it impervious to jamming. The information received from the sensing devices is used by the computer, which operates the rocket motors in such a way as to automatically correct for any deviation from the set path. Once a certain point in space is reached, the guidance system is cut out and the missile continues to its target on regular ballistic trajectory.



Charles Draper

MIT's Instrumentation Lab, which has been the Navy's prime contractor for Polaris inertial guidance systems since the inception of the program, is headed by Dr. Charles S. Draper, professor and head of the Department of Aeronautics and

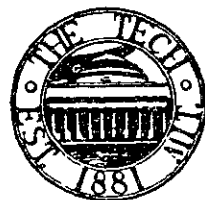
Astronautics. Dr. Draper, together with Professor Walter Wrigley, developed inertial guidance several years ago at MIT.



Ralph Ragan of Lincoln, Mass., left, and David Hoag of Medway, Mass., right, inspect a Mark I inertial guidance system for a Navy POLARIS missile.

Merry Christmas

The Tech



Vol. 80 No. 38 Cambridge, Mass., Friday, December 16, 1960 5 Cents

Inscomm Considers Calendar

By Rich Weiner '63

The extension the Technology Student Calendar's contract through the 1961-62 school year was one of the chief topics of discussion at the recent Inscomm meeting. In his report, President Ira Jaffe stated that the Undergraduate Association would review the worth of the publication at its second meeting in February. At this time, after considering criticism and suggestions, the committee will recommend its continuance or termination.

Jaffe asked all student groups or any interested individuals to consider assuming the responsibility for publishing the calendar next year in an attempt to award it to an individual undergraduate group. He also urged students and activities to submit any pertinent comments or suggestions on the maintenance of this service. All proposals must be submitted by the end of this term.

Junior Class president Max Snodderly announced that the budget for Junior Prom Weekend should be nearly balanced. He also asked opinions on certain changes in the all-Institute affair. It was proposed that a Soccer game be held on Saturday afternoon instead of or in

addition to Field Day. General opinion was opposed to both these measures as the former was too hard on spectators and the latter was an unnecessary break with tradition. There was general agreement that classes should and might be suspended next year to make the planning more effective.

President Jaffe in conclusion urged that Inscomm establish a committee to investigate the opportunities for MIT students in foreign countries. The purpose of the group would be to organize and publish a list of positions available to Tech students in Latin America, Canada, and overseas.

President's Open House, Christmas Convocation, Junior Rings,

President and Mrs. Julius A. Stratton are hosting a Christmas Open House for those students who will be on campus over the holidays. It is to be held Thursday, December 22 from 4-6 p.m. at 111 Memorial Drive, Cambridge.

The next issue of The Tech will be published January 6.

Tau Beta Pi Elects Fifty Students To Membership

The Massachusetts Beta Chapter of Tau Beta Pi, at MIT recently announced the election of the following seniors:

Adnan A. Al-Shalchi, VII; Alfred F. Anderson, VI; Michael E. Bishop, XIII; Roy K. Breon, VI; Ricardo A. Carreras, VI; Walter B. Cheever, IVA; and Roy A. Chin, X.

Also: Joseph L. Coburn, XIII; Paul M. Cox, X; Renwick E. Curry, XVI; John Deutch, X; Henry L. Gabelnick, X; Richard W. Garyine, XVI; Marshall Greenspan, VIA; Thomas E. Grout, XV; Shashi K. Gulhati, I; Michael R. Harris, VII; Curtis P. Hartwig, VI; Harold M. Heggstad, VI; Leonard I. Hess, XV; Kaare Hoeg, I; Frank P. Incropera, IIB; and Claude A. Junker, IVA.

Also: James B. Laupert, IIB; Thomas G. Lawson, IVA; Lazaro J. Mandel, VII; James L. Manganaro, X; Harold D. Meyer, II; Jerome H. Milgram, XIII; Richard F. Miller, XV; Donald E. Nelsen, VII; John G. Nelson, II; David N. Ness, XV; Kenneth W. Nill, VI; John P. O'Connell, X; Masayuki Omura, VIA; Oscar Orringer, XVI; and John S. Reed, XV.

Also: John A. Robinson, II; Farid W. Saad, II; Henry M. Schleinitz, X; Kenneth R. Scott, VIA; Harvey A. Singer, II; Glenn A. Stoops, VII; James M. Taylor, XIII; Edward C. Whitman, VIA; Daniel E. Whitney, II; Ivar B. Ylvisaker, VIA; Ronald J. Yoo, XVI. The only junior admitted was Leland B. Jackson, VII.

The traditional Christmas Convocation will be held today at 11:00 a.m. in Kresge Auditorium. All classes will be cancelled from 11 to 12 noon today for this observation, at which Dr. Huston Smith will speak. The entire MIT Community is invited. Refreshments will be served.

JUNIOR CLASS RINGS may be picked up today and Monday by members of the Class of '62 in the lobby of Building 10.

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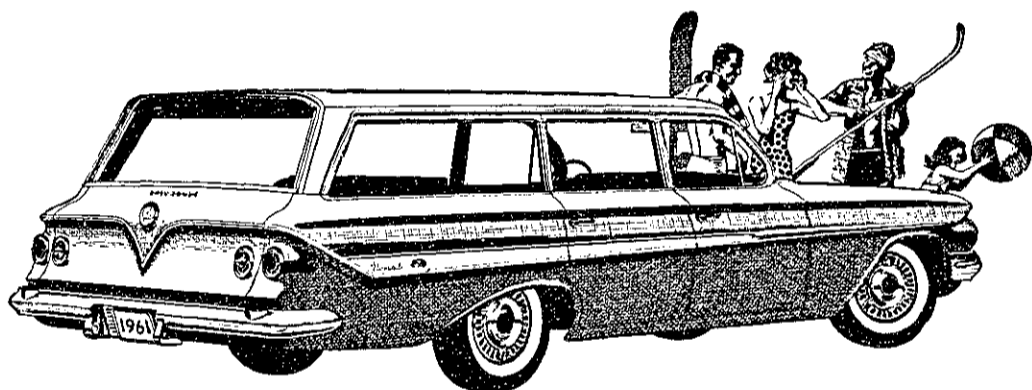
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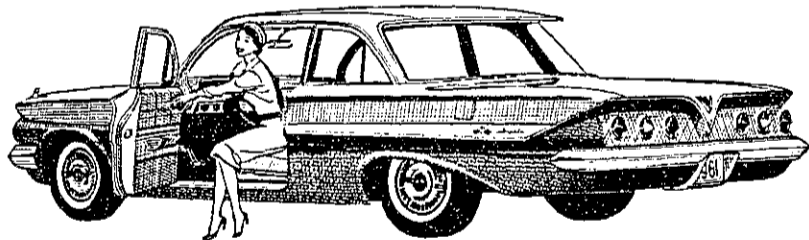
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Now you can make your car-shopping rounds the easy way—all under one roof! For '61 your Chevrolet dealer offers nearly any type of car you could want—at the kind of price that'll make you want it all the more. There's a whole new crop of Chevy Corvairs with lower priced sedans and coupes and four wonderful new wagons unlike any ever built before in the land. There are new Chevy Biscaynes—the lowest priced full-size Chevrolets, beautiful Bel Airs, elegant Impalas, six easier loading Chevy wagons, including three 9-passenger models. Come in and pick and choose to your heart's content!



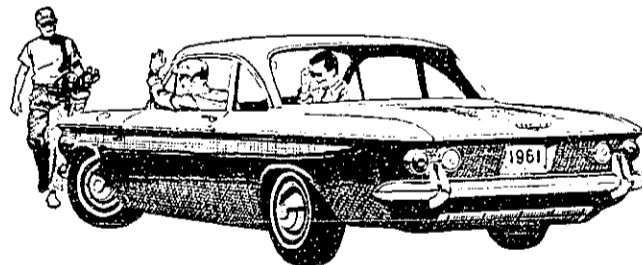
New '61 Chevrolet
NOMAD 9-PASSENGER STATION WAGON

There are six easier loading Chevrolet wagons for '61—ranging from budget-pleasing Brookwoods to luxurious Nomads. Each has a cave-sized cargo opening measuring almost five feet across and a concealed compartment for stowing valuables (with an optional extra-cost lock).



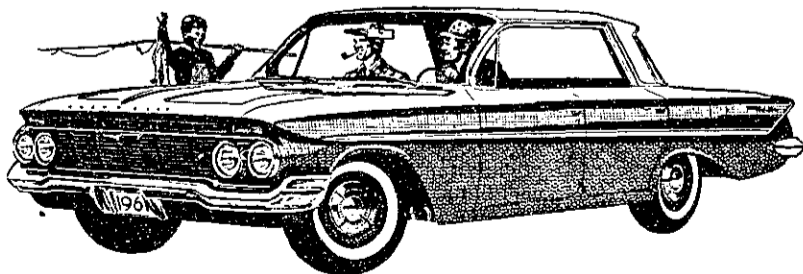
New '61 Chevrolet **IMPALA 2-DOOR SEDAN**

Here's a new measure of elegance from the most elegant Chevrolets of all. There's a full line of five Impalas—each with sensible new dimensions right back to an easier-to-pack trunk that loads down at bumper level and lets you pile baggage 15% higher.



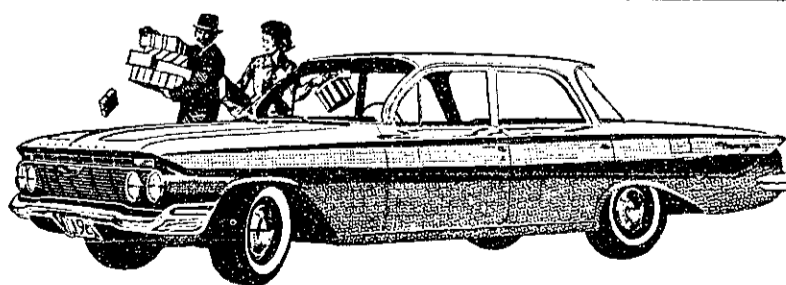
New lower priced '61 **CORVAIRE 700 CLUB COUPE**

There's a whole crew of new Chevy Corvairs for '61—polished and perfected to bring you spunk, space and savings. Lower priced sedans and coupes offer nearly 12% more room under the hood for your luggage—and you can also choose from four new family-lovin' wagons.



New '61 Chevrolet **BEL AIR SPORT SEDAN**

Beautiful Bel Airs, priced just above the thriftiest full-size Chevies, bring you newness you can use: larger door openings, higher easy-chair seats, more leg room in front, more foot room in the rear, all wrapped up in parkable new outside dimensions.



New '61 Chevrolet **4-DOOR BISCAYNE 6**

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Debating Team Places Third

The MIT varsity debating team, consisting of John Castle '63 and Steve Wanner '63 as affirmative and Walt Loveland '61 and Le Roy Kopel '61 as negative, achieved six victories as opposed to two losses to win third place in the 42-team New York University Tournament last weekend.

Only Fordham Education with an 8-0 record and Yale with a 7-1 managed to surpass the MIT squad. The actual climax of the tournament occurred when MIT negative met the Fordham Education affirmative in the final round. In a tight battle, Fordham finally edged out the Beavers, 96 points to 94, to give them first place and push MIT down to third.

The varsity was accompanied on its New York trip by Dick Smith, former MIT debater and now MIT frosh coach.

Also over the weekend, the MIT Novice debaters obtained a 3-3 record against stiff competition from West Point, Dartmouth, and the tourney winner, Bates, at the St. Anselm's College tournament. This was the Novices' first major college tournament, from which they will proceed into the regular debating circuits.

Red Tie Occasion

Senior House To Fete Beethoven

Senior House will celebrate Beethoven's 190th birthday with a party tonight. Klaus Liepmann, director of MIT music, will give the birthday oration.

On Saturday night, December 10th, sixty couples, along with Dr. and Mrs. Killian, President and Mrs. Stratton, Dean and Mrs. Rule, and Dean and Mrs. Brown, attended the third annual Senior House Christmas party in the Vannevar Bush room.

The following day each resident found in his mailbox a bright-red bow tie with the inscription, "Seasonal-type greetings, Sam and Jean Mason." Professor Mason of the Electrical Engineering Department is the housemaster of Senior House.

Monday evening Senior Tutor Professor Murray Eden threw a Storm Party in his apartment. All residents were invited to attend, the only stipulation being "Red Tie Requisite."

Christmas Oratorio At Kresge

In celebration of the Christmas season, the MIT Choral Society will present Johann Sebastian Bach's "Christmas Oratorio" at Kresge Auditorium Sunday, December 18, at 3 p.m.

Eta Kappa Nu Elects Students To Chapter

Beta-Theta Chapter of Eta Kappa Nu, national Electrical Engineering Honorary Fraternity, has elected the following students to membership:

Adnan A. Al-Shalchi '61, Stephen K. Burns '62, Philip Bursky '61, Alan G. Cameron '62, Jon K. Clemens '62, Denis L. Cogswell '62, Joseph E. Crowley '62, Jon A. Davis '62, James R. Ellis '62, Keith A. Ferguson '62, Robert J. Gladstone '62, Leonard M. Goodman '62, Thomas J. Greytak '62, Michael R. Harris '61, Harold M. Heggstad '61, Leland B. Jackson '62, Karl Joseph '61, Robert S. Kaplan '61, William S. Levine '62, Hajime Mitarai '62, Theodore T. Nieh '61, Charles W. Niessen '62, Masayuki R. Omura '61, Murray B. Sachs '62, Barry H. Sacks '61, Paul R. Schroeder '62, Kenneth R. Scott '61, Douglas W. Steele '62, Norman D. Strahm '62, Edward G. Whitman '61, and John S. Yuan '62.

The new members were formally initiated at a banquet in their honor Saturday, December 10 at Patton's Restaurant, Boston.

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The Tech



A Look At Ourselves

It is very easy, after living and working as an undergraduate at MIT for a year or more, to lose one's perspective. One tends, for instance, to measure his achievement solely by the MIT yardstick, losing track of the outside world and his relation to it.

As a group, we also have some firmly rooted misconceptions. We commonly picture the average Techman as a socially incompetent fellow who has the redeeming attribute of being the living personification of the industrial recruiter's fondest dream.

It may come as news that neither of these descriptions is a good one.

To start with, many MIT undergraduates are socially active and not at all incompetent. Much of this activity centers around the fraternities, but increasingly, the dormitories hold successful, well-attended social events of one sort or another. The many smokers and coffees given by the various departments and activities are

other places where one can see disproved the notion that Techmen in general can't handle themselves in social situations.

If MIT undergraduates underrate themselves socially, they overrate themselves as job candidates. The average number of job offers per senior is not 5 to 10 as sometimes supposed, but rather 1.5. A good position is not assured simply by the fact that one has an MIT degree.

Many seniors show themselves unwilling to take the time to prove themselves in relatively mundane tasks before taking policy positions. Such men would also be surprised to learn of the emphasis recruiters put on ability to function well as part of a group. The age of the "inventor", who single-handedly makes great engineering advances, is all but dead. The regular progress made in industrial science and engineering is in large part the work of *teams* of men.

It is not our wish to preach self-satisfaction with the current state of social awareness of the MIT man, nor decry his desire to seek top industrial positions. But the misconceptions we mention persist, and we should recognize them for what they are.

KIBITZER

SOUTH	WEST	NORTH	EAST
♠ K Q 2	♠ J 8 6 5 4 3	♠ 7	♠ A 10 9
♥ K J 4 2	♥ 10 9 7	♥ A Q 6 5	♥ 8 3
♦ A Q 7	♦ J	♦ K 10 4 3	♦ 9 8 6 5 2
♣ 9 5 3	♣ Q J 4	♣ A K 8 6	♣ 10 7 2

North-South vulnerable bidding:

South	West	North	East
1 ♣	1 ♥	2 ♣	P
3NT	P	4 ♣	P
4 ♥	P	6NT	All Pass

OPENING LEAD: ♠ 5

The odd sequence of bidding shown above occurred at one table where North-South were using the Kaplan-Sheinwald system with inverted minor raises. Since the opening 1NT bid was reserved for hands in the 12-14 point range and 1H could not be opened without at least a 5 card suit, South was compelled to open 1 of a minor. If opponents passed and partner made the expected response of 1 of another suit, South would then rebid 1NT, showing a hand of roughly the same strength as Goren would have for an opening 1NT bid.

Most KS bidders would open the South hand at 1D, but this holder of the South cards was a deceptive sort of fellow who figured that NT would be the eventual contract and an opening 1C bid would be most likely to inhibit the lead of the opponents strongest suit. West, another deceptive sort of fellow, examined the favorable vulnerability and decided that the best way to keep his opponents out of their best suit was to bid it himself. North was then faced with a problem. Holding 16 high card points and a singleton

opposite a partner who had opened in his best suit, he was not in the mood to bother with such trivia as doubling non-vulnerable opponents who would probably run to 1S anyway. Many Norths would make an immediate cue bid of 2H at this point, but this one instead chose the inverted minor raise, showing a hand roughly the same as Goren would have for a raise to 3C. South then bid 3NT, a shut-outish sort of bid showing the minimum balanced hand that he could hold without having opened 1NT originally. But North was not shut out by South's bid and went on with 4C, the Gerber ace convention, from which he proceeded to 6NT. 6H, of course, would have been a far better contract.

West opened the S5 against 6NT. Rarely is it wise to hold off one's ace against a slam, but this hand, with a singleton in dummy, provides the exception. By playing the S9 at trick 1, East could have placed the contract beyond declarer's reach. But instead he took his ace, permitting declarer to run off 2S, 4H, and 2C in preparation for a squeeze in C and D. But West's DJ dropped and the contract made. Thus West's psyche succeeded in keeping North-South out of their best contract, but East's poor defensive play gave away the slam anyway.

— Elwyn R. Berlekamp '62

Dear Sirs:

An unfortunate situation now exists with regards to the use of Kresge Auditorium.

Organizations sponsoring events in Kresge must vie with each other for time in the Auditorium, with the Office of the Dean of Students acting as arbitrator and booking agent. I do not quarrel with this reasonable and highly workable process.

Competition is fiercest for juicy Friday and Saturday night times. Paradoxically, the present policy of the Dean's office is to give priority to Saturday night *rehearsals* of certain events over *performances* of others. In particular, thousands of LSC movie followers swelter and groan in 10-250 every year because of a concurrent Tech Show or musical organization rehearsal in Kresge.

Who are we to deny that a musical presentation is of more cultural import than a mere film? This is not the point.

The Dean's Office wishes to give priority to participant events as opposed to spectator events, presumably still laboring under the "whole man" delusion. But who, having attended an LSC movie, could deny that audience participation was not evoked?

Tomorrow night a rehearsal is also scheduled for Kresge. Fortunately, Professor Klaus Liepmann and the Choral Society have generously booked the Auditorium only until 6 p.m., so we shall have our movie.

But there are other dates to come, and other rehearsals. Let us hope that the Dean's Office and the organizations involved can convince themselves that Saturday night rehearsals are *not* just another inevitable aspect of life at MIT.

Sincerely yours,
Arthur Hatch,
Chairman, L.S.C.



On Campus with Max Shulman

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

DECK THE HALLS

The time has come to make out our Christmas shopping lists, for Christmas will be upon us quicker than you can say Jack Robinson. (Have you ever wondered, incidentally, about the origin of this interesting phrase "Quicker than you can say Jack Robinson"? Well sir, the original phrase was French—"Plus vite que de dire Jacques Robespierre." Jack Robinson is, as everyone knows, an anglicization of Jacques Robespierre who was, as everyone knows, the famous figure from the French Revolution who, as everyone knows, got murdered in his bath by Danton, Murat, Caligula, and Aaron Burr.

(The reason people started saying "Quicker than you can say Jacques Robespierre (or Jack Robinson as he is called in English-speaking countries)" is quite an interesting little story. It seems that Robespierre's wife, Georges Sand, got word of the plot to murder her husband in his bath. All she had to do to save his life was call his name and warn him. But, alas, quicker than she could say Jacques Robespierre, she received a telegram from her old friend Frederic Chopin who was down in Majorca setting lyrics to his immortal "Warsaw Concerto." Chopin said he needed Georges Sand's help desperately because he could not find a rhyme for "Warsaw." Naturally, Georges Sand could not refuse such an urgent request.

(Well sir, Georges Sand went traipsing off to Majorca, but before she left she told her little daughter Walter that some bad men were coming to murder daddy in his bath, and she instructed Walter to shout Robespierre's name when the bad men arrived. But Walter, alas, had been sea-bathing that morning on the Riviera, and she had come home loaded with sea shells and salt water taffy, and when the bad men came to murder Robespierre, Walter, alas, was chewing a big wad of salt water taffy and could not get her mouth open in time to shout a warning. Robespierre, alas, was murdered quicker than you could shout Jacques Robespierre (or Jack Robinson as he is called in the English-speaking countries).

(There is, I am pleased to report, one small note of cheer in this grisly tale. When Georges Sand got to Majorca where Chopin was setting lyrics to his immortal "Warsaw Concerto," she was happily able to help him find a rhyme for "Warsaw," as everyone knows who has heard those haunting lyrics:

*In the fair town of Warsaw,
Which Napoleon's horse saw,
Singing cockles and mussels, alive alive o!*



Yes, Virginia, there is...

But I digress.

We were speaking of Christmas gifts. What we all strive to do at Christmas is, of course, to find unusual, offbeat, different gifts for our friends. May I suggest then a carton of Marlboro Cigarettes?

What? You are astonished? You had not thought of Marlboros as unusual, offbeat, different? You had regarded them as familiar, reliable smokes whose excellence varied not one jot or tittle from year to year?

True. All true. But at the same time, Marlboros are unusual, offbeat, different, because every time you try one, it's like the first time. The flavor never palls, never gets hackneyed. Each Marlboro is a fresh delight, a pristine pleasure, and if you want all your friends to clap their hands and exclaim, "Yes, Virginia, there is a Santa Claus!" you will put them at the very top of your Christmas list.

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And for further Yuletide joy, give Marlboro's nonfiltered companion cigarette, mild, flavorful Philip Morris—in regular size or the sensational new king-size Commander. You'll be welcome aboard!

The Tech

Vol. LXXX, No. 38
December 16, 1960

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Dramashop's 'Volpone' A Real Rib-Tickler

Traditionally, Dramashop major productions are extremely entertaining, but not flawless. "Volpone", at Kresge Little Theatre through Saturday, is no exception.

sympathetic character. This is because he plots more for the fun of it than for the material profit to be gained. All the rest are after wealth exclusively. Volpone is frustrated in the end because his accomplice, Mosca, becomes as greedy as the rest.

Catch Spirit of Work
Ben Jonson's satirical comedy is treated in the broad, lusty style it deserves. Almost everyone in the cast seems to be having fun in his role. This is the spirit in which this play should be approached. Jonson's point appears to be that the fun in life is provided by exercising the wits. The characters are all interesting because they are all scheming, but only Volpone himself, outstandingly portrayed by Joseph Lestyk, is a

Lestyk and Tolentino Excellent
Although he has a tendency toward too much bravado in some of his speeches, Joe Lestyk gives a superb performance as Volpone. His gestures and grimaces are practiced and his sense of timing seems to be almost flawless. Joan Tolentino, Lady Would-Be, is, as usual, excellent. The scene between Lady Would-Be and Volpone is probably the most amusing in this production. Richard Hornby, Corbaecio, and Michael Meeker, Sir Would-Be, both show themselves to be accomplished comedians.



The play has been cut, but not obtrusively, and the music is in the spirit of the work. In fact, the only alien element is a little pavanne before the mountebank scene which, unfortunately, is stumbled through and would not add much to the production if done properly.
— Allen S. Krieger '62

— Photo by Conrad Grundlehner '64
Castrone, the eunuch, (Frances Dyro '63) and Nano, the dwarf, (Lester Williams) sing to the wily Volpone (Joseph Lestyk '61) as Mosca, his accomplice, (Lane Anderson '62) plays the lute.

NO CRISIS

The Charles Playhouse has asked us to clarify a previous statement that a financial "crisis" exists there. Although the Charles will still appreciate any business it may get, no such crisis exists.

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Directed by Joseph D. Everingham
Little Theatre, Kresge Auditorium
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Guest Conductor At BSO
Boston Symphony Concert
Last week's BSO concert was marked by the first appearance here of Lorin Maazel as guest conductor. Although born in France, his parents and musical training are American. An ex-child prodigy and still young (30), Maazel has risen to a position as one of the brightest lights in the younger generation of conductors, becoming last summer the youngest man ever to conduct at the Bayreuth Wagner Festival. His small number of records issued so far has revealed an extraordinary but occasionally erratic talent, and a promising but incompletely formed musical personality. The program he had chosen for his Boston debut — Geminiani, R. Strauss, and Brahms — was veteran's work, more than adequate to challenge any conductor.
Maazel Masterful
Mr. Maazel not only met this challenge at every point, but carried the day in triumph. His bearing on the podium was commanding and dignified, his beat clear and unpretentious, and the sound he drew from the orchestra pleasing and cohesive, up to their highest standard. The opening Geminiani Concerto Grosso did not sound particularly different from the scores of similar baroque concertos written at that time, but was still a strong and well-crafted piece, displaying to equal advantage the skill of Mr. Maazel and the sheen and sonority of the Boston strings.
Expert in Strauss
Richard Strauss' "Also Sprach Zarathustra", from its 30 cps organ pedal opening to its enigmatic bitonal ending, is the archetype of the fiendishly difficult, intricate, sonically overpowering Strauss tone poem. Mr. Maazel and the Orchestra treated this Nietzsche-inspired epic to a splendid reading that did complete justice to all its sonorous points. Maazel's inspiration carried on over to the Brahms Second Symphony, which was given one of the most songful and yet spirited readings I have ever heard.

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Harvard Nips Cagers, 61-56

By Edward M. Schneider '62

The MIT basketball team sought to get back in winning form against Bowdoin last night after suffering two straight defeats to Harvard and Worcester Tech.

The Harvard game last Saturday was a heartbreaker. Tech lead at the half 25-23. The second half found the lead changing hands fifteen times. Thanks to a twelve point scoring effort by Harvard's Bob Bowditch, the Crimson went ahead 53-52 with two minutes left. The Engineers couldn't get back, and the final score read Harvard 61, MIT 56.

For Tech, Jeff Paarz '63 and Dave Koch '62 each had fifteen points. The foul shooting, which had been the bright light in the

victory over Northeastern, flickered as the team hit only 10 of 23 free tosses.

Although the temperature was hovering around the zero mark outside the Worcester gym, WPI kept things sizzling on the court Tuesday. After MIT had zipped to a 33-26 half-time lead, the Engineers found themselves up against a tight press and phenomenal shooting by Worcester. The Poly players pumped in 65% of their floor shots in the second half and wound up on the long end of a 69-60 score.

Once again it was Koch and Paarz leading the Tech scoring. They had 19 and 15 points, respectively. It was a game marred when Phil Robinson '62 struck his head falling to the floor and was knocked unconscious. Robinson should be ready for action shortly.

The MIT crowd at the Harvard game was estimated at 800, slightly outnumbering the Crimson partisans.

The Harvard and Worcester games were the first that Tech had played away from Rockwell Cage. Dribbling resumes on the home court January 10 against Union.

How They Did

Hockey

MIT 6 Wesleyan 3

Basketball

Harvard 61 MIT 56

WPI 69 MIT 60

Rifle

MIT 1427, New Hampshire 1407, Maine 1403

Swimming

Bowdoin 55 MIT 40

Fencing

Columbia 22 MIT 5

Harvard 20 MIT 7

Squash

MIT 9 Adelphi 0

Harvard 9 MIT 0

Wrestling

MIT 14 Wesleyan 14

Track

Boston College 74 MIT 39

Harvard 78 MIT 26

Hockey Team Jars Wesleyan In Opener, 6-



— Photo by Curtiss Wiler

Wesleyan's goalie goes to the ice in a scramble for the puck during the second period Saturday.

By Tom Brydges '62
Sports Editor

Showing strength not seen on MIT ice for several years, the varsity hockey team opened its campaign last Saturday with a 6-3 victory over Wesleyan. Another home encounter was scheduled for last night against Colgate, although Tuesday's game at New Hampshire was cancelled.

MIT played as a team Saturday, which has often not been the case in the past. There was emphasis on centering the puck, and it paid off. More often than not, an MIT forward was waiting for the pass in good shoot-

ing position. And usually coach Ben Martin's men were holding down the point positions.

MIT wasted little time in drawing its first penalty of the year, but the outlook brightened considerably when Mal McMullan '62, supposedly on the ice as a penalty killer, won a race



Steve Levy

to the loose puck, handled expertly past two defensemen, and came in alone on the Wesleyan goalie. His shot upper left corner of the cage at 2:45.

The crowd of 150 which braved the cold was rewarded with plenty of scoring action. At 12:48 Steve Levy '62 scored with an assist from Erik Salbu '61. Sixteen seconds later Tech goalie John Costello '62 managed

to drive the puck into his net as he tried to clear with having good control. And six seconds after that captain Salbu found the range with an assist from John Rupert '62.

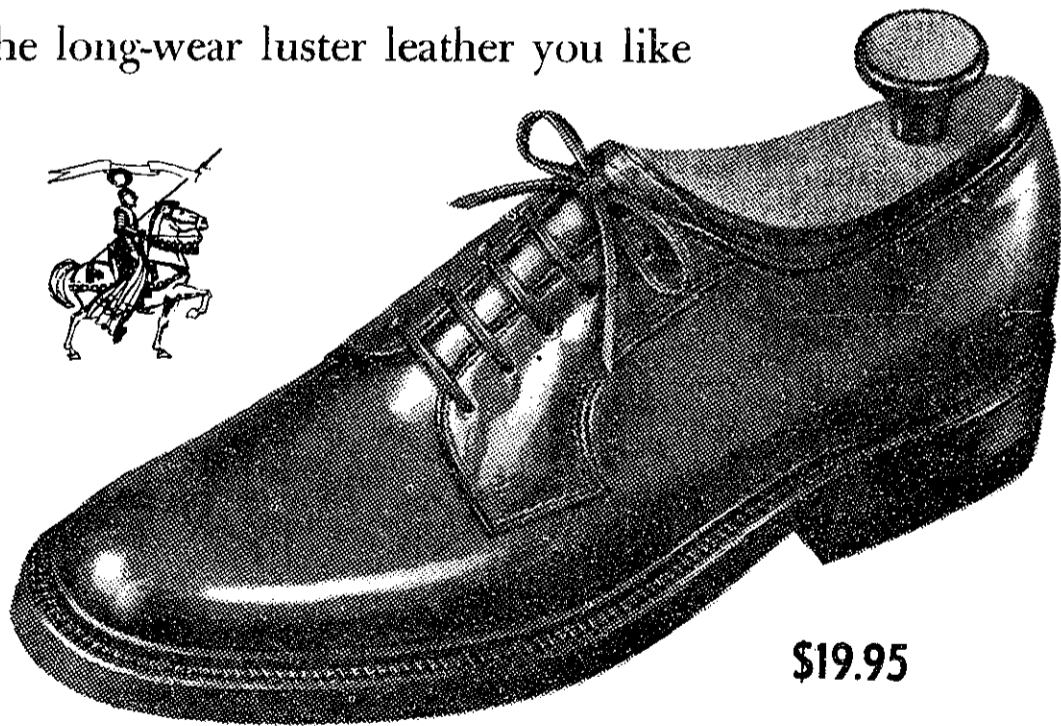
Levy scored again early in the second period and sophomore Mike Denny bounced one in on Wesleyan skate after four minutes.

By the middle of the second period the play was concentrated in Wesleyan ice as home skaters were poking and handling with amazingly great precision. Shot after shot was driven at the Wesleyan net, until at 10:05 the men from Connecticut were whistled down for handling the puck in crease and MIT was awarded a penalty shot.

Rupert, who handles a stick as easily as others handle a pencil, skated in from the blue line and slid the puck past the helpless goalie.

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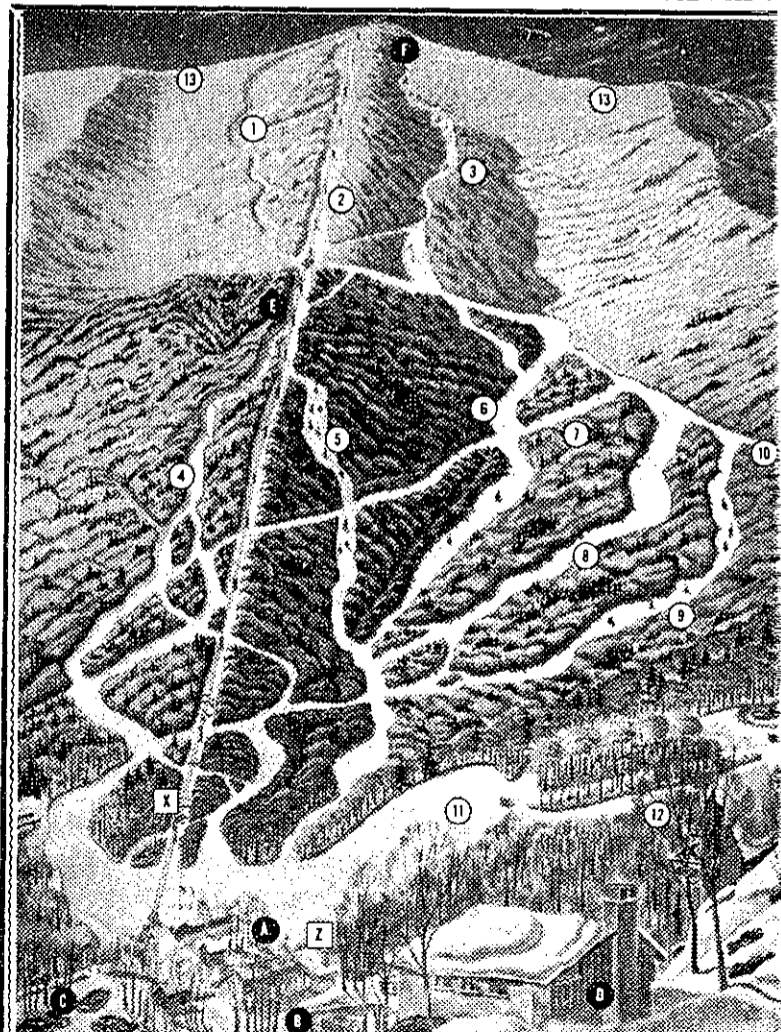


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- ⑩ Snail
- ⑪ Open Slope
- ⑫ Grasshopper and Cricket
- ⑬ The Long Trail
- ⑭ The Basebox
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Rifle Team Crushes Two Northern Foes, Remains Undefeated

The varsity rifle team maintained its unbeaten record Saturday with a victory in a three-way match at the University of New Hampshire. The Tech score of 1427 was enough to easily overcome a 1407 from U.N.H. and a 1403 posted by Maine. The high five firers for MIT were Ron Pellar '61, 288; Terry Foster '63, 285; Jerry Skinner '63, 285; Bob Clark '63, 285; and Steve Smith '62, 284.

MIT has emerged with one of the strongest teams in the New England League and hopes are high for an undefeated season in league competition. Friday Tech will be host to Northeastern and the team will have a chance to avenge its only two losses last season in the Greater Boston League.

Last Friday an enthusiastic freshman squad lost its first match of the season to the Northeastern Freshmen by a bare three points, 1346-1343. Competing for MIT were Richard Kurth, Sidney Crawford, John Timoshenko, Alan Gamse, Ralph Olah, Richard McEntire, James Bridgeman, and Ralph Owen.

Evans Scores Pin, Wrestlers In Draw

The Tech varsity wrestlers, still undefeated on the season, hit their first stumbling block Saturday, and were held to a 14-14 stalemate by Wesleyan. As in previous meets, MIT won the bouts in the lighter weight classes, but faltered in the heavier bouts.

Andy Bulfer '61 and Dave Latham '61, 123 and 130 lb. co-captains, continued on their winning ways, taking their respective tilts for MIT. Jim Evans '63 made the score 11-0, when he pinned Jim Black with 56 seconds left in the 137-lb match. The only other Tech victory was a riding-time decision for Greg Brown '62.

Stein Sets Record As Swimmers Bow

The varsity swimming team suffered its first defeat Saturday, bowing at Bowdoin, 55-40. The highlight of the meet was a record setting performance by David Stein '62 in the 220-yard freestyle. His time of 2:19.1 eclipsed the old Tech varsity record of 2:19.6 set in 1951.

Jed Engeler '62 took the 440 freestyle for the losers. Other Tech victories were by Gordon Mann '62 (diving) and captain Tony Silvestri '61 (100-yard butterfly).

The Tech freshmen maintained their undefeated status, downing Bowdoin 57-28.

Squash Team Faces Army Today At Home

The varsity squash team dropped its second meet Wednesday, losing to Harvard 9-0 on the du Pont courts. Friday they had blanked Adelphi by the same score.

Today the Techmen host Army, with action set to begin at 7 p.m. It will be their last action before the vacation.

Yearlings Upset Eagles Thinclads Downed By BC, Harvard

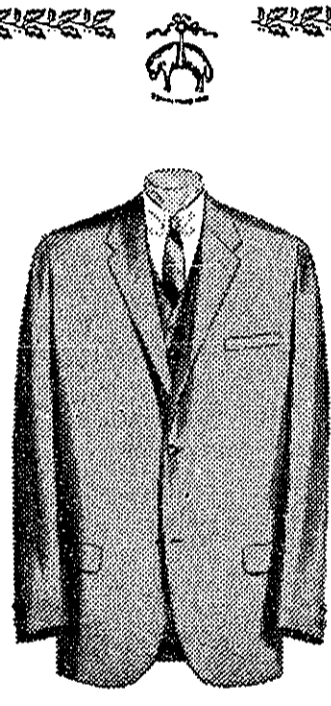
Jim Flink '64 was the man of the hour for the freshman track team last Saturday, scoring 21 points as the Beaver yearlings upset Boston College 59½-53½. Meanwhile the varsity was downed 74-39. Wednesday night both varsity and frosh traveled to Harvard, where the Crimson took their measure 78-26, and 92-17, respectively.

Joe Davis '61 was high scorer in the BC meet with a triple victory in the high jump and high and low hurdles. Don Morrison '61 tallied 12 points with a first in the 50-yard dash, tie for first in the pole vault, and second in the broad jump.

Flink scored in five events to pace the frosh effort. In addition to a triple win in the broad jump and both hurdles, he took second in the dash and high jump. Other frosh winners were Jim Allen in the high jump, Kim Sloat in the shotput, and Bill Harper in the 35-pound weight throw. Larry Feiner also turned in a fine performance, getting up from a spill to take third place in the two mile.

Davis and Morrison were the bread and butter men again at Harvard. Davis copped the high hurdles and high jump, and placed third in the dash for 11 markers, while Morrison tied for first in the pole vault while placing second in the dash. Tom Goddard '63, who was outstanding in the mile with a 4:34.6 effort for third spot, also, took third in the 1000. The remaining scorers were Paul Robertson '61, second in the two-mile; Roger Hinrichs '63, third in the two-mile; and George Withbroe '61, third in the 600.

Jim Flink, Mike Robson, Gary Lukis, Carl Dahl, Larry Feiner, and Kim Sloat provided the scoring for the frosh.



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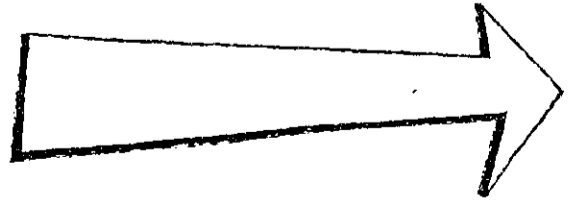
On Deck

Today, December 16
Rifle with Northeastern 6 p.m.
Squash with Army 7 p.m.
Hockey (F) with Browne-Nichols 7 p.m.
Tomorrow, December 17
Hockey at Massachusetts
Basketball (F) at Army
Pistol with Army and Massachusetts 2 p.m.
Friday, January 6
Fencing with Cornell

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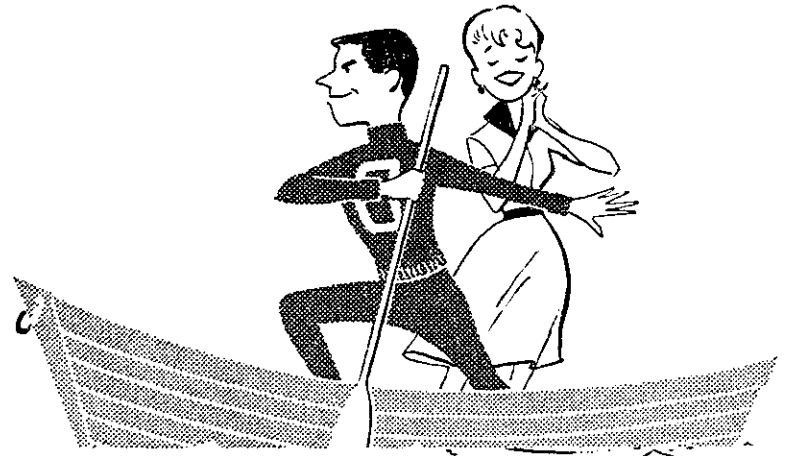
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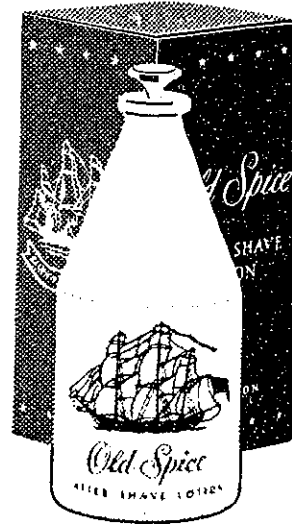


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