Brass Rats race in annual 2.70 contest

By Gordon Hall

About this time every year, a group of students prepare for MIT's biggest spectator sport. It is the 2.70 design contest, the climax of the mechanical engineering department's introduction to design course. Every year the contest follows a similar pattern. The students in the course are each given a kit from which a device must be built to accomplish a stated objective. These kits contain the widest variety of odds and ends imaginable and they include rubber bands (which cannot be used to power this year's devices), computer parts, tape, paper, and dozens of other items. This year's winning power sources are two Vulcan constant force springs and an SX-70 motor donated by the Polaroid Corporation.

In this year's contest the two competing things (as the devices are called) are placed side by side at one end of a 10 foot trough filled with styrofoam pellets. The object of the competition is for each "thing" to push a brass rat as far from the starting position as possible. The "things" are connected by a length of rubber tubing which passes through a pulley system mounted to the end wall of the trough. Thus the further a person moves his brass rat, the more he hinders his opponent.

A ten second burst of power is supplied to each "thing." A motor then activates a catch, which in turn sets in motion a stored energy source within the "thing." The "things" must stop moving within two seconds of the original application of power. The "thing" which moves its brass rat the furthest wins.

Professor of Mechanical Engineering Woodie Flowers, who has been running the course since 1971, the second year of the contest, says that "there are no big changes this year, but we keep

LOGO dying from lack of grant funds

By Kevi Osborne

Many people have heard about the "turtles" developed at MIT, but few understand how they are implemented, and even fewer know what D LOGO is. This is quite unfortunate for the LOGO group at MIT's Artificial Intelligence Laboratory, which has been doing research in the education of children. The LOGO project may soon be ended because the essential funding and support are falling off rapidly.

LOGO was initiated in late 1971 under a National Science Foundation grant with the purpose of developing a computer laboratory for elementary school children to study its use in the teaching of mathematics, art, music, and in thinking itself. LOGO was also the name of the advanced computer language developed by this group for use in "turtles," small computer-controlled devices that the children were able to control by writing procedures (programs) on the computer. The turtle has a retractable pen, enabling the children to trace the turtle's path, thus introducing "turtle" geometry. By writing their own programs to draw pictures, both with the turtles and on the graphics terminals, to do mathematical applications, to play music on music synthesis peripherals, and to simulate physical systems, the children were able to learn geometry, art, mathematics and even some algebra, music and physics. It was hoped that the computer would provide a rich and challenging environment in which students would learn and expand their intellectual talents readily.

LOGO was initially a success. It interested the children and they faced the challenge with determination and vigor. Talents began to develop, and children thought to have learning disabilities displayed normal or even superior progress. The LOGO group also learned much about the human learning process by observing the children, enabling LOGO and others to improve educational methods implemented in their programs.

Two years ago, much of LOGO's funding was withdrawn. With only one major grant left, LOGO began to decay. Children no longer come to the lab to utilize the full LOGO facility because the lack of funding has caused much of the equipment to lie in ill repair.

Determined to make a go of it, the LOGO group bunched their proposal and detailed it ready to date. Using a portable LOGO system, they went into the Brookline Public Schools and proceeded to study, in detail, the progress of sixteen fifth-grade children using the LOGO system.

Delays within the National Science Foundation caused part of this study to be curtailed, but the project is continuing on a very tight budget.
"Things" push class rings

(Continued from page 1)

Faculty passes

grade proposal

(Continued from page 1)

FACULTY MEMBERS from the previous year who are renewing their subscriptions will need to send a check made payable to the MIT Press to:

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Cambridge, MA 02139

With less than a week until the 2.70 contest, its students are busy putting finishing touches on pushing devices they have been working on all term. (Photo by Gordon Haffe)

How would Einstein theorize about O'Keefe?

Although the O'Keefe formula is secret, certain factors in the equation are well known:

1. O'Keefe has a hearty, full-bodied flavor.
2. It is smooth and easy going down.
3. O'Keefe is a basic rule of 2.70-the top will be a native of that kind of extra-fine delicate line you'll flip through quitks quickly. Last year, the effective machine made it to the top of the hill in less than two seconds. Naturally, the contest was run through at a rate of about two per minute.

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October 26, 1978
World

Soviets offer new SALT proposal — The Soviets recently advanced a new strategic arms limitations plan which apparently is more reasonable to the U.S. Soviet Foreign Minister Andrei Gromyko has dropped insistence on a range limitation on the US air-launched cruise missile — which he refused before — but continued to urge acceptance of the Backfire bomber. It is hoped that this and remaining issues can be settled this weekend when US Secretary of State Cyrus Vance and Gromyko meet in six weeks, accord can be achieved.

Karpov wins world chess title match — Soviet grandmaster Anatoly Karpov, 27, emerged as the champion from a three-month title match against the Soviet defector, 47-year-old Viktor Kortchnoi. Kortchnoi, who complained of psychological trickery, resigned after the 32nd game. Both Kertchnoi, a resident of Switzerland, and Karpov, winner of the match and of $400,000, are scheduled to play soon at the chess olympiad in Buenos Aires.

Nation

Federal government to pay for Maine Indian claims — The Federal government, not the state of Maine, will pay $27 million to the Maine Indian tribes — the Penobscot and the Passamaquoddy — as well as 40,000 hectares of land worth $10,000,000, Agreement was finally reached after the 10-year-old land claims on almost 5 million hectares of land and $12 billion in retributions was settled last Wednesday.

Local

King lead over Hatch decreasing. — With 18 days left until the election, Democrat Edward King has a substantially lower margin over the other major contender, Republican Francis Hatch Jr. In the Clark poll taken earlier this week, of those who were "highly likely" to vote, King had a 40% to 39% lead with 2% undecided. This sharply contrasts the polls taken three weeks before, when King was ahead by 25%-32%.

Ballot Counter Jobs

for Nov. 7

State Election

City of Cambridge

If you are a registered voter in Cambridge, or want to earn $14 counting ballots from 8am until the ballot count is completed the night of November 7, call Sandy Scheir 676-6784 after 8pm.

[Advertisement]

news roundup

the art of style.

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the fear of math & how to conquer it

Overcoming Math Anxiety

Whatever you call it — math anxiety, fear of figuring, math avoidance—the defeat, even terror, that many feel when faced with a math problem that adds up to a national crisis, subtracts tragically from our human potential, and sharply divides those who can from those who can't in today's highly mathematical world. This book is an analysis and the beginning of a cure. Its message: You're not dumb; you've just been intimidated by poor schooling, murky texts, and mythologies.

Norton $10.95

Published by Norton
Opinion

SAA divestment? Think again

By Arthur Hu

Add now, from the people who brought you the Grogo Incident: The South Africa Scenario. Here's the pitch: "This institution is profiting from the misery of thousands through investments in such crucial corporations as GM, IBM and Ford. We, your family, care, and the light bulbs you are reading by are glaring symbols of the wrong kind of humanity ever seen. Join our no-lose, non-violent, and we will defend this evil." I'm sorry to be sarcastic, but the SAA protest at MIT is starting to look like a childish, curling shape. It'll be the first in a series of hunger, poverty, and discrimination should be stopped, but I'm not sold on divestment, or wholesale condemnation of South Africa. Why should this nation be singled out, when many "people's governments" are worse without even trying? Ending apartheid will not mean that millions have already spent on the Tellico Dam and it is "high time to reap the benefits of this investment." More generally, the legislation will also give the Interior and Commerce Departments the power to exclude any portion of a proposed project from the Endangered Species Act if the agency determined the benefits from exclusion would outweigh the environmental benefits of preserving the species' habitat.

Although the House bypassed the Endangered Species Act by approving the Tellico Dam, which was planned originally to extend the program for three more years, doubting questions that the act might lose its funding and thus its power. The act currently employs almost two hundred Interior Department personnel, who enforce the bill for the present and endangered species and search for and classify new ones. The national budget for the Endangered Species Section of Interior is planning on adding one thousand more plants and one hundred new animals to the current list.

The Supreme Court decision in favor of the Endangered Species Act may also force Congress to re-consider several other projects. Whipping up a steam of interaction, the time has come to recognize the narrowing time in which the Narrows Dam in Colorado and the Grayrocks project slightly north. The Air Force space shuttle program, currently having funding problems, is further encumbered by the environmental effects on brown pelicans and peregrine falcons of its California sites. The most interesting case outside of the snail darter, though, is the $560 million Dicklyn-Douglas Dam in Maine, which impairs the little known furry labor pains.

Most of the environmental issues of these projects go beyond a single endangered species. The snail darter is only symbolic of the ecological effect of the Tellico Dam, which was planned originally to extend the program for three more years, doubting questions that the act might lose its funding and thus its power. The act currently employs almost two hundred Interior Department personnel, who enforce the bill for the present and endangered species and search for and classify new ones. The national budget for the Endangered Species Section of Interior is planning on adding one thousand more plants and one hundred new animals to the current list.

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Corning Glass Works representatives will be in room 66-366 of the Chemical Engineering Department on November 3, 1978 to discuss career opportunities with graduate Chemical Engineering students.

Corning Glass Works representatives will be in room 12-170 of the Career Planning and Placement Office October 26, 1978 to discuss career opportunities with senior and graduate engineers.
Dramashop shines in season opening

By Margie Beale

The MIT Dramashop opened its 1978-79 performance season on October 12 with an enjoyable evening of thoughtfully selected and perceptively interpreted one-act plays, all exploring the relationships of various couples, both heterosexual and homosexual.

The evening begins with a brief curtain-opener, For Ever and Ever, a vignette in which two young lovers exchange affectation engagements vows and discuss their future together. Although not extremely original, the material is fairly clever, and definitely relevant for a college audience. Michael Guettet and Victoria Chang seem rather awkward and adolescent in their roles at first, until it becomes evident that the youthful attractiveness was precisely the desired effect. The two are inconsistent in their desire, and their performances are generally charismaless and humorous. The twitching of ubiquitous spring birds adds an amusing touch to the more fantously romantic moments.

Sacred Ground, the second piece, is a far more serious treatment of romance. Set in the 1890's, it is the story of a weak, jealous husband who discovers that his beloved wife, Anna, has never loved him, and has ceased to love her through letters she has written him, purely from a sense of duty to her husband, rejecting his affection.

Here, Susan Downing gives a witty, if somewhat off-putting performance as Madeline, the servant girl continually fearful of Paolo, the jealous spouse, with details of village gossip concerning the death of his wife's lover. Mario, Paolo's brother, is played with a great deal of consistency by Ron Lyon, who is to be commended for his sense of timing and his sensitivity to the dynamics of a scene. Barbara Mast portrays Anna, the daftful, yet understanding wife, with a remarkable amount of dignity. Here is a finely-drawn characterization which makes her more thoroughly convincing than the other performers in this play. Steve Solnick delivers a sensitive and humorous, yet somewhat earnest performance as theatorium and ineffectual Paolo. He is quite amusing in the scenes with Susan Downing, but loses his rhythm in his dialogue with Ron Lyon. However, his scenes with Barbara Mast are obviously well-rehearsed, both he and she do some excellent acting together.

Still, the final play, Harold Pinter's The Collection is the highlight of the evening. The play, and exploration into the delicate balance of emotions and the exquisite uncertainties that make up human relationships, is consummately well-constructed, and is given a beautifully modulated, subtly clever interpretation by its cast. Bill and Harry, two homosexual dress designers played by Albert Ruesga and Steve Bertozzi, respectively, become involved with James and Stella, played by Mark Schler and Joanne Beldini, after they meet the designer to find out the truth. Bill and Stella meet at a design show in Boston, and James must know whether his wife has gone to bed with Bill, and determines to meet the designer to find out. Bill and Jim are truly funny in their initial encounters for the roles' good-naturedly intimidating, rather sheepish Bill is in marked contrast to Mark Schler's brilliantly distracted and insistently curious James. Steve Bertozzi is properly prissy as Harry, while Joanne Beldini speaks eloquently through her facial expressions as the discomfited and insecure Stella. The more laughable moments in the play are whitely played, but unfortunately, Pinter's bizarre humor is often played up to the point that some of the play's more sinister aspects are obscured.

Despite flaws, the work of the MIT Dramashop evidences much talent and careful, sensitive evaluation of dramatic material. If its set of major production, Aristophanes' The Frogs, to be performed on November 16, 17 and 18, is executed with similar taste and skill, it will be well worth the playgoer's time and attention.

The living laser

By Todd Chan

The laser has been an important tool of man since its invention. Lasers can be used to treat cancer, aim guns and missiles, and as a communication medium in the telephone system. Like every tool, however, the laser needs a night off; and what a night off it is at the Laserium. Laserium is the new, highly-powered, psychadelic form of entertainment now playing at the Hayden Planetarium at the Museum of Science.

A one watt Krypton gas laser is used in conjunction with electronic and optical devices to make incredible moving patterns of color which pulsate and swirl with the background music. Some of the more notable songs were "Tank" by Emerson, Lake & Palmer, "Set the Controls for the Heart of the Sun" by Pink Floyd, "Timeless" and "Selections from Simon and Garfunkel's Bridge Over Troubled Water" by Billy Joel.

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Laserium is the new, high-powered, psychadelic form of entertainment now playing at the Hayden Planetarium at the Museum of Science.
Time Passages not sublime passages

By Joel West

Take a few uninspired lyrics, fold in 20 minutes of instrumental solos, blend in a cup of alto sax, and homogenize well for 45 minutes. What you end up with is Al Stewart's latest album, Time Passages.

This is Stewart's first release of new material in two years. The success of Year of the Cat made his name a familiar one to radio listeners; consequently, he has a new label (Arista) and corresponding concert ticket prices. Unfortunately, the old talented Al Stewart who appeared at January's Electric Circus did not return.

One of the main attractions of Al Stewart's records has been the quality of his lyrics. While many songwriters recount endless broken hearts or perverse sexual predilections, Stewart wrote an entire album chronicling the 20th century: Past, Present, and Future is a model in thematic unity. Similarly, his latest effort, Love Chronicles (released in last year's The Early Years) is a highly personal approach to a common enough theme in pop music; the title track will never receive substantial airplay, due to its length (over 10 minutes) as its inclusion of one of the "Seven Deadly Words."

One of the main themes of the album is that the vocal material is the filler. This drummer must be pretty bored by now. The remaining vocal passages say nothing. The pattern is repeated over and over again: 30 seconds of prelude, a long interlude, and a 45 second postlude; the overall impression is that the vocal material is the filler. This is a stark contrast to "On the Border" (from Year of the Cat), which opens with a powerful piano solo that leads into a story of gunrunning during the Spanish Civil War.

"The Palace of Versailles" is probably the oldest song on the album; Stewart introduced the song to concert audiences during his summer tour a year ago. Though there is a coherent idea to the number, it is subordinated to the instrumental passages: a long interlude plus an equally lengthy fade-out comprise more than half the song.

With a message, there's not much left to distinguish Al Stewart from countless other FM-oriented U.S. recording artists. His instrumental writing for keyboard and guitar are o.k., but his bass guitarist and drummer must be pretty bored by now. The sax, once a charming clanging to "Year of the Cat," loses its effect through overuse; he certainly didn't need to add a string section. Although Stewart's voice is somewhat better than Bob Dylan's, the image of Stewart as a Glasgow Dylan is not entirely inappropriate. Understandably, Al Stewart sought to break out of the mold of his past with this album, but in doing so, he can himself in the mold of other, less creative rock musicians.

For those who have not entirely given up on Al Stewart, his current tour will bring him to Boston on November 5. Ticket prices are $8.50 and $7.50, and are available Mon.-Fri., 10am-4pm at the Music Hall, downtown.

Laserium show

(Continued from page 6)

"Switched on Bach" fame, and the inevitable "The Blue Danube" by Strauss. "Tand" starts at the beginning of Carl Palm's powerful 16-piece solo which features three strangely shaped objects exotically bouncing off each other as dozen were hit and symbols crashed. Another song entitled "Pop Box," performed, coincidentally, by The Peppers, includes four five pointed stars literally grooving around the planetarium dome. The background is supplied by the planetarium's own projector, giving the effect of being in outer space. At times the stars in the heavens were rotating so quickly, one got the feeling of motion.

One of the most spectacular effects occurs during "The Blue Danube." Similar in appearance to the space station in A Space Odyssey, a large ring appears and begins to rotate slowly. Soon two other rings appear and within the largest one, each placed at a 90 degree angle with its nearest neighbor. Throughout the song, the rings change in size and shape, at times resulting in beautiful patterns.

The most striking element of Laserium, however, is its lack of structure. Unlike other forms of entertainment, the Laserium does not force the viewer to do anything, or even think in any special way in order to enjoy the show. One may just as easily use the concert to relax as to achieve a drug-like high. In any event, one walks out of the planetarium feeling like an extraterrestrial has just taken place. I urge anyone who can afford the $5.00 admission fee to even learn something about themselves.

Showtimes are: Thursdays at 7:00, 8:15, and 9:30; Fridays at 9:30, and 10:45pm; Saturdays at 5:30, 7:00, 8:15, 9:30 and 10:45pm, and Sundays at 5:30, 7:00 and 8:15pm. Tickets may be purchased at the planetarium box office and all Ticketron outlets. For more information call 723-4586.

AROUND MIT

The MIT Symphony, David Epstein, conductor; Ellen Haussman, cellist soloist. Korngold's Overture; Dvorak's Cello Concerto in A Major; and Schubert's Piano No. 3 in D Major, St., Oct. 21, Krige. $1 at the door, free tickets in Lobby. 10.

Death of a Salesman, the MIT Community Players in Krige Little Theatre, 8pm, Nov. 1,21, 26, 27, and 28 at 8pm, with matinee Oct. 22 & 23 at 8pm. Tickets $3.50 at box office, or $3 in advance. For info call x34720.

Much Ado About Nothing and Romeo and Juliet will be performed by the MIT Shakespeare Ensemble. Much Ado will run on Oct. 26, 27 & 28; Romeo and Juliet will run on Oct. 27, 29, 30 & 31. On Thurs., Sat., Sun., Mon., and Tues. all seats cost $2. On Fri. and Sat. seats cost $1.50 and $4, with a $1 student discount. Tickets are available at the door or in Lobby 10. All performances begin at 7:45pm in the Sala. For information call 253-2903.

AT THE MOVIES

This weekend's LSC line up:

2001: A Space Odyssey Fri. at 7 & 10pm, Sat. at 7, 10pm, Sun. at 7 & 10pm.

Seven Samu 1 (Classic) Fri. 7:30 in 10-55.

The Lavender Hill Mob Mon., 6:30 & 9:30.

IN THEATRE

The Crucible, Arthur Miller's drama, will open the Emerson Theatre Company's 1978-79 season. Performances are through Sun., Oct. 15, and Tues., Oct. 17 through Sun., Oct. 22 at the Emerson College Theatre, 130 Beacon St. Tickets are $2.50, for information call 536-0862.

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Through November 18 we will include 2 Application Pacs, 2 Solution Books, and a pack of magnetic cards — a $110 value — FREE with the purchase of an HP 67 - $379.98, or HP 97 - $659.98. Or if you prefer, the HP 19C — a continuous memory, hand-held printing calculator — $249.98. We will include a $30 software value — 2 solution Books, and 2 packs of thermal paper — FREE with the purchase of an HP 19C

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2001: A Space Odyssey
PRESENTED IN 4-CHANNEL MAGNETIC SOUND
FRIDAY 7 & 10
SATURDAY 2, 7 & 10
ALL SHOWS IN 26-100
Tax status may hurt frats
By Ron Newman

"This, like many legal ques-
tions, has the potential to screw us royally," said Joe Chapman '79, chairman of the MIT Interfraternity Conference, at last Wednesday's IFC meeting.

What's worrying Chapman, and many other people connected with MIT's fraternity system, is an ambiguity in the enabling legislation for Massachusetts Classification Amendment, which will be Question One on the November '78 ballot. The Amendment, if passed, would allow cities and towns to tax up to four different "classes" of properties at different rates. An enabling act, HR 6054, defines the four classes of property as "commercial," "residential," and "industrial and manufacturing."

But this usually precise statute, which devotes over a page to the careful definition of those four terms, has a hole just big enough for a fraternity to fall through. HR 6054's definition section ends with the sentence, "Residential property shall not include a hotel, motel or lodging house." The statute fails to define "lodging house."

Lowell Richards, Deputy Director of Fiscal Affairs for the City of Boston, claims that the reference to lodging houses "slipped into" the bill, and would be ignored by the city. But such statements from city officials fail to reassure Chapman and other fraternity people.

In order to operate at all, according to Chapman, fraternities are required to buy "lodging house licenses" from the city due to the large number of unrelated people living together in them. And under Classification, the difference between residential and commercial property will be substantial: a building worth $100,000 on the open market would pay $4960 as a residence, but $12,000 as a commercial property under Boston's current tax rate of $256 per $1000 of assessed value.

But fraternity residents will find it difficult to dismiss classification just because of this risk. In next month's election, the alternative to classification will be not the status quo, but rather "100% valuation," a court-ordered scheme to tax all property at the same rate regardless of its use. A recent study prepared for the Massachusetts Mayor's Association estimates that under 100% valuation, residential property owners (and indirectly, renters) will have to pay $263 million in property taxes that are now paid by business.

"Next week: A look at the history of 100% valuation and the growing opposition to it," said Chapman.

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THE UA NEWS

The next meeting of the General Assembly will be this coming Thursday evening (October 26) at 7:00pm in room 400 of the Student Center.

The topics to be discussed this week are: the eleven college conference that is currently in its planning stages; the possibility of joint ventures with other colleges in the greater Boston area; the Tuition Assistance Fund and several possibilities for UA Social events.

Also, in the near future the UA will be sponsoring Wednesday Afternoon Social Hours with Faculty and Students to discuss specific topics in an informal environment. The first of these will be "The Student-Faculty Link: How can we increase communication at MIT?" Check the UA bulletin board for details.

NomComm Hearings
Monday October 23, 1978
7:00pm IAP Policy Committee

This committee was established to deal with policy matters and the continued evaluation of the Independent Activities Period, and to work closely with the Committee on Educational Policy in reviewing IAP within the context of the total academic environment. It reports fully to the faculty at intervals of not more than four years.

7:30pm Ad-Hoc Committee on International Institutional Commitments

The committee shall review the scale and nature of MIT's international contractual commitments for educational and/or research or service (whether at MIT or abroad) and report to the faculty. The committee shall stand ready on request to consult with the administration or faculty initiators of projects that involve such international commitments. The committee shall make a final report at the end of its term. This report shall include a recommendation as to the committee's continuation on a permanent basis.

If you have any comments, questions or suggestions relating to the UA call Barry Newman or Tim Morgenthaler at x3-2696.

Get Involved Now!
MIT now has only a club football team but for many years the only football here was the freshman-sophomore competition in Field Day. An article on some of the other events of Field Day and the traditions surrounding them will be appearing soon in The Tech.

(Photograph from MIT in Perspective.)
Mountaineering #5.

REGULATION GARB

You, a faithful follower of this space, have been a mountaineer for some time now. You've studied the fundamentals, selected your gear and experimented with methodology. In short, you are nobody's fool. Nonetheless, you also know a little knowledge is a dangerous thing. So you want to learn more. Smart thinking.

First, you must realize that once the basics of mountaineering are mastered, it is only nuance which distinguishes the true artist from the merely adequate. Therefore, attention to detail, especially in matters of clothing, is vital.

Always protect the head according to seasonal fluctuations. In winter, a warm hat is mandatory. (The head, after all, is the chimney of the body. Avoid cerebral heat loss - it diminishes your psychophysical abilities.) In summertime, a sun visor or a billed cap will guarantee crucial visibility among the craggy peaks.

Pay particular regard to your footgear. Shoes should be sturdy and stable. A secure footing is of utmost importance. Without it, you're asking for trouble. Point of order: while mountaineering is pursued for fun, it is neverthe-

less serious business. If you are going to down the mountains, rather than vice versa, you must be confident of your standing. Between the head and the feet lies the area known to pros as "the body." Mountaineering bodywear is usually based on personal preference. However, keep a keen eye out for one common criterion. Your clothes should be comfortable and flexible, allowing for open movement, specifically in the vicinity of the arms. A free and responsive arm is a mountaineer's best friend.

Certain accessories, of course, complement and complete the regulation garb. Expedition flags to mark your territory in public places, connecting ropes for those who prefer the security of mountaineering in tandem and backpacks filled with beer nuts, mugs, bottle openers and other paraphernalia. Beyond these standards, wardrobe styles range from the rustic to the refined. And well they might, for mountaineers are a rugged and individual lot, joined only by a common taste for excellence.

BUSCH

Don't just reach for a beer. Head for the mountains.
By Connie Cotton

The MIT Women's Rugby Club claimed an impressive third victory of the season Sunday afternoon at Briggs Field by tallying the visiting club from Dartmouth, 48-0. Tech dominated the game from start to finish, but Dartmouth became tougher the more they fell behind, and the match was a rough one.

 queries the MIT maintained possession of the ball throughout most of the game, but on the few occasions that Dartmouth managed to get the ball, Tech's defense prevented all attempts at a score. With a half-time lead of 28-0, MIT came back in the second half determined to achieve their second shut-out of the season.

Tech's backs provided the eleven scores of the game, with Nancy Breen '80 leading the field with seven out of the eleven tries.

M. rugby calls it clobberin' time

By Tom Bryant

(Editor's Note: Tom Bryant G is the MIT Rugby Football Club Coach.)

Last Saturday, the MIT Rugby Club had its best victory in years. They defeated the Boston Gentlemen 30-6. Unlike former matches, including the New England Championship of 1974, this game featured a surfeit of tries. The Beaver Ruckers put together six of them, the highest total for an MIT RFC A-Side in at least four years.

On a rainy day, with several glorious puddles available, MIT displayed a remarkably open and fast-paced style. Several good gains were made by the backs, particularly by Jim Barber G in his first game on the left wing. After a miserable first half which saw several knock-ons, full-back Tom Bryant G and fly-half Dan Seigal G began to set up the forwards with well-placed kicks and quick counter-attacks. For their part, the forwards had the best day of the season by far. A strong and well-balanced pack consistently outmatched and outshoved a larger group of Gentlemen.

The six points for the Gentlemen came from penalty goals, the first time in quite a while that the MIT side has refused to yield a single try. In fact, the Gentlemen were within ten meters of MIT's line only once in the match.
By Rich Ascione

The MIT volleyball team was blanked at two weekend tournaments and dropped a 3-2 decision to Bridgewater last Thursday. Coach Dave Castanon reorganized the offense in order to make better use of his three experienced players, particularly Karen Samuelson '81 with her setting and hitting abilities.

The new offense paid off Thursday night as Tech routed Wellesley, 1-1. In the first game, Tech compensated for a sloppy start with good spikes and setups. The BassetIs dominated the net with Wellesley hitters and built up an 11-2 lead. Wellesley rallied, but MIT held on to win 15-13. Tech recovered from a 7-4 deficit in game two with 10 unanswered points in route to a 15-8 victory. Tied 9-9 in the third contest, the team began to get careless and fell apart, losing 15-9. Wellesley kept its momentum going in game four, but Tech battled back from the short side of a 3-2 score with sharp setups and effective scoring hits, led by Kathy Chrien '80. MIT went on to win, 15-10.

During the first two games, Adra Smith '80, Samuelson and Chrien found holes in the Wellesley secondary with very effective offensive hitting. This offensive deterred late in the third game when the women began to get in each other's way and to fail to set up plays properly. Chrien and Smith came through in the final contest with clutch plays to preserve the victory.

Coach Castanon noted that the new offense has shown better movement and that the women are playing much better with it. The new offense provides the consistency which they lacked earlier, especially by allowing them to attack better. Chrien commented that the new setup requires more running and thinking; this prevents the girls from getting nervous and stiff. This complements well the already fine defensive play that the girls have shown. The team is hindered by a lack of height, but the new offense narrows the gap.

Volleyball whips Wellesley, testing their new offense

“Head” opens crew season

By Cindy Cole

The MIT women's rowing team was last year's Womer's Eight, Stroke Diane Medwed '80 and Coxswain Debbie Utko '80 raced together for the first time last Saturday. They emerged victorious from a hotly contested race with St. Catherine's, a prestigious Canadian rowing club. This is the squad's first trophy since a similar four won the Patsy Bisciglia Cup two years ago.

Due to restrictions on the number of entries per school in one event, the women will also be rowing in the men's Junior Eights race. Jessy Kerr '79, returning from an early season illness, will be rowing the eight. In the men's division, the Varsity Heavyweights are boating a Club eight, and Elite four, stroked for the second year by George Florentine '80, and a pair.

The lightweight men, under their new coach Tom Howes, are entering a Light eight and a Light four.

Hartley Rogers, Assistant Provost at MIT, will be defending his 3rd place finish in the Veteran Singles. Two graduates, Dennis Lynch '72 and Mike Neff '76, will be rowing a double scull.

Head Coach Pete Holland predicted that they would be “smooth but fast.”

The annual reunion of the 1973 Varsity Heavyweight Boat will again take place when they all gather to row in the final event of the day, the Elites eights. Although in their heyday they were one of the fastest crews MIT has ever seen, two years ago they beat the winning women's eight by a mere .7 seconds. Undaunted they returned last year to smash the women's eight by almost a full length.

The crew extends from BU's dock to the WBZ tower on Soldiers Field Road. Good vantage points include any of the 6 bridges, the finish line or along the shore near Harvard. Boats will proceed up the right side of the river at 10 second intervals and will be numbered consecutively for identification. Unofficial race results will be available at the finish line.

Come on out to the banks of the Charles to cheer MIT's crews to their first win of the season.

**Oil Pollution of the Oceans: A Tanker Owner's Perspective**

**Lecturer:** Erling D. Nøeas

**Chairman:** Douglas H. North

**Moderator:** Dean A. Horn

**Panelists:**
- William M. Benkert
- Robert R. Dykman
- John M. Lease
- Joseph M. Murphy

**College Program:** MIT Sea Grant

**The 7th Annual Sea Grant Lecture and Symposium**

**Tuesday**

**5pm**

**Kresge Little Theatre**

**Massachusetts Institute of Technology**

**Panelists:**
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