



## Mueller Unfolds Theory On Foundation of Optics

Dr. Hans Mueller, Professor of Physics at the Institute, outlined a completely new method of attacking the problem of the nature of light in a talk given before the Physics Society last Tuesday at 5:00 p.m. in Room 6-120. This new method of attack has already led to a new theory, as yet incomplete, which may very possibly revolutionize the teaching of optics, and drastically change our concept of the nature of light.

which it takes several days to obtain using the old system. Not only do these results furnish a graphic illustration of the greater simplicity and workability of his system, but they also prove conclusively that his methods are correct.

A great deal of Dr. Mueller's work is concerned with the polarization of the light beam. Although this phenomenon is well known, he has made significant contributions to our knowledge of the fundamental

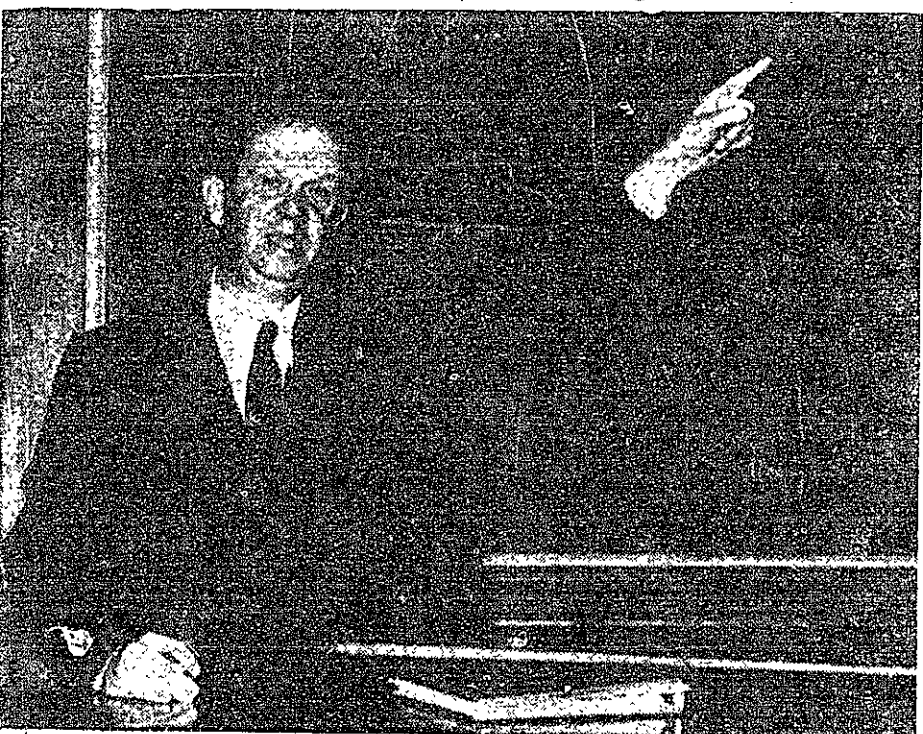


Photo by Winquist

Professor Mueller pointed out that almost all other fields of physics are founded on empirical laws gleaned from experimental data, whereas optics is based upon a hypothesis for which an attempt is made to find experimental corroboration. He has devoted five years to developing his new method of attack, based on experimental laws, and to developing the mathematical treatment of these laws.

His unique method of analysis utilizes a new type of algebra which he has worked out, rather than the usual cumbersome method involving differential equations. Using this method, he has been able to obtain results in a few minutes,

nature of polarized light.

One of the most important applications of his theory is in the field of optical instruments. He has proven the possibility of designing instruments of an entirely new nature which will make measurements heretofore unobtainable.

As yet Professor Mueller has published nothing on his new theory, although he has lectured twice before professional groups. His book, "Foundations Of Optics," which will set forth his methods and theory in detail, is expected to stimulate considerable discussion when published, since his theories and conclusions differ so radically from the conventional treatment of light.

## All-Tech Sing Called Off, Lack Of Response Blamed As Only Four Groups Enter

### L.S.C. Presents Fuller's Ideas About Geometry

Creator Of Dymaxion House, Car To Discuss His New Mathematics

On Monday, March 6, at 5:00 p.m. in Room 10-250, the Lecture Series Committee will present Buckminster Fuller, who has chosen as the topic for his lecture "Energetic Geometry." Mr. Fuller is well known for his work on his Dymaxion Houses; the Dymaxion car, a three-wheeled rear-engined streamlined "shelter-mobile"; and his integrated bathroom with walls, floors, and fixtures all as a single compact unit.

He has written several books among which are *Time Lock* and *Nine Chains to the Moon*, published a magazine and created his own system of mathematics, which he calls "energetic geometry." His approach to mathematics is non-Euclidean and led to the creation of the Dymaxion map for which he was granted the first U. S. patent for a basically new method of map projection.

#### Fluidity of Industry

After some turbulent years at Harvard, Fuller entered the Navy where the impression of the problem of transporting goods large distances, helped to convince him that fluidity was a basic characteristic of industry and this idea he brought out in his first concept of the Dymaxion House. Wide attention was created in 1927 when he projected his idea of a low-cost Dymaxion Home, which would be prefabricated on a mass scale.

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## Silver Cup To Be Awarded To Best Of Four Entries In Tyler March 7

Lack of interest has killed the All-Tech Sing. Fifteen living groups participated in the student singing program last year; this year there are only four contesting groups. As a consequence, the All-Tech Sing as a social function has been cancelled.

James L. Burkhardt, '51, chairman of the All-Tech Sing Committee, was at loss for any concrete reason for the lack of participants. He said, "The overcrowded February social calendar might have caused the poor response." He added that another factor which may have contributed to the lack of contestants was the misguided rumor that the polished singing group, "The Techtets," would be allowed to compete for the singing award as in previous years. They have won the past two annual contests. However, notices to all living groups were mailed in January informing them that the Techtets would not be permitted to compete for the trophy.

#### Four Groups Remain

Although the Sing has been cancelled, four vocal units who prepared for the occasion, Alpha Tau Omega Fraternity, the Saddestfires of the Dormitories, Theta Chi Fraternity, and Phi Kappa Sigma Fraternity, will still compete for the silver cup award. This competition will be held in Tyler Lounge at 7:30 p.m., Tuesday, March 7.

Originally, nine groups had applied for entry into the competition. Not until several days ago was it discovered that five of these had abandoned plans for entering the contest. In view of the fact that the greater part of the paid admission usually comes from members of the competing living groups, it was decided that an affair held in Walker probably would go into the red.

#### Tickets Redeemed Today

Ticket sales had proceeded for five days before it was decided to cancel the Sing, with receipts totalling about \$38. Tickets may be redeemed today in the lobby of Building 10, or by contacting James L. Burkhardt, Room 3A, Building 22.

## Soph Prom Committee Draws Inst Comm Fire On Presented Budget

Institute Committee meeting exploded into a series of objections last Wednesday as the Sophomore Prom Committee presented its budget for the dance to be held this spring.

Edward J. Margulies '52, chairman of the Prom, presented the budget to the Institute Committee. Calling for expenditures of \$3,700, the budget showed tentative income from three hundred week-end tickets priced at \$8.00 each and two hundred twenty second night tickets at \$4.00 each.

Plans for the Prom, which will come during Open House, are to have the formal dance on the first night and an informal dance with a big name band on the second night. Budget expenditure for the second night would be nearly twice as much as for the first, with the first night supporting the cost of the whole week-end.

The main objection raised to the budget as proposed was that the Prom Committee expected to sell too many tickets to a week-end when the second night would probably be more popular.

Approval of the budget for the Sophomore Prom was consequently referred to committee.

## Boston Society Opens Doors To Aspiring Institute Stags

Boston's finest damsels will soon fall prey to enterprising engineers as Tech men will have a crack at Boston's society parties thanks to the efforts of the untiring "Tom Cat," Jim Baker, '50.

Baker is the man behind the "Tom Cat Hour" heard over WMIT every Thursday evening. The "Tom Cat Hour," which makes a feature of all stag dances in the Boston area, thought that society parties should not be neglected. The fact is that the stag lines at society parties are primarily dominated by Harvard men.

This will now no longer be the case, for the stag lines will soon be wide open to Tech. The connoisseurs of the slipstick will have the chance to match their amorous abilities with those of Harvard's finest.

It all started with the lists of eligible bachelors which were compiled with Harvard and high-standing prep schools primarily in mind. The "Tom Cat" thought that the future engineering genius of the country was not bound to suffer the untimely death of castigation.

It was through the efforts of Fred B. Cole, WHDH disc jockey, and

Miss Daisy Weichel, Hotel Touraine, that Baker attended a luncheon of the Publicity Club of Boston where he met Miss Barbara Tibbitts, the society writer for the Herald.

Miss Tibbitts agreed that Tech men should be given every opportunity to "circulate" in more prominent circles. She explained the situation saying that the lists drew mostly from graduates of well-known prep schools who were enrolled at Harvard. Last Monday an extended article telling of the responses and offers for aid was featured in the *Boston Traveler*.

Mr. and Mrs. Samuel H. Hollowell enthusiastically offered their aid and asked for as large a list of Tech men as possible. The Hollowells not only plan social affairs for the busy parents of debutantes but also compile the listings of eligible young men in this area.

The result is that Tech men will have the opportunity to attend "society" parties. All those who are interested in having their names in pre deb, deb, or post deb listings can contact the "Tom Cat." There will be separate listings for potential husbands in all age groups.

## Student Soloists Listed For Symphony Concert Next Sunday In Morss

Works of Handel, Bach, Cimarosa, Mendelssohn, and Strauss will be performed by the M.I.T. Symphony Orchestra under the direction of Klaus Liepmann Sunday afternoon, March 5, at 3:30 p.m. in Morss Hall.

Three compositions requiring solo performances are included in the program: Bach's Overture and Suite in B Minor will have as flute soloist Mrs. John Clark; John P. O'Meara will play, with the orchestra, the Oboe Concerto of Cimarosa; and the Mendelssohn Piano Concerto No. 1 is to feature Ephraim M. Miller in the role of solo pianist. The remainder of the concert is completed with Handel's Fireworks and the Rosenkavalier Suite of Richard Strauss.

Tickets for this concert, which is under the sponsorship of the Combined Musical Clubs, are priced at \$.90 and are available in Building 10,

## Dever Chooses Bunker To Attend Course In Atom Bomb Defense

Governor Paul A. Dever today announced the appointment of Dr. John W. M. Bunker, Dean of the Institute's Graduate School, to the Brookhaven National Laboratories of the Atomic Energy Commission, where he will represent the Commonwealth of Massachusetts in a course designed to train civilians to cope with the hazards of atomic bombing.

Twenty-four designates from the several states of the northeastern section of the country will shortly assemble at Brookhaven, where they will study four major problems associated with atomic attack. Instruction will be given in modern

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# The Tech

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NO. 10

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## BEACON HILL

The ladies in the red brick houses with the violet windowpanes have been forced to a conclusion. Thoughtfully mulling over the newspaper stories of the A-Bomb, the H-Bomb, and the God Only Knows What Next Bomb, they have decided that the builder of destiny might well be the atomic physicist. With this in mind they have remembered that across the river basin there is a school, a veritable incubator, hatching the young geni out by the hundreds each year.

Now, in their characteristically quick thinking democratic manner, spurred on by the efforts of a commentator for WMIT, a disc jockey for a Boston radio station, a society columnist for the *Herald-Traveler*, and a professional list-maker, the Beacon Hill ladies have decided to do something about these young men. They are going to invite them to stand in the stag lines at their coming out parties. The Techman will soon find himself lionized in the best drawing rooms. The tradition has been to invite Harvardmen into the higher circles, Harvardmen who were graduates of Andover or Choate. But now Techmen are to be considered very nearly the social equals of their brothers up the river. We wonder whether the Boston ladies will accept only Techmen from Andover and Choate. Or will they decide that after all, a graduate of the Bronx High School of Science is just as likely to invent some new disastrous weapon.

We suppose that many of the future atomic scientists are pleased to discover their new social standing, but we know that many of them will smile a knowing smile and never make the journey up to Beacon Hill.

## NON-SUPPORT

The Activities Ball was instituted to award activity leaders some recognition for their extra-curricular accomplishments. The Ball is one of the most enjoyable and impressive formal dances held here. A bid carries with it the prestige of selectivity; it signifies leadership and initiative and dependability. It is a token of reward for long and faithful service.

But it seems that such recognition is to be shunned, for this year the activities are guilty of non-support of the dance which they themselves instituted in their own interests. We cannot understand this.

## GENTLEMEN SONGSTERS

Possibly they are off on a spree, drinking absinthe in a cellar on the Left Bank. Possibly they have gone astray, and have transferred to New Haven. At any rate, they will not sing for us this year, and so there can be no All Tech Sing as we have known it in the past. But the Sing is an annual affair, and ordinarily it is quite successful. For the past few years there have been plenty of contesting groups, and student interest has been strong enough to fill Morss Hall easily on the night of the contest. Why the sudden change of heart this year? Although members of the Techtet are probably chuckling over the present predicament, attributing student apathy to the fact that this high quality singing group has been outlawed from competition, we feel that the Committee made a wise move in eliminating the group from the contest. Undoubtedly many entrants lost heart last year when they found themselves competing against a highly polished group way out of their league.

In any inter-group contest here, the greatest number of entrants are fraternities. The sharp drop in the number of competitors for the All-Tech Sing contest is the result of a decrease in the number of fraternity entrants. We will not chide the fraternities for failing to support the affair. It is too much to ask that they be motivated by an altruistic sense of duty in a case such as this. The All-Tech Sing Committee made a mistake in taking living group interest for granted; they achieved success in the past because they stimulated this interest by beginning their publicity campaign earlier. The fraternity interest might have been attracted if the Committee had taken greater pains in establishing the prestige of their silver cup award.

# Open Letter to Sophomores Concerning Prom Budget

To The Class of '52:

At the Institute Committee meeting held on Wednesday, March 1, 1950, the proposed budget for this year's Sophomore Prom was finally placed on the Agenda, after a delay of almost one month. This budget was carefully drawn up by the seven members of the Sophomore Prom Committee after they had reviewed the budgets and final reports of last year's Sophomore and Junior Proms. Both of these were larger than our proposed \$2700 budget.

This is what we want the money for. Our Sophomore Prom Weekend will be held in conjunction with the M.I.T. Open House on May 12 and 13, 1950. Friday night we will have the Formal Class Prom in one of the large local hotels. All day Saturday will be Open House at which the attendance, it is estimated, will be 50,000 persons, including your parents and dates as guests. This alone should assure the success of our Sophomore Weekend. Saturday night we are sponsoring an informal dance at Walker Memorial at which we will feature a nationally popular band. This is what the Sophomore Prom Committee is offering you.

Nevertheless, after a great deal of discussion a motion for the approval of this budget was defeated by the Institute Committee. The budget was then referred to a Special Committee which will review the proposed budget and report to the Institute Committee at its next meeting. This Special Committee can recommend to the Institute Committee the elimination of any or all items from the Soph Prom Weekend.

WHAT DOES THIS MEAN TO YOU? It means that your Sophomore Prom Committee's progress will at best be delayed another

## Reviews & Previews

By JAY FLEISHMAN

**King Lear**—The Brattle Theatre is playing host to a sizeable chunk of Merrie Olde England with William Devlin on loan from the Old Vic starring in the bard's savage tale of an ancient British sovereign. This agreeable combination has prompted a landslide of ticket sales which has kept the house packed since the opening.

The tragedy of hoary King Lear, driven beyond the bounds of sanity by the ingratitude of his daughters and the fury of the elements, makes for engrossing theatre. Especially so in the capable hands of Mr. Devlin, who dominates the play and his supporting cast with a straightforward and vigorous portrayal. Past performances we have witnessed have characterized the aged regent either as a slumbering, senile father who could scarcely complete a circuit of the stage or as a frenzied lunatic who upset the

(Continued on Page 4)

valuable week. It means that as a result of this delay negotiations for a name band for the weekend may be seriously endangered. It means that it is possible that there may be no room at all. Why?

Get this: There is no dispute about individual budget items or the entire figure for expenses. The issue in the Institute Committee is this: There is a lack of confidence (on the part of the Institute Committee) in the ability of the Class of 1952 to amortize, by the sale of tickets, the proposed \$2700 expenditures which will be incurred by the Sophomore Prom Committee in behalf of the Class of 1952 for the Sophomore Prom Weekend activities.

We don't believe it! We are fighting in your behalf for unconditional approval of the budget as submitted. In taking this stand we assume that we have your support. —The Sophomore Prom Committee

## AFTER HOURS

COURTESY OF THE "TOM CAT HOUR" FRIDAY, MARCH 3

Wheeloek College—Acquaintance dance with recorded music. Small but select group of girls. Recommended as this week's best, with dancing from 8 to 2 p.m. No admission fee for M.I.T. men. Longwood Dormitory, 102 Riverway, Brookline.  
 Boston University—Crystal Ball Graduate Dance. Older group of girls. Informal. Free tickets available at Graduate House desk. Dancing is from 8:30 to 12 p.m. Charlesgate Hall, 4 Charlesgate East, Boston.

SATURDAY, MARCH 4

Delta Omega Sorority Dance—Princess Ballroom, Hotel Somerset. Hal Reeves' Orchestra plays for couples only from 8-12 p.m. Tickets at \$1.50 on sale at the door.  
 Hotel Bradford—A new series of regular Saturday night dances limited to couples and priced at \$2.40 a pair. Top New England bands promised.

## THE THEATRE

**STREETCAR NAMED DESIRE**—Plymouth. Excellent drama of human drives and weaknesses against the backdrop of New Orleans.

**LEND AN EAR**—Schubert. A gay and entertaining revue sporting a lively collection of delightful sketches.

**MISTER ROBERTS**—Colonial. The plight of the U. S. Navy "without games." Arrives in Boston after a two-year Broadway run.

**THE HEART OF THE MATTER**—Wilbur. Uninteresting struggle of a man's conscience in the Colonial service.

**KING LEAR**—Brattle Hall. William Devlin's fine interpretation of Shakespeare's tormented king.

**THE BICYCLE THIEF**—Beacon Hill. An adept example of the Italian post-war cinema.

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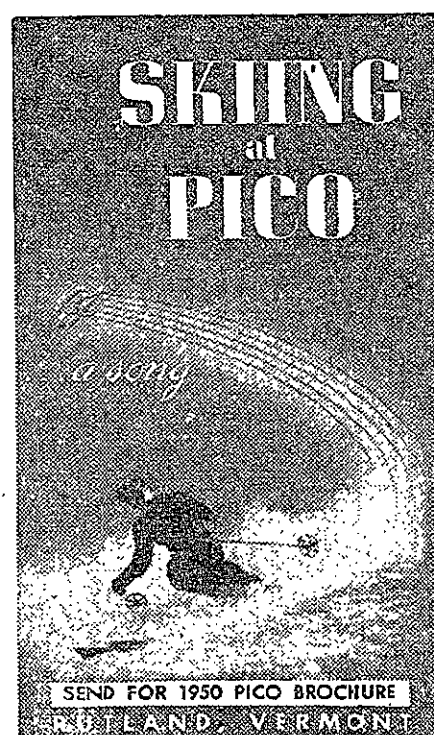
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# CALL FOR PHILIP MORRIS

# Courtmen Tripped By Tufts 71-58 in Last Home Contest

After leading most of the way, Tech's varsity cagers suddenly fell apart and dropped a 71-58 decision to Tufts in the last home game of the season last Wednesday night.

As the game began the Beavers seemed jittery, and Tufts ran off to a 6-2 lead. However, Mike Nacey got hot and put in three quick one-handers, as Tech took the lead for the first time at 10-8. From this point on the Engineers led by a small margin for the remainder of the half, and left the floor with a 27-26 halftime advantage.

The second half looked like more of the same, with both squads

Tufts (71)		MIT (58)	
G	F	G	F
Mullaney rf	7 6 20	Hohorst rf	6 3 15
Ko'k'w'cz lf	3 2 8	MacMillan	4 0 8
Bennett	0 1 1	Nacey lf	5 0 10
Goodwin c	5 0 16	Garthe	1 1 3
Sokoloff rg	1 2 4	Morison c	2 0 2
Perry rg	6 3 15	Glantz	2 4 8
Kochles lg	3 1 7	Rorsach lg	1 0 2
		Corrie lg	3 2 8
		Hong rg	1 0 2
<b>TOTALS</b>	<b>25 21 71</b>	<b>TOTALS</b>	<b>24 10 58</b>

missing shots and taking turns throwing the ball away, and the lead changing hands repeatedly. Then, suddenly, the Tech offense and defense ceased to exist, and the visitors romped off with the ball game. During an eight-minute period the Jumbos scored 20 points while holding Tech to a mere three.

The Engineers scored but one field goal less than the visitors, but sank only ten freethrows in 22 attempts, just one in the first half. . . . Four Tech seniors, Captain Lou Morton, Jack Corrie, Rick Rorsbach and John MacMillan, played their last game on the home floor. MacMillan chipped in with four nice layups in the first half, or his season's high output. . . . Ted Heuchling's five had plenty of shots, Tufts played most of the way with 6 men, but in the end it was the Beavers with their 2 platoons

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# Pucksters Lose To B.C. 7-2; In Final Home Tilt

At the Arena last Monday night, the MIT pucksters, in their final home game of the season, went down to defeat 7-2, to a strong B.C. sextet. The teams played evenly until six minutes of the second period when Mulhern of B.C. scored his third of four goals to give B.C. the lead which they held for the rest of the game.

The Beavers twice came from behind to tie up the contest. In the first period, Mulhern scored for the Eagles and less than a minute later Whittinghill did the same for Tech.

After only three minutes of the second period, Beaver captain Don Lea broke through and scored unassisted to again tie the score. From here on it was all B.C. as the Eagles scored four more goals in this period and one more in the final frame to give them the victory.

# Tech Swimmers Swamp Univ. of Mass. 56-19; NEISA Meet At MIT

Alumni Pool will be the scene of the 1950 New England Intercollegiate Swimming Association meet to be held next Friday and Saturday. Thirteen schools in all will be represented on the Tech campus with Williams, who has taken the title six years running, as the favorite. However, Bowdoin, Brown and Springfield stand as serious threats to the Purple's supremacy.

The competition will start on Friday morning with the diving trials. The remaining swimming trials will take place Friday afternoon and evenings and the finals will be run off on Saturday.

Prices for the meet are \$1.20 for the Saturday finals, \$1.20 for a Friday afternoon and evening combination ticket and \$.75 for either Friday afternoon or evening.

## Make It Fifth Straight As Smith Clears Bench

Last Wednesday night at Alumni Pool, the Tech Natators came through to take their fifth straight victory by swamping the University of Massachusetts 56-19. This brings their season's record to 7 wins against 4 losses.

The Mermen got off to a flying start by taking the 300 yard medley and were never headed the rest of the way, taking first places in six out of nine events and placing at least two men in every race. Coach Smith cleared the bench in an effort to keep down the score.

The summaries follow:

- 300 yd. medley relay—won by MIT (Plummer, Plaes, Edgar) 3:07.1
- 220 yd. freestyle—won by Jacque (UM); 2nd—Coombs (MIT); 3rd—Conlin (MIT) 2:20.9
- 50 yd. freestyle—won by Daley (MIT); 2nd—Baker (MIT); 3rd—Masuck (UM) 1:23.1
- Dives—won by Mitchell (MIT); 2nd—Lehman (MIT); 3rd—Martin (UM) 50.3
- 100 yd. freestyle—won by Masuck (UM); 2nd—Martin (MIT); 3rd—Sorenson (MIT) 1:01.5
- 150 yd. backstroke—won by Damon (MIT); 2nd—Jones (MIT); 3rd—Larupi (UM) 1:51.7
- 200 yd. breaststroke—won by Pines (MIT); 2nd—Tonnerson (MIT); 3rd—Bashion (UM) 2:46.4
- 440 yd. freestyle—won by Jacque (UM); 2nd—Baker (MIT); 3rd—Conlin (MIT) 5:18.6
- 400 yd. relay—won by MIT (Daley, Sorenson, Schlessor, Kelley) 4:00.3

## Tech Relay Team Fails To Qualify For Finals; But Sets School Record

### Run Two Mile Distance In 7:54 at IC4A Meet

The Tech indoor track relay team closed out its campaign last Saturday, competing in the I. C. 4 A. Championships at Madison Square Garden. Running in the two-mile relay, the team set a new school record of 7:53.9 but failed to qualify for the final. The old record of 8:02.3 was set in 1945 in winning the same race. Only last year's victorious Michigan State team, has beaten that time in the last nine years.

The Beavers ran fourth in the event behind Army, Manhattan, Princeton and Syracuse. The Jaspers won the heat in 7:52.2, but was beaten in the final by Georgetown's crack quartet in 7:44.9

Running for Tech in the event were Bud Simpson, Carol Belton, Al Dell'Isola and Ed Olney. Bad weather last week prevented time trials and the team had to be picked by past records only.

Jack Adams of the Techmen placed 6th in the 35-pound weight throw in the same meet. Gil Borjeson of Brown, who had previously won the national championship, won the event with a 56-foot, 7 7/8-inch heave.

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# Institute Prof. Will Participate In Art Debates

Gyorgy Kepes, professor of Architecture at the Institute will participate in a "Critique of Modern Painting" as a part of the Harvard Law School Forum's second annual Symposium on Contemporary Arts.

Four programs on modern music, poetry, painting, and the theater will comprise the week-long program on Monday, Tuesday, Wednesday, and Friday evenings. Admission is open to the public. It is free to season ticket holders and the charge to others will be \$1.20 for the entire Symposium and \$.60 for the individual programs.

Appearing with Kepes in the painting program will be Frederick Wight, director of education at the Institute of Contemporary Art, Lawrence Kuperman, of the Massachusetts School of Art, and Benjamin Rowland of Harvard University. Salvador Dali has been tentatively scheduled to speak.

Other names to appear in the Symposium are Paul Hindemith, Arthur Fiedler, Archibald MacLeish, Edward Downs, John Ciardi, Richard Wilbur, Jo Mielziner, Marc Connelly, and Herman Shumlin.

## L.S.C.

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Fuller felt that conventional methods of house construction were entirely inadequate and in his structure he had a hexagonal-shaped structure which was suspended in mid-air on a central core. To be consistent with his ideas of fluidity, Fuller wanted his houses to be easily transportable and to be created in a universal design which could be used anywhere.

### Igloo Design

Later, Fuller based his second Dymaxion House on the igloo-shaped houses in which the mono-coque principle was projected. He had written an article in Shelter Magazine in 1932 on the Mongolian Yurts which were of this shape, but he said he got his inspiration for his second Dymaxion House, which he produced in 1941, from seeing a grain bin out of a train window.

Arrangements were made during the war years to go ahead on construction, but metal shortages and priorities made this impractical. However, some of these igloo-shaped structures were purchased by the Armed Forces and flown to their point of use and as the end of the war approached the Dymaxion Dwelling Machines, Inc., of Topeka, Kansas, with Fuller as chairman of the board of directors was set up.

## Reviews

(Continued from Page 2)

scenery in the throes of his tantrums. The other night we noticed none of these misdemeanors, Mr. Devlin being guilty only of occasional underacting.

**The Heart of the Matter**—This tale of tension in the tropics is rather painfully lifted from Graham Greene's novel. In a determined effort to faithfully relate the substance of the book, the stage is graced with a loose narrative overrun with a superabundance of unnecessary minor roles and episodes which only serve to taunt the spectators with the play's literary beginnings.

The plot unfolds around the soul of Major Scobie, an honest, God-fearing servant of the crown, stationed in Equatorial Africa. In his desire to be righteous and helpful, he winds up compromised by a scheming smuggler, calumniated by a British intelligence officer, feared by his native houseboys, distraught by extra-legal romancing, and at odds with his religion. In order to resolve the sufferings of his soul, his Maker, and the audience he flounders into suicide. Sic transit mundi.

## Bunker

(Continued from Page 1)

atomic, nuclear and radiological physics, the biological effect of the atomic blast upon people, diagnosis of damage and hazards, and techniques of protection against radiation effects.

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## Courtmen

(Continued from Page 5)

who wilted. . . The Jumbos, their 16-4 record, did not lose tournament material. (The competing in the NAIB smaleges' tourney.)

In a preliminary game the jayvees defeated Babson Ins 61-45. George Butzow was hi Tech, with 12 points follow Dick Jankowski and Ed Wilso 11 each.

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