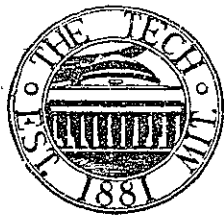


The Tech



OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXII, NO. 41.

CAMBRIDGE MASS. FRIDAY, NOVEMBER 21, 1952 5 CENTS

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Mencher, Jones Appointed Policy Committee Considers Revision Geology, Chem. Professors Of Institute's First Year Plan Of Study

Two new appointments to the faculty of the Institute were announced Tuesday night by Dr. George R. Harrison, Dean of Science. They are Dr. Ely Mencher, who has been appointed associate professor of geology, and Dr. Ewart R. H. Jones, who has been named Arthur D. Little Visiting Professor of Chemistry.

Dr. Mencher, who received the degree of doctor of philosophy from the Institute in 1938, will conduct courses in stratigraphy and petroleum geology and will continue his research on the geology of South America.

Dr. Mencher was a teaching assistant at M.I.T. from 1935 to 1938 and instructor in geology, Summer Session, City College of New York, from 1936 to 1938. From 1938 to 1943 he was professor of geology at the School of Geology, Central University, Caracas, Venezuela, and was Technical Director at the School in 1941-42.

Since 1943 he has held positions of increasing importance and responsibility with the Socony Vacuum Oil Company of Venezuela, including the posts of Senior Field Geologist and of Research Geologist. He has carried on a varied program of geological field work and research in Venezuela, Colombia, and Puerto Rico, and has contributed a number of articles to professional journals in geology.

Dr. Mencher served as a member of the Organizing Committee of the Venezuelan Petroleum Congress that met in Caracas in 1951 and was chairman and editor of the geological part of the Proceedings of this Congress. The Proceedings were published this year in both English and Spanish by the Venezuelan Government.

He also served as a director of the Venezuelan Association for the Advancement of Science for 1952 and as Coordinator of its Geological Section during this year's sessions.

Professor Ewart R. H. Jones was educated at Grove Park School, Wrexham, and at the University College of

North Wales. He received the degree of doctor of philosophy from the University of Wales in 1936 and the degree of doctor of science from the University of Manchester in 1944. While at the Institute he will be on leave from the University of Manchester, where he is Sir Samuel Hall Professor of Chemistry.

Professor Jones' published work embraces a number of fields including steroids, vitamin A, triterpenes, acetylenes, and plant growth hormones. In 1940 he received the Meldola Medal, a distinguished award presented annually by the Royal Institute of Chemistry to the young chemist who has made the most meritorious contribution to chemistry. He was named a Fellow of the Royal Institute of Chemistry in 1944 and a Fellow of the Royal Society in 1950.

The Professorship which Dr. Jones holds at M.I.T. has been established out of a bequest of funds left to the Institute by the late Arthur Dehon Little. Dr. Little, a graduate of the Institute in 1885, was widely known for his outstanding pioneering in the application of science to industry and for his varied and important activities, especially in the field of chemistry.

CORRECTION

The deadline for making appointments for physical examinations at the Homberg Infirmary was October 31, and is not December 1, as reported in THE TECH last Friday. The deadline for securing chest X-rays is December 15.

One hundred and sixteen persons have not yet reported for their checkups and will have to pay the five dollar fine. The list includes 64 freshmen, 17 college transfer students, and 35 graduate students.



This Turkey is the prize offered at the Baker House Dance.

Turkeys For Dance Distress Janitors

Perhaps you have thought some peculiar sounds have been emitted lately from the East Campus dorms. If so, rest assured the grind hasn't snapped your mind, nor is some fiendish, antihuman chemist on the loose. These beings that have been annoying Building 10 janitors and ruling the roost from atop the Tech Show booth are two turkeys that will be raffied off at the Talking Turkey Dance this Saturday night in Baker House.

One turkey was originally housed overnight in Hayden 112, but now it has been transferred to the basement for reasons obvious to those living in the general vicinity. During the week one of the animals has found himself

(Continued on Page 4)

British Economist, John Jewkes Named Institute Visiting Lecturer

Appointment of the distinguished British economist, John Jewkes, Professor of Economic Organization at Oxford University, as Visiting Lecturer at the Institute was announced Wednesday.

Professor Jewkes comes to the Institute under the joint sponsorship of the School of Industrial Management and the Department of Economics and Social Science. He will be at the Institute for a month beginning November 24 and during this period will conduct a number of seminars with students as well as consulting with members of the faculty.

Professor Jewkes has held his post as Professor of Economic Organization at Oxford since 1948 and is a Fellow of Merton College. He was educated at the Barrow Grammar School and at Manchester College, where he served as a Lecturer in Economics from 1926 to 1929. During the following year he held a Rockefeller Foundation Fellowship. From 1936 to 1946 he was Professor of Economics at Manchester University, and for the following two years he held the Stanley Jevons Professorship of Political Economy. In 1941 he was Director of the Economic Section of the War Cabinet Secretariat, and in 1943 he was appointed Director-General of Statistics and Programmes in

the Ministry of Aircraft Production. He was made Principal Assistant Secretary, Office of Minister of Reconstruction, in 1944, and became a member of the Fuel Advisory Committee the following year. In 1946 he was an independent member of the Cotton Industry Working Party and served as a member of the Royal Commission on Gambling, Betting and Lotteries in 1949.

Professor Jewkes' publications include "Studies of Industry," "Juvenile Unemployment," "The Juvenile Labour Market," and "Wages and Labour in the Cotton Spinning Industry."

Tickets For Xmas Travel At the T.C.A.

Those wishing to order tickets for Christmas transportation on the New York Central Railroad or bus or plane lines may do so at the T.C.A. office in Walker Memorial on Tuesday, December 2, between 11 a.m. and 2 p.m. Representatives from the various lines will be on hand.

Plans for revising the freshman curriculum are being considered by the Committee on Undergraduate Policy headed by Professor John A. Hrones. In December, 1949, the Committee on Educational Survey published the Lewis Report revealing several flaws in Technology's educational system. Since then there have been many revisions in teaching methods, atmosphere and subjects. Freshmen are now taking a modified Humanities course which is still under development. In the opinion of Professor

Killian Emphasizes Effect Of Research At N.J. Dedication

The growing importance of research and its possible effects on tax structures were vividly emphasized by Dr. James R. Killian, Jr., in a dedication ceremony at the new multi-million-dollar Lever Brothers Company research laboratory at Edgewater, N. J. Dr. Killian told an audience of 200 educators and business men that many problems arising from research can be solved by "willingness of all segments of our economy to adjust to more rapid change."

Predicting more complex production processes as a result of research, Dr. Killian said they will call for acknowledgment of the "beneficent values of bigness when bigness fills an economic and social need. Tax laws will have to recognize technological change." Dr. Killian added, "More ways of increasing investment capital will have to be found."

Commenting on the high government expenditure for research, Dr. Killian said he hoped it would go down as our defense needs are met. Government, with industry, supports 95 percent of all research in this country. Emphasizing the importance of pure research through the cooperation of

(Continued on Page 4)

Jacob Den Hartog Will Speak Tonight At Institution Dinner

Pi Tau Sigma, Course two honorary fraternity, will hold its annual initiation banquet tonight. Professor Den Hartog of the Mechanical Engineering Department will be the featured speaker.

For the past three days Pi Tau Sigma's 18 pledges have been wearing 16 inch replicas of gears which they were required to construct as part of the fraternity's initiation program. In addition the pledge group last week gave a party for the rest of the fraternity in the 5:15 club room.

Although the fraternity is still in the process of organization, it has planned several projects for the coming year. Among these is a plan to evaluate the senior option in mechanical engineering by sending questionnaires to graduates. Another planned project is a booklet designed to acquaint sophomores in Course 2 with the course and with Pi Tau Sigma. A regular project of the fraternity is a course and instructor evaluation program. Last year, through undergraduate questionnaires twenty-five instructors were considered.

Pi Tau Sigma's president, Maurice Torti, recently attended a convention of the national organization held in Milwaukee. A banquet, several business meetings and a tour of the Allis-Chalmers Milwaukee plant highlighted the three-day convention of the 61 chapters which make up the national organization.

Hrones, freshmen are burdened with too many class hours as compared to the upper-termers who carry a lighter program. Giving freshmen approximately ten more free hours per week may decrease their load, leaving extra time for reflective thought or for the social and cultural experiences that are necessary for proper intellectual and social growth.

According to the Lewis Report, graduates of the four-year curriculum in engineering seem to fall into three classes: one, those who go on for graduate study and eventually enter industry for careers in research or similar fields; two, those who follow careers in engineering for which the four-year program provides adequate professional training; three, those who go into other professions and occupations. The third group includes many men who from the start of their college career have no intention of becoming professional engineers. They study engineering as a variety of general education. For this third group there has been proposed a new course under the Division of Humanities to be known by some such title as Natural and Social Sciences and classified as Course 21. Required subjects would include Humanities sequence, Economics, Psychology and possibly Human Relations. The course would concentrate itself in the field of History and Government and would offer the student electives in Philosophy, Literature, Music, Fine Arts, and Area Studies.

Many Seniors have been affected by the recommendations of the Lewis Report. Up to 1949 several courses at Technology did not require a Senior thesis for graduation. Now, however, all Seniors are required to develop their initiative through original research and the completion of a thesis.

Prominent Europeans To Discuss Problems Of Continent On WGBH

VOICES OF EUROPE, a new series of radio programs in which prominent Europeans of varying political beliefs will give their thoughts and feelings on present-day European problems, will be broadcast beginning Thursday, (Nov. 20), at 7:05 p.m. over Station WGBH.

Among those to be interviewed informally during the Thursday evening series are Pastor Martin Wiemeller, Professor Paolo Sylos-Labini, Signor Veniero Marsan, Dr. G. J. van Heuven Goedhart, Kingsley Martin and Professor Carl Friedrich von Weizacker.

The series, presented by the National Association of Educational Broadcasters, under a grant from the Fund for Adult Education, established by the Ford Foundation, is the result of more than 500 tape recorded interviews in 14 European countries. Project director and interviewer is Milton Mayer, American author and lecturer and professor of Social Research at the University of Frankfurt.

DeVoto To Lecture On "The Inside Of Presidential Race"

Bernard DeVoto one of Stevenson's key writers and well-known critic will lecture on Monday, November 24, in Room 10-250 at 5 p.m. Whether you supported Stevenson or Ike you will want to hear Mr. DeVoto's talk on "The Inside of the Presidential Campaign."

Mr. DeVoto is a rugged individualist from Utah whose talented pen has been acclaimed since 1920. He originally went to the University of Utah but after founding a socialistic group which did not appeal to the authorities he came to Harvard.

He currently writes a column "The Easy Chair" in Harpers and has been Editor of the Saturday Review of Literature. He supports himself by writing romance serials under a pseudonym while devoting his main energies to critical studies of the American scene. His shrewd historical analyses, humorous travelogues, and sharp criticisms have caused him to be compared to H. L. Mencken.

The lecture is sponsored by the Lecture Series Committee and admission is free.

The Tech

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KEEPING ABREAST OF THE TIMES

The days are long past when M.I.T. was known as Boston Tech. In those days, the Institute was situated on a small site in the neighborhood of Copley Square. Athletic facilities were very limited. There were few students, and little opportunity for extensive extracurricular activities. Funds were scarce. As a result, there was no chance to provide the student with any degree of choice, within the limits of the campus, of extracurricular social and cultural interests. This situation was made worse by the fact that the Institute was non-residential.

With this in mind the administrations of those days organized a stiff academic curriculum, with a great many class hours and a correspondingly large amount of home assignments. Here were the seeds of the Institute's double reputation. The reputation for great professional ability, of which we can be proud, and the reputation for not producing a well-rounded personality.

How different the situation is today there is no need to point out. As time went on, the Institute grew in number of students, faculty, in performance and in reputation.

Reputation attracted financial support. With the help of George Eastman and other contributors, the Institute was able, after moving to Cambridge in 1916, to extend not only its academic program by acquiring more and better professors and building new classrooms, libraries and research facilities. It was also able to, and did, extend the scope of extracurricular interests, starting with the erection of Walker Memorial, and proceeding with the organization of student self-government, financial support of activities, the provision of extensive athletic facilities, and finally, in a significant step, the construction of dormitories on the campus.

One might have expected a modification of the academic curriculum in the light of these new developments.

This has not been done. In actual fact, the academic curriculum is now, especially in the case of freshmen, still as heavy as it was in the days of Boston Tech. If a student wants to keep his head above the academic water, he must do so at the expense of indispensable participation in extracurricular activities, which suffer accordingly. As a result, we have the much deplored student apathy, and that very one-sided personality, the so-called "typical Techman."

We repeat that this situation, although by no means absent in the upper classes, prevails chiefly in the freshman year. In many courses, the academic schedules in third and fourth year are satisfactory. Moreover, the significant recommendations in the Lewis report prepared by the Committee on Educational Survey in 1949 have produced numerous improvements in subjects, teaching methods and atmosphere, chiefly in the field of humanities. But here again, it is the upperclassmen who have benefitted most by these improvements. The freshmen still have an academic program enough to dishearten even the most sanguine.

The Committee on Undergraduate Policy and the Committee on the First Two Years, in whose power it is to recommend changes to the Faculty, have been giving the matter a good deal of consideration. However the Committees have been giving the matter consideration for quite some time now, and with the exception of the very valuable reading period, have really not done much to modify the present freshman schedule.

Professor Hrones himself, as Chairman of the Committee on Undergraduate Policy, agrees that lightening the freshmen's load of weekly classes would do much to develop them socially and intellectually. Other changes would help too.

For instance a change in the examinations system might be effected, whereby emphasis on term quizzes would be decreased and more stress would be put on exams given upon the completion of subject matter. This would give the student more opportunity to plan his own program, thereby not only lessening the mental tension inherent in the quiz system, but contributing to his maturity of character into the bargain.

Another useful change would be a wider possible selection of subjects in the freshman and Sophomore years, for the benefit of those who have already made up their minds about which course they propose to study.

The significance of the Institute is too great for the disregard of the problem of a healthier and more productive atmosphere in the undergraduate school. Unlike old Boston Tech, the Institute today has the facilities to supply a well-rounded education. It would be foolish not to take the fullest advantage of them.

through the mail

STUDENT UNION

To the Editor of THE TECH:
 Your recent article on the proposed student union brought welcome news to those who have long felt that M.I.T. needs one building where all our activities can meet in comfortable surroundings, as well as a place to hold dances other than Walker. It is a pity that this Student Union will not exist until after I have graduated.

One feature of the proposed plans deserves, perhaps, more thought; this is the inclusion of a bar. There may be those who feel that it would not be proper for the Institute to sell alcoholic beverages in a building devoted to undergraduate activity for moral and/or religious reasons. Of course, this a matter of personal conviction or opinion. But, how could a bar be a commercial success in consideration of the small number of undergraduates who are over 21, the legal age in this State? It should be remembered that there is a difference between the serving of liquor by a student-run party and by the Institute.

This question is certain to bring forth much discussion.

ROBERT G. SCHMIDT, '53
 November 18, 1952.

We wonder whether the "bar" referred to in the last issue of THE TECH would be of the alcoholic variety or just another snack bar—Ed.

FIELD DAY

To the Editor of THE TECH:
 I think it's about time someone actually came out for Field Day. After reading some of the criticisms favoring abandonment of the event, I just cannot sit by and see one of Tech's traditions go floating down the drain just because of a few over-zealous children.

For many years Field Day functioned as a means to organize two classes as a whole into good, fair competition. As far as the actual conduct of the day went this year, I can see no place whatever, with the exception of the Glove Fight, where this theory was not put into practice. There isn't enough athletic spirit as it around Tech; do we want to cut it out altogether and let Field Day degenerate into another "Tech's-a-Poppin'" event? "Tech's-a-Poppin'" for the benefit of those unacquainted, was a collection of athletic events put on once a year, where Tech usually got slaughtered by various teams of various small colleges, and topped off by a event? "Tech's-a-Poppin'" for the benefit of those unacquainted, was a collection of athletic events put on once a year, where Tech usually got slaughtered by various teams of various small colleges, and topped off by a dance. The event died last year due to student apathy. It has been suggested that Field Day be degenerated

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AFTER HOURS

Friday, November 21
 M.I.T.—Grecian Night at Technology comes to Morse Hall off Walker at 8 p.m. Brad Kent will play and there will be refreshments. The posters say come stag. Admission, \$1.20.
 New England Mutual Hall—Barn Dance with caller Dick Delery. 8-12. Admission 95 cents.
 Mt. Auburn Hospital—"Turkey Trot" Margaret Jewett Hall from 8 to 12. Music by "Jackson". Fifty cents.
 New England Baptist Hospital—An acquaintance dance at the nurses' home 8 to 12. Admission, 35 cents.

Saturday, November 22
 M. I. T.—The Dorm Social Committee will hold its "Talking Turkey Dance" at Baker House. Spiked and unspiked punch will be served. Admission will be \$1.25 a couple.
 Graduate House—The Grad House Barn Dance will be held in the Campus Room at 8:30 p.m. Cider, beer, and chips will be served and Dick Castner will do the calling. Admission, \$1.50 per couple.

THEATER
 Shubert—Bette Davis sings and dances in the musical review "Two's Company."
 Brattle—"The Temptation of Maggy Hagerty" continues.
 M. I. T.—The Staff Players will perform Sophocles' "Antigone" tonight and tomorrow night in Huntington Hall, 10-230. Their posters claim that the ancient sage Plato considered this play "more shocking than communism and corruption," "more tragic than MacCarthyism." Admission is \$1.20, 90 cents for undergraduates.

MOVIES
 Astor—Stanley Kramer's production of the Broadway comedy "The Happy Time", starring Charles Boyer and Louis Jourdan. Beacon Hill—The new movie here is "High Noon", a British suspense film about espionage.
 Cine—The Boston Film Society presents Rossellini's "Open City" as part of the Italian Film Festival at 357 Charles St. tomorrow and Sunday at 7:30 and 9:30 p.m.
 Exeter—"The second week of Alec Guinness in "The Promoter."

Kenmore—The British Festival film "The Magic Box", with many stars in a cast topped by Laurence Olivier. With it will be Alec Guinness in "The Mudlark."
 Metropolitan—The technicolor version of Hemmingway's "Snow of Kilimanjaro" with Gregory Peck, Ava Gardner, and Susan Hayward.
 Hayward
 Pilgrim—"Operation Secret"—Cornel Wilde and Mylène Dumas in a war melodrama.
 Stewart Granger
 "Prisoner of Zenda" with Deborah Kerr and Stewart Granger.
 R. K. O. Boston—Two revivals starting today, "Pittfall" and "Whistle Stop."
 Uptown—Alfred Hitchcock's "The Lady Vanishes" along with "The Lusty Men."

CONCERTS
 Harvard and Yale Glee Club—The annual joint concert of these clubs will be held tonight at 8:15 in the Sanders Theater, Harvard.
 M. I. T. Humanities Series—The New Music String Quartet will play works of Beethoven, Bartok, and Ravel in 10-250 at 8:30 Sunday afternoon. The concert will be free.
 Boston Symphony—The program this afternoon and tomorrow night will include works of Cimarosa, Reger, Gluck, and Strauss and will feature Elena Nikolaid, coloratura with the Metropolitan Opera.

New England Opera Theater—Rossini's "Barber of Seville" will be presented in English at the Opera House Sunday at 3 p.m.
 Budapest String Quartet—At the Sanders Theater, Harvard, Sunday at 3 p.m.

into a semi-annual "Tech's-a-Poppin'." This means twice as much apathy.
 No, the best thing to do is let Field Day stand as it is; let the good-clean sport survive; let the car trips, practical jokes, even the Glove Fight remain a part of Tech life!

Does this mean that next year we'll have the same sort of shambles as this? Of course not. For one thing next year's sophomores will have had enough of long-journey car trips, unsportsmanlike activities, damage-causing and the like. Secondly, the Glove Fight Freshman-Sophomore ratio will never again be so great as it was this year, and next year's freshmen, no matter what the size of their class, will still outnumber the sophomores.

I do feel, however, that a few regulations might be imposed, such as: (1) Maximum mileage per car trip should not be more than that to Wellesley. (2) If a person can honestly prove that he has a quiz the following day, he should be exempted from trips. However, he should not participate in any ruckus, or else he forfeits his immunity. (3) Waste paper baskets and fire fighting equipment should not be used for water carriers. (4) Damage to personal and M.I.T. property should be immediately reported.

Of course these rules and what few other limiting rules are imposed won't be strictly upheld . . . but violation of the rules will be emphatically

(Continued on Page 4)

Airflow Research Uses Shock Tube To Blast Models

BY FRANK SARNO

When the painted wooden sign "Project Locus Shock Tube" was removed from the top of the side door to Bldg. 22 for the first time since the Spring of 1950, the transfer of the project to Bldg. 41 was near completion.

Much more difficult to move was the 18 ton tube itself. The tube (98 feet long with all the 8x24 inch sections assembled) is used for studying effect of shock waves on various types of structures. The Air Force is presently finding it of great value, for Aero-elastic and structure research in the Air Force Blast Program.

A diaphragm separates the tube internally into a compression chamber capable of producing a pressure of 250 psi, and an expansion chamber. Pressure is built up in the first part to burst the diaphragm at any desired pressure up to 250 psi. The shock wave then surges through a test section in the expansion chamber where photographs of the flow are made by means of an interferometer. A small plate glass window, three inches in width, in front of the test section allows a beam of light to enter the tube. When the beam is bent by the pressure head it sets off a photo electric cell which times the snapping of the pictures. Then by flicking the beam of light on and off a complete series of photos can be taken of phases of the shock wave in one "run." Helium and Argon are sometimes used instead of air to attain higher pressure and raise the Mach number.

The construction of the tube had to be of such a design so as to prevent warping of the sides and at the same time to hold the pressures. In order to clear the inside of the tube of fragments, a brush is shot through. This the researchers have fondly termed "Doodle-bug." Another problem—controlling the pressure at which the diaphragm would burst—was solved with the help of a hydrometer. Thirty odd materials were studied, and interestingly enough, a sausage bag was found to be ideally suited for the job except that its thickness was not great enough for the overpressures needed. The pressure at which the diaphragm bursts can also be varied by supporting it with cross bars or by using two or three diaphragms at once.

Though not the largest in the country this shock tube is one of the few controlled by such delicate instruments. Similar shock tubes are located at Princeton and the University of Michigan.

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\$1.20 Regular

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Engineer Swimmers Begin Practice For '52-'53 Season

It was announced some time ago by Coach Gorden Smith that the Engineer varsity swimming team will tackle a ten-meet schedule this year.

Only five lettermen are back from last years lineup which posted an unimpressive 4' record, one of the poorest in "Smitty's" regime. Last years varsity regulars are Dave Daniel, Howie Munro, Jim Dwyer, Don Bailey, and Manny Lidon.

These swimmers will be supplimented by a large aggregation of last years freshmen, who boasted a 7-3 record. These second classmen are Tom Hamilton, Frank Buck, Vinay Ambegaokar, Harolk Cohen, Jackson Hester, Pete Brand, Walter Fritz, Mike Naurenberg, Charles Shaw, Al Preyss, John Woulbraun Reverdy Wright, Rodger Praeger, and Steve Hapsburg.

Upperclassmen who are out for the team for the first year are Barry Weeks, Charles Shaw, Jim Bushnell, and Bob Mason.

Coach Smith hopes to have a greatly improved team this year and their real power will be tested when they meet Amherst College on December 6 in the Alumni Pool.

The Freshmen squad has been sharing the pool with the varsity in their

daily afternoon workouts and Freshmen Coach Roy Mettit hopes to have them in sufficient shape by December 10 to beat Brown. Though green and not to experienced, the frosh have a large amount of potential, and only time will tell if it can be brought to the fore.

SWIMMING SCHEDULE

Dec. 6	Amherst Col. Varsity	2:00 PM	Home
Dec. 10	Brown Un. Freshmen	7:30 PM	Away
Dec. 10	Brown Un. Freshmen	7:30 PM	Away
Dec. 12	Wesleyan Un. Varsity	7:30 PM	Home
Dec. 13	Dean Acad.	Freshmen 3:00 PM	Away
Jan. 10	Exeter Acad.	Freshmen 3:00 PM	Home
Jan. 14	Brookline High School	Freshmen 4:00 PM	Home
Jan. 14	Holy Cross College Varsity	8:00 PM	Away
Jan. 16	Un. of Connecticut Varsity	4:00 PM	Home
Jan. 21	Worcester Acad.	Freshmen 4:00 PM	Home
Jan. 21	Grad. Students (Tentative)	7:30 PM	Home
Feb. 14	Moses Brown School	Freshmen 3:00 PM	Home
Feb. 17	Gardner High School	Freshman 4:30 PM	Home
Feb. 18	W. P. L. Varsity	8:00 PM	Away
Feb. 25	St. George's School	Freshmen 4:00 PM	Away
Feb. 25	Boston Un. Varsity	8:00 PM	Away
Feb. 28	R. P. L. Varsity	2:00 PM	Home
Feb. 28	Tufts U. 3-way dual	Freshmen 2:00 PM	Home
Mar. 4	Tufts College Varsity	8:00 PM	Home
Mar. 7	U. S. Coast Guard Acad.	Varsity 2:00 PM	Home
Mar. 7	Harvard	Frosh 2:00 PM	Home
Mar. 13-14	New England Intercollegiate Swimming Association's Championship Meet	at M. I. T.	

Beavers Place 13th In I. C.-4A Meet

The Engineer varsity cross country team placed thirteenth in a field of twenty-three in the I.C.A.A.A. cross country championship run, held Monday at Van Courtland Park in New York. John Farquhar led the Beaver contingent as he finished 21st, first among the New Englanders competing. Michigan State placed five men in the first twenty to win the meet handily. Army finished second, followed closely by Syracuse. The first New England team in the standings was Rhode Island, in tenth, followed by M.I.T., Yale, and Harvard in that order.

Charles Capozzoli of Geargetown won the race, touring the five mile course in 24:30.1 minutes. Capozzoli took first easily, as the second man finished over twenty seconds behind him. The positions of the five Tech runners are as follows:

1. John Faquhar, 21st Time 26:03
2. Hugh Nutely, 62nd Time 27:05
3. John Avery, 77th Time 27:23
4. Jerry Tiemann, 82nd Time 27:29
5. Larry Berman, 131st Time 28:40

The previously undefeated freshman team, New England champions, placed eighth in a field of fifteen. The frosh were led by Ray Smith who finished the three-mile course in 16:02, for twenty-first place. He was followed by Dave Palamountain, 31st, Jack Buell in 32nd, Pete Korn, 50th, and Bill Fitz-Gibbon, 65th. Manhattan took the freshman championship, with Massachusetts the leading New England entry, in sixth place.

This meet brings a successful cross country season to a close. The varsity team lost only one dual meet, and placed second in the New England, while the freshman were undefeated in dual competition and won the New England Freshman Championship. Next year's team promises to be a good one, since, of the first five, only Tiemann will be lost by graduation. A strong freshman team will also bolster the varsity team next year.

Now, with cross country out of the way, the runners are already starting to work out on the boards in preparation for the approaching winter track season. However, as yet the varsity team has no meets scheduled until January.

Squash Team Wins Over Lincoln's Inn In MSRA Opener

The varsity squash team won their opening game in Massachusetts Squash Racquets Association play 4-1, defeating the Lincoln's Inn team. Number 1 man Paul Rudzinski was the only loser, as Nari Malani, Hubert Harriman, John Melavas, and Glen Maxon swept to victory to pace the Engineer win. Coach Jack Summers was pleased at the win, and expressed hope for a successful season.

MSRA matches will be held almost every Tuesday during the year for the varsity, with the junior varsity playing on Wednesdays and the freshmen on Thursdays. The first varsity intercollegiate match will be against Dartmouth at Hanover, New Hampshire on December 6.

Placement Bureau Needs Applicants

During the last few weeks the Senior and Graduate Placement Bureau has been in dire need of the Institute's February graduates. As was the case last Spring, many more companies have been scheduling days for interviews with Institute graduates than had been the case before last year. Since the number of graduates has been decreasing during this time, some company interview lists are far from filled. The Bureau requests those students interested in obtaining permanent work to come around. At this time of year, there is an excessive lack of interest shown by the students.

Part time jobs are available in various laboratories of the Institute. These are dealt with through the Student Personnel Office, Room 5-123, Mr. Carlisle, who is in charge of this placement, would like for all students who expect to in the near future need such jobs to come in and fill out the necessary applications so that when the desired type of laboratory work is available he can notify the applicant. Otherwise, jobs and applicants do not become available at the same time.

NOTICE

DEMOLAY

There will be a meeting of Demolay Saturday, November 22 at 2:00 p.m. in Room 5-104. The purpose is to organize a Chapter at M. I. T. and to elect officers.

Frosh Race To Victory In Fall Interclass Meet; Sophs Place Second

Last Saturday afternoon on the field adjoining Rockwell Cage, the Frosh proved that the results of Field Day were not conclusive as they ran rampant over a field which included Sophomores, Juniors and Seniors. The Frosh took first, tallying 77 points, the Sophs behind them with 44 points, the Seniors third with 27 points and the Juniors trailing with only 25. The Frosh, deprived of their star runners, who were running in the I.C.4A meet, still came through with an overwhelming score as two of their men, John Morefield with 4 firsts, and James Mozzicato with 3 firsts and 1 second, placed first and second respectively.

In the first event, the high hurdles, two sophomores, Latteof and Joy swept through to win. In the 100 yard dash James Mozzicato of '56 nosed out Bill Antoine of '55 with the time of 10.5 seconds. In the next event, the mile run, a surprise popped up as a member of the Class of '52, Charles Vicares won with a remarkable time of 5.011 seconds. In the 440 yard run, George Grenier, a senior, sped across the line in 52.6 seconds. In the second hurdle event, the 100 yard low hurdles, a Sophomore, Shapiro, ran the course in 12.3 seconds. In the 880 yard run, it was another Sophomore who won, this time beating a Senior with a time of 2:136 minutes. In the 220, James Mozzicato of '56 edged out one of his classmates with the time of 22.9 seconds.

In the field of events John Morefield of '56 high scorer, outclassed the other contestants. Morefield took the

N. U. G. G. S.

Dear Editor,
I should like Jerry Allbright to explain just what he means by "administration as we have known it." I think NUGGS is a great idea, but I don't like the sound of that phrase, and an explanation is needed or a lot of the fellows won't be so enthusiastic as they were at first.

Yours truly,
Jim Bannister

Dear Editor,
If Mr. Allbright expects to make a success of Nuggs, he better put a few new things in that platform. What about us? Is there any reason we should not be Nuggettes?

Lois Watson and others

Dear Editor,
You certainly are a bunch of dopes at M.I.T. Sure Nuggs is a good idea, but why go at it that way? Don't you realize now that every faculty and board of administrators in the country is digging in to fight this out to the last man. Here in the mid-west, every bit of college funds has been buried underground, and there isn't a faculty member that you could tell off hand from a business man from the next big town. At one of the Universities out here, even the alumni have stopped their drive for funds for the new Student Union,—a must for the new Nuggs campus if ever there was one. The water has been drained from our new million dollar swimming pool and the pipes pulled up and twisted beyond recognition. If you hairy-eared engineers had anything between, we might have put this over with a bang, but as I see it now, we have a hard fight ahead. Keep underground boys, and communicate by code hereafter.

Fred Simpson, a mole from Mo.

Dear Editor,
We men here at the house have talked over Mr. Allbright's suggested Society, and we have come to the conclusion that the whole thing is nothing more than an underhanded attempt to get rid of fraternities. No National would allow a chapter to continue in such a "college" as Mr. Allbright would form, and he knows it. This is pure anti-fraternity propaganda, and had better be looked upon as such right now. No one with any thought could believe otherwise. Notice the letter signed "Yours in the bond and out of the bondage." Nuggs indeed! Nuggs, they mean.

Sincerely yours,
Richard Wharton

Dear Editor,
I am glad to see the reception which my idea about the National Undergraduate Gripe Society has received. I knew it was a grand idea but I had not expected such immediate universal acclaim. It is true that I did not offer a complete platform. I felt it was better, that the Nuggs would be more truly a representative group if other people's ideas were injected into the platform, and that is just what will happen. I promise you, once we get the organization in full swing, I don't think we need have any doubt at this moment where the Presidency of the Nuggs belongs, but we will always be open to honest suggestions. I hope we have a big turn out for our first meeting here at Tech. I will announce the time and place just as soon as it has been settled.

Yours truly,
Jerry Allbright

Shot Put (41' 11 3/4"), the hammer (121' 5 1/4"), the discus (119' 5"), and the javelin (138' 4 3/4"). The other events, the polevault (Shapiro-11'), the high jump (Antoine-5' 11 3/8"), and the broad jump (Mazzicato-20" 2 1/4"), were the only ones not taken by Morefield.

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Professor Merrill Course VI Society Will Hold Annual Fraternity Banquet Dec. 7th

Professor Edward W. Merrill of the Chemical Engineering Department will speak this evening on "Science as a Profession At the Present Time." The talk will be delivered at the annual banquet of Kappa Kappa Sigma, honorary chemistry fraternity at the Institute.

In his talk, the Professor will compare both pure and applied science with the other professions such as medicine, law, education, and the ministry, and will discuss the unique aspects of science in comparison with the other professions. Professor Merrill will also analyze the moral responsibilities of scientists in the present world.

Eta Kappa Nu, honorary electrical engineering fraternity, will hold its annual banquet on Sunday, December 7, in Baker House.

The Course VI honorary society has also recently initiated 15 new members, including 2 graduate students, 8 seniors, and 5 juniors.

The 2 graduate students initiated are Harold McAleer and Thomas Stern; and the 8 seniors are Bruce Beckley, Walter Brown, Raymond DeKredico, Leonard Ehrman, John Guppy, Rudolf Kalman, David Klepper and Paltiel Macleff. The five juniors are Milton Almquist, William Eccles, Paul Gray, Charles Riley, and George Sebestyen.

House Dance

(Continued from Page 1)

situated in Building 10, much to the disgust of the cleaning personnel.

Chances on the turkey contest consist of tickets to the dance now on sale at \$1.25 per couple. Music for the evening will be in the form of records, and will be heard not only in the cafeteria, but on the balcony and all the nearby lounges from 8:30 until 12.

Free refreshments will consist of cookies, donuts, and both spiked and straight punch.

NOTICE

Plans have been completed for the Oneg Shabat tonight at which Professor Karl W. Deutsch of the English and History Department will speak. The program beginning at eight p.m. sharp in the Hayden Library Lounge, third floor, East Wing, includes liberal services, the talk, a discussion period, refreshments, and folk dancing and singing. Neighboring colleges have been invited and everyone on campus is encouraged to attend.

Killian Speech

(Continued from Page 1)

industry and educators, Dr. Killian made clear this should not "divert the interests of the faculties in the universities from their primary preoccupation with education and basic, uncommitted research."

The shortage of engineers and scientists will be felt in research for several years. Expressing the need for close cooperation between social and physical scientists, he said that just as engineers should have background in humanities, so social scientists should have a technical background.

"The need for men with scientific backgrounds who are competent to deal with the human and material problems which are involved as our industrial structure increases in complexity is only beginning to be realized," said Dr. Killian.

GRAD HOUSE DANCE

There will be a barn dance at the Graduate House Saturday, November 22, from 8:30 to 11:30 p.m. Refreshments will be served. Admission is \$1.50 per couple.

Science Fellowships Open For Academic Year 1952-3

National Science Foundation Fellowships in the biological, engineering, mathematical, medical and physical sciences for the academic year, 1953-1954, are now open to citizens of the United States who can demonstrate exceptional ability and special aptitude in their respective fields. However, no awards will be made to students pursuing the curriculum leading to the M.D. degree.

These fellowships are divided into four categories, three of which are predoctoral fellowships. First year fellowships will be given to students entering graduate school for the first time or those who have completed less than one normal year of graduate study, as of the beginning of the tenure of their fellowships. College seniors who expect to receive a baccalaureate degree during the current academic year are eligible for the first year fellowships. Awards of the intermediate category will be made to students who have completed, as of the beginning of their fellowships, an amount of graduate training considered by the institution at which they are in attendance to be a normal year of graduate study, but who will require more than one additional year to complete the requirements for a doctorate. The third type of predoctoral fellowships go to students who expect to complete the doctorate requirements within one calendar year from the beginning of the fellowship. Those eligible for the postdoctoral grants need to show evidence of training in a field of science equivalent to the training represented by a doctoral degree in the particular field.

Selection of Fellows will be based on academic records and recommendations regarding each candidate's abilities. All predoctoral applicants will be required to take an examination designed to test scientific aptitude and achievement. An evaluation

of each candidate's qualifications will be made by panels of scientists chosen by the National Research Council, and final selection will be made by the National Science Foundation. In addition to announcing the successful candidates for the awards on about April 1, 1953, the Foundation plans to announce the names of predoctoral candidates to whom awards could not be made but who are considered worthy of Honorable Mention—a hint to the candidate that after another year's study he might have a good chance for success.

Stipends vary from slightly under to considerably above the cost of a college year. First year Fellows receive \$1400 while postdoctoral Fellows are granted \$3400, and in all cases one may, upon request, receive an additional \$350 for marriage and \$350 more for each dependent child.

Fellows will be required to devote full time to advanced scientific study or scientific research for one academic year. A Fellow may not receive remuneration from another award or Federal grant or contract during the tenure of the fellowship. The institution at which the Fellow is assigned may give him definite responsibilities (other than normal course work) if the Foundation, the student's adviser and the student agree in advance that these will be required. No remuneration may be accepted for these services.

Those interested and qualified should inquire at the Dean's office for applications. The applications must normally be accompanied by complete copies of college transcripts and a plan of study for advanced training.

New Book Describing Metal Fatigue And Fracture Published

"Fatigue and Fracture of Metals, A Symposium" is a new book recording the views presented by eighteen specialists at a conference on the fatigue and fracture of metals held in June 1950, at the Institute. Published in October under the joint imprint of John Wiley & Sons and The Technology Press, the volume has been edited by William M. Murry, associate professor of mechanical engineering.

With each specialist devoting his attention to one particular aspect of the subject, the volume includes such discussions as the following:

"General Survey of the Problems of Fatigue and Fracture" by M. Gensamer; "The Fatigue Problem in Airplane Structures" by H. L. Dryden, R. V. Rhode, and P. Kuhn; "Brittle Fracture and Fatigue in Ships" by F. Jonassen; "Brittle Fracture and Fatigue in Machinery" by R. E. Peterson; "Internal Stresses and Fatigue" by O. J. Horger and H. R. Neifert.

Letter

(Continued from Page 2)

frowned upon. I do not think there should be any change whatever in Glove Fight Rules (unless the Institute sees fit to put a more permanent boundary around the field of battle than mere upperclassmen to hold back the crowds). I see no reason why we should abandon this activity and become the panty-waist bookworms many outsiders picture us as. No, let Field Day remain in its entirety, let the five weeks of freshman-Sophomore hazing remain, and let us revel in the majesty of a fine spirit of class unity and merry joviality.

RALPH BLOCK, '53
November 15, 1952.

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