

Tech Track Team in Good Will Meet with Athletes From Italy

110 PARTICIPANTS

Seven New England Colleges Entered in Friendship Field Meet

ITALIANS ARE MEMBERS OF FRIENDSHIP PARTY

Contestants Include World's Record Holder in 1500 Meter Event

Visiting Italian athletes and local college men will take part this afternoon in one of the largest track meets ever held in the East. The meet will be held in the Harvard Stadium, and will start at three o'clock. Seven leading New England colleges will enter participants, including Technology. Nine Institute men, including three sophomores, are entered among the 70 contestants from the American colleges.

Those chosen are: Mort Jenkins, '35; Frank Lovering, '35; Al Green—
(Continued on Page 5)

COMMUTERS MEET AT 5:15 SMOKER THIS AFTERNOON

Professor Robert E. Rogers to Be Principal Speaker for Occasion

CLUB PLANS BARN DANCE

Providing an opportunity for commuting students to meet each other, the 5:15 Club will hold its first smoker of the school year today at 5:15 o'clock in the Commuter's room in the basement of Walker Memorial.

Professor Robert E. Rogers will be the principal speaker of the occasion, while others on the program will be Gerald M. Golden, '35, president of the club, and Walter H. Stockmayer, '35, president of the Senior Class and Institute Committee. Golden will explain the commuter's association to those present and will outline plans for the year. Stockmayer will attempt to interest the freshmen in an activity.

All Are Invited

Everyone is invited to attend this first smoker, the affair not being limited to members of the club. Cider, doughnuts, and cigarettes will be distributed free.

Announcement of the first commuter's dance of the season to take place Thursday, October 11, will be made at today's smoker. It is planned to have this dance similar to a barn dance although it will be held in the Main Hall of Walker Memorial as usual. Duke Charles' orchestra will provide the music for the occasion, and one of the features of the dance will be a blues singer. Prices of admission are \$1.25 for club members and \$1.50 for others.

Organized Last Spring

Commuters were first organized in the spring of 1933 when weekly luncheon meetings were held at which a member of the Faculty usually spoke. Becoming more numerous, the members of the club were last year granted the use of the old pool room in Walker Memorial for a meeting place. The room was renovated and furnished to provide a lounge.

VOSS PREDICTS ENLARGEMENT OF NEW FIELD HOUSE

Prophesies More Squash Courts, Large Swimming Pool in Five Years

FACULTY CLUB HEARS SPEECH AT LUNCHEON

Educational Institution Must Have More Than Good Staff, He Says

Enlargement of the new track and field house within five years to include more squash courts, a large swimming pool, and a gymnasium, was prophesied by Professor Walter C. Voss in a speech before the Faculty Club at a luncheon meeting in Walker on Wednesday, October 3.

Professor Voss asserted that if an educational institution is to have drawing power it must have something besides a good instructing staff, "it must have appeal." This attraction must come from extracurricular activities of various sorts, since the "ease of manner, cooperative spirit, and opportunity for responsibility which extra-curricular activities furnish is throttled and dampened by the usual curricular activities." Technology has had its scientific accomplishments popularized to a great extent. Accordingly the authorities turned their attention to athletics.

Committee Makes Plans

A committee composed of Horace Ford as chairman, Dean William Emerson, Henry Worcester, Dr. Allan Rowe, and Professor Voss was appointed by the officers to consider plans for a new housing for track and allied activities. After their report had been submitted to the Executive Committee of the Corporation, that body appropriated \$50,000 for a new field house to be named in honor of Edmund Dana Barbour. Work got under way immediately.

The staff of the Institute contributed to the construction directly, instead of the usual round-about method.

(Continued on Page 3)

Calvin Rice, Member Of Corporation, Dies Suddenly Of Stroke

Field Day Competitors Need Eligibility Cards

All men intending to compete on Field Day teams must have filled out eligibility cards with the managers of their events by Thursday, October 25, which is the day before Field Day. In order to be eligible for competition, a man must have taken his Institute physical examination and received his green physical fitness card from the Medical Department.

Harry E. Essley, '36, manager of Field Day, has stated that this rule will be very strictly enforced, as will the rule applying to kidnapping of team members. By the latter regulation, a class responsible for the kidnapping of any member of an opposing team will automatically forfeit Field Day.

JONES IS SPEAKER AT FIRST MEETING OF CHEM. SOCIETY

Harvard Professor Speaks on Adulterated Food Products

LARGE CROWD ATTENDS

Professor Grinnell Jones, of the department of physical chemistry at Harvard, was the principal speaker last night at the Technology Chemical Society's first meeting of the year which completely filled the Moore Room in Building 6.

Professor Jones gave an interesting and humorous talk about adulterated food products which he entitled "The United States Government versus Six Barrels of Pepper."

The meeting was opened with the reading of the report of the first meeting which was held in Boston on January 9, 1903, at which the speakers were Professors Moore and Walker. After giving a list of the names of the members elected at that first gathering, the report continued to say that at the suggestion of Professor Walker the society spent one hour singing.

At last night's meeting girl students served cider and sandwiches as has been the custom in recent years.

(Continued on Page 6)

STUDENTS MAY JOIN CHESS ASSOCIATION

Chess players among American colleges are now cooperating with the Intercollegiate Chess Association of America as unit clubs. The I. C. A. is a co-ed chess organization. It offers a unique program termed "Social Chess Education."

Annual correspondence matches, inter-collegiate tournaments, and national title matches form part of the play program. Mimeographed chess items of current events serve as the basis for local club entertainment at weekly or semi-weekly meetings.

Chess players on the campus who are interested in starting a local chess club may obtain details by writing to Paul J. Miller, Jr., president of the I. C. A., P. O. Box 1014, Meridian, Mississippi.

SECRETARY A. S. M. E.

Served as Member of Visiting Committee for Various Departments

HELPED TO ESTABLISH THE JOHN FRITZ MEDAL

First Suggested and Worked Out Plans for Formation of R. O. T. C.

Dr. Calvin W. Rice, '90, died Tuesday in New York after being suddenly stricken with cerebral hemorrhage. Dr. Rice was a term member of the corporation and for the past 28 years had been secretary of the American Society of Mechanical Engineers. He was well known because of his encouragement of international friendship and cooperation between engineering groups.

During his entire term as a corporation member, he served as a member of the visiting committee of the department of mechanical engineering at the Institute. In 1930-31 he served in the same capacity for the department of business and engineering administration, and from 1931 to 1934,
(Continued on Page 4)

SCHOLARSHIP WINNER VIEWS ARCHITECTURE IN EUROPEAN CITIES

Samuel Paul, '35, Makes Study of Architecture at Fontainebleau

Samuel Paul, '35, student in course IV, spent a very profitable summer in Europe this year as the 1934 winner of the Fontainebleau Scholarship. The scholarship offers a summer's study in the Fontainebleau School of Fine Arts in Fontainebleau, France.

On June 13 Paul sailed on the S. S. LaFayette for France, where he stayed until the middle of August. Thereafter his time was spent in traveling through Northern France, Belgium and Holland, making sketches of cathedrals, quaint nooks, and modern department stores. The main cities visited were Rouen, Tours, Ghent, Rotterdam and Amsterdam.

During his travels Paul met John W. Minnos, '33, winner of the Tech Traveling Fellowship, and Nembhard N. Culin, '34, winner of the Routh Scholarship. After a pleasant tour, being cordially welcomed everywhere, Paul returned September 27. He is now in his fifth year and president of the Sigma Alpha Mu fraternity.

FRESHMAN - SOPHOMORE DEBATE TO BE HELD

Under the guidance of Mr. Howard R. Bartlett, the Debating Society met last Thursday evening at Walker Memorial for their first meeting this year. The freshmen were given an outline of this year's program through the speeches of Mr. Howard and the officers.

In two weeks the Society will meet again at which time they will hold a debate on the question, resolved: "Freshmen and Sophomore battles shall be eliminated." Two sophomores and two freshmen will comprise the opposing sides.

Second Freshman Aptitude Test to Be Held Tomorrow

The second of two aptitude tests for the freshman class, inaugurated last week at the Institute in connection with the Society for the Promotion of Engineering Education, will be held tomorrow at the same hour as last week, namely, 11 to 12:45 o'clock. The first test was in mathematics; tomorrow's will be an English examination.

The following room assignments for the tests have been made:

A-H—Room 3-410

I-R—Room 3-440

S-Z—Room 3-460

To make way for these examinations, the mathematics schedule for tomorrow only has been changed. M11 classes which regularly meet at 11 A. M. have been changed to 9 A. M. Section 10 will meet in Room 2-270; Section 11 in Room 2-270; Section 12 in Room 2-278, and Section 13 in 2-147.

STUDENTS TO GET ADDITIONAL HELP IN MATHEMATICS

Plan Designed to Help Those Having Difficulty in Class Work

FIRST TIME TRIED HERE

Students who are unable to keep up with their work in mathematics will have the privilege this year of obtaining extra instruction, it was announced today by the Mathematics Department. This will be given by Professor Samuel D. Zeldin, and is
(Continued on Page 6)

Technology Administrators Travelled In Europe During Summer Vacation

Dr. Bush Attends International Congress of Applied Mechanics; Dr. Prescott and Dr. Emerson Visit in England and France.

Three notable figures of Institute administration journeyed abroad this summer. Dr. Vannevar Bush, vice-president; Dr. Samuel C. Prescott, Dean of Science, and William Emerson, Dean of Architecture.

Dr. Bush was invited to the Fourth International Congress of Applied Mechanics at the University of Cambridge in England; Dr. Prescott's itinerary included both England and the continent, and Dean Emerson stayed in Senlis, a small town north of Paris, for the duration of his vacation.

"Recent Developments in Analyzing Machines" was the subject of a lecture which Dr. Bush delivered to I. C. A. M., his material including the current work on the differential analyzer, or the "thinking machine," the colorimeter of Professor Arthur C. Hardy, and other analytical machines developed at Technology.

With the aid of Dr. Bush and other members of the Institute staff, several models of the differential analyzer are now under construction in

Back From Trip Abroad



Dr. Samuel C. Prescott

various parts of the world. Professor Svein Rosseland, director of the Astrophysical Institute in Oslo, Norway, is at work on an instrument for use in astronomical calculations, particularly in the study of variable stars. At the University of Manchester in England, Dr. D. R. Hartree is building one for wave mechanics work in atomistics. Still another is being con-

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DEATH KNELL

FRATERNITIES PASS AT YALE

ULTIMATE collapse of fraternities at Yale has been predicted by the *Yale News*, viewing the decision of Alpha Delta Phi, one of the strongest houses, to "elect no members from the Class of 1937."

The reason given is the inception of the house plan at Yale University in 1933, and the *News* commends the fraternity for refusing to burden a group of men unnecessarily.

Here at Technology the situation is not only different, but entirely at the opposite end of the scale. Instead of increasing dormitory facilities offered to undergraduates, the administration has actually diminished them, in actual figures by about 200.

Students who neglected to sign up for rooms early found that by the time they got back from their vacations, there was a waiting list, which has since been cut from fifty to four. Forced for immediate purposes to look elsewhere, many students took advantage of the scanty local facilities (mostly private families), and it is quite conceivable that some freshmen were influenced in their decision to join fraternities by the immediate prospect of getting a place to live.

Obviously this latter effect was not the intention of the administration in establishing a graduate house. Attempting to offset this effect, officials published a warning against hurried pledging in the *General Bulletin*. But nevertheless, this situation has contributed to placing fraternities at Technology on a sound financial basis.

Fraternities here seem now to be at a peak of success, with no signs of having reached a turning point. Perhaps some day the house system may be extended to include undergraduates, but for the present that possibility seems almost too remote for consideration.

OPPORTUNITY KNOCKS

COMBINED PROFESSIONAL SOCIETY

THE tone of the Combined Professional Society meeting Wednesday was not one of great encouragement. For some reason the undergraduates in the lower classes are not joining their respective societies in sufficient numbers.

Of course, their failure to join does not endanger the existence of the societies. There are enough knowing upperclassmen to insure the continuance of these worthy organizations. The loss is to the non-members for the most part.

While we do not advocate that everyone become a "joiner," as the old poem used to say, we wish to point out to the men in the two lower classes the advantages of becoming enrolled in their own professional society.

In the first place they will gain much first-hand knowledge from the excellent speakers which the societies invite to their meetings. These men are leaders in their respective fields and always have a valuable message for the student. They offer opportunity to contact these men and make friendships.

In the second place they permit the new student to become acquainted with the faculty members who will be teaching him his professional courses in the near future. It brings a personal relationship which is infinitely more valuable than a mere class room acquaintance.

It also permits the younger man to meet upperclassmen in his own calling. He gets to know them at school and will know them when they have long since been graduated and scattered throughout the country.

For these reasons we urge every undergraduate to join his professional society. If he doubts our word, a visit to one of their meetings will convince him.

ANOTHER FOG DISSIPATOR

MUNITIONS MAKERS

THE current congressional investigation, now in recess, of the munitions traffic can, after the opening three-week period of hearings, leave little doubt of the veracity of those startling tales about corruption in high places recounted earlier this year by a few daring writers in books and magazines. Such individuals as the de Wendels and Sir Basil Zaharoff, formerly quite unknown in this country, have had their nefarious trade so thoroughly aired before the public that it will be a long time before they can again attain the comfortable obscurity they tried so hard to keep. Giant corporations, which at least in the public mind were once epitomes of respectability, have had their prestige weakened now that the questionable way in which they developed during war times has become known.

Certainly that most vital agency for achieving reform, an aroused public opinion, is now far from lacking. It should be more difficult to steer patriotic sentiment into martial channels when the people have been brought to recognize the fact that munitions manufacturers and others who would benefit by war furnish the propoganda to disturb the peace. But public indignation subsides quickly when the fuel by which it is fed is exhausted; and there is little reason why the feeling now extant should be instrumental in effecting reforms unless it is crystalized in the form of denite action now.

The remedy for the evils of the munitions traffic which immediately suggests itself is government ownership and operation of armaments concerns. This is part of a program of action presented to the public night before last by Senator Gerald Nye, the energetic chairman of the Congressional investigating committee, in a radio address. In addition to governmental manufacture, he proposed the immediate enactment of a law doubling the income tax on incomes up to \$10,000 and raising the rate to 98 per cent on incomes greater than that immediately upon declaration of war. "See then what strength would come to efforts to stay out of wars," the senator declared.

Such a device to make those who profit by wars pay for them would be ideal, but the chances for realizing it seem small at this time, principally because of the great influence those classes of society who would fight its adoption tooth and nail have upon our legislative bodies. In a similar manner the munitions makers are powerful enough to block governmental operation of their concerns unless the people give their lawmakers an unmistakable mandate to bring this reform about in spite of bribes and lobbies.

By a complete dissolution of the popular romantic and sentimental notions about the causes and nature of war we may be able to effect its ultimate abolition. We look forward, therefore, to the continuation of the hearings by the investigating committee, and hope that the rate of dissolution that it has set up will be maintained.

ELECTIONS

Volume LIV of THE TECH takes pleasure in announcing the election of Harry N. Tichnor, '36, to Assistant Editor in charge of Photography, and of Milton B. Dobrin, '36, to the position of member of the Editorial Board.



Zaap!

We supposed that the department of Physics had a system for grading its members according to instructing ability, but when Professor George B. Harrison told us that he had classified them according to increasing voltages and decreasing wave lengths, we gave up wondering and turned back to something simple, like the study of what makes the atom go 'round.

In order he lists: Vallarta, Evans, Boyce, Sears, Van De Graaf, Warren, Allis, Rudberg, Harrison, Wulff, Nottingham, Mueller, Frank, Hardy, Slater, Morse, Stratton and Stockbarger. It must be humiliating to Mr. Stockbarger to know what his wave-length is practically nil, but

think of the fun he can have shocking people with his high voltage. He might even get to being called "High-voltage" Stockbarger.

Also Twang!

The professor projected another enterprising note into the question when he said, "X-ray men want their rubber unstretched, but I don't know why, because all rubber ever does is stretch." This immediately classes the professor as among people who know least about rubber. He had better stick to electrons.

Super to Nuts

Our periodic report from the superintendent cites the case of the fellow who has three different schedules on file with him, and who vaguely has said that some day he would send in the correct one.

5-Day Week

If you read the last issue of THE TECH you will find proof of the old proverb that the Tech student gets (Continued on Page 4)



Why we advertise

We advertise in order that the public may better understand what the Bell System is doing, and why it does it. In this way we keep customers and prospective customers informed of our aims, policies and progress.

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In line with this broad plan, we find real opportunity in addressing messages to college and university people in their own publications, just as we also vary our advertising for women's magazines, farm papers and so on. 1934-35 is the fifteenth year during which the Bell System has published advertisements which take college men behind the scenes of Bell Telephone service.

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MENORAH SOCIETY TO HOLD SMOKER MONDAY

Plan Intercollegiate Dances With Boston Schools

Marking the opening of the annual functions of the Menorah Society a smoker to which all are welcome, will be held Monday, October 8, in the 5:15 club-room at 7:30 p. m., today announced Paul Goldberg, president of the Society Professor W. T. Hall of the Chemistry Department will be the principal speaker.


The coming inter-collegiate dance with Harvard, Tufts, Radcliffe, Simmons, Emerson, Portia, and Boston Teachers' School will be discussed. Refreshments will be served during the meeting.

500 FRESHMAN ATTEND SLIDE RULE LECTURES

Approximately ninety per cent of the freshmen class attended the lectures given on Tuesday by Professor R. D. Douglass. Professor Douglass gave, in these lectures, instruction on the correct use of the slide rule.

EVERY BANKING FACILITY

KENDALL SQUARE OFFICE



HARVARD TRUST COMPANY

ATHLETES REQUESTED TO OBTAIN SHINGLES

The following men are asked to report to the A. A. office as soon as possible to obtain their shingles in the following sports:

Crew: L. G. Haines, F. A. Miller, G. E. Agnew, R. A. Olsen, A. L. Has-kins, W. F. Bixby, W. H. Rothen, M. W. Brooks, A. Q. Mowatt, R. M. Whitmore, E. L. Pratt, D. B. Wood, T. L. Johnson, Jr.

fTt: J. H. Colby, F. D. Mathias, R. W. Forster, J. D. Gardiner, V. V. Halversen.

wTt: H. M. Oshry.

rTt: R. F. Greer, C. F. B. Price, Jr., R. E. Rice, R. M. Doane, R. F. Flood, R. A. Denton, L. C. Hall.

tTt: N. E. Ruckman, J. L. Newman, S. C. Rethorst.

gTt: E. Van Ham, W. M. Benson, A. E. Wells, Jr., R. F. Ozol, G. C. Morrissette, E. F. Everett, Jr., H. Miller, D. A. Werblin, N. C. Moore.

sTt: J. H. Best.

aTt: G. R. Forsburg, J. F. C. Waram.

bTt: J. G. Oldham, D. C. Gutleben.

ENLARGEMENT OF FIELD HOUSE IS PROPHESED

(Continued from Page 1)

It is noteworthy that the contractors, instead of resenting the supervision, were grateful for the prompt decisions by men qualified to make them. The final cost of the building was only nine hundred dollars over the original estimate.

After this talk, Professor Holt, who had charge of the plumbing and ventilating of the building, led a discussion in which other outstanding facts about the building were pointed out.

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All Latest Steps, Fox Trot, Waltz, "400", etc.
Beginners Guaranteed to Learn Here
15 Private Lessons \$5
Boston's Foremost School

SPORTS COMMENT

Technology's nine representatives on the American track team which meets the visiting Italian stars today at Harvard Stadium will have their work cut out for them to place in the various events. Mort Jenkins, Tech's outstanding distance runner, probably will encounter the stiffest opposition in the person of Luigi Beccali, the famous Italian star. It has been announced that Beccali will attempt to break Bill Bonthron's record for the 1500 meters. Even if the Italian does not succeed in his effort he will cover the distance in fast time. Jenkins will do well to stay close to the visiting flash.

* * * * *

Jim Thomson, entered in the high jump, will have to compete against George Spitz of New York University, in addition to other American and Italian jumpers, according to the event schedule sent out a few days ago. Spitz naturally is favored to carry away first honors, but last night we heard Bob Bowie, assistant track coach here at the Institute, say that Spitz might not compete.

* * * * *

Gene Cooper, Henry Guerke, Tom Brown, Al Greenlaw, John Graham, Frank Lovering, and Stan Johnson, the other seven Tech representatives on the American team also are certain to get plenty of opposition from their American teammates as well as from their foreign opponents.

* * * * *

Those who have a few spare moments at the noon hour and who have a yen to see the game of tennis played as it should be played would do well to linger a few moments at the courts beside Walker Memorial and give eye while President Compton demonstrates at the expense of Henry McCarthy, coach of the Institute basketball team and the bane of all freshmen that take the straight P. T. course. Henry has succumbed to Dr. Compton both times the two have met in the past few days. Dr. Compton, in his younger days, was a better than average player and still retains much of his old skill. Last summer he took on his illustrious brother here and handed him quite a shellacking. The Institute is fortunate in having a President who is not only a noted educator and renowned scientist but also an ardent sports enthusiast.

CABOT MEDALS GIVEN TO FIVE SOPHOMORES

The Cabot bronze medals, awarded annually at the Institute to students who make the greatest improvement in strength, measurements, and general gymnastic efficiency, this year are given to Aleck Fine, Daniel J. Hanlon, William H. Healey, George K. Megerien, and George A. Parker. Honorable mention is given to Leroy C. Hutchinson, Walter F. Kaufman, and Walter J. Maguire. All are members of the class of 1937. The medals are the gift of the late Samuel Cabot, '70.

The only race I ever lost was when my son slipped one of my teddy bear mascots to an opponent.—Gar Wood.

TENNIS TOURNAMENT SIGNUPS CLOSE TODAY

Tennis enthusiasts have their last opportunity of the year to show their wares in the annual fall tournament, which will start a week from Monday.

Drawing has not been made yet pending the end of signups which will definitely close tonight. It is the hope of Manager Edgar Pettibone that the tourney will move along quickly to avoid the cold weather that delayed the semi-finals and finals in last year's tournament.

Gil Hunt, star of last year's crack squad, and newly elected captain, has not returned to defend the title he has won two years in succession. At present Scott Rethorst, '36, who has been appointed captain by Coach Jack Summers, heads the list of players in the meeting.

Dance TO ANSON WEEKS and his Orchestra

For quite good reasons, people are dancing—this season—at The Statler. A famous orchestra... famous food... a famous place.

DINNER DANCING in the Dining Room... SUPPER DANCING in the Salle Moderne.

The STATLER

FRESHMEN

Try the Grill and Enjoy One of the Best Places at Walker

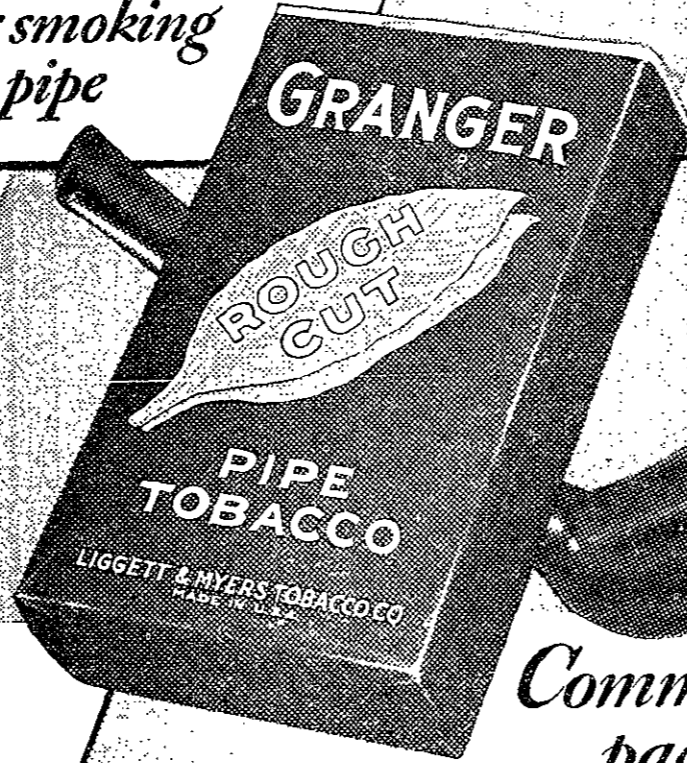
TECHNOLOGY DINING HALLS

WALKER MEMORIAL

folks seem to like it

White Burley
—the best tobacco for smoking in a pipe

Wellman's Process
—adds to the fragrance and makes it act right in the pipe



Rough Cut
—cut the right way to smoke cool and last longer

Common-sense package
—keeps tobacco fresh handy to carry -10¢

*the pipe tobacco that's MILD
the pipe tobacco that's COOL*

TRYOUTS HELD MONDAY FOR DRAMASHOP CAST

"The Tavern" to Be Presented Next November

Tryouts for the cast of the forthcoming Dramashop production, "The Tavern," will be held at five o'clock next Monday afternoon in room 2-178. The play, managed by Harrison S. Woodman, will be presented either on November 23 or November 24, in the Commons Room of the Rogers Building.

Coming as a successor to many other fine plays given by Dramashop, "The Tavern," a recent stage success by George M. Cohan, should provide an excellent medium for the Institute's talent.

DR. RICE, CORPORATION MEMBER, DIES SUDDENLY
(Continued from Page 1)

for the department of economics and statistics.

At a dinner held by the American Society of Mechanical Engineers in New York City in 1931 in honor of Dr. Rice's twenty-fifth anniversary as secretary, the society made him an honorary member in recognition of his long and valuable service. On that occasion, President Karl T. Compton of the Institute delivered an address in which he paid tribute to Dr. Rice's distinguished career. He pointed out that during the quarter century of Dr. Rice's secretaryship, the membership of the A. S. M. E. had increased from 2,500 to 20,000, with student branches and local sections throughout the United States. He also praised the society's remarkable record of having nearly ten per cent of its members serving on active committees for the furtherance of the profession.

Early in the century, Dr. Rice participated in the first cooperative project of the four great national engineering societies, the establishment of the John Fritz Medal. In 1902, as the chairman of the building committee of the American Institute of Electrical Engineers, he was instrumental in inducing Andrew Carnegie to finance the great Engineering Societies Building in New York.

In the same year, Dr. Rice first suggested to the Chief of Staff of the United States Army a plan for the formation of the Officers' Reserve Corps and the R. O. T. C. He later worked out the plan with General Wood, then Commander of the Department of the East, and a joint committee of the engineering societies.

Throughout his professional life, Dr. Rice consistently encouraged international friendship and cooperation between engineering groups. Following Marconi's first successful radio signals across the Atlantic in 1901, Dr. Rice sponsored a banquet at which scientists gathered to honor the inventor. He arranged the great reception accorded Lord and Lady Kelvin in New York the following year, and in 1904 helped arrange a tour of this country for members of the Institution of Electrical Engineers. His active cooperation with the Deutsches Museum of Munich and the Verein deutscher Ingenieure led to the A. S. M. E.'s tour of Germany in 1913 as guests of German engineers.

It was largely through his efforts that funds were subscribed by the engineering bodies of Great Britain and this country for the Kelvin memorial window in Westminster Abbey, an enterprise which led directly to the founding of the Kelvin Medal, probably the first joint undertaking of its kind in the English-speaking world.

When at the fiftieth anniversary gathering of the Verein deutscher Ingenieure in Cologne in 1931, Dr. Rice was awarded the medal of honor, it was "in appreciation of service to technical-scientific achievement, particularly in promoting mutual international interests of engineers of the entire world."

A native of Winchester, Mass., Dr. Rice received his early education in the public schools of Boston, and fol-

MUSICAL CLUBS HOLD FIRST MASS MEETING

The combined Musical Clubs held their annual mass meeting in room 10-250 last Tuesday. Student manager, William Parker, '35, announced the program for the year: Three concerts; at Christmas, in February, and in the Spring. The schedule also includes several trips to girls' schools, Wellesley College and the Franklin School for Girls.

William Weston, coach of the Glee Club, stressed the social and cultural advantages derived from participation and urged all men who can warble even a few notes to come out. Those who missed the tryouts held on Thursday at 5:00 may still sign up. George Hoyen, orchestra leader and coach of the Banjo Club, is still waiting for more banjoists to report to him.

TWENTY-FIVE TYPES OF DEGREES OFFERED TO TECHNOLOGY MEN

Bachelor Degree Is Most Common; Doctor of Philosophy Ranks Second

One of the less well known but no less worthy reasons for Institute fame, is the great number of degrees, both scholastic and honorary, which members of the Institute instructing staff in the various departments hold. There are approximately 512 degrees here, of 25 different types. In compiling these records only the highest degree of its type secured by the members of the staff was counted.

The Bachelor of Science degree is, of course, the most common, with 148 men possessing it. Next in number comes the Doctor of Philosophy with 91 claimants. Seventy-one possessors of the M. S. degree gives it third place, while the D. Sc. comes in fourth with 38 owners. The holders of the B.A. and the M.A. degrees are tied for fifth place with 36 men each.

The degrees at this point become scattered so that sixth place is disputed for by Doctors of Medicine and Engineering with only six claimants each. The M. Arch. then places with five owners, while the rest of the degrees, the LL.B., LL.M., M.E., E.E., C.E., Ph.B., B.Litt., B.E.E., Dr.P.H., B.Arch., B.E., M.B.A., C.P.H., D.Ch., S.Eng. and the B.A.Sc. straggle in at the end with 4, 3, 2 or 1 claimants each.

Taking the departments in the consideration of the numbers of degrees gives first place to the Physics Department with a total of 59. Runner-up is the Electrical Engineering Department with 57 degrees. The Chemistry Department is third with 53. Mechanical Engineering, with 44, and the Biology and Public Health with 31 are fourth and fifth, respectively.

Civil, Aeronautical and Chemical Engineering are all tied for sixth place with 24 degrees each to their credit. The Department of Foreign Languages has the lowest number of degrees, but since it has the smallest number of men on its instructing staff, five, this fact is readily explained.

Following his graduation from M. I. T. was engaged for 16 years as an electrical, hydraulic, and steam engineer in various parts of the country. He was awarded his doctorate in engineering from the Technische Hochschule in Darmstadt in 1926.

He was secretary and a member of the board of trustees of the New York Museum of Science and Industry, a national counselor of Purdue Research Foundation, and a fellow of the American Institute of Electrical Engineers and of the American Association for the Advancement of Science. He was a member of the Institution of Electrical Engineers, and honorary member of the Masaryk Academy at Prague, the Deutsches Museum of Munich, the American Society of Safety Engineers, the Association of Members in Argentina of the National American Engineering Societies, Koninklijk Instituut van Ingenieurs of Holland, and Club de Engenharia (Rio de Janeiro). He was commissioned Lieutenant Colonel in the Officers' Reserve Corps.

The Lounger

(Continued from Page 2)

what he wants after all. It seems that last year we conducted a poll re-cutting out all Saturday classes, and found that Faculty members and even students were much in favor of the 5-day week. But there's many a slip between what the Faculty does and what it says. The very next day, just to prove that THE TECH never tells the truth, it has since been rumored, the Faculty voted down the proposal. One member, who is reverently worshipped as one who is "deeply interested in student affairs," even went on record as saying that he never paid any attention to student opinion. (If you want his name we shall be glad to give it to you if you would care to drop in and ask.)

Anyway, the 5-day week apparently proved a fizzle. That is until the doughty administration (that part of the Institute that does not hand out FF's but does try to collect \$500 from each and all) took a hand. Now we find that Saturday classes have been cut to 84 less than the first term of last year.

For which three cheers for the administration and nuts to the Faculty, including that member we mentioned in particular.

EPIGRAMS

Equal education and practice makes individuals more alike in achievement.—Prof. Homer B. Reed.

There are two ways of meeting difficulties; you alter the difficulties or you alter yourself to meet them.—Phyllis Bottome.

Science is in danger of setting itself up as an external code or framework, as did revealed religion.—Julian Huxley.

I am not much of a historian.—James J. Walker.

It is far better to be the first musician in Elmira than one of 10,000 in New York.—Walter Damrosch.

It is better, really, to be safe than rich.—Joseph Hergesheimer.

It is magnificent to grow old—if one keeps young.—Harry Emerson Fosdick.

Error of opinion may be tolerated where reason is left free to combat it.—Thomas Jefferson.

The bright ones will get along without a college education. It is the slow ones who need college.—Ruth Nichols.

Sometimes it seems everybody has been thinking but the reformers.—Lincoln Steffens.

For we that live to please must please to live.—Samuel Johnson.

You can get a lot out of life just by looking at it.—Louise Kennedy Mabie.

"What keeps the stars shining," is far from being answered.—Professor Henry Norris Russell.

We will essay the difficult role of being tolerant with the intollerant.—Roy W. Howard.

The woman that deliberates is the Joseph Addison.

Clean Clothes

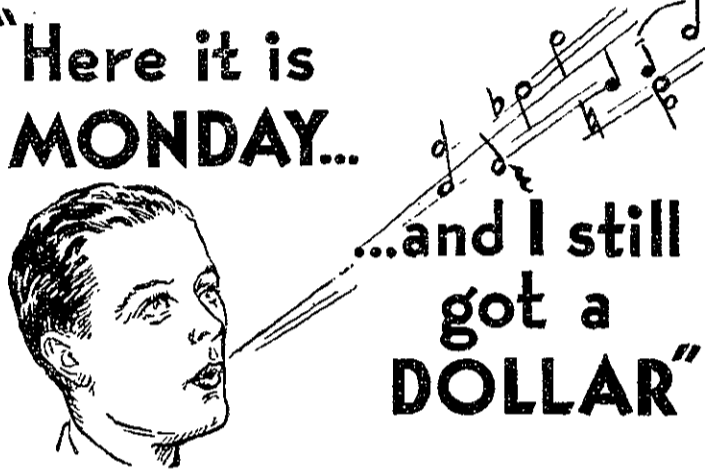
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THREE FACULTY MEMBERS MAKE TRIPS TO EUROPE

(Continued from Page 1)

structed at the University of Pennsylvania for purposes of general analysis.

Meeting a friend he had not seen for forty years, witnessing the special presentation of the Oberammergau Passion Play and encountering a fellow professor from Technology, were among the several thrills experienced by Dr. Prescott in his six weeks' pleasure trip.

During his stay in England, Dean Prescott called upon Theophilus C. Davies, '94, who had been his classmate at the Institute. They had not seen each other since the Commencement of '94.

The performance of the Passion Play which the Dean witnessed was rather extraordinary in that the drama is usually presented every ten years, the last regular one having

been in 1930. The performance was originally undertaken in fulfillment of a vow made in 1633 by the villagers, who thereby expressed their gratitude for the cessation of an epidemic of the plague.

Two Professors Meet at Passion Play
By one of those strange quirks of fate, it happened that another Institute professor, James F. Norris, who was also touring Europe at the time, was present at the same performance and the two met. Together they later attended the opera at Munich.

Other novel experiences followed. He was present in Nuremberg, Germany, on the day that all Germans voted in the poll which made Adolph Hitler president as well as chancellor. Dr. Prescott describes the scene he saw: "Several days before all the streets were gaily decorated, but no disorder was evident at the time of the voting."

In what is known as the Black Forest, in Germany, Dr. Prescott visited the famous Dr. Sudhoff, who, says the Dean, "is the world's greatest authority on medicine."

Cross Channel by Plane

In going from England to France, and later in coming from Belgium to England, the Dean and his party crossed the English Channel in one of the giant transport planes which hold from 35 to 40 people. This trip, he said, took about three hours, as contrasted with an entire day as required by former modes of conveyance.

In all of the countries which he

visited, including England, France, Switzerland, Germany and Scotland, the professor met many famous persons, some of international repute. The tour, however, was taken purely for pleasure.

In addition to a vacation tour, Dr. Prescott fulfilled a number of professional engagements including a visit to Cambridge University where he discussed the research there on the effects of low temperatures on foods. Later he visited Sir Leslie Mackenzie, former head of the health service of Scotland, in Edinburgh, Dr. William G. Savage, a distinguished English health authority and Dr. Carl Sudhoff of Leipzig founder of the Institute for the History of Medicine.

In Paris he visited the office of the International Committee of Weights and Measures to gather material for a biography of the late Dr. Samuel W. Stratton. While there he also visited William Welles Bosworth the architect who designed the Technology buildings, George Bakeman of the Rockefeller Foundation, and colleagues of the Pasteur Institute.

In the party Dr. and Mrs. Prescott were accompanied by their daughter, Eleanor, and a friend, Miss M. G. Ramsaur.

Dean Emerson's purpose in going abroad was mainly to get a rest from the activities of city and university life. Every year since the war he and Mrs. Emerson have spent their summers in Senlis, the quietness of the old cathedral town affording opportunities for relaxation and cultural

pursuits. Dean Emerson first found Senlis when he was a student of architecture at the Beaux Arts School in Paris in 1897.

With other students he used to take bicycle excursions to this rural medieval town. Surrounded with forests and Roman fortifications, Senlis offers its residents a more or less independent existence, and yet is only an hour's drive from Paris, and is near the famous museum in Chantilly. During the summer Professor Emerson worked on a book he is writing on French brick architecture.

ITALIAN ATHLETES HERE FOR GOOD-WILL MEETING

(Continued from Page 1)

law, '35; Tom Brown, '36; Stan Johnson, '36; John Graham, '36; Gene Cooper, '37; Jim Thomson, '37, and Henry Guerke, '37.

Parade Arranged

Local Italians have arranged a parade and colorful field ceremonies to follow the meet. A corps of 40 buglers will go through manoeuvres between the events. The Italian athletes are members of a party of 44 who are making a good will tour of the United States.

The high light of the meet will come when Luigi Beccali, present holder of the world record in the 1500 meter run, faces American competition for the first time since the Olympics of 1932.

Mort Jenkins and Ben Hines of Boston College will toe the mark with Bonthron of Princeton in the American contingent in the 1500 meter event. Bonthron lowered the official time last summer, but his record has not yet been officially accepted by the International Committee on Track.

Gene Cooper, '37, will represent the Institute in the 800 meter race against Don McKee of Boston College.

In the 3000 meter event Henry Guerke, '37, will face Joe McCluskey of Fordham.

Jim Thomson, '37, present holder of the high jump record at the Institute, will face Renado Dotti, of Italy, who has cleared the bar at 6 feet 2 inches. In addition he will put the shot, together with Frank Lovering, '35.


25,000 fans are expected to view this spectacle, since it will give local followers of sporting events a chance to compare their own stars with the cream of the Italian crop.

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CALENDAR

Friday, October 5
 5:15—5:15 Club Smoker, 5:15 Club Room, Walker.
 9:00—Catholic Club Dance, Main Hall, Walker Memorial.

Saturday, October 6
 11:00—Aptitude Test for Freshmen, Sections 1-4, Room 3-410; 5-12, Room 3-440; 13-18, Room 3-460.

Monday, October 8
 6:15—Dormitory Freshman Dinner, North Hall, Walker Memorial.
 7:30—Menorah Society Smoker, 5:15 Club Room, Walker Memorial.

JONES SPEAKS AT FIRST CHEM. SOCIETY MEETING

(Continued from Page 1)

Mr. Ashbough, the trip manager, announced that this year's first visit would be to the Merrimac Chemical Company. The excursion will start from the Main Lobby next Wednesday at 1:15 P. M.

The winners of the customary book raffle were Gordon Gott, '35, Arthur Jaeger, '36, and G. Broughton, '37.

Dr. Arthur D. Little of the class of 1896 is scheduled to be the main speaker of the Society's next meeting.

STUDENTS TO GET MORE HELP IN MATHEMATICS

(Continued from Page 1)

available free of charge to those undergraduates who at any time feel that they need additional help.

The instruction will consist of informal conferences, designed to supplement the regular conference hours of mathematics instructors, or to take

their place if the student is unable to attend because of conflicts. Individual instruction will be given, except that small groups may be taken together if the number of students warrants it. Professor Zeldin has a wide range of conference hours, and those who are having difficulty with mathematics are urged to consult him as soon as possible.

This is an experiment being tried by the Mathematics Department this year for the first time. Previously students who needed extra help had to go outside the Institute to obtain it. The new instruction will continue for the rest of the year, and will be additional to and entirely independent of the tutorial work arranged for freshmen who have failures at the five or ten week periods.

Silverware from the Stanford University dining room continues to disappear, although police periodically comb fraternities for the missing articles. Some of the tableware has been discovered in the dining hall of a New England college and some in China.—Lehigh Brown and White.

SENIORS SIGNUP FOR TECHNIQUE PICTURES

Placement Service and Other Departments Use Prints

Signups for *Technique* Senior pictures will be held in the main lobby of the Institute October 8-11, from nine to two. Seniors are urged to take special care to make an appointment and get their pictures in the *Technique*.

The Placement Bureau uses these pictures for its records, and judicious Seniors will realize the advantages of cooperating with this department and having their pictures incorporated in its records.

The library, Dean's office, alumni office, and records office also use these pictures in their files and use them constantly in cooperating with graduates and keeping alumni closed to Institute life.

Letters have been sent to individual Seniors, putting forward these advantages, and asking them to make appointments as soon as possible.

Undergraduate Notes

Freshmen crew managers are needed at the boat-house. Come out now and get an early start on an interesting job. For details see J. P. Hayes at the M. I. T. A. A. in Walker Memorial on any week day night between 5:00 and 5:30 P. M.

SOPHOMORES WILL HAVE MEETING ON WEDNESDAY

Sophomores will hold a Field Day mass meeting next Wednesday at five o'clock. Motion pictures will be shown and a number of speakers will be heard. The coaches of the Field Day teams have been invited to speak, and it is planned to have motion pictures of previous Field Days, if any are available.

There's not a player on the Fordyce high school football team who would not "dye" for dear old Fordyce. Every player on the squad, even to the water boy, has dyed his hair a flaming red in a wave of school ardor to be distinctive and live up to the name of the athletic teams—"The Red Bugs."—Stanford Daily.

Some co-ed is going to get all her baths free at Marshall College this year, because the home nursing department needs some girl to be practiced on by student nurses, who must learn to give patients baths while they are in bed.—Oregon Emerald.

Men at the University of Melbourne, Australia, have started knitting as a protest against the co-eds who have adopted football as one of their major sports.—The Oklahoma Daily.

We have been appraised of the fact that University of Wisconsin women will race the co-eds from the University of Minnesota in an altogether novel intercollegiate sport: milking cows.—The Oredigger.

OFFICERS ELECTED AT N. S. L. MEETING

Constitutional Amendments Now Permit Faculty Membership

Starting a new year's activities with the election of officers, the National Student League met Wednesday and elected Harold Farr, '35, President. Robert Kenngott, '34, was made Membership Secretary.

Several amendments to the League's constitution were made, most important of which was the provision to allow members of the faculty to join the N. S. L.

New Projects Proposed

Robert Kenngott spoke on the history of the organization and its future plans and program. Among the projects which, he said, the League would undertake was an anti-war campaign, whose object will be to eliminate compulsory R. O. T. C., a campaign against Fascism and a campaign to better the condition of students at Technology. Included in the last will be an attempt to lower tuition to bring about the lowering of prices of chemicals and apparatus and the lowering of prices in Walker Dining Hall.

A general discussion followed Mr. Kenngott's talk.

EPIGRAMS

What 20,000,000 women want: good clothes, cigarettes and culture.—Mrs. Anna Steese Richardson.

The course of science is smoother than that of true love.—Sir James Jeans.

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